



General Bid Bulletin No. 32
16 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 Clarification Requests (Batch 19)

For your information and guidance.

For the Bids and Awards Committee VI,

SGD.
WEBSTER M. LAUREÑANA
Chairperson

CP S04-07 Responses to Clarification Requests (Batch 19)

Package	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	VOL 2 Civil Works ADDENDUM 2			NSRP-DWG-BIN-ST-4533_[21.2] NSRP-DWG-(SPO, PTA, SRO, BAN, CAB, CAL)-ST-4533_[21.2]	SECTION 2 Pedestal Reinforcement Detail	Please clarify about the detail of pedestal's inner reinforcing steel bar extended to the footing had insufficient embedment length. Please clarify also the corresponding BOQ.	1) Reinforcing steel bars of pedestal are extended to its footing sufficiently. Please refer to the following drawing nos.: NSRP-DWG-BIN-ST-4533 Rev 21.3 NSRP-DWG-BAN-ST-4533 NSRP-DWG-SPO-ST-4533 NSRP-DWG-PTA-ST-4533 NSRP-DWG-SRO-ST-4533 \ NSRP-DWG-CAL-ST-4533 NSRP-DWG-CAB-ST-4533 2) Please refer to the updated BOQ, Item No. 403(1). Updated BOQ issued as Addendum 6.
S-05	ADDENDUM 2			BILL OF QUANTITIES No. 4 (All Station: SPO, SRO BIN, PTA, CAB, BAN,CAL)	SUMMARY OF BILL No. 4 STATIONS for Bill No. 4-1 through BILL No. 4-4	The building floor area and height of the Station should be indicated in the summary of Bill	The Bidder is advised to refer to the respective Station Drawings for the respective floor area, height and other significant Details.
S-05				BILL OF QUANTITIES No. 4 Bill No.4-1 SAN PEDRO STATION	Split Type Air Conditioning Units	Please provide the Details of steel hanger and support frame for ceiling-mounted and wall mounted AC Units. Please provide pad foundation for floor mounted AC units	The details of the steel hanger and support frame for ceiling-mounted and wall-mounted AC Units were already included in the bidding drawings. Please refer to NSRP-DWG-STA-ME-6011 rev 21.3
S-05	Volume 1 Part 1 Bidding Procedure Section 4 Bidding Forms and Volume 2 Part II Requirements Sect 6 Employers Requirement 1B Gen Spec			Programming Proposal - Construction Schedule, Item 4 DSDRP and GS 110.3, Design Submittal and Design Review Program (DSDRP) and General Bid Bulletin GBB	GBB 20, page 1, "Contractor will be responsible for design of, but not limited to, temporary works and builders wrk in connection with services and any other design as specified in Bid Doc"). - Elevator and Escalator: TS 557 and 558. Design,..... of Elevators and Escalator. - Cable tray: GBB 16, p 16 & 25, "Cable tray sys shall withstand earthquake (seismic req'ts). Supports and other fasteners shall be as per manufacturer's recommendation, vendor to validate." - Bearing Type 1 and 2: GBB 14 p 17 & 28 and GBB 16 p 85 & 88 , "No details has been provided in the drwgs for Type 1 bearings since the Contractor will design the bearings as per Note #3 in NSRP-DWG-VIA00-ST 0781 Rev 21.1. All Bearings shall be designed by Contractor as per the req'ts of AASHTO LRFD 2016 " NSRP-DWG-BC02-ST-3051; and (BC03-ST-4050; BC07-ST-8050), all Rev 21.2 - Bird Wire Detail: GBB 18 p 336 & 37, "Bird wire detail to be provided by contractor"	The list of permanent structural and equipmnt elements, were recommended for design under DSDRP, Program Proposal – Construction Schedule - Elevator and Escalator - Cable Tray - Bearing Type 1 and 2 - Bird Wire Screen Contractor will assist in the design of permanent element. However, Contractor will not assumed the full responsibility of the design work. The SCR contract is under the build and construct scheme. The Employer will be the responsible party for design. Request for your clarification.	Please refer to the drawing nos.: NSRP-DWG-SS00-AR-3005 Rev 21.3, NSRP-DWG-SS00-AR-3009 Rev 21.3, NSRP-DWG-SS00-AR-3015 Rev 21.2, NSRP-DWG-SS00-AR-3024 Rev 21.3, NSRP-DWG-SS00-AR-3027 Rev 21.3, NSRP-DWG-SS00-AR-3030 Rev 21.3.

CP S04-07 Responses to Clarification Requests (Batch 19)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	Volume II Sect 6 Technical Specification			TS 206.7.6 Tests for Modulus of Elasticity, and Creep and Shrinkage Coefficient	206.7.6.1 Modulus of Elasticity Tests Tests shall be performed in accordance with the requirements of ASTM C 469M. 206.7.6.2 Creep and Shrinkage Tests Tests shall be performed in accordance with requirements of ASTM C 512M. Ages of s.....	1. Kindly clarify and provide the specific structural member and location, number and frequency of test for Modulus of Elasticity, Creep and Shrinkage. 2. There was no available local laboratory test for Modulus of elasticity, Creep and Shrinkage Test. These test will be performed by authorized overseas laboratory test. Please clarify if the Employer's QC Manager Representative would witnessed the test performed outside the country.	1. Please refer to TS 206.1. - Structural Members - The work may include elements of structures constructed by cast-in-place and precast methods using either plain (unreinforced), reinforced, or prestressed concrete or any combination thereof. - Location – limit it to mix designs for grades 40 & 50 MPa only - Number – 3 number per mix design per batching plant - Frequency – Tests to be carried out every 6 months to verify the properties of the hardened concrete. 2. If the test will be performed outside the country and required to witness the test, then the Employer's QC Manager Representative will join the test with costs beared by the Bidder.
S-05	Volume 2_01 Specification					Please provide TS 418 for the item Soil Cement	Bidder is refered to TS 418 for soil cement issued under Addendum 6.
S-05				Bill of Quantities - SP 05 (Bill 6-1 to 6-5) and SP 06 (Bill 6-1 to 6-5)		Please provide Revised Plans, Door Schedule and Details for pay items S526(1), S526(2), S526(3), S526(4) for Substations 10-18	Please refer to the drawings below for the revised plans, door schedules and details. NSRP-DWG-SS00-AR-3005 rev 21.3 NSRP-DWG-SS00-AR-3009 rev 21.3 NSRP-DWG-SS00-AR-3015 rev 21.2 NSRP-DWG-SS00-AR-3024 rev 21.3 NSRP-DWG-SS00-AR-3027 rev 21.3 NSRP-DWG-SS00-AR-3030 rev 21.3
S-05				Bill of Quantities - SP 05 (Bill 6-1 to 6-5) and SP 06 (Bill 6-1 to 6-5)		Please provide Revised Plans, Door Schedule and Details for pay items S528(1)a and S528(1)b for Substations 10-18	Please refer to the drawings below for the revised plans, door schedules and details. NSRP-DWG-SS00-AR-3005 rev 21.3 NSRP-DWG-SS00-AR-3009 rev 21.3 NSRP-DWG-SS00-AR-3015 rev 21.2 NSRP-DWG-SS00-AR-3024 rev 21.3 NSRP-DWG-SS00-AR-3027 rev 21.3 NSRP-DWG-SS00-AR-3030 rev 21.3
S-05				Bill of Quantities - SP 05 (Bill 6-1 to 6-5) and SP 06 (Bill 6-1 to 6-5)		Please confirm if Vinyl Baseboard (S538(2)) in substations is same item as B1: H=100m, High Vinyl Baseboard strip in Main Stations	Yes. Vinyl Baseboard in substations is same item as B1: H=100m, High Vinyl Baseboard strip in Main Stations
S-05				Bill of Quantities - SP 05 (Bill 6-1 to 6-5) and SP 06 (Bill 6-1 to 6-5)		Please provide locations of CHB Wall, Non-Load Bearing, (incl. Reinforcing Steel); t=200mm and CHB Wall, Non-Load Bearing, (incl. Reinforcing Steel); t=150mm for Substations 10-18	The Bidder is advised to refer to the latest drawing NSRP-DWG-SS11-ST-4306 Rev 21.3 issued under Addendum No.5.
S-05				Bill of Quantities - SP 05 (Bill 6-1 to 6-5) and SP 06 (Bill 6-1 to 6-5)		Please provide Schedule of Wall Finish for pay item S548(2) for Substations 10- 18	Pay item 554(20) Aluminum Shelves for substation 10 to 18 please refer to drawing NSRP-DWG-SS00-AR-3202, rev. 21.3

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S-05				Bill of Quantities - SP 05 (Bill 6-1 to 6-5) and SP 06 (Bill 6-1 to 6-5)		Please provide Details and Specifications for Aluminum Shelves - 554(20) for Substations 10-18	<p>1) Reinforcing steel bars of pedestal are extended to its footing sufficiently. Please refer to the following drawing nos.: NSRP-DWG-BIN-ST-4533 Rev 21.3, NSRP-DWG-BAN-ST-4533 NSRP-DWG-SPO-ST-4533 NSRP-DWG-PTA-ST-4533 NSRP-DWG-SRO-ST-4533 \ NSRP-DWG-CAL-ST-4533 NSRP-DWG-CAB-ST-4533</p> <p>2) Please refer to the updated BOQ, Item No. 403(1). Updated BOQ issued as Addendum 6.</p>
S-05				Bill of Quantities - SP 05 (Bill 6-1 to 6-5) and SP 06 (Bill 6-1 to 6-5)		Please provide Details for Cyclone Fencing and Cyclone gate for Substation 10-18 under miscellaneous works	The Bidder is advised to refer to the respective Station Drawings for the respective floor area, height and other significant Details.
S-05	Volume 2_03 Book 2 (Architectural) General Drawings			NSRP-DWG-STA-AR-3522	Vol.1A Sec.4A BOQ Bill no. 4-1 to 4-4 Item No. 535(2)	Please clarify the thickness of Acrylic Glass Safety Ceiling Deflector if t=5mm as per BOQ or t=20mm as per indicated in drawings	Pay item 435(2) Acrylic Safety Ceiling Deflector thickness has been revised to 20mm in Addendum 6.
S-05	Volume 2_03 Book 2 (Architectural)			NSRP-DWG-SPO/SRO-3033 to 3034 NSRP-DWG-SPO-AR-3517 NSRP-DWG-SRO-AR-3518		Please confirm what finish will govern, the schedule of finishes or the finish indicated in detailed drawings. Please clarify the conflict of finish in PSD Room.	For PSD Room floor finish please follow FF2 -Self Levelling Epoxy paint with hardener. Please refer to Drawing number NSRP-DWG-SPO-AR-3520 rev. 21.3
S-05				Bill of Quantities Bill no 2(PART A – PART D)		Please provide specific Temporary Stock Pile Area and Disposal Area (Clients Recommendation)	Temporary stock pile disposal area shall be proposed by the Contractor subject for approval by the Engineer.
S-05	Vol. 1A			Bill of Quantities – SP 05 (Bill 6-2) 405(18) D=0.6m, Soil Cement Column		Kindly verify the number of soil cement columns and dimension of MF3A in pay item 405(18) as it has different dimensions from MF3.	The Bidder is advised that the Soil Cement Column is Not Applicable to CP S-06.
S-05	Vol. 1A			Bill of Quantities – SP 05 (Bill 6-2) 405(18) D=0.6m, Soil Cement Column		Please provide Soil Cement Columns Layout, for pay item 405(18).	The Bidder is advised that the Soil Cement Column is Not Applicable to CP S-06.
S-06	VOL 2 Civil Works ADDENDUM 2			NSRP-DWG-BIN-ST-4533_[21.2] NSRP-DWG-(SPO, PTA, SRO, BAN, CAB, CAL)-ST-4533_[21.2]	SECTION 2 Pedestal Reinforcement Detail	Please clarify about the detail of pedestal's inner reinforcing steel bar extended to the footing had insufficient embedment length. Please clarify also the corresponding BOQ.	<p>1) Reinforcing steel bars of pedestal are extended to its footing sufficiently. Please refer to the following drawing nos.: NSRP-DWG-BIN-ST-4533 Rev 21.3 NSRP-DWG-BAN-ST-4533 NSRP-DWG-SPO-ST-4533 NSRP-DWG-PTA-ST-4533 NSRP-DWG-SRO-ST-4533 \ NSRP-DWG-CAL-ST-4533 NSRP-DWG-CAB-ST-4533</p> <p>2) Please refer to the updated BOQ, Item No. 403(1). Updated BOQ issued as Addendum 6.</p>

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S-06	ADDENDUM 2			BILL OF QUANTITIES No. 4 (All Station: SPO, SRO BIN, PTA, CAB, BAN,CAL)	SUMMARY OF BILL No. 4 STATIONS for Bill No. 4-1 through BILL No. 4-4	The building floor area and height of the Station should be indicated in the summary of Bill	<i>Pay Item No. 510(1) is referring to the Modular Cabinet made-up of High Impact Laminate Sheet. Please refer to the Technical Specifications, TS 500, Section 510.</i>
S-06				NSRP-DWG-ATG-ST-6203 and NSRP-DWG-ATG-ST-6300		The slab interface joint detail was shown SECT J/6300 - BASE SLAB SHOWING DIFFERENT ELEVATIONS. of NSRP-DWG-ATG-ST-6203. Please clarify if dowel bar and sealant is required in these slab interface joint connection.	<i>Yes, please refer to the typical joint detail shown in NSRP-DWG-ATG-ST-7000 and 7001 Rev 21.</i>
S-06				NSRP-DWG-ATG-ST-6403	VIA06 ABUTMENT DETAIL SECTION 1	Please provide the interface detail of the Wingwall to adjacent Retaining wall.	<i>Please refer to the typical joint detail shown in NSRP-DWG-ATG-ST-7000 and 7001 Rev 21.</i>
S-06	Volume II Sect 6 Technical Specification			TS 206.7.6 Tests for Modulus of Elasticity, and Creep and Shrinkage Coefficient	206.7.6.1 Modulus of Elasticity Tests Tests shall be performed in accordance with the requirements of ASTM C 469M. 206.7.6.2 Creep and Shrinkage Tests Tests shall be performed in accordance with requirements of ASTM C 512M. Ages of s.....	1. Kindly clarify and provide the specific structural member and location, number and frequency of test for Modulus of Elasticity, Creep and Shrinkage. 2. There was no available local laboratory test for Modulus of elasticity, Creep and Shrinkage Test. These test will be performed by authorized overseas laboratory test. Please clarify if the Employer's QC Manager Representative would witnessed the test performed outside the country.	<i>1. Please refer to TS 206.1. - Structural Members - The work may include elements of structures constructed by cast-in-place and precast methods using either plain (unreinforced), reinforced, or prestressed concrete or any combination thereof. - Location – limit it to mix designs for grades 40 & 50 MPa only - Number – 3 number per mix design per batching plant - Frequency – Tests to be carried out every 6 months to verify the properties of the hardened concrete. 2. If the test will be performed outside the country and required to witness the test, then the Employer's QC Manager Representative will join the test with costs beared by the Bidder.</i>
S-06	Volume 2 & 02_Book 1 (Civil) 04_CP S 06_BR215 & Bid Bulletin 21			NSRP-DWG-BR215-ST-0031 & NSRP-DWG-BR215-ST-0242	In GBB 21, p 56: The Employer's response - "Please note this is Contractor's responsibility to check the structural integrity of any permanent structure for their temporary use", to Bidder's query - "Please advise about max allowable horizontal load on pier P1190?"	The SCRIP is a Built and Construct Scheme. To chek the structural integrity of any permanent structure is not the responsibility of the Bidder. To check the Integrity of the Structure is under the responsibiity of the Design Company Authorized by Employer. As part of coordination process, the bidder is requesting for the horizonatal load on the pier, for use in the design of temporary works for the safety installation arch bridge as well as the protection of the bridge structures. Please clarify.	<i>Max allowable horizontal load on pier P-1190 is 2000 kN.</i>
S-06	CP S- 06_02_Structural _SS_15-18			NSRP-DWG-SS15-ST-4001, SS-16-ST-4001, SS17-ST-4001,SS18-ST-4001		Expansion Joints (Elastic Tight Joints) located at Plans for Substation 15 to Substation 18. Please confirm under what pay item?	<i>Please refer to Bill 6-1, 6-2, 6-3, 6-4, 6-5 Pay item 405(17) 50mm Expansion joint Cover/Filler issued addendum 6.</i>

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S-06	Volume 2_01 Specification					Please provide TS 418 for the item Soil Cement	Soil cement column shall not be applied in CPS-06.
S-06	Volume 2_03 Book 2 (Architectural)			NSRP-DW- BIN/PTA/SPO/SRO-3403 to 3404	Vol.1A Sec.4A BOQ Bill no. 4-1 to 4-4 Item No. 510(1)	Please clarify if High Impact Laminate Sheet is for covering the surface of Modular Cabinet. Or kindly clarify if pay item 510(1) is referring only the High Impact Laminate Sheet or the Modular Cabinet made-up of High Impact Laminate Sheet?	Pay item 510(1) is referring to the Modular Cabinet made- up of High Impact Laminate Sheet
S-06				Bill of Quantities - SP 05 (Bill 6-1 to 6-5) and SP 06 (Bill 6-1 to 6-5)		Please provide Revised Plans, Door Schedule and Details for pay items S526(1), S526(2), S526(3), S526(4) for Substations 10-18	Please refer to the drawings below for the revised plans, door schedules and details. NSRP-DWG-SS00-AR-3005 rev 21.3 NSRP-DWG-SS00-AR-3009 rev 21.3 NSRP-DWG-SS00-AR-3015 rev 21.2 NSRP-DWG-SS00-AR-3024 rev 21.3 NSRP-DWG-SS00-AR-3027 rev 21.3 NSRP-DWG-SS00-AR-3030 rev 21.3
S-06				Bill of Quantities - SP 05 (Bill 6-1 to 6-5) and SP 06 (Bill 6-1 to 6-5)		Please provide Revised Plans, Door Schedule and Details for pay items S528(1)a and S528(1)b for Substations 10-18	Please refer to the drawings below for the revised plans, door schedules and details. NSRP-DWG-SS00-AR-3005 rev 21.3 NSRP-DWG-SS00-AR-3009 rev 21.3 NSRP-DWG-SS00-AR-3015 rev 21.2 NSRP-DWG-SS00-AR-3024 rev 21.3 NSRP-DWG-SS00-AR-3027 rev 21.3 NSRP-DWG-SS00-AR-3030 rev 21.3
S-06				Bill of Quantities - SP 05 (Bill 6-1 to 6-5) and SP 06 (Bill 6-1 to 6-5)		Please provide Details for pay item S548(1) for Substations 10-18	For the details of Item S548(1) - Please refer to drawing nos.: NSRP-DWG-SS00-AR-3005, Rev. 21.3 and NSRP- DWG-SS00-AR-3202, Rev. 21.3.
S-06				Bill of Quantities - SP 05 (Bill 6-1 to 6-5) and SP 06 (Bill 6-1 to 6-5)		Please confirm if Vinyl Baseboard (S538(2)) in substations is same item as B1: H=100m, High Vinyl Baseboard strip in Main Stations	Yes. Vinyl Baseboard in substations is same item as B1: H=100m, High Vinyl Baseboard strip in Main Stations

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S-06				Bill of Quantities - SP 05 (Bill 6-1 to 6-5) and SP 06 (Bill 6-1 to 6-5)		Please provide Schedule of Wall Finish for pay item S548(2) for Substations 10-18	<i>Pay item 554(20) Aluminum Shelves for substation 10 to 18 please refer to drawing NSRP-DWG-SS00-AR-3202, rev. 21.3</i>
S-06	Volume 2_03 Book 2 (Architectural) General Drawings			NSRP-DWG-STA-AR-3522	Vol.1A Sec.4A BOQ Bill no. 4-1 to 4-4 Item No. 535(2)	Please clarify the thickness of Acrylic Glass Safety Ceiling Deflector if t=5mm as per BOQ or t=20mm as per indicated in drawings	<i>Pay item 435(2) Acrylic Safety Ceiling Deflector thickness has been revised to 20mm in Addendum 6.</i>
S-06	Volume 2_03 Book 2 (Architectural)			NSRP-DWG-SPO/SRO-3033 to 3034 NSRP-DWG-SPO-AR-3517 NSRP-DWG-SRO-AR-3518		Please confirm what finish will govern, the schedule of finishes or the finish indicated in detailed drawings. Please clarify the conflict of finish in PSD Room.	<i>For PSD Room floor finish please follow FF2 -Self Levelling Epoxy paint with hardener. Please refer to Drawing number NSRP-DWG-SPO-AR-3520 rev. 21.3</i>
S-06				Bill of Quantities Bill no 2(PART A – PART D)		Please provide specific Temporary Stock Pile Area and Disposal Area (Clients Recommendation)	<i>Temporary stock pile disposal area shall be proposed by the Contractor subject for approval by the Engineer.</i>
S-06	Vol. 1A Sec 4A BOQ			Bill of Quantities – SP 05 (Bill 6-2) 405(18) D=0.6m, Soil Cement Column		Please provide specification including Minimum Target Strength and Design Strength, for pay item 405(18) Soil Cement Column.	<i>Soil cement column shall not be applied in CPS-06.</i>
S-06	Vol. 1A Sec 4A BOQ			Bill of Quantities – SP 05 (Bill 6-2) 405(18) D=0.6m, Soil Cement Column Foundation		Please provide Soil conditions with complete borehole data (especially including grain size distribution of layers to be treated), for pay item 405(18) Soil Cement Column.	<i>The Bidder is advised that the Soil Cement Column is Not Applicable to CP S-06.</i>
S-06	Vol. 1A			Bill of Quantities – SP 05 (Bill 6-2) 405(18) D=0.6m, Soil Cement Column		Kindly verify the number of soil cement columns and dimension of MF3A in pay item 405(18) as it has different dimensions from MF3.	<i>The Bidder is advised that the Soil Cement Column is Not Applicable to CP S-06.</i>
S-06	Vol. 1A			Bill of Quantities – SP 05 (Bill 6-2) 405(18) D=0.6m, Soil Cement Column		Please provide Soil Cement Columns Layout, for pay item 405(18).	<i>The Bidder is advised that the Soil Cement Column is Not Applicable to CP S-06.</i>
S-04	Volume 1A	Section 4A Bidding Forms - Bill of Quantities (BoQ)		4	536(9) Nonporous Homogenous Solid Surface Countertop for BRR	Please provide the location and details of Homogenous Solid Surface Countertop for BRR	<i>For BFR detail please refer to Drawin numbers NSRP-DWG-ALA-AR-3534 Rev. 21 and NSRP-DWG-MUN-AR-3428 Rev. 21.1</i>
S-04	Volume 1A	Section 4A Bidding Forms - Bill of Quantities (BoQ)		4	510(1) High Impact Laminate Sheet Modular Cabinet	Please provide the location and details of High Impact Laminate Sheet Modular Cabinet	<i>Please see Drawing numbers NSRP-DWG-ALA-AR-3621, Rev. 21.2, NSRP-DWG-ALA-AR-3622, NSRP-DWG-ALA-AR-3623 Rev. 21.1 and NSRP-DWG-MUN-AR-3621 Rev. 21.3, NSRP-DWG-MUN-AR-3622 and NSRP-DWG-MUN-AR-3623 Rev. 21</i>
S-04	Volume 2	Section 9 Contract Forms (COF)		Architectural Drawings	Platform Screen Door (PSD)	Please confirm our understanding that Platform Screen Door (PSD) shown on various Architectural drawings is not part of bidders' scope of work.	<i>PSD gate is not part of scope of work</i>
S-04	Volume 1A	Section 4A Bidding Forms - Bill of Quantities (BoQ)			Bill No. 4-1, 4-2	506(6) - B8; W=200mm Stainless Steel Thresholds 506(24) - H=500mm, Stainless Steel Baseboard for Elevator Wall	<i>The Bidder is advised to clarify the subject of their query.</i>

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S-04					1. NGCP Power High Tower and Power Line. 2. Manila water underground. 3. Meralco Electric pole and Meralco Electric line 4. ETPI Telephone Underground	There are 4 type of utilities on site. They will be diversified before commencement date or designated date. The bidder hopes to know new positions and new the location of line if it will be inner ROW. Please, provide new position and location for 4 types of Utilities as well as what type of new one is? underground embedded or hanggin in the sky?	<i>These 4 utilities will be relocated outside ROW.</i>														
S-04.					Rebar Coupler at Pier Work	The Client provided updated BOQ at Addendum 3. A new item that is Rebar Coupler is added at SUB-STRUCTURAL WORK (PIER WORK). However, rebar couplers shall be used at the rebar cage of Bored pile according to the drawing of Viaduct. Please, provide the item of rebar coupler for bored piles to BOQ.	<i>Please refer to the Addendum 4 BOQ, Bill No. 3, Item 205(7)a. Further BOQ issued as Addendum 6.</i>														
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S-04.	1.3b CP S-04 Vol.1A Sec.4A BOQ_Add.3_202 10331 Rev1		No. 5	Part A. Earthwork	Canal excavation including Slope protection	Bidder needs detail drawing with location in order to quote. Please, provide the chainage of canal for slope protection.	<i>Please refer to the drawing VIA06-At Grade Mainline Drainage.</i>														
S-04.	1.3b CP S-04 Vol.1A Sec.4A BOQ_Add.3_202 10331 Rev1		No. 3 & 4	Bored Pile (1500mmØ), (in dry conditions)		The length of all Bored Piles (1500mmØ), (in dry conditions) was increased at Addendum 4. Please, clarify that it is related with test piles.	<i>The Bidder is advised that the BOQ quantities / lengths of Bored Piles are calculated based from the design requirements and as per the drawings. Further, the Bidder is advised that the revised/updated BOQ included work items for the sacrificial test piles. Updated/revised BOQ issued as Addendum 6.</i>														
S-04.	1.3b CP S-04 Vol.1A Sec.4A BOQ_Add.3_202 10331 Rev1		No. 5	Part A. Earthwork	Embankment for Existing Canal (Selected Borrow Material)	Existing canal will be decommissioned according to drawings from the Employer. The bidder need to clarify this item of BOQ. Please, clarify that it is to make a target level after decommissioning. If not, please, provide bidders detail drawing or the explanation.	<i>The Bidder is advised that some existing canals shall be decommissioned because they will be obstructed by the pile caps, hence, such canals will not be functional. New drainage structures shall be constructed and other drainage lines shall be realigned. For related BOQ work items, Please refer to the Addendum 6 BOQ, Bill No. 2 and Bill No. 5. No separate pay item for Decommissioning. Further, for drainage references (Plans, Schedules & Details) - Please refer to the Addendum 3, S-04, Volume 2, 02_Book 1 (Civil); B2-Mainline Drainage & B1-Drainage Details.</i>														

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S-04.	1.3b CP S-04 Vol.1A Sec.4A BOQ_Add.3_202 10331 Rev1		No. 2	Part A. Earthworks	Surplus Common Excavation	The bidder doesn't understand this item. The specification for this item can be found at Technical Specification. 1. Please, clarify this item or give detail explanation and drawing. 2. Please, provide why it isn't be conducted at S-05 and S-06.	1) Surplus Common Excavations are "Excess Excavated Materials which should be disposed of". Please refer to the Technical Specifications, TS 100, Section 102, Sub-section 102.2; Clause 102.2.3, Paragraph 4. 2) There are no excess excavated materials at CP S-05 & CP S-06, hence, no work item for Surplus Common excavation. (Excavated materials at CP S-05 & CP S-06 shall be fully- utilized as Embankments).														
S-05	Volume 3 Section 7-8 Conditions of Contract		PCC 2 & Key Date Table	No. of Days from Commencement	1.1.3.3 For the whole of the Works, the time for completion shall be one thousand four hundred and sixty (1,460) calendar days from the Commencement Date. vs KD 08 : Completion of Whole Works. (Overall Completion Date) Taking Over Certificate issued under Clause 10.1 of the GCC : 1,734 days	There is discrepancy between PCC 1.1.3.3 and Key Date Table. Please clarify that the No. of Days from Commencement.	Bidder to refer to the revised Key Dates. Whole of the Works shall be completed by 1,734 days.														
S-05	CPS05 Site Access Delivery Schedule		All		1. NGCP Power High Tower and Power Line. 2. Manila water underground. 3. Meralco Electric pole and Meralco Electric line 4. ETPI Telephone Underground	There are 4 type of utilities on site. They will be diversified before commencement date or designated date. The bidder hopes to know new positions and new the location of line if it will be inner ROW. Please, provide new position and location for 4 types of Utilities as well as what type of new one is? underground embedded or hanggin in the sky?	These 4 utilities will be relocated outside ROW.														
S-05	1.3b CP S-05 Vol.1A Sec.4A BOQ_Add.3_202 10331 Rev1		No. 3 & 4	Part B.1 SUB-STRUCTURAL WORK (FOUNDATION WORK)	Rebar Coupler at Pier Work	The Client provided updated BOQ at Addendum 3. A new item that is Rebar Coupler is added at SUB-STRUCTURAL WORK (PIER WORK). However, rebar couplers shall be used at the rebar cage of Bored pile according to the drawing of Viaduct. Please, provide the item of rebar coupler for bored piles to BOQ.	Please refer to the Addendum 4 BOQ, Bill No. 3, Item 205(7)a. Further BOQ update shall be issued as Addendum 6.														
S-05	NSRP-DWG- VIA06-ST- 0106[20.0]&[20. 1] NSRP-DWG- VIA04-ST- 0104[20.1]&[21. 3]				<table border="1"> <thead> <tr> <th>Drawing No.</th> <th>Pile length</th> </tr> </thead> <tbody> <tr> <td>P-1259 at NSRP-DWG-VIA06-ST-0106 [21.0]</td> <td>32.5</td> </tr> <tr> <td>P-1259 at NSRP-DWG-VIA06-ST-0106 [21.1]</td> <td>33.5</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <th>Drawing No.</th> <th>Pile length</th> </tr> <tr> <td>P-537 at NSRP-DWG-VIA04-ST-0104 [21.0]</td> <td>28.5</td> </tr> <tr> <td>P-537 at NSRP-DWG-VIA04-ST-0104 [21.3]</td> <td>30</td> </tr> </tbody> </table>	Drawing No.	Pile length	P-1259 at NSRP-DWG-VIA06-ST-0106 [21.0]	32.5	P-1259 at NSRP-DWG-VIA06-ST-0106 [21.1]	33.5			Drawing No.	Pile length	P-537 at NSRP-DWG-VIA04-ST-0104 [21.0]	28.5	P-537 at NSRP-DWG-VIA04-ST-0104 [21.3]	30	The Employer has provided revised pile list only three times until now. That is NSRP-DWG-VIA06-ST-0106 [21.1], NSRP-DWG-VIA06-ST-0105 [21.2] and NSRP-DWG-VIA04-ST-0102 [21.3]. But bidder found revised figure for pile lengths that the employer didn't mention it with cloud marks. This means that the revised data wasn't provided to the bidder even though they was already revised. Therefore, the bidder would like to request an updated pile list until now. Please, provide an updated pile list for all piles.	For pier P-1259, as per Rev 21.1 drawings, there are no changes in the pile lengths. NSRP-DWG-VIA06-ST-0106 shows 32.5m on both Rev 21 and Rev 21.1 versions. No change is required on the drawing. For pier P-537, as per Rev 21.3 drawing, the pile length has been updated to 30m. The pile length shown in NSRP-DWG-VIA04-ST-0102 Rev 21.3 is acceptable. No change is required on the pier schedule. However, for drawing NSRP-DWG-VIA04-ST-0029, the pile length shown in the profile shall be revised from 28.5m to 30m. The revised pile length has been reflected on BoQ. Drawing will be amended in IFC drawings.
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S-05	1.3b CP S-05 Vol.1A Sec.4A BOQ_Add.3_202 10331 Rev1		No. 5	Part A. Earthwork	Canal excavation including Slope protection	Bidder needs detail drawing with location in order to quote. Please, provide the chainage of canal for slope protection.	<i>Please refer to the drawing VIA06-At Grade Mainline Drainage.</i>
S-05	1.3b CP S-05 Vol.1A Sec.4A BOQ_Add.3_202 10331 Rev1		No. 3 & 4	Bored Pile (1500mmØ), (in dry conditions)		The length of all Bored Piles (1500mmØ), (in dry conditions) was increased at Addendum 4. Please, clarify that it is related with test piles.	<i>The Bidder is advised that the BOQ quantities / lengths of Bored Piles are calculated based from the design requirements and as per the drawings. Further, the Bidder is advised that the revised/updated BOQ included work items for the sacrificial test piles. Updated/revised BOQ issued as Addendum 6.</i>
S-05	1.3b CP S-05 Vol.1A Sec.4A BOQ_Add.3_202 10331 Rev1		No. 5	Part A. Earthwork	Embankment for Existing Canal (Selected Borrow Material)	Existing canal will be decommissioned according to drawings from the Employer. The bidder need to clarify this item of BOQ. Please, clarify that it is to make a target level after decommissioning. If not, please, provide bidders detail drawing or the explanation.	<i>Bidder is advised that some existing canals shall be decommissioned because they will be obstructed by the pile caps, hence, such canals will not be functional. New drainage structures shall be constructed and other drainage lines shall be realigned. For related BOQ work items, Please refer to the Addendum 6 BOQ, Bill No. 2 and Bill No. 5. No separate pay item for Decommissioning. Further, for drainage references (Plans, Schedules & Details) - Please refer to the Addendum 3, S-04, Volume 2, 02_Book 1 (Civil); B2-Mainline Drainage & B1-Drainage Details.</i>
S-06	Volume 3 Section 7-8 Conditions of Contract			No. of Days from Commencement	1.1.3.3 For the whole of the Works, the time for completion shall be one thousand four hundred and sixty (1,460) calendar days from the Commencement Date. vs KD 08 : Completion of Whole Works. (Overall Completion Date) Taking Over Certificate issued under Clause 10.1 of the GCC : 1,552 days	There is discrepancy between PCC 1.1.3.3 and Key Date Table. Please clarify that the No. of Days from Commencement.	<i>Bidder to refer to the revised Key Dates. Whole of the Works shall be completed by 1,734days.</i>
S-06	1.3b CP S-06 Vol.1A Sec.4A BOQ_Add.3_202 10331 Rev1			Part B.1 SUB-STRUCTURAL WORK (FOUNDATION WORK)	Rebar Coupler at Pier Work	The Client provided updated BOQ at Addendum 3. A new item that is Rebar Coupler is added at SUB-STRUCTURAL WORK (PIER WORK). However, rebar couplers shall be used at the rebar cage of Bored pile according to the drawing of Viaduct. Please, provide the item of rebar coupler for bored piles to BOQ.	<i>Please refer to the Addendum 4 BOQ, Bill No. 3, Item 205(7)a. Further BOQ update issued as Addendum 6.</i>

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S-06	1.3b CP S-06 Vol.1A Sec.4A BOQ_Add.3_202 10331 Rev1			Part A. Earthwork	Canal excavation including Slope protection	Bidder needs detail drawing with location in order to quote. Please, provide the chainage of canal for slope protection.	<i>Please refer to the drawing VIA06-At Grade Mainline Drainage.</i>														
S-06	1.3b CP S-06 Vol.1A Sec.4A BOQ_Add.3_202 10331 Rev1			Bored Pile (1500mmØ), (in dry conditions)		The length of all Bored Piles (1500mmØ), (in dry conditions) was increased at Addendum 4. Please, clarify that it is related with test piles.	<i>The Bidder is advised that the BOQ quantities / lengths of Bored Piles are calculated based from the design requirements and as per the drawings. Further, the Bidder is advised that the revised/updated BOQ included work items for the sacrificial test piles. Updated/revised BOQ issued as Addendum 6.</i>														
S-04	(Addendum 4) Vol.3 Sec.8 PCC 18.2(d) & Vol.2 Sec.6 IB GS 130.2.2 c)			PCC5 & GS95	<p>Maximum amount of deductibles for insurance of the Employer's risks</p> <p>GCC 17.3(c) – Riot, Commodity and Disorder – 5% of Loss or USD 150,000 maximum per occurrence, whichever amount is greater</p> <p>GCC 17.3(g) – Employer's Design risks – 10% of Loss or USD 350,000 maximum per occurrence, whichever is greater</p> <p>GCC 17.3(h) – Natural Catastrophes – 10% of Loss or USD 350,000 maximum per occurrence, whichever amount is greater</p>	<p>The maximum amount of deductibles for Insurance of the Employer's risk is revised as mentioned on the Reference Text Column from Addendum 4.</p> <p>1) In this regard, kindly confirm that the case below is correct or not. - Due to Natural Catastrophes event, USD 5,000,000 of damage (loss) has been calculated. The amount of deductible shall be applied USD 500,000 (10% of loss) since this amount is greater than USD 350,000.</p> <p>2) If the upper interpretation is not correct and the deductible amount is limited upto USD 350,000 regardless of the total Damage (loss), please delete "Maximum" since the current insurance market is not available to accommodate that condition.</p>	<i>Bidder is referred to revised insurance deductibles Volume 3 Section 8 Clause 18.2 (d) in Addendum 4.</i>														
S-04	Technical Specification - 200 Bridges and Viaduct Annex - A 207.1.1		Page 23	Method of Measurement for Reinforcing Steel	Bid Bulletin No. 7 Bild Bulletin No. 26	<p>Regarding the subject, Client clarified as Bidder is advised that the quantities of lap splicing shown in the drawings are included in reinforcement steel of BOQ and the quantities of lap splicing stated in the drawings issued for contract will be paid by the Employer.</p> <p>However, according to response in Bid Bulletin No. 26 No allowance shall be made for cutting, waste, laps.</p> <p>Please confirm if allowance has been included already in BOQ.</p> <p>If not, in our understanding, lap splicing at least shall be measured and paid by Client accordingly.</p> <p>Please advise in this regard.</p>	<i>he Bidder is advised that the BOQ quantities for reinforcing steel are calculated as shown on the drawings and in the full lengths specified in the contract documents. Please refer to the Technical Specifications, TS 200, Section 207, Sub-Section 207.7; Clause 207.7.1. Please also refer to the TS 200_Annex A, Clause 207.1.1, Paragraph 7.</i>														

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S-05	(Addendum 4) Vol.3 Sec.8 PCC 18.2(d) & Vol.2 Sec.6 IB GS 130.2.2 c)		PCC5 & GS95	Maximum amount of deductibles for insurance of the Employer's risks	GCC 17.3(c) – Riot, Commodity 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 amount is greater	The maximum amount of deductibles for Insurance of the Employer's risk is revised as mentioned on the Reference Text Column from Addendum 4. 1) In this regard, kindly confirm that the case below is correct or not. - Due to Natural Catastrophes event, USD 5,000,000 of damage (loss) has been calculated. The amount of deductible shall be applied USD 500,000 (10% of loss) since this amount is greater than USD 350,000. 2) If the upper interpretation is not correct and the deductible amount is limited upto USD 350,000 regardless of the total Damage (loss), please delete "Maximum" since the current insurance market is not available to accommodate that condition.	<i>Bidder is referred to revised insurance deductibles Volume 3 Section 8 Clause 18.2 (d) in Addendum 4.</i>
S-05	Technical Specification - 200 Bridges and Viaduct Annex - A 207.1.1		Page 23	Method of Measurement for Reinforcing Steel	Bid Bulletin No. 7 Bild Bulletin No. 26	Regarding the subject, Client clarified as Bidder is advised that the quantities of lap splicing shown in the drawings are included in reinforcement steel of BOQ and the quantities of lap splicing stated in the drawings issued for contract will be paid by the Employer. However, according to response in Bid Bulletin No. 26 No allowance shall be made for cutting, waste, laps. Please confirm if allowance has been included already in BOQ. If not, in our understanding, lap splicing at least shall be measured and paid by Client accordingly. Please advise in this regard.	<i>The Bidder is advised that the BOQ quantities for reinforcing steel are calculated as shown on the drawings and in the full lengths specified in the contract documents. Please refer to the Technical Specifications, TS 200, Section 207, Sub-Section 207.7; Clause 207.7.1. Please also refer to the TS 200_Annex A, Clause 207.1.1, Paragraph 7.</i>
S-06	(Addendum 4) Vol.3 Sec.8 PCC 18.2(d) & Vol.2 Sec.6 IB GS 130.2.2 c)		PCC5 & GS95	Maximum amount of deductibles for insurance of the Employer's risks	GCC 17.3(c) – Riot, Commodity 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 amount is greater	The maximum amount of deductibles for Insurance of the Employer's risk is revised as mentioned on the Reference Text Column from Addendum 4. 1) In this regard, kindly confirm that the case below is correct or not. - Due to Natural Catastrophes event, USD 5,000,000 of damage (loss) has been calculated. The amount of deductible shall be applied USD 500,000 (10% of loss) since this amount is greater than USD 350,000. 2) If the upper interpretation is not correct and the deductible amount is limited upto USD 350,000 regardless of the total Damage (loss), please delete "Maximum" since the current insurance market is not available to accommodate that condition.	<i>Bidder is referred to revised insurance deductibles Volume 3 Section 8 Clause 18.2 (d) in Addendum 4.</i>
S-06	Technical Specification - 200 Bridges and Viaduct Annex - A 207.1.1		Page 23	Method of Measurement for Reinforcing Steel	Bid Bulletin No. 7 Bild Bulletin No. 26	Regarding the subject, Client clarified as Bidder is advised that the quantities of lap splicing shown in the drawings are included in reinforcement steel of BOQ and the quantities of lap splicing stated in the drawings issued for contract will be paid by the Employer. However, according to response in Bid Bulletin No. 26 No allowance shall be made for cutting, waste, laps. Please confirm if allowance has been included already in BOQ. If not, in our understanding, lap splicing at least shall be measured and paid by Client accordingly. Please advise in this regard.	<i>The Bidder is advised that the BOQ quantities for reinforcing steel are calculated as shown on the drawings and in the full lengths specified in the contract documents. Please refer to the Technical Specifications, TS 200, Section 207, Sub-Section 207.7; Clause 207.7.1. Please also refer to the TS 200_Annex A, Clause 207.1.1, Paragraph 7.</i>
S-06	Addendum 3 Vol. 1 BOQ No.2			102(1)a & 102(2)a		As per the Addendum No.3, excavation quantity indicated in the "102(1)a Unsuitable Excavation at dry condition" and "102(2)a Common Excavation(Maintenance Road)" are deleted. However, considering the current existing ground level described in the drawings, there must be some area where the excavation work is required. Please be requested to explain the gap between the BOQ quantity and the drawings.	<i>The Bidder is advised that the work item 102(1)a is Not Applicable to CP S-06. Further, the excavations for roads as reflected/described on the drawings - are covered by Work item No. 103(1)b - Embankment (Using Common Excavation Soil).</i>

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S-06	Addendum 3 Vol. 1 BOQ No.2			103(1)a &103(1)b		<p>Please advise the location where the selected borrow materials are required.</p> <p>Please advise the difference between "103(1)a Embankment (Selected Borrow Materials)" and "103(1)b Embankment (Using Common Excavation Soil)"</p>	<p>1. The location for borrow materials shall be identified by the contractor. Borrow Materials and Common Excavation Soil are the same in terms of usability as backfill material. The contractor have the decision where and where to use borrow materials.</p> <p>2. Borrow Materials -approved backfill materials which shall be obtained from sources outside the project boundary, subject to testing and approval of an accredited material engineer on site., refer to TS 102.1.2</p> <p>3. Common Excavation Soil - approved suitable backfill material which is obtained within the project site, subject to testing and approval of an accredited material engineer on site. Refer TS 103.2</p>
S-06	Vol 1 Section 2		BDS 2	ITB 6.5	Site Data	We could not find the file for "Project Implementation Schedule" in the Site Data website. Please provide it.	Bidder is advised to refer to GBB 31
S-07	Batch 16			Batch 16	<p>The design of OCS pole (position and pole spacing), pole supply and installation are the scope of separate E & M contractors. The civil contractor has to provide Pole foundation with installation details from E&M Contractor through regular interfacing liaison during contract implementation. For the bidding purpose, the Bidder shall assume an interval of 40 meter for the OCS poles.</p> <p>The Employer has provided a Provisional Sum item for Interface Works -Physical construction interface works including but not limited to OCS Pole foundations, to cover any necessary interfacing works which are to be detailed during contract implementation.</p>	<p>We refer to the Employer's final response in Batch 16.</p> <p>However, we could not find "Interface Works" in the provisional sum.</p> <p>Please provide the "Interface Works".</p>	<p>The Bidder is advised that the PS for Interface Works (Re: Physical construction interface works including but not limited to OCS Pole Foundations) - is not applicable to CP S-07, because the package has no Viaduct nor Bridge Structures.</p> <p>For the Interface related work item (i.e.:Time related charges for Interface Management, Coordination and Communication), Please refer to the BOQ, Bill No. 1, Item No. GS126.</p>
S-04	Volume 2.2		72-73/137	118.6.2 Noise and Vibration Level Management	Allowable noise levels vary by time of day and sensitivity of the receptors as outlined in the NPCC Memorandum Circular No. 002 Series of 1980	<p>With reference to the NPCC Memorandum Circular No. 002 Series of 1980, the contracto shall made his arrangements for noise limits in the working areas. Since the outlined noise limits were specified in 1980, (this is according to the related document) the noise limits for the project area seem 65 dBA (+10 dBA for two lane or four-lane or wider roads, respectively). To level the noise of the machineries at the work site, the contractors must install the noise barriers along with the alignment. Please specify the payment term or item for these items on the BoQ.</p>	<p>The bidder is advised to refer to the General Specifications, GS 114 Traffic Management, subsection 114.2, clause 114.2.2 - Contents of Temporary Traffic Control Plan</p> <p>j) Environmental measures to be implemented, e.g. dust suppression, noise abatement, stream diversion and the like. Please refer to the BOQ, Bill No. 1, Item Nos. GS114(1) and GS114(2) for the BOQ-Pay Items. Please also refer to the Item Nos. GS118(2) and GS118(3) in conjunction with the Contractor's Environmental Management & Monitoring Plan.</p>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-05	2	Book 1 (Civil)	NSRP-DWG- VIA00-ST-1271	Noise Barrier Details	Note 4 The shape of the parapet wall is for reference only	Further to the referenced note 4, clause 229.3.2) in technical specification (TS200) it was mentioned that the shape of precast concrete parapet wall shall be basically in accordance with the requirements specified in drawings. Kindly advise whether bump inside barrier and uneven surface outside barrier could be flat and plain. Kindly also advise that the thickness and width of barrier could be reduced, while the height remain in compliance with drawing and specification.	<i>Civil Contractor is responsible for the design and construct of the parapet wall that shall act as a noise barrier. Currently drawings are provided for information only. The height of the barrier shall be 2 meters and installed along the ROW (both sites). Please refer to Note 5 of the drawing VIA00-ST-1271. Note bidder is required to design the parapet in accordance with the structural requirements as specified in the TS. Furthermore the Civil Contractor will be required to keep a standard length of parapet and external pattern. The maximum weight allowed is 14KN/m. The shape and appearance of the parapet wall (noise barrier) shall be standardized in all packages. Contractor design will be subject to the Engineer approval. Bidder to refer to updated TS 200 in Addendum 6. Bidder also to refer to the updated BOQ item 229(1) Bill No.3 in Addendum 4.</i>
S-05	-	Site Data (For Information Only)			10. List of Site Data Documents 10.01 Geotechnical Investigation Report(S) 20 Volumes (Only .pdf Format) 10.02 Topographic Survey Drawings 10.03 Utilities Database and Drawings 10.04 Hydrology Report 10.05 Hydrology Report - Areas with Insufficient Capacity (Package Specific) 10.06 Marikina Valley Fault Line Seismic Report 10.07 Laguna Lake Development Report 10.08 Resettlement Action Plan (RAP) 10.09 Schedule of Demolitions Due to RAP (Package Specific) 10.10 Environmental Impact Statement (EIS) 10.11 Tree Survey Report 10.12 Tree Cutting Relocation from PNR Private Land 10.13 PNR Documents 10.14 Historical Structures of Importance 10.15 DPWH Structures Interface - (Particularly for S-02) 10.16 Traffic Assessment Report 10.17 Depot Design Report (S-07) 10.18 Risk Register (Package Specific) 10.19 Site(s) for Contractor 10.20 Location(s) for Procurement of Suitable Fill (S-07) 10.21 Site(s) for Spoil Disposal 10.22 Available Land	With reference to the contents of the site data documents, it is noted that some of the site data documents 10.05 Hydrology Report - Areas with Insufficient Capacity (Package Specific) 10.09 Schedule of Demolitions Due to RAP (Package Specific) 10.11 Tree Survey Report 10.12 Tree Cutting Relocation from PNR Private Land 10.15 DPWH Structures Interface - (Particularly for S-02) 10.22 Available Land are not made available for the tenderers inside the folders provided through the link in ITB 6.5.	<i>Bidder is advised to refer to Addendum 3, 4 and 5 to access additional information included in Site Data. 10.05 Hydrology Report - Areas with Insufficient Capacity - Addendum 4 10.09 Schedule of Demolitions Due to RAP - Addendum 5 10.11 Tree Survey Report - Addendum 3 10.12 Tree Cutting Relocation from PNR Private Land - not available 10.15 DPWH Structures Interface - (Particularly for S-02) - refers to S-02 and not S-05 10.22 Available Land - Addendum 4</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04	1	Vol. 1 Part I - Bidding Procedures Section 2: Bid Data Sheet	DBS 1	B. Contents of Bidding Documents	ITB 6.5	We have downloaded the Site Data from the link indicated in ITB 6.5, however folder 5,9,11,12, & 15 are missing from the link, 1) Schedule of Demolition Due to RAP (Package Specific), 2) SCRIP Tree Survey - Report, 3) Tree Cutting / Relocation from PNR / Private Land, 4) DPWH Structure Interface - (Particularly for S-02) and 5) Available Land (Currently None) - Mapping (Package Specific). Please advise	<i>Bidder is advised to refer to Addendum 3, 4 and 5 to access additional information included in Site Data.</i> <i>10.05 Hydrology Report - Areas with Insufficient Capacity - Addendum 4</i> <i>10.09 Schedule of Demolitions Due to RAP - Addendum 5</i> <i>10.11 Tree Survey Report - Addendum 3</i> <i>10.12 Tree Cutting Relocation from PNR Private Land - not available</i> <i>10.15 DPWH Structures Interface - (Particularly for S-02) - refers to S-02 and not S-05</i> <i>10.22 Available Land - Addendum 4</i>
S-05	2	Volume 2, Section 6, II Drawings	-	NSRP-DWG-VIA00-ST-1271	-	Although the Drawings show two (2) different types of parapet walls (i.e., noise barrier type with having a height of 2.0m and fall prevention type with having a height of 1.1m), only noise barrier type with having a height of 2.0m appears in the BoQ No. 3 229(1). Please clarify only noise barrier type parapet wall will be the one to be built as a part of the Bidder's Scope of Works.	<i>Civil Contractor is responsible for the design and construct of the parapet wall that shall act as a noise barrier. Currently drawings are provided for information only. The height of the barrier shall be 2 meters and installed along the ROW (both sites). Please refer to Note 5 of the drawing VIA00-ST-1271. Note bidder is required to design the parapet in accordance with the structural requirements as specified in the TS. Furthermore the Civil Contractor will be required to keep a standard length of parapet and external pattern. The maximum weight allowed is 14KN/m. The shape and appearance of the parapet wall (noise barrier) shall be standardized in all packages. Contractor design will be subject to the Engineer approval. Bidder to refer to updated TS 200 in Addendum 6. Bidder also to refer to the updated BOQ item 229(1) Bill No.3 in Addendum 4.</i>

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S-06	2	Volume 2, Section 6, II Drawings	-	NSRP-DWG-VIA00-ST-1271	-	Although the Drawings show two (2) different types of parapet walls (i.e., noise barrier type with having a height of 2.0m and fall prevention type with having a height of 1.1m), only noise barrier type with having a height of 2.0m appears in the BoQ No. 3 229(1). Please clarify only noise barrier type parapet wall will be the one to be built as a part of the Bidder's Scope of Works.	<i>Civil Contractor is responsible for the design and construct of the parapet wall that shall act as a noise barrier. Currently drawings are provided for information only. The height of the barrier shall be 2 meters and installed along the ROW (both sites). Please refer to Note 5 of the drawing VIA00-ST-1271. Note bidder is required to design the parapet in accordance with the structural requirements as specified in the TS. Furthermore the Civil Contractor will be required to keep a standard length of parapet and external pattern. The maximum weight allowed is 14KN/m. The shape and appearance of the parapet wall (noise barrier) shall be standardized in all packages. Contractor design will be subject to the Engineer approval. Bidder to refer to updated TS 200 in Addendum 6. Bidder also to refer to the updated BOQ item 229(1) Bill No.3 in Addendum 4.</i>
S-04	3	Volume 3 Section 8	PCC 3	8.7 & 14.15	Delay damages for the Works - Five hundredths of a percent (0.05%) of the Contract Price per day for the completion of the whole of Works and for delay in achieving each Key Date for the respective elements of the works, in the currencies and proportions in which the Contract Price is payable.	With reference to above, please provide the LD calculation formula. For example, how much LD would it be if we are missing a small element in the little section of the viaduct to achieve the key date KD 02-3 such as 200m long cable trough.	<i>Bidder is advised that the delay damages imposed as failure to achieve a Key Date is as detailed in Particular Conditions of Contract 8.7 & 14.15(b) No formulas will be provided to bidders.</i>
S-04	2	Volume 2	-	Parapet Wall/Noise Barrier & Fall Protection Details	Technical Specification 229 - Parapet Wall and Drawing ref. NSRP-DWG-VIA00-ST-1271: Height of the wall from the base (to be placed on the cast-in-place base parapet wall) to the top of the wall: TYPE A = 2.0 meters (Noise Barrier Type) TYPE B = 1.10 meter (Fall Protection Type)	Please provide locations and quantities for the Types A & B in linear meters as the BOQ only states the 2-meter height precast parapet wall for Packages 4, 5 & 6.	<i>Civil Contractor is responsible for the design and construct of the parapet wall that shall act as a noise barrier. Currently drawings are provided for information only. The height of the barrier shall be 2 meters and installed along the ROW (both sites). Please refer to Note 5 of the drawing VIA00-ST-1271. Note bidder is required to design the parapet in accordance with the structural requirements as specified in the TS. Furthermore the Civil Contractor will be required to keep a standard length of parapet and external pattern. The maximum weight allowed is 14KN/m. The shape and appearance of the parapet wall (noise barrier) shall be standardized in all packages. Contractor design will be subject to the Engineer approval. Bidder to refer to updated TS 200 in Addendum 6. Bidder also to refer to the updated BOQ item 229(1) Bill No.3 in Addendum 4.</i>

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S-04	-	NSRP-DWG-VIA00-ST-1271	-	Noise Barrier Details	note 5 - Contractor shall design and construct the parapet wall in accordance with the requirements of technical specification TS229	Please confirm all the required dimensions of the Noise barrier and also the maximum weight allowed per lineal meter of barrier ?	<i>Civil Contractor is responsible for the design and construct of the parapet wall that shall act as a noise barrier. Currently drawings are provided for information only. The height of the barrier shall be 2 meters and installed along the ROW (both sites). Please refer to Note 5 of the drawing VIA00-ST-1271. Note bidder is required to design the parapet in accordance with the structural requirements as specified in the TS. Furthermore the Civil Contractor will be required to keep a standard length of parapet and external pattern. The maximum weight allowed is 14KN/m. The shape and appearance of the parapet wall (noise barrier) shall be standardized in all packages. Contractor design will be subject to the Engineer approval. Bidder to refer to updated TS 200 in Addendum 6. Bidder also to refer to the updated BOQ item 229(1) Bill No.3 in Addendum 4.</i>
S-05	2	Volume 2	-	Parapet Wall/Noise Barrier & Fall Protection Details	Technical Specification 229 - Parapet Wall and Drawing ref. NSRP-DWG-VIA00-ST-1271: Height of the wall from the base (to be placed on the cast-in-place base parapet wall) to the top of the wall: TYPE A = 2.0 meters (Noise Barrier Type) TYPE B = 1.10 meter (Fall Protection Type)	Please provide locations and quantities for the Types A & B in linear meters as the BOQ only states the 2-meter height precast parapet wall for Packages 4, 5 & 6.	<i>Civil Contractor is responsible for the design and construct of the parapet wall that shall act as a noise barrier. Currently drawings are provided for information only. The height of the barrier shall be 2 meters and installed along the ROW (both sites). Please refer to Note 5 of the drawing VIA00-ST-1271. Note bidder is required to design the parapet in accordance with the structural requirements as specified in the TS. Furthermore the Civil Contractor will be required to keep a standard length of parapet and external pattern. The maximum weight allowed is 14KN/m. The shape and appearance of the parapet wall (noise barrier) shall be standardized in all packages. Contractor design will be subject to the Engineer approval. Bidder to refer to updated TS 200 in Addendum 6. Bidder also to refer to the updated BOQ item 229(1) Bill No.3 in Addendum 4.</i>

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S-06	2	Volume 2	-	Parapet Wall/Noise Barrier & Fall Protection Details	Technical Specification 229 - Parapet Wall and Drawing ref. NSRP-DWG-VIA00-ST-1271: Height of the wall from the base (to be placed on the cast-in-place base parapet wall) to the top of the wall: TYPE A = 2.0 meters (Noise Barrier Type) TYPE B = 1.10 meter (Fall Protection Type)	Please provide locations and quantities for the Types A & B in linear meters as the BOQ only states the 2-meter height precast parapet wall for Packages 4, 5 & 6.	<i>Civil Contractor is responsible for the design and construct of the parapet wall that shall act as a noise barrier. Currently drawings are provided for information only. The height of the barrier shall be 2 meters and installed along the ROW (both sites). Please refer to Note 5 of the drawing VIA00-ST-1271. Note bidder is required to design the parapet in accordance with the structural requirements as specified in the TS. Furthermore the Civil Contractor will be required to keep a standard length of parapet and external pattern. The maximum weight allowed is 14KN/m. The shape and appearance of the parapet wall (noise barrier) shall be standardized in all packages. Contractor design will be subject to the Engineer approval. Bidder to refer to updated TS 200 in Addendum 6. Bidder also to refer to the updated BOQ item 229(1) Bill No.3 in Addendum 4.</i>

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S-06	-	NSRP-DWG-VIA00-ST-1271	-	Noise Barrier Details	Note 5 - Contractor shall design and construct the parapet wall in accordance with the requirements of technical specification TS229	Please confirm all the required dimensions of the Noise barrier and also the maximum weight allowed per lineal meter of barrier ?	<i>Civil Contractor is responsible for the design and construct of the parapet wall that shall act as a noise barrier. Currently drawings are provided for information only. The height of the barrier shall be 2 meters and installed along the ROW (both sites). Please refer to Note 5 of the drawing VIA00-ST-1271. Note bidder is required to design the parapet in accordance with the structural requirements as specified in the TS. Furthermore the Civil Contractor will be required to keep a standard length of parapet and external pattern. The maximum weight allowed is 14KN/m. The shape and appearance of the parapet wall (noise barrier) shall be standardized in all packages. Contractor design will be subject to the Engineer approval. Bidder to refer to updated TS 200 in Addendum 6. Bidder also to refer to the updated BOQ item 229(1) Bill No.3 in Addendum 4.</i>
S-07		1.3b CP S-07 Vol.1A Sec.4A BOQ_Add.2_20210 310	BOQ Bill No.2 Part C	Surface Course	107(1)Sub-ballast 21,509 cum	Please provide calculation excel spreadsheet and area plan CAD of sub-ballast construction which demonstrate and justify the given sub-ballast quantities 21,509 cum. Our calculation is 15% difference from the value.	<i>These area is checked by CAD and thickenss is 0.2m. They have 4-area are between road, in between road 1 & road 3, between road 1 & road 2, and Access Track.</i>
S-07		Volume 2, Section 6, 02_Book 1 (Civil), 04-CP S-07 DPSFE		NSRP-DWG-DEP-DR- 2710 Manhole Concrete Cover		Sample, For Type A: C = 900mm Ct = 200mm Using given Formula: $Cw = C + 2Ct = 900 + 200 + 200 = 1300\text{mm}$ $(Cw - 240) / 3 = (1300 - 240) / 3 = 353.33\text{mm}$ $353.33\text{mm} < 800\text{mm}$ (min. requirement), therefore not applicable Using min. 800mm Manhole Cover: $C + 2Ct - 240 = 1300 - 240 = 1060\text{mm}$ $1060\text{mm} > 800\text{mm}$, therefore there will be 1 Manhole cover with the dimension of 1060mm x 1060mm which is conflict on the drawing Query: Which shall govern, the minimum requirement which is 800mm, the formula $(Cw - 240) / 3$ or the quantity of Manhole cover in the drawing	<i>The drawing detail does not require any amendment. Refer to NSRP-DWG-DEP-DR-271 Rev.21 The detail described has a minimum manhole cover dimension of 800mm. If this dimension of the manhole cover is exceeded, each segment of the manhole cover shall be divided into 3 segments with a width of $(Cw - 240) / 3$. Therefore, the 1060mm manhole cover shall be divided into 3 segments, there is no conflict on the detail drawing. The primary objective is to have easier maintenance of the manhole cover and drainage line.</i>
S-06		Volume 3 Section 7	GCC 6	1.5 Priority of Documents		Bidder would like to request the Employer to include consolidated minutes of contract negotiations as one of the contract documents and confirm that consolidated minutes of contract negotiations and clarification are given priority to Particular Conditions of Contract (PCC). This means that the consolidated minutes of contract negotiations and clarification comes between the Letter of Bid and Particular Conditions of Contract (PCC).	<i>Bidder is advised that no change shall be made to Clause 1.5 - Priority of Documents</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04		NSCP-DWG-VIA00-ST-1271		Noise Barrier Details	Note 5 - Contractor shall design and construct the parapet wall in accordance with the requirements of technical specification TS229.....	Please confirm all the required dimension of the Noise barrier/ Precast Parapet. Can we change the shape of the internal face? Can we change the shape of external face?	<i>Civil Contractor is responsible for the design and construct of the parapet wall that shall act as a noise barrier. Currently drawings are provided for information only. The height of the barrier shall be 2 meters and installed along the ROW (both sites). Please refer to Note 5 of the drawing VIA00-ST-1271. Note bidder is required to design the parapet in accordance with the structural requirements as specified in the TS. Furthermore the Civil Contractor will be required to keep a standard length of parapet and external pattern. The maximum weight allowed is 14KN/m. The shape and appearance of the parapet wall (noise barrier) shall be standardized in all packages. Contractor design will be subject to the Engineer approval. Bidder to refer to updated TS 200 in Addendum 6. Bidder also to refer to the updated BOQ item 229(1) Bill No.3 in Addendum 4.</i>
S-05		NSCP-DWG-VIA00-ST-1271		Noise Barrier Details	Note 5 - Contractor shall design and construct the parapet wall in accordance with the requirements of technical specification TS229.....	Please confirm all the required dimension of the Noise barrier/ Precast Parapet. Can we change the shape of the internal face? Can we change the shape of external face?	<i>Civil Contractor is responsible for the design and construct of the parapet wall that shall act as a noise barrier. Currently drawings are provided for information only. The height of the barrier shall be 2 meters and installed along the ROW (both sites). Please refer to Note 5 of the drawing VIA00-ST-1271. Note bidder is required to design the parapet in accordance with the structural requirements as specified in the TS. Furthermore the Civil Contractor will be required to keep a standard length of parapet and external pattern. The maximum weight allowed is 14KN/m. The shape and appearance of the parapet wall (noise barrier) shall be standardized in all packages. Contractor design will be subject to the Engineer approval. Bidder to refer to updated TS 200 in Addendum 6. Bidder also to refer to the updated BOQ item 229(1) Bill No.3 in Addendum 4.</i>
S-06		GBB20 13April2021		Mass Concrete & Maximum temperature and temperature differences	The mass concrete is with reinforcement concrete, i.e. pile cap and the like.	For avoidance of doubt, we further seek specific clarification on this response. From experience, we believe this does not apply to ALL reinforced concrete and as such please identify which one of these structural components are to be considered to fall under mass concrete classification: - Pile cap; - Pier and pier head; - CIS - ATG U-Retaining wall base slab; - ATG U-Retaining walls; and - viaduct precast segments. - In-situ deck slab	<i>The definition of Mass concrete is depending on the conditions of concrete mix design, material dimensions, and air temperature. The bidder shall propose a quality control plan and construction method for concrete work complying with TS 206 to obtain approval from the Engineer in advance</i>

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S-06		NSCP-DWG-VIA00-ST-1271		Noise Barrier Details	Note 5 - Contractor shall design and construct the parapet wall in accordance with the requirements of technical specification TS229.....	Please confirm all the required dimension of the Noise barrier/ Precast Parapet. Can we change the shape of the internal face? Can we change the shape of external face?	<i>Civil Contractor is responsible for the design and construct of the parapet wall that shall act as a noise barrier. Currently drawings are provided for information only. The height of the barrier shall be 2 meters and installed along the ROW (both sites). Please refer to Note 5 of the drawing VIA00-ST-1271. Note bidder is required to design the parapet in accordance with the structural requirements as specified in the TS. Furthermore the Civil Contractor will be required to keep a standard length of parapet and external pattern. The maximum weight allowed is 14KN/m. The shape and appearance of the parapet wall (noise barrier) shall be standardized in all packages. Contractor design will be subject to the Engineer approval. Bidder to refer to updated TS 200 in Addendum 6. Bidder also to refer to the updated BOQ item 229(1) Bill No.3 in Addendum 4.</i>
S-07	Volume 2	Sec.6 ERQ	TS-200-51	204.2.6 Test Piles 204.2.6.1 Initial Load Test	The Contract specifies Initial Load Tests for the test piles and static Load Tests, Integrity Tests as well as Cross Hole Sonic Logging Tests for all working piles. Initial load test shall be referred to Static Load Test in Section 204.2.6.2	1) In Section 204.2.6.1, it is stipulated that Initial Load Test shall be referred to Static Load Test in Section 204.2.6.2. Does it means Initial Load Test and Static Load Test are identical to each other? If they are different, 2) Which one is covered by pay item "204(4) Static Load Tests" among them? 3) How many Nos of tests shall be conducted for Initial Load test or Static Load Test which is out of coverage of pay item 204(4)? 4) In Connection to 3), what payment method for it?	<i>The Contractor shall allow for 11 number (sacrificial) test piles per contract package, the static load testing of working piles to the loads given in the pier schedule is not permitted. At least one test per pile size (diameter) per soil class shall be carried out in each package, the location of the remainder will be determined by the Engineer. The actual length will be determined by the Engineer and will depend on the soil conditions at the agreed location of the test piles. The sacrificial test piles will be subject to a static load test, the magnitude of the load test will be maximum of 1 x L2 Earthquake load, as given in the pier schedule. The acceptance criteria is given on drawing NSRP-DWG-VIA00-ST-0320. The object of the pile test is not only to verify the geotechnical parameters assumed in the design but also for the Contractor to demonstrate his working methods for constructing the piles. The static load test shall be "Maintained Load Test" and the loads shall be applied and maintained as per ATM D1143-81. Alternative test methods may be proposed by the Contractor but he must clearly indicate what the advantages and savings his method would bring to the Client and that the alternative method would still validate the assumed design parameters. The Contractor shall also note that working piles are not permitted to be used as "Reaction" piles during the static load test. The contractor shall allow for additional sacrificial piles if the reaction method is to be used. Bidder to refer to updated BOQ in Addendum 5.</i>

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Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-07	Volume 1A	Sec.4A BoQ		Bill no. 2 Bill no. 4 204(4) Static Load tests (SLT) 401(6) Static Loading Test (SLT)		Please specify how many Compressive load tests, Tensile Load Tests, lateral load tests shall be conducted for 14 test bored piles in BOQ (depot 2, underpass 2, building 8, detention basin 2)? Detail test type and quantity of pile testing is very important for competitive proposal because it is very costly and affects overall construction schedule.	<i>The Contractor shall allow for 11 number (sacrificial) test piles per contract package, the static load testing of working piles to the loads given in the pier schedule is not permitted. At least one test per pile size (diameter) per soil class shall be carried out in each package, the location of the remainder will be determined by the Engineer. The actual length will be determined by the Engineer and will depend on the soil conditions at the agreed location of the test piles. The sacrificial test piles will be subject to a static load test, the magnitude of the load test will be maximum of 1 x L2 Earthquake load, as given in the pier schedule. The acceptance criteria is given on drawing NSRP-DWG-VIA00-ST-0320. The object of the pile test is not only to verify the geotechnical parameters assumed in the design but also for the Contractor to demonstrate his working methods for constructing the piles. The static load test shall be "Maintained Load Test" and the loads shall be applied and maintained as per ATM D1143-81. Alternative test methods may be proposed by the Contractor but he must clearly indicate what the advantages and savings his method would bring to the Client and that the alternative method would still validate the assumed design parameters. The Contractor shall also note that working piles are not permitted to be used as "Reaction" piles during the static load test. The contractor shall allow for additional sacrificial piles if the reaction method is to be used. Bidder to refer to updated BOQ in Addendum 5.</i>
S-05		Volume 2, Specification GS	GS100 Appendix 4	Contractor's Interface and Coordination with Others	A2 Power Distribution System	According to GS100 Appendix 4 matrices, the Bidder is required to install "Earthing and grounding system" supplied by E&M System Contractor. However, the Bidder is not able to locate the information associated with the installation of "Earthing and grounding system" within the ITB. Please kindly provide the Bidder with the drawing and associated quantities relevant to this work.	<i>The bidder shall refer to the drawing VIA-00-ST-1901. Earthing will be installed by others after the viaduct handed over to E&M Contract.</i>
S-05		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.	<i>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.</i>