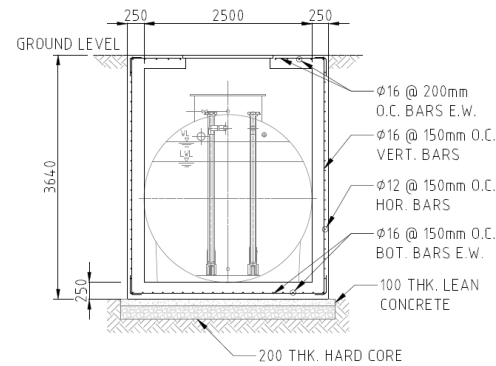


North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP02: Elevated Structures and 3 Stations			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
Volume IA, Part 1 – Bill of Quantities			
1	Pages BOQ-90, BOQ-97 and BOQ-105, Mainline Traction Substation(PR5-102 TO PR5- 104)	Please indicate where will we use High-performance Fluorourethane Coatings (T/S NO. 547; ITEM NO. 547(4)b).	High-performance Fluorourethane Coatings (Masonry Paintings) as specified in TS 500, Clause 547.8.2 shall be used as finish for exterior walls of all the Mainline Traction Substations.
Volume II, Part 2 – Work Requirements			
2	Balagtas Station Concrete Works - Reinforcement Schedule and Details - Slab on Fill	Please provide plan and reinforcement details for slab on fill.	The Contractor shall use the following details to produce the shop drawings and submit to the Engineer for its review and approval before commencement of work: a. 150mm thick concrete slab on grade with 12mm diameter rebar spaced at 200mm O.C. Top Bars Each Way. b. The slab shall be overlaying 100mm thick lean concrete. c. The lean concrete shall rest on 200mm thick Hard Core.
TS 400			
3	Page TS400-405, Clause 405 Concrete Structures	Please provide a table specifying the strength, aggregate size and slump of each concrete class and differentiate "Concrete Class" and "Class AAA".	Please refer to TS 400, Table 405.3-1 in Page TS400-67. The class of concrete to be used in all superstructures and heavily reinforced substructures shall be Class AAA. The same shall be the used in important structures including the slabs, beams, girders, columns, box culverts, reinforced abutments, retaining walls and reinforced footing.
TS 500			
4	Page TS500- 221-225	Due to a very limited number of Company who has 20 years experience in manufacturing and installing polytetrafluoroethylene (PTFE) tensile membrane, may we request the Employer to relax the requirement of "20 years for both Manufacturing and installation, and 20 project installation of MRT stations by using TiO2	In accordance with the requirements of Volume I, Bidding Procedures, Section III, Evaluation and Qualification Criteria, TS 500, Clause 523.1.1, second paragraph, is revised as follows: “Membrane supplier has experience of manufacturing and installing polytetrafluoroethylene (PTFE) tensile membrane structures for over twenty (20) at least ten (10) years all over the

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		membrane roof structure", to 10 years instead provided that the Subcontractor has enough experience for both manufacturing and installation around the world and has installed more than 20 projects but not limited to MRT Stations type, but in a larger scale, to allow for a competitive cost?	world (including the Philippines), and has installed at more than twenty (20) <u>infrastructure project structures</u> MRT stations building structures by using TiO2 membrane roof structure."
Drawings			
5	VIA07-ST-0026, PNR Right of Way in Malolos Station	<p>As per GBB No. 8, Item No. 10 responses, The location of PNR Right of Way is available and is indicated on the General Arrangement Drawings.</p> <p>Please refer to the drawings with sheet numbers as follows:</p> <p>NSCR-DWG-VIA05-ST-0025 – Balagtas Station NSCR-DWG-VIA06-ST-0022 – Guiguinto Station NSCR-DWG-VIA07-ST-0026 – Malolos Station</p> <p>In the area of Balagtas&Guiguinto Stations, (VIA05-ST-0025 & VIA06-ST-022) respectively, the indicated red dash line in the drawings is the PNR Right of way. Is the bidder's understanding correct?</p> <p>However, in the Malolos Area (VIA07-ST-0026) no red dash line was specified in the drawing. Therefore, the Bidder cannot determine the PNR Right of Way.</p> <p>Please clarify.</p>	<p>Please note that PNR-ROW (or PNR Boundary Line) means the land boundary of existing PNR line. The NSCR ROW is the Right of Way for NSCR project which is referred to in GC Clause 2.1 and covers all permanent structures of NSCR project.</p> <p>Also, please refer to item 51 of Annex "A", GBB No. 5 of CP01 and item No. 35 of Annex "A", GBB No. 6 of CP02 for information on theparcellary survey.</p>
Book 2 of 3			

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ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
6	Page CP02-B2-017, Drawing No. NSCR - DWG -BAL -AR - 3106, Balagtas Station Architectural - Row Extents, Balagtas Station, Architectural, ROW Extents	Please confirm if the Site Possession is "Free" from any access of existing community before given to the Contractor.	Access to and possession of the Site shall be given to the Contractor in the manner and within the time stated in the documents forming the contract.
7	Pages CP02-B2-021, 022 and 023, Drawing Nos. NSCR -DWG -BAL -AR - 3122, 3123 and 3124, Balagtas Station Architectural - Section 1, 2 and 3 (BLOW UP), Balagtas Station, Architectural, Section Drawing	Please provide detail of Intermediate beams along gridline A and D.	The details for Beam PB-1 in Drawing No. NSCR-DWG-BAL-ST-4157 (Page CP02-B2-132) shall be used for intermediate beams along gridlines A and D.
8	Pages CP02-B2-027 to 028; CP02-B2-264 to 265; CP02-B2-524 to 525; CP02-B2-036 to 037; CP02-B2-274 to 275; CP02-B2- 534 to 535, Concourse Reflected Ceiling	Please identify the location of prepainted insulated roof panels mentioned in BOQ No.3, pages 32, 49 and 66, item no. D513(3) on plan.	<p>The item pertained to in the Clarification Request regarding Pay Item D513(3) refers to Depot, while the Reference Drawings quoted by the Bidder pertains to Stations.</p> <p>The location of pre-painted insulated roof panels shall be in all office areas/rooms at the back of house (BOH) in the Concourse Level of all the Stations, except on domestic and fire tank rooms and all other rooms at Ground Level.</p>

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ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Plan (all stations); Schedule of Finishes (all stations)		For pre-painted insulated roof panels mentioned in BOQ No. 3, please refer to TS500, Clause 512.5.2, Pay Item 512(1) Metal Roofing above the BOH, and include with Rockwool Insulation.
9	Pages CP02-B2-027 to 028; CP02-B2-264 to 265; CP02-B2-524 to 525; CP02-B2-036 to 037; CP02-B2-274 to 275; CP02-B2- 534 to 535; TS500-226 to 228, Concourse Reflected Ceiling Plan (all stations); Schedule of Finishes (all stations); Clause no. 524: Work Requirements for Roof Accessories	Please provide specifications for Composite Interior Roof Deck Assembly mentioned in BOQ no. 3, pages 36, 52 and 70, item no. 524(1) and identify the location on plan.	For Composite Interior Roof Deck Assembly mentioned in BOQ No. 3, Pages BOQ-36, BOQ-52 and BOQ-70, please refer to TS500, Clause 512.5.2, Pay Item 512(1) Metal Roofing above the BOH and include with Rockwool Insulation. The location shall be in all office areas/rooms at the BOQ in Concourse Level of all the Stations except on domestic and fire tank rooms and all other rooms at Ground Level.
10	Page CP02-B2-131, Balagtas Station Concrete Works - Reinforcement Schedule and Details – Columns	Please provide reinforcement details for columns C11a, C13, C14, and C15 (NSCR-DWG-BAL-ST-4155)	The following details in the drawings shall be used: a. For C11a use reinforcement details for column C11. b. For C13 and 15, use reinforcement details for column C7. c. For C14, use reinforcement details for column C10.
11	Pages CP02-B2-222, CP02-B2-479, CP02-B2-751, Sanitary	1. Please provide reinforcement details for Waste Water Treatment Plant (NSCR-DWG-BAL-SN-6021, NSCR-DWG-GUI-SN-6021 and NSCR-	The platform of the Waste Water Treatment Plant shall be made of reinforced concrete.

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ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Waste Water Treatment Plant Plan and Section (all stations)	<p>DWG-MAL-SN-6021) mentioned in BOQ no.3, pages 37, 54 and 71, item no. 618(2).</p> <p>2. Also, please clarify if the platform is made of aluminum as per the material legend (NSCR-DWG-BAL-AR-3002, NSCR-DWG-GUI-AR- 3002 and NSCR-DWG-MAL-AR-3002) and provide specifications.</p>	<p>The following reinforcement detail shall be used for the Water Treatment Plant:</p>  <p>The Contractor shall produce shop drawings and submit them to the Engineer for its review and approval before commencement of works.</p>
12	Page CP02-B2-252, Drawing No. NSCR - DWG -GUI -AR - 3101, Guiguinto Station Architectural - Site Development Plan Ground Level, Guiguinto Station, Architectural, Site Development Plan, Ground Level	1. 4.50 meters Right of Way from gridline -A and -D is not enough for the use of construction. Please provide at least 15.0 meters from gridline -A and -D (both sides) for construction access.	Please refer to GS 100, Clause 104.1.9.

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13	Page CP02-B2-253, Drawing No. NSCR - DWG -GUI -AR - 3106, Guiguinto Station Architectural - NSCR R.O.W. REQUIREMENT, Guiguinto Station, Architectural, ROW Extents	2. Please confirm if the Site Possession is "Free" from any access of existing community before given to the Contractor.	Access to and possession of the Site shall be given to the Contractor in the manner and within the time stated in the documents forming the contract.																																																											
14	Page CP02-B2-382, Guiguinto Station Concrete Works - Reinforcement Schedule and Details – Beams	Please provide reinforcement details for Beams GG13 and PB3 (NSCR- DWG-GUI-ST-4158)	Please refer to the Table below: <table><tr><th rowspan="2">MARK</th><th colspan="2">SECTION</th><th>REBAR</th><th colspan="2">LEFT SUPPORT</th><th colspan="2">MIDSPAN</th><th colspan="2">RIGHT SUPPORT</th><th>Web Bars</th><th colspan="2" rowspan="2">STIRRUPS SPACING</th></tr><tr><th>b (mm)</th><th>d (mm)</th><th>Dia (mm)</th><th>TB</th><th>BB</th><th>TB</th><th>BB</th><th>TB</th><th>BB</th><th>EF</th></tr><tr><td>GG13</td><td>600</td><td>800</td><td>Ø28</td><td>4</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>2-Ø12</td><td>3L-Ø12</td><td>1@50, 8@100, 6@125, Rest @ 200mm. O.C. to C.L.</td></tr><tr><td>PB3</td><td>400</td><td>800</td><td>Ø28</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>2-Ø12</td><td>3L-Ø12</td><td>1@50, 8 @100, 5@200,Rest @ 250mm. O.C. to C.L.</td></tr></table>											MARK	SECTION		REBAR	LEFT SUPPORT		MIDSPAN		RIGHT SUPPORT		Web Bars	STIRRUPS SPACING		b (mm)	d (mm)	Dia (mm)	TB	BB	TB	BB	TB	BB	EF	GG13	600	800	Ø28	4	3	3	3	3	3	2-Ø12	3L-Ø12	1@50, 8@100, 6@125, Rest @ 200mm. O.C. to C.L.	PB3	400	800	Ø28	3	3	3	3	3	3	2-Ø12	3L-Ø12	1@50, 8 @100, 5@200,Rest @ 250mm. O.C. to C.L.
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15	Pages CP02-B2-518, CP02-B2-519 and CP02-B2-520, Drawing No. NSCR –DWG-MAL-AR-3122, NSCR –DWG-MAL-3123 and NSCR –DWG-MAL-3124, Malolos Station Architectural - Section 1, 2 and 3 (Blow Up), respectively, Malolos Station,	Please provide detail of Intermediate beams along gridline A and D.	The details for Beam PB-1 in Drawing No. NSCR-DWG-MAL-ST-4157 (Page CP02-B2-652) shall be used for intermediate beams along gridlines A and D.																																																											

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ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Architectural, Section Drawing		