

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
<i>General</i>			
1	All Stations and Mainline Traction Substation	<p><u>Reference:</u> <i>Water Incoming Supply (All 7-Stations & Mainline Traction Substation)</i></p> <p>Please specify the location of tapping point from Maynilad water main supply to main water meter box of buildings. Our understanding is that the incoming shall be 1 meter from the said water meter box shown in each building. Please confirm. This is for all stations and mainline traction substation (MTS 1~6)</p>	<p>Complete water supply and distribution system shall be provided by the CP01 Contractor. Please refer to all relevant Technical Specifications and Drawings in the Bidding Documents in this regard.</p> <p>Further, the exact location of tapping points shall be determined by the Contractor during construction. The Contractor shall submit a proposal for approval of the Engineer before execution of works.</p>
<i>Volume I, Part 1 – Bidding Procedures</i>			
<i>Bid Data Sheet</i>			
2	Page BDS-4, BDS ITB 18.3 (b)	<p>Please clarify the meaning of fixed portion as in “The fixed portion of the Bid Price shall be adjusted by the following factor”.</p> <p>Does it mean only the Lump Sum item is subject to price adjustment?</p> <p>Please clarify the meaning of “fixed portion”</p>	<p>No, the Bidder’s understanding is incorrect. Price adjustments are not limited to Lump Sum Items.</p> <p>The meaning of “fixed portion of the Bid Price” is 15% of the Bid Price as stated in Schedule 2: Schedule of Adjustment Data in Section IV, Bidding Forms. In case that the award is delayed by a period exceeding fifty-six (56) days beyond the expiration of the initial Bid validity, 15% of the Bid Price will be adjusted according to ITB 18.3(b).</p>
<i>Bidding Forms</i>			
<i>Volume IA, Part 1 – Bill of Quantities</i>			
3	BOQ, Tutuban	<p><u>Reference:</u> <i>Bill of Quantities</i></p> <p>Clarifications on the unit of measurement for Item No. 530(6)a - Glass Railing, H=1200-1250mm (To</p>	Yes. “l.m”.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot																			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE																
		Could you please separate BOQ Excavation Items for soil condition and rock condition?																	
7	Page BOQ-180, BOQ Item Nos. 559(1) and 559(2)	<p><u>Reference:</u> <i>Flagpole</i></p> <p>Please provide location and detail for Flagpole.</p>	<p>The following drawings are attached to this GBB which shall form part of the Bidding Documents:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">Drawing No.</th> <th style="text-align: center;">Book No. & Page No.</th> <th style="text-align: center;">Annex</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>NSCR-DWG-OCC-AR-3102</td> <td>Book 8 of 11; Page CP01-B8-202A</td> <td style="text-align: center;">D</td> </tr> <tr> <td style="text-align: center;">2</td> <td>NSCR-DWG-OCC-ST-4523</td> <td>Book 8 of 11; Page CP01-B8-356A</td> <td style="text-align: center;">E</td> </tr> <tr> <td style="text-align: center;">3</td> <td>NSCR-DWG-OCC-ST-4524</td> <td>Book 8 of 11; Page CP01-B8-356B</td> <td style="text-align: center;">F</td> </tr> </tbody> </table>	No.	Drawing No.	Book No. & Page No.	Annex	1	NSCR-DWG-OCC-AR-3102	Book 8 of 11; Page CP01-B8-202A	D	2	NSCR-DWG-OCC-ST-4523	Book 8 of 11; Page CP01-B8-356A	E	3	NSCR-DWG-OCC-ST-4524	Book 8 of 11; Page CP01-B8-356B	F
No.	Drawing No.	Book No. & Page No.	Annex																
1	NSCR-DWG-OCC-AR-3102	Book 8 of 11; Page CP01-B8-202A	D																
2	NSCR-DWG-OCC-ST-4523	Book 8 of 11; Page CP01-B8-356A	E																
3	NSCR-DWG-OCC-ST-4524	Book 8 of 11; Page CP01-B8-356B	F																
8	Page BOQ-200, BOQ Item No. D534(26)	<p><u>Reference:</u> <i>Cast Iron Abrasive Nosing</i></p> <p>Please specify location and provide details for cast iron abrasive nosing. Item is not reflected on plan, but it has pay item in BOQ.</p>	<p>Cast Iron Abrasive Nosing is required for the service pit stairs. The Bidder shall price the Cast Iron Abrasive nosing using his supplier's recommended material for this particular BOQ Pay Item. The product information shall be submitted for the Engineer's review and approval per TS 500, Clause 534.1.4. The service pit and its corresponding stair are included in the interface requirements with the CP04 Contractor. Please refer to GS 100, Clause 126 and Appendix 4 for details.</p>																
9	Page BOQ-206, BOQ Item No. D512(6)	<p><u>Reference:</u> <i>Roofing</i></p> <p>Please specify the location of Pre-painted Metal Sheet Roofing (t=0.60mm). It has pay item in BOQ but is not reflected on plans.</p>	<p>Please refer to Section VI, 3 Drawings, Book 10 of 11, Pages CP01-B10-145 to CP01-B10-148 for the correct roofing type for the Catenary Maintenance Vehicle Shop.</p>																
10	Page BOQ-224, BOQ Item No. D506(53)	<p><u>Reference:</u> <i>Maintenance Ladder</i></p>	<p>The Maintenance Ladder is not reflected in the drawings. However, the Bidder is instructed to price the ladder using the</p>																

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		Please specify location of maintenance ladder, item is not reflected on plan.	BOQ Pay Item. Please refer to the drawing in Book 8 of 11, Page CP01-B8-535 Workshop Architectural details, Sheet 4 and adopt the details and specifications. The height must be coordinated with the building height of the Workshop Oil Storage. The actual location shall be confirmed during project implementation.
11	Pages BOQ-224 and BOQ-229, BOQ Item No. D506(53)	<u>Reference:</u> <i>Maintenance Ladder</i> Please specify location of Maintenance Ladder. It is given in BOQ but not reflected on plans.	Maintenance Ladder is not reflected in the drawings. However, the Bidder is instructed to price the ladder using the BOQ Pay Item. Please refer to Book 8 of 11, Page CP01-B8-535 Workshop Architectural Details Sheet 4 and adopt the details and specifications. The height must be coordinated with the concerned buildings. The actual location shall be confirmed during the project implementation.
12	Page BOQ-234, BOQ Item No. D506(53)	<u>Reference:</u> <i>Maintenance Ladder</i> Please specify location of Maintenance Ladder. It is given in BOQ but not reflected on plans.	The Maintenance Ladder is not reflected in the drawings. However, the Bidder is instructed to price the ladder using the BOQ Pay Item. Please refer to Book 8 of 11, Page CP01-B8-535 Workshop Architectural details, Sheet 4 and adopt the details and specifications. The height must be coordinated with the building height of the Hazardous Store Building. The actual location shall be confirmed during project implementation.
13	Page BOQ-247, BOQ Item No. D506(84)	<u>Reference:</u> <i>Stainless Steel Grating</i> Please specify location of Stainless Steel Grating, item is not reflected on plan, but has pay item in BOQ.	Please refer to the drawing in Book 10 of 11, Page CP01-B10-212 indicating the Pit's location and length. The Stainless Steel Grating shall be a demountable type.
14	Page BOQ-263, BOQ Item No. D512(6)	<u>Reference:</u> <i>Roofing</i> Please specify where Pre-painted Metal Sheet Roofing (t=0.60mm) is located; it is given in BOQ	Please refer to Section VI, 3 Drawings, Book 10 of 11, Pages CP01-B10-085 and CP01-B10-088 for the correct roofing type.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		but not reflected on plans.	
15	Page BOQ-297, BOQ Item No. D545(1)	<u>Reference:</u> <i>Ceiling Finishes</i> Please specify where 600 x 600 x 12mm thk. Acoustic Ceiling Board w/ Foil Backing will be used; it is given in BOQ but not reflected on plans.	600 x 600 x 12mm thk. Acoustic Ceiling Board with Foil Backing is not required for the Depot Substation 1. Please refer to the drawing in Book 9 of 11, Page CP01-B9-271.
16	Page BOQ-298, BOQ Item No. D512(6)	<u>Reference:</u> <i>Roofing</i> Please specify where Pre-painted Metal Sheet Roofing (t=0.60mm) will be used, and please specify location; it is given in BOQ but not reflected on plans.	Please refer to Section VI, 3 Drawings, Book 9 of 11, Pages CP01-B9-271 to CP01-B9-272 for the correct roofing type for the Depot Substation 1.
17	Page BOQ-300, BOQ Item No. D506(53)	<u>Reference:</u> <i>Maintenance Ladder</i> Please specify location of Maintenance Ladder. It is given in BOQ but not reflected on plans.	Maintenance Ladder is not reflected in the drawings. However, the Bidder is instructed to price the ladder using the BOQ Pay Item. Please refer to the drawing in Book 8 of 11, Page CP01-B8-535 Workshop Architectural Details Sheet 4 and adopt the details and specifications. The height must be coordinated with the building height of the Depot Substation 1. The actual location shall be confirmed during the project implementation.
Volume II, Part 2 – Works Requirements			
Scope of Works			
18	Page SOW-3, 1.6 Ancillary Works. Paragraph 2	<u>Reference:</u> <i>The Temporary Protection of historic station from deterioration caused by buildings construction works are included in the works. The conservation or relocation of the historic station buildings will be undertaken by DOTr after the completion of the Works</i>	

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		<p>Kindly clarify and provide details of the following:</p> <ul style="list-style-type: none"> a) The nature, type and extent of Temporary Protection that is referred to in this clause. b) Whether there are any particulars/specifics. c) If a precondition survey has to be done prior to Work commencement. d) If “deterioration” in this clause means damage caused by construction works undertaken by the Contractor for the Works. e) How such potential deterioration are evaluated and assessed. f) Is this Clause related to “118.7.1 PNR Old Stations” on pages GS-65 and GS-66? If yes, specifically how? g) Please confirm the Contractor is not responsible for deterioration due to aging historic stations during the Works. 	<ul style="list-style-type: none"> a) Temporary Protection refers to protection in the current condition for the duration of the contract. b) These are outlined in GS 100, Clause 118.7.1 as amended below. c) A precondition survey is required. The contractor is expected to make necessary protection measures to prevent deterioration from all causes except force majeure. d) Damage caused by construction works is included. e) Deterioration is assessed against the precondition survey. f) Yes. This is clarified by through the revised GS100 Clause 118.7.1 below. g) The Contractor is responsible for deterioration due to the aging of the buildings. <p>GS 100, Clause 118.7.1 is revised as follows: “The Contractor shall prepare a plan for the protection of the following Old PNR structures during Construction for approval of</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
			<p><u>Engineer:</u></p> <ol style="list-style-type: none"> 1) Malolos; 2) Guiguinto; 3) Balagtas; 4) Meycauayan; 5) Valenzuela; 6) Casitas, Manila. <p><u>The Contractor shall make a precondition survey to ascertain the condition of the six PNR buildings mentioned below and submit for approval.</u></p> <ol style="list-style-type: none"> 1) <u>Malolos;</u> 2) <u>Guiguinto;</u> 3) <u>Balagtas;</u> 4) <u>Meycauayan;</u> 5) <u>Valenzuela;</u> 6) <u>Casitas, Manila.</u> <p><u>The Contractor shall make such temporary structural maintenance and protections as may be necessary to secure the buildings for the duration of the contract.</u></p> <p><u>The Contractor shall return possession of the buildings at the completion of the contract in the same condition as he had taken possession.”</u></p>
GS 100			
19	Page GS-91, 126.3 Standardization of E&M Elements	In Bid Bulletin No.6-29, your response (“Bidders shall follow the specifications.”) does not address clearly the issue we would like you to clarify. The Contractor theoretically understands the bid	Please refer to GS 100, Clause 126.3 which states that “No additional payments shall be payable to the Contractor for achieving the requirements of this Clause.”

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	General Bid Bulletin No. 6, Annex "A", Item 29	<p>requirement, but practically it is impossible to comply with it due to the following reasons: -There is no nominated vendor -During bidding stage, the Contractor is not in a position to coordinate with other bidders/ competitors for standardization.</p> <p>Please kindly confirm and specify the following: The Contractor has the entitlement to claim cost adjustment in case of any changes from our proposed vendors.</p>	
TS 200			
20	TS 200, Main Alignment	<p><u>Reference:</u> <i>Concrete</i></p> <p>May we request bridge deck locations that is included in the special concrete pouring methodology?</p>	Please refer to TS 200, Clause 206.6.4. This may refer to all concrete casted or finished on precast segmental on cast-in-situ deck.
21	TS 200, Clause 204.3.3, All Station Main Viaduct Depot	<p><u>Reference:</u> <i>Reinforcing Steel</i></p> <p>Please confirm if we are allowed to weld reinforcing steel. Are we allowed to use weldable reinforcing steel?</p>	<p>Welding of reinforcement is strictly prohibited unless approved by the Engineer.</p> <p>Please refer to TS 200, Clause 207 for the specifications of reinforcing steel.</p>
22	Page TS200-412, 228.4.1 Method of Measurement	<p><u>Reference:</u> <i>The work to be paid for under this Item shall be the number of cubic meters of jet grout columns that are satisfactorily constructed.</i></p> <p>BOQ shows similar number to the volume of the</p>	Please refer TS200, Clause 228.4.1. Also, please refer to GC Clause 1.5 for priority of documents.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		soil to be improved. On the other hand, Method of measurement shows “cubic meters of jet grout columns”. Which is the method of measurement for NSCR? Please clarify.	
TS 400			
23	Page TS400-75, 405.5.1.4 Mixing And General Bid Bulletin No. 5, Annex “A” Item 36	<p>Clarification Request: <i>Reference:</i> <i>The time elapsing between the introduction [...] and placing [...] shall not exceed 60 minutes [...] and 45 minutes [...]</i></p> <p>Could you please kindly revise text to “shall not exceed 1.5 hours”, same as in 206.7 Handling and Placing Concrete (on page TS200 - 133)?</p> <p><i>Proposed Text:</i> <i>[...] shall not exceed 1.5 hours [...]</i></p> <p>Response: Please follow the specifications.</p> <p>ASTM C94, Clause 11.4 states "Discharge of the concrete shall be completed within 1+1/2h, or before the drum has revolved 300 revolutions, whichever comes first, after the introduction of the mixing water to the cement and aggregates or the introduction of the cement to the aggregates. These</p>	Please refer to TS 400, Page TS400-75, Clause 405.5.1.4.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		<p>limitations are permitted to be waived by the purchaser if the concrete is of such slump after the 1+1/2h time or 300-revolution limit has been reached that it can be placed, without the addition of water, to the batch. In hot weather, or under conditions contributing to quick stiffening of the concrete, a time less than 1+1/2h is permitted to be specified by the purchaser."</p> <p>We believe the same wording can reasonably be included in the specifications.</p>	
TS 500			
24	Page TS500-221, Clause 523.1.1, General	<p>“Membrane supplier has experience of manufacturing and installing polytetrafluoroethylene (PTFE) tensile membrane structures for over twenty (20) years all over the world (including the Philippines), and has installed at more than twenty (20) MRT Stations by using TiO2 membrane roof structure”</p> <p>Would you consider sub-contractor or supplier with less than twenty (20) years but more than ten (10) years of experience for supply, fabrication and installation of PTFE membrane roof structure?</p>	<p>Yes, the Bidder's request is acceptable. 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 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.”</p>
TS 600			
25	TS 600 and TS 700 For Station and Depot	<p><u>Reference:</u> <i>BMS</i></p> <p>Please provide BMS points list for Bidder's reference</p>	<p>Please refer to Book 6 of 11, Page CP01-B6-475 and Book 8 of 11, Page CP01-B8-131 for the BMS system diagram for Marilao and Valenzuela Depot light repair shop. Similar drawings are also included in the Bidding Documents for all other station/ depot buildings.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
26	TS 600 and TS 700, For Station and Depot	<p><u>Reference:</u> <i>kW-hr meter and transducer</i></p> <p>Please confirm if the kW-hr meter and transducer be included in the BMS proposal.</p>	The Contractor shall submit its proposal together with the necessary documents to the Engineer for its review/approval prior to the commencement of the Works as per GS 100, Clause 120.4.3.
27	<p>PageTS600-42, 601.4 Measurement and Payment</p> <p>General Bid Bulletin No. 6, Annex "A", Item 41</p>	<p>In Bid Bulletin No.6-41, your response ("Please refer to Particular Conditions (PC) 14.1 and...") does not address clearly the issue we would like you to clarify.</p> <p>Payment scheme is one very important factor to affect overall project cost proposal considering related cash flow.</p> <p>Please kindly confirm and specify the following: Payment method for Mechanical work shall be done upon "actual site progress basis" as per our submitted cost breakdown, even if "Lump Sum", not milestone basis", such as each system completion.</p>	Please refer to GC Clause 14.1 (d) which states that "the Contractor shall submit to the Engineer, within 28 days after the Commencement Date, a proposed breakdown of each lump sum price in the Schedules. The Engineer may take account of the breakdown when preparing Payment Certificates, but shall not be bound by it."
28	PagesTS600-143, Clause 611	<p><u>Reference:</u> <i>611 Air Cooled Split Type Air-Conditioning Unit</i></p> <p>Please provide equipment specification for all Precision air Conditioning Unit.</p>	Please refer to item 62 of Annex "A", GBB No. 7.
29	<p>PageTS600-164, Clause 614.2.8</p> <p>And</p>	<p><u>Reference:</u> <i>Water Tank Material</i></p> <p>Specification sub-clause 614.2.8, states, domestic water tank shall be Glass Polyester Panel (GPP).</p>	GPP is the same as GRP.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	PageTS600-203, Clause 617.1.3	<p>Specification sub-clause 617.1.3 states GRP storage tank.</p> <p>Please advise which is to be followed for pricing purpose.</p>	
30	PageTS600-203 and TS600-204, Clause 617.2	<p><u>Reference:</u> <i>Electrodes or float switches and controls</i></p> <p>Please confirm our understanding that the supply and installation for the electrodes, float switches and control is shall be priced under electrical works (TS 700).</p> <p>Please clarify the meaning of "BMCS" subcontractor.</p>	It is within the Scope of Work of the CP01 Contractor.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot																								
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE																					
31	Page TS600-206, Clause 618.2.4.2	<p><u>Reference:</u> <i>Waste Water Treatment Plant (WWTP) water quality</i></p> <p>The Bidder/Contractor would like to propose WWTP water quality for Inlet and Outlet water as below. Please confirm whether this is acceptable.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Parameter (mg/l)</th> <th style="text-align: center;">Tender Specification</th> <th style="text-align: center;">Contractor's Proposal for Stations</th> <th style="text-align: center;">Contractor's Proposal for Depot Buildings</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Biochemical Oxygen Demand, BOD</td> <td style="text-align: center;">Inlet: 300 Outlet: 15</td> <td style="text-align: center;">Inlet: 205 Outlet: 10</td> <td style="text-align: center;">Inlet: 205 Outlet: 10</td> </tr> <tr> <td style="text-align: center;">Suspended Solids, SS</td> <td style="text-align: center;">Inlet: 150 Outlet: 110</td> <td style="text-align: center;">Inlet: 150 Outlet: Not Detected (ND)</td> <td style="text-align: center;">Inlet: 150 Outlet: Not Detected (ND)</td> </tr> <tr> <td style="text-align: center;">Nitrogen, N</td> <td style="text-align: center;">Inlet: 150 Outlet: 15</td> <td style="text-align: center;">Inlet: 80 Outlet: 14</td> <td style="text-align: center;">Inlet: 40 Outlet: 14</td> </tr> <tr> <td style="text-align: center;">Phosphorus, P</td> <td style="text-align: center;">Inlet: 150 Outlet: 5</td> <td style="text-align: center;">Inlet: 5 Outlet: 1</td> <td style="text-align: center;">Inlet: 5 Outlet: 1</td> </tr> </tbody> </table>	Parameter (mg/l)	Tender Specification	Contractor's Proposal for Stations	Contractor's Proposal for Depot Buildings	Biochemical Oxygen Demand, BOD	Inlet: 300 Outlet: 15	Inlet: 205 Outlet: 10	Inlet: 205 Outlet: 10	Suspended Solids, SS	Inlet: 150 Outlet: 110	Inlet: 150 Outlet: Not Detected (ND)	Inlet: 150 Outlet: Not Detected (ND)	Nitrogen, N	Inlet: 150 Outlet: 15	Inlet: 80 Outlet: 14	Inlet: 40 Outlet: 14	Phosphorus, P	Inlet: 150 Outlet: 5	Inlet: 5 Outlet: 1	Inlet: 5 Outlet: 1	No, please refer to TS 600, Clauses 618.2.4 and 618.2.5.	
Parameter (mg/l)	Tender Specification	Contractor's Proposal for Stations	Contractor's Proposal for Depot Buildings																					
Biochemical Oxygen Demand, BOD	Inlet: 300 Outlet: 15	Inlet: 205 Outlet: 10	Inlet: 205 Outlet: 10																					
Suspended Solids, SS	Inlet: 150 Outlet: 110	Inlet: 150 Outlet: Not Detected (ND)	Inlet: 150 Outlet: Not Detected (ND)																					
Nitrogen, N	Inlet: 150 Outlet: 15	Inlet: 80 Outlet: 14	Inlet: 40 Outlet: 14																					
Phosphorus, P	Inlet: 150 Outlet: 5	Inlet: 5 Outlet: 1	Inlet: 5 Outlet: 1																					
32	Page TS600-205, Clause 618.2	<p><u>Reference:</u> <i>618.2 WWTP Tank Materials</i></p> <p>Please advise material specification of tanks storage (material and standard) for the WWTP system</p>	The Contractor shall submit a Proposed WWTP in accordance with TS 600 Clause 618 and Waste Water Treatment Tank Details in drawings for the Engineer's approval before installation.																					

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
33	PageTS600-259, Clause 623.2.7 and Page CP01-B4-275	<u>Reference:</u> <i>Fire Hose Cabinet Fire Extinguisher (Typical for all Stations)</i> Specification and drawing states, "Fire extinguishers mounted inside the cabinet" Please advise type (CO2, ABC, etc.) and capacity (weight) of Fire Extinguisher for our pricing purpose.	Please refer to equipment schedule for Tutuban Station in the drawing in Book 4 of 11, Page CP01-B4-277. Similar drawings are included for other stations also.
34	PageTS600-308, Clause 630.6	<u>Reference:</u> <i>CO2 Fire Suppression.</i> Please confirm that the CO2 suppression system proposal shown on bidding drawings are acceptable to local Authority Having Jurisdiction (AHJ), due to ozone depletion chemical composition/compound.	Please refer to the Fire Code of the Philippines which states that CO2 fire extinguishers are acceptable and allowed to be used.
TS 700			
35	TS 700	<u>Reference:</u> <i>CATV System</i> Kindly confirm if CATV System is included on our scope. If yes, please provide plans.	CATV System for OCC building is within the scope of works of the CP01 Contractor. Please refer to TS 700, Clause 709.
36	TS 700	<u>Reference:</u> <i>Grounding System for the Traction Power equipment</i> Please confirm if the Grounding System for the Traction Power equipment will be part of our scope.	The Grounding System for the Traction Power Equipment is not within the Scope of Work of CP01. The CP01 Scope of Work is until the grounding bus bar only. However, necessary interface shall be done with other interfacing Contractors by the CP01 Contractor as per GS 100, Clause 126 and Appendix 4.

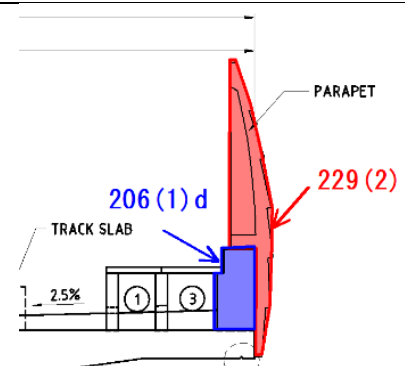
North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		If Yes, please provide us plans.	Please also refer to item no. 7 of the drawing in Book 1 of 11, Page CP01-B1-000.
37	TS 700, For Station and Depot	<u>Reference:</u> <i>Communication Protocol of BMS</i> Please confirm the communication protocol of BMS for FDAS, CCTV, Door Access, Structured Cabling/Database, Elevator and Escalator and water waste system	The Contractor shall submit its proposal along with the necessary documents to the Engineer for its review/approval prior to the commencement of the Works as per GS 100, Clause 120.4.3.
38	TS 700, Stations and Depot	Please confirm if the BMS will interface with SCADA. If yes, what will be the interfacing requirement.	Yes. Interface shall be required for BMS and SCADA. However, General SCADA is part of the CP01 Scope of Works and Power SCADA is part of the CP04 Scope of Works. Please refer to GS 100 Clause 126 and Appendix 4 for details.
39	TS 700, For Station and Depot	<u>Reference:</u> <i>UPS and back-up battery</i> Please confirm if a provision of UPS and back-up battery is required for each DDC, or a Central UPS for each station instead.	Please refer to TS600, Clause 626.2.4.
40	Page TS700-35, 701.4 Measurement and Payment General Bid Bulletin No. 6, Annex "A", Item 52	In Bid Bulletin No.6-52, your response ("Please refer to Particular Conditions (PC) 14.1and...") does not address clearly the issue we would like you to clarify. Payment scheme is one very important factor to affect overall project cost proposal considering related cash flow. Please kindly confirm and specify the following: Payment method for Electrical work shall be done	Please to GC Clause 14.1(d) which states that "the Contractor shall submit to the Engineer, within 28 days after the Commencement Date, a proposed breakdown of each lump sum price in the Schedules. The Engineer may take account of the breakdown when preparing Payment Certificates, but shall not be bound by it."

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		upon “actual site progress basis” as per our submitted cost breakdown even if “Lump Sum”, not milestone basis”, such as each system completion.	
41	Pages TS700-130 to TS700-193, Valenzuela Depot	<u>Reference:</u> <i>Air Terminal</i> Please confirm type of Air terminal (lightning) to be use if active (ESE type) as per technical specification or passive (conventional type) as per plan.	Air Terminal shall be used is the Conventional Type as per plan.
42	PagesTS700-225 to TS700-247, Clauses 706 to 708	<u>Reference:</u> <i>Local Fabrication</i> Please confirm if the following items can be locally fabricated: <ul style="list-style-type: none"> - Panel Enclosures - Cables - Lighting Enclosures and Reflectors - Cable Trays - Boxes 	Shop drawings shall be submitted by the Contractor for the approval of the Engineer.
43	Page TS700-225, Clause 706.1.2.2	<u>Reference:</u> <i>Circuit Breakers</i> Please confirm if we may propose MCB (Miniature Circuit Breaker) for 1 pole breakers in lieu of MCCB shown on drawings.	Miniature Circuit Breakers may be proposed. Please refer to TS700, Clause 706.1.9.3.
44	Page TS700-252, 710.2.1	<u>Reference:</u> <i>Fire Alarm System</i> Please confirm if FDAS devices must be FM	Yes, the Bidder’s understanding is correct. UL/FM listed products are required as per the Fire Code of the Philippines and National Fire Protection Authority (NFPA) Standards.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		Global Certificated.	
45	Page TS700-266, Clause 711.2.2 And Volume II, 3 Drawings, Book 4 of 11, CP01-B4-200 Sample from Tutuban	<u>Reference:</u> <i>Lightning Protection System</i> Please confirm which is to be followed: Technical Specification states minimum 120mm ² braided down conductor Drawing shows 100mm ² medium drawn bare copper wire (MDBCW) This query is typical for all buildings.	Pleas follow the requirement of 100mm ² as shown in the detailed drawings. TS 700, Page TS 700-266, Clause 711.2.2 (3) shall be read as follows: “3) Conductors shall be a minimum of 120 mm² <u>100mm²</u> copper cables consisting of multiple strands of braided conductors in a round cross section. The minimum cable weight shall be 60 kg/100m. Roof conductors may be tinned copper for compatibility with roof material.”
46	Pages TS700-273, Clause 713.1	<u>Reference:</u> <i>Building Management System</i> Please provide specific list of equipment and utilities which requires control and monitoring. <i>Note: Specification states "integrates, centralizes, simplify monitoring, control, operation and management of equipment and utilities of the building".</i>	Please refer to the drawing in Book 4 of 11, Page CP01-B4-232 which shows basic BMS Schematic Diagram and the general list of equipment and utility components to be controlled and monitored. The quantity and description would depend on each station. Also, the necessary shop drawings shall be submitted to the Engineer for approval before execution of works.
47	Page TS700-276, Clause 713.2.5	<u>Reference:</u> <i>Storage Water Tank Interphase to BMS</i> As stated under sub-clause 713.2.5 - Interphase to BMS, please provide design drawing for the interfacing of storage water tank with BMS for our pricing.	Please refer to the drawing in Book 4 of 11, Page CP01-B4-232 which shows the basic BMS Schematic Diagram and the general list of equipment and utility components to be controlled and monitored. The quantity and description would depend on each station. Also, necessary shop drawings shall be submitted to the Engineer for approval before execution of works
Drawings			

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
48	Drawings, Tutuban Station Solis Station Caloocan Station Valenzuela Station Meycauayan Station Marilao Station Bocaue Station	<u>Reference:</u> <i>Annunciator Panel</i> Please provide the location of Annunciator Panel.	Please refer to the drawing in Book 4 of 11, Pages CP01-B4-227 to CP01-B4-229 for Fire alarm annunciator Panel at Tutuban station. Similar drawings are also included in the Bidding Documents for other stations.
49	Drawings, Tutuban Station Solis Station Caloocan Station Valenzuela Station Meycauayan Station Marilao Station and Bocaue Station	<u>Reference:</u> <i>Sprinkler System</i> Please confirm if Sprinkler System is not required for all Stations	Yes, Fire Sprinkler System is not required for all Stations. Please refer to the General Notes and Legends on similar drawings with drawing numbers formatted as NSCR-DWG-(<i>abbreviation of name of station</i>)-FS-6501 and 6511.
50	Drawings, Tutuban Station Solis Station Caloocan Station Valenzuela Station Meycauayan Station Marilao Station and Bocaue Station	<u>Reference:</u> <i>Fire Suppression System</i> Please confirm if Fire Suppression System is not required for all Stations.	A Stand Pipe and Hose Fire Suppression System is required for all Stations. Please refer to the General Notes and Legends on similar drawings with drawing numbers formatted as NSCR-DWG-(<i>abbreviation of name of station</i>)-FS-6501 and 6511.
51	Drawings	<u>Reference:</u> <i>fire hose cabinet</i> Please clarify if what type of fire hose cabinet to be used. Single or Double jacketed?	The Contractor shall submit its proposal on the fire hose cabinet type, double-jacketed type together with the necessary documents to the Engineer for its review/approval prior to the commencement of the Works as per GS 100, Clause 120.4.3.
52	Drawings, Valenzuela	<u>Reference:</u>	The overall distribution power layout shall be prepared by the

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Depot	<i>Load Sched and overall power distribution layout</i> Please provide load schedule, cable destination and power distribution facility especially for small buildings.	CP04 Contractor and necessary interface shall be done by the CP01 Contractor as per GS 100, Clause 126 and Appendix 4.
53	Drawings, Valenzuela Depot	<u>Reference:</u> <i>Annunciator Panel</i> Please provide the location of Annunciator Panel.	Please refer to the drawing in Book 4 of 11, Pages CP01-B4-227 to CP01-B4-229 for Fire alarm annunciator Panel at Tutuban station. Similar drawings are also included in the Bidding Documents for other stations.
54	Drawings, Valenzuela Depot	<u>Reference:</u> <i>Ductbanks</i> Please provide overall distribution power layout and detail of ductbanks.	The overall distribution power layout shall be prepared by the CP04 Contractor and necessary interface shall be done with other interfacing contractors by the CP01 Contractor as per GS 100, Clause 126 and Appendix 4.
55	Drawings, Main Alignment	<u>Reference:</u> <i>Jet Grouting</i> May we request for a detailed drawing for Jet Grouting.	Please refer to TS 200, Clause 228 and the notes on the drawing in Book 1 of 11, Page CP01-B1-044.
56	Drawings	<u>Reference:</u> <i>Parapet</i> May we request for the rebar details for parapet wall.	Please refer to TS 200, Clause 229.3, Submittals.
57	Drawings, Main Alignment	<u>Reference:</u> <i>Parapet</i> May we request clarification between Pay Item 206(1)d Structural Concrete, 40 MPa for Parapet	Please refer to item 44, Annex "A" of GBB No. 12 and the sketch below.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		Wall/EndWall and Pay Item 229(2) Parapet Wall type B. in what location does the 2 items located? And are they different structures?	
Book 1 of 11			
58	Page CP01-B1-255, Drawing No. NSCR-DWG-VIA02-ST-0019, Main Alignment	<p><u>Reference:</u> <i>Viaduct</i></p> <p>We noticed that Dwg pg. NSCR-DWG-VIA02-ST-0019 have no pier details on viaduct 02 piers 19-25. May we request a copy with the said details.</p>	Please refer to item 68 of Annex "G", GBB No. 8.
Book 3 of 11			
59	Page CP01-B3-077, Drawing No. NSCR-DWG-V1A02-RR-0000, RR section	<p><u>Reference:</u> <i>Bill of Quantities</i></p> <p>May we request clarification on the specification for the Embankment Type 1 and 2 and its location.</p>	<p>Please refer to TS 200, Clause 205.3.</p> <p>For the performance rank I (the use of the slab track), soils in soil type 1 shall be used. For the performance rank II (the use of the ballast track), soils in soil type 2 shall be used. (Book 3 of 11, Page CP01-B3-192)</p>
60	Page CP01-B3-077, Drawing No. NSCR-DWG-V1A02-RR-0000, RR section	<p><u>Reference:</u> <i>Forming Anchor</i></p> <p>May we request for the longitudinal spacing for</p>	Please refer to Drawing No. NSCR-DWG-V1A02-RR-0117 in Book 3 of 11, Page CP01-B3-089.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		forming anchor on embankment section(GRS method section).	
61	Page CP01-B3-077, Drawing No. NSCR-DWG-V1A02-RR-0000, GRS Section	<i>Reference:</i> <i>Embankment</i> Please clarify item no. 122(1) Drain pipe (200mm) and accessories for elevated section. The diameter for drainage pipe in the drawings is 300mm.	The diameter of drainage pipe for embankment is 300mm item no. 122(2).
62	Pages CP01-B3-080 and CP01-B3-081	GEOTEXTILE WRAPPING DETAIL is not shown on page CP01-B3-080. On the other hand, the detail shown on CP01-B3-081 is not only for facing at both sides of embankment, but also for the GRS abutment. In that case, casting concrete of GRS abutment shall be after at least embankment of cement treated mix block. Is this understanding correct? Please clarify.	Yes, the Bidder's understanding is correct. Please refer to TS 200, Clause 205.4 Construction Procedure.
63	Pages CP01-B3-086, CP01-B3-088, CP01-B3-090, CP01-B3-092, CP01-B3-094, CP01-B3-096, CP01-B3-098, CP01-B3-100, and CP01-B3-102 And Pages CP01-B3-087,	GEOTEXTILE WRAPPING DETAIL is not shown on pages CP01-B3-086, 088, 090, 092, 094, 096, 098, 100, 102. On the other hand, the detail shown on CP01-B3-087, 089, 091, 093, 095, 097, 099, 101, 103 is not only for facing at both sides of embankment, but also for the GRS Integral bridge. In that case, casting concrete of GRS integral bridge shall be after at least the embankment of cement treated mix block.	Yes, the Bidder's understanding is correct. Please refer to TS 200, Clause 205.4 Construction Procedure.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	CP01-B3-089, CP01-B3-091, CP01-B3-093, CP01-B3-095, CP01-B3-097, CP01-B3-099, CP01-B3-101, and CP01-B3-103	Is this understanding correct? Please clarify.	
64	Pages CP01-B4-007 and CP01-B4-264, General-All Stations	<u>Reference:</u> <i>Between DR(Drainage) scope and SN(Sanitary rainwater down pipe Catch basin) Scope</i> Building rainwater catch basins are indicated on CP-B4-264. It is our understanding that these rainwater basins need to connect to DR(Drainage) catch basin. However, this is not shown on the bidding drawings. Please provide the same and advise where (BOQ Item No.) are these to be priced in the BOQ.	Drainage catch basin is under BOQ No. 5 Drainage, Pay Items 111(4) or 111(5). The Contractor is required to prepare shop drawings according to GS 100 Clause 120.4.3.
65	Page CP01-B4-014 as typical for each station, Book 4 of 11 Stations as typical for each station and GBB No.5, Annex "A" Item 9	<u>Reference:</u> Clarification Request: <u>Reference:</u> <i>08 Site Work</i> <i>Walkway: Interlocking concrete block paver</i> <i>While interlocking concrete block paver is specified for walkway, BOQ specifies "Sidewalk with wire mesh (t=100)"</i> <i>Please clarify which is correct.</i> Response: <i>Please refer to items 9 and 12 of Annex "B" of</i>	Please refer to BOQ preamble The Contractor is required to prepare shop drawings according to GS100, Clause 120.4.3 in reference to the drawings in Books 4, 5 and 6 of 11 Pages CP01-B4-016, CP01-B4-293, CP01-B5-016, CP01-B5-259, CP01-B6-016, CP01-B6-281 and CP01-B6-536 (Site Development Plan).

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		<p><i>GBB No. 04, and TS500 Clause 504.</i></p> <p>We are unable to find BOQ Item 125(2) "Sidewalk with wire mesh (t=100)" on the drawings.</p> <p>Please specify which drawing shows this item.</p>	
66	Pages CP01-B4-052 to CP01-B4-057, Sample from Tutuban Station	<p><u>Reference:</u> <i>Power Provision for Signage</i></p> <p>Please confirm our understanding that power supply provision for all signages with illumination light fixtures have been included in the electrical drawings of the respective buildings.</p> <p>s This query is typical for all buildings.</p>	There are provisions for power supply for signages with illumination light fixtures as indicated on the branch circuit similar to the Load Schedules in the drawing in Book 4 of 11, Page CP01-B4-217.
67	Page CP01-B4-149 as typical for each station and GBB No.5, Annex "A" Item 54	<p><u>Reference:</u> Clarification Request: <i>Entire pile length of 30m is shown, while 1.2m of min. socket length from the top of estimated bearing soil stratum is also shown. Please clarify which condition prevails. If the socket length prevails over the entire pile length, what is the procedure for determining the top of estimated bearing soil stratum, and who will determine the same?</i></p> <p>Response: <i>Please refer to drawing for minimum requirement of socket length. Entire pile length will be extended depend on the bearing soil stratum depth.</i></p>	The entire pile length prevails. Pile length decided based on skin friction and end bearing capacity, not the required socket length.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		<p><i>For determination of bearing soil stratum, proposal shall be submitted by the Contractor and approved by the Engineer.</i></p> <p>It is our understanding that in case the bearing stratum is found to be higher than the design drawing, the entire pile length will be shorter, while satisfying the minimum socket length. Please confirm.</p>	
68	<p>PageCP01-B4-195</p> <p>Book 8 of 11, Page, CP01-B8-382, Sample from Tutuban</p>	<p><u>Reference:</u> <i>Lighting Fixture Schedule</i></p> <p>Please provide lumen requirement for the lighting fixtures indicated in the lighting fixtures schedule.</p> <p>This query is typical for all buildings.</p>	<p>Please refer to the Legend in the Lighting Layout Plans for all the stations/Depot, e.g. the drawing in Book 8 of 11, Pages 384 to CP01-B8-389 for Valenzuela Depot, etc.</p>
69	<p>PagesCP01-B4-199 and CP01-B4-201</p>	<p><u>Reference:</u> <i>Panel location</i></p> <p>Please provide plan layout location of panel LPC-19.</p>	<p>Panel LPC-19 shall be located beside Panel LPC-18.</p>
70	<p>Pages CP01-B4-201 and CP01-B4-213</p>	<p><u>Reference:</u> <i>Tutuban Station – Electrical Panel Board Load Schedule LPC-07,08,09, etc.</i></p> <p>Feeder Wiring Schedule shows X7[4C-125mm² THWN +38mm² THWN (G)] and single line diagram indicates 4C-80mm² THHN + 38mm² (G). Which is to be followed in the event of</p>	<p>Please use the size of wires (4C) shown in the Electrical Cable Schedule in the drawing in Book 4 of 11, Page CP01-B4-225.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		discrepancies? This query is typical for all buildings.	
71	<p>Page CP01-B4-212, Drawing No. NSCR-DWG-TTB-EL-5127;</p> <p>Page CP01-B4-477, Drawing No. NSCR-DWG-SOL-EL-5127</p> <p>Book 5 of 11, Page CP01-B5-185, Drawing No. NSCR-DWG-CAL-EL-5127;</p> <p>Page CP01-B5-436, Drawing No. NSCR-DWG-VAL-EL-5127</p> <p>Book 6 of 11, Page CP01-B6-201, Drawing No. NSCR-DWG-MEY-EL-5127;</p> <p>Page CP01-B6-455, Drawing No. NSCR-DWG-MAR-EL-5127;</p>	<p><u>Reference:</u> <i>Integration to BMS</i></p> <p>Please confirm if the lighting panels are to be integrated to BMS due to the provided timer relays on the electrical schematic diagram</p>	<p>Yes. Lighting panels shall be integrated to BMS due to the provision of timer relays.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Page CP01-B6-702, Drawing No. NSCR-DWG-BOC-EL-5127, Tutuban Station Solis Station Caloocan Station Valenzuela Station Meycauayan Station Marilao Station Bocaue Station		
72	Page CP01-B4-216	<p><u>Reference:</u> <i>Tutuban Station – Electrical Panel Board Load Schedule MDB-05</i></p> <p>Branch circuit breakers indicate 1P with 10kAIC rating. However, some supplier standards for 1P is less than 5kAIC. May we propose 2P with 10kAIC rating for these breakers?</p> <p>Please confirm acceptance.</p>	Branch Circuit Breakers 1P with 10kAIC rating shall be considered.
73	Page CP01-B4-218	<p><u>Reference:</u> <i>Tutuban Station – Electrical Panel Board</i></p> <p>Branch circuit breaker indicates 1000AF/100AT, which are not available in the market.</p> <p>Please confirm our understanding that the correct circuit breaker rating for these is 100AF/100AT.</p>	The use of 100AF/100AT shall be considered.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		This query is typical for all buildings.	
74	Pages CP01-B4-216 and CP01-B4-218	<p><u>Reference:</u> <i>Tutuban Station – Electrical Panel Board Load Schedule LPC-07,08,09,10</i></p> <p>Main Breaker shows 4P Circuit Breaker. But drawing shows only 3P with S/N. Which is to be followed in the event of discrepancies?</p> <p>This query is typical for all buildings</p>	The 4P Main Breakers shall be followed.
75	Page CP01-B4-218	<p><u>Reference:</u> <i>Tutuban Station – Electrical Panel Board Load Schedule LPC-07 & MDB-03</i></p> <p>Main Breaker shows 200AT/500~1000AF, but in MDB-03 breaker rating shows 200AT/1000AF. Market standards is 250AF (max. 400AF). May we propose 250AF breaker?</p> <p>This query is typical for all buildings.</p>	Yes, 200AT/250AF may be considered.
76	Page CP01-B4-218	<p><u>Reference:</u> <i>Tutuban Station – Electrical Panel Board Load Schedule LPC-07,08,09, etc.</i></p> <p>Branch Circuit Breakers indicates 1P with 10kAIC rating. Some supplier's standards for 1P is less than 5kAIC.</p>	Branch Circuit Breakers 1P with 10kAIC rating shall be considered.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		May we propose 2P with 10kAIC rating?	
77	PagesCP01-B4-219to CP01-B4-222, Sample from Tutuban	<p><u>Reference:</u> <i>Power Supply System</i></p> <p>Please provide power supply plan layout c/w cabling and containment details and route for power supply of ACCUs, Exhaust Fans, Supply Fans, Shutters, Waste Water, Potable Water, Water Pump, Jockey Pump, Escalators and Elevators.</p> <p>This is typical for all stations.</p>	Shop drawings shall be submitted by the Contractor for the approval of the Engineer.
78	PageCP01-B4-226 Sample for Tutuban Station	<p><u>Reference:</u> <i>Fire Alarm System</i></p> <p>Please provide number of loops for FACP in each station, mainline traction substations and depot buildings.</p> <p>This query is typical for all buildings.</p>	Please refer to Drawing Nos. NSCR-DWG-TTB-EL-5172 to NSCR-DWG-TTB-EL-5174 in Book 4 of 11, Pages CP01-B4-227 to CP01-B4-229.
79	PageCP01-B4-226, Sample from Tutuban	<p><u>Reference:</u> <i>Fire Alarm System</i></p> <p>Please provide fire alarm annunciator panels specification and details in each station, mainline traction substations and depot buildings.</p> <p>This query is typical for all buildings.</p>	The Contractor shall propose Fire Alarm Annunciator Panel (FAAP) specifications for the approval of the Engineer.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
80	PageCP01-B4-231, Sample from Tutuban	<p><u>Reference:</u> <i>Lightning Protection System</i></p> <p>Please provide specifications and detail of grounding terminal box shown in drawing legend.</p> <p>Please confirm our understanding that grounding terminal box and lightning event counter shall be of the same quantity.</p> <p>This query is typical for all buildings.</p>	<p>The grounding terminal box and lightning event counter shall be of the same quantity. Shop drawings shall be submitted by the Contractor for the approval of the Engineer.</p>
81	PageCP01-B4-232 Sample for Tutuban Station	<p><u>Reference:</u> <i>Building Management System</i></p> <p>BMS System Diagram indicates AC Units, Ventilation Fans, Roller Shutter Doors, CCTV Monitors, Pumps and Elevators, railway system SCADA and Fire System Control Panel.</p> <p>Please provide specific list of equipment and utilities (quantity and item) which requires control and monitoring in the form of I/O point list?</p> <p>This query is typical for all stations.</p>	<p>Please refer to the drawing in Book 4 of 11, Page CP01-B4-232 which shows the basic BMS Schematic Diagram and the general list of equipment and utility components to be controlled and monitored. The quantity and description would depend on each station.</p> <p>Also, the necessary shop drawings shall be submitted to the Engineer for approval before execution of works.</p>
82	Page CP01-B4-239, Drawing No. NSCR- DWG-TTB-ME-5608; Page CP01-B4-240, Drawing No. NSCR-	<p><u>Reference:</u> <i>Ductwork Accessories (For All 7 - Stations)</i></p> <p>Some ductwork accessories reflected on the drawing plans doesn't have sizes. Please provide sizes for the Ductwork Accessories like grilles,</p>	<p>The various grilles and louver sizes are shown and indicated in Drawings with drawing numbers formatted as NSCR-DWG-(<i>abbreviation of name of station</i>)-ME-5608, 5611, 5621.</p> <p>Please also refer to Drawings for Stations with drawing numbers formatted as NSCR-DWG-(<i>abbreviation of name of station</i>)-ME-</p>


North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>DWG-TTB-ME-5611;</p> <p>Page CP01-B4-244, Drawing No. NSCR-DWG-TTB-ME-5638;</p> <p>Page CP01-B4-504, Drawing No. NSCR-DWG-SOL-ME-5608;</p> <p>Page CP01-B4-505, Drawing No. NSCR-DWG-SOL-ME-5611</p> <p>Book 5 of 11, Page CP01-B5-210, Drawing No. NSCR-DWG-CAL-ME-5611;</p> <p>Page CP01-B5-464, Drawing No. NSCR-DWG-VAL-ME-5611</p> <p>Book 6 of 11, Page CP01-B6-228, Drawing No. NSCR-DWG-MEY-ME-5611;</p> <p>Page CP01-B6-482, Drawing No. NSCR-</p>	dampers, registers, louvers, etc.	<p>5631 and 5632 for the blow-up room details.</p> <p>The Contractor shall submit the proposal as a shop drawing for all those accessories which does not have sizes considering the sizes provided for other ductwork.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>DWG-MAR-ME-5611;</p> <p>Page CP01-B6-486, Drawing No. NSCR- DWG-MAR-ME-5641;</p> <p>Page CP01-B6-727, Drawing No. NSCR- DWG-BOC-ME-5611</p> <p>Tutuban Station Solis Station Caloocan Station Valenzuela Station Meycauayan Station Marilao Station Bocaue Station</p>		
83	<p>Page CP01-B4-239, Drawing No. NSCR- DWG-TTB-ME-5608;</p> <p>Page CP01-B4-240, Drawing No. NSCR- DWG-TTB-ME-5611;</p> <p>Page CP01-B4-504, Drawing No. NSCR- DWG-SOL-ME-5608;</p> <p>Page CP01-B4-505,</p>	<p><u>Reference:</u> <i>Ducting Material & Size</i></p> <p>Please confirm the material used and sizes for the ducting on Heat Reclaim Ventilators</p>	<p>Please refer to the General Notes and Legend in drawings with drawing numbers formatted as NSCR-DWG-(<i>abbreviation of name of station</i>)-ME-5501.</p> <p>Please also refer to Drawings for Stations with drawing numbers formatted as NSCR-DWG-(<i>abbreviation of name of station</i>)-ME-5662 for the HRV duct and diffuser sizes.</p> <p>Also, for the blow-up room details, please refer to drawings for Stations with drawing numbers formatted as NSCR-DWG-(<i>abbreviation of name of station</i>)-ME-5511 to 5514 for the various typical details and NSCR-DWG-(<i>abbreviation of name of station</i>)-ME-5631 and 5632.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>Drawing No. NSCR-DWG-SOL-ME-5611</p> <p>Book 5 of 11, Page CP01-B5-210, Drawing No. NSCR-DWG-CAL-ME-5611;</p> <p>Page CP01-B5-464, Drawing No. NSCR-DWG-VAL-ME-5611</p> <p>Book 6 of 11, Page CP01-B6-228, Drawing No. NSCR-DWG-MEY-ME-5611;</p> <p>Page CP01-B6-482, Drawing No. NSCR-DWG-MAR-ME-5611;</p> <p>Page CP01-B6-727, Drawing No. NSCR-DWG-BOC-ME-5611</p> <p>Tutuban Station Solis Station Caloocan Station Valenzuela Station Meycauayan Station</p>		<p>The Contractor shall submit the proposal as a shop drawing for related details.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Marilao Station Bocaue Station		
84	Page CP01-B4-244, Drawing No. NSCR- DWG-TTB-ME-5638 Book 6 of 11, Page CP01-B6-486, Drawing No. NSCR-DWG- MAR-ME-5641 Tutuban Station Solis Station Caloocan Station Valenzuela Station Meycauayan Station Marilao Station Bocaue Station	<u>Reference:</u> <i>Insulation Thickness</i> Please confirm the thickness of insulation to be used for the ducting and refrigeration piping	Please refer to the General Notes and Legend on similar drawings with drawing numbers formatted as NSCR-DWG-(<i>abbreviation of name of station</i>)-ME-5501. Please also refer to similar station drawings with the drawing numbers formatted as NSCR-DWG-(<i>abbreviation of name of station</i>)-ME-5511 to 5514 for the various typical details.
85	Page CP01-B4-244, Drawing No. NSCR- DWG-TTB-ME-5638 Book 6 of 11, Page CP01-B6-486, Drawing No. NSCR-DWG- MAR-ME-5641 Tutuban Station	<u>Reference:</u> <i>Ducting Material & Size</i> Please confirm the material used and sizes for the ducting on Ducted Air Conditioning Units	Please refer to the General Notes and Legends on similar Drawings with the drawing numbers formatted as NSCR-DWG-(<i>abbreviation of name of station</i>)-ME-5501. For the blow-up room details, please refer to similar drawings for Stations with the drawing numbers formatted as NSCR-DWG-(<i>abbreviation of name of station</i>)-ME-5511 to 5514 for the various typical details and NSCR-DWG-(<i>abbreviation of name of station</i>)-ME-5631 and 5632.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Solis Station Caloocan Station Valenzuela Station Meycauayan Station Marilao Station Bocaue Station		
86	Pages CP01-B4-245 and CP01-B4-247	<p><u>Reference:</u> <i>All ACC & ACW units to be changed to PACC & PACW Units</i></p> <p>Note No. 1 states that "all ACC & ACW units to be changed to PACC & PACW units. Please provide revised equipment schedule for concerned precision units for our pricing purpose. This query is typical for all stations.</p>	Please refer to the Equipment Schedule for each station instead of the notes in the drawings.
87	Pages CP01-B4-248, CP01-B4-513 Book 5 of 11, Pages CP01-B5-217, CP01-B5-471 Book 6 of 11, Pages CP01-B6-235, CP01-B6-489, CP01-B6-734 Sample from Stations	<p><u>Reference:</u> <i>Direct Drive and Belt Driven Fans</i></p> <p>Please confirm whether we may propose either direct driven or belt driven fans for Inline Fans based on manufacturer's recommendation and selection.</p> <p>This query is typical for all buildings.</p>	<p>Yes, the Contractor may propose either direct-driven or belt-driven Inline Fans based on the manufacturer's recommendation and selection.</p> <p>The Contractor shall submit its proposal together with shop drawings to the Engineer for its review/approval prior to works execution as per GS 100, Clause 120.4.3.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
88	PageCP01-B4-251	<p><u>Reference:</u> <i>Shower Drains (All 7-Stations)</i></p> <p>Please provide shower drain specification (size and type). This query is typical for all stations.</p>	Please use 50mmØ size for the shower drain, and use brass type for the floor drain. The Contractor shall submit a sample of the floor drains to the Engineer before installation.
89	PageCP01-B4-252	<p><u>Reference:</u> <i>Cold Water Supply Pipe Sizes for Sanitary Wares</i></p> <p>Please provide the typical supply pipe sizes requirement for the various sanitary fixtures connection (e.g. - WC, UR, LAV, SS, SHO). This query is typical for all buildings.</p>	Please refer to Drawing No. NSCR-DWG-TTB-PL-5812 in Book 4 of 11, Page CP01-B4-251 for typical water supply pipe sizes for sanitary fixtures mentioned.
90	PageCP01-B4-252	<p><u>Reference:</u> <i>Meaning of Symbol</i></p> <p>Please specify what the highlighted symbol represents.</p> <p>Please provide the specification or typical details for the symbol for our pricing.</p> <div style="text-align: center;">  </div>	The highlighted symbol represents Air Chamber. Please refer to the drawing in Book 8 of 11, Page CP01-B8-168, Detail No. 5.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot													
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE										
91	PagesCP01-B4-252 to CP01-B4-254	<p><u>Reference:</u> <i>Cold Water Line Sizes</i></p> <p>Please confirm our understanding that the cold waterline sizes shown are the equivalent sizes or outer diameter pipes sizes for PPR or PE pipes. This query is typical for all buildings.</p>	Cold water line sizes shown in plans are nominal diameter sizes. The Contractor shall submit material/sample boards for PPR/PE pipes to the Engineer before installation.										
92	PageCP01-B4-261	<p><u>Reference:</u> <i>WWTP Capacity</i></p> <p>Please provide the influent flow rate / capacity(m3/day) of waste water treatment plant (WWTP) for our pricing. This query is typical for all stations.</p>	<p>Please refer to the information below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Name of Stations</th> <th style="text-align: center;">Flow Rate/Capacity</th> </tr> </thead> <tbody> <tr> <td>Tutuban and Caloocan</td> <td style="text-align: center;">43 m3/day</td> </tr> <tr> <td>Solis, Valenzuela and Meycauayan</td> <td style="text-align: center;">24 m3/day</td> </tr> <tr> <td>Marilao</td> <td style="text-align: center;">17 m3/day</td> </tr> <tr> <td>Bocaue</td> <td style="text-align: center;">11m3/day</td> </tr> </tbody> </table>	Name of Stations	Flow Rate/Capacity	Tutuban and Caloocan	43 m3/day	Solis, Valenzuela and Meycauayan	24 m3/day	Marilao	17 m3/day	Bocaue	11m3/day
Name of Stations	Flow Rate/Capacity												
Tutuban and Caloocan	43 m3/day												
Solis, Valenzuela and Meycauayan	24 m3/day												
Marilao	17 m3/day												
Bocaue	11m3/day												
93	PageCP01-B4-262	<p><u>Reference:</u> <i>Sanitary Waste Pipe Discharge</i></p> <p>Please confirm if it is the designer's intention to discharge all waste water (WP) from lavatories, floor drains, shower drains, slope sink and the likes directly to the storm drainage via drainage manhole (DMH), as shown on the bidding drawings. This query is typical for all stations.</p>	Yes, the Bidder's understanding is correct.										
94	Pages CP01-B4-270, to CP01-B4-272 and CP01-B4-274, Drawing Nos. NSCR-DWG-TTB-FS-6601, NSCR-	<p><u>Reference:</u> <i>Pipes sizes from Pump room</i></p> <p>Please provide pipe size from pump room to main riser to main distribution line.</p>	The Contractor shall submit its proposal together with the necessary documents to the Engineer for its review/approval prior to the commencement of the Works as per GS 100, Clause 120.4.3.										

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>DWG-TTB-FS-6608, NSCR-DWG-TTB-FS-6611 and NSCR-DWG-TTB-FS-6621;</p> <p>Pages CP01-B4-535 to CP01-B4-537, CP01-B4-539, Drawing Nos. NSCR-DWG-SOL-FS-6601, NSCR-DWG-SOL-FS-6608, NSCR-DWG-SOL-FS-6611, and NSCR-DWG-SOL-FS-6621</p> <p>Book 5 of 11, Pages CP01-B5-237, CP01-B5-238 and CP01-B5-240, Drawing Nos. NSCR-DWG-CAL-FS-6601, NSCR-DWG-CAL-6611 and NSCR-DWG-CAL-6621;</p> <p>Pages CP01-B5-493 to CP01-B5-497, Drawing Nos. NSCR-DWG-VAL-FS-6601, NSCR-DWG-VAL-FS-6608, NSCR-DWG-VAL-FS-</p>		

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>6611, NSCR-DWG-VAL-FS-6614, NSCR-DWG-VAL-FS-6621</p> <p>Book 6 of 11, Pages CP01-B6-257 to CP01-B6-261, Drawing Nos. NSCR-DWG-MEY-FS-6601, NSCR-DWG-MEY-FS-6608, NSCR-DWG-MEY-FS-6611, NSCR-DWG-MEY-FS-6614, NSCR-DWG-MEY-FS-6621;</p> <p>Pages CP01-B6-513 to CP01-B6-517, Drawing Nos. NSCR-DWG-MAR-FS-6601, NSCR-DWG-MAR-FS-6608, NSCR-DWG-MAR-FS-6611, NSCR-DWG-MAR-FS-6614, and NSCR-DWG-MAR-FS-6621</p> <p>Pages CP01-B6-754 to CP01-B6-757, Drawing Nos. NSCR-DWG-BOC-FS-6601, NSCR-</p>		

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	DWG-BOC-FS-6611, NSCR-DWG-BOC-FS-6614 and NSCR-DWG-BOC-FS-6621 Tutuban Station Solis Station Caloocan Station Valenzuela Station Meycauayan Station Marilao Station and Bocaue Station		
95	PageCP01-B4-274	<u>Reference:</u> <i>Fire Water Tank Incoming Water Supply</i> Please confirm our understanding that the incoming water supply to fire water tanks is not under fire & plumbing works (TS 600) and is to be priced by others. This query is typical for all stations.	Complete water supply and distribution system shall be provided by the Contractor. This includes water supply to Fire and Domestic Water tank. Please refer to all relevant Technical Specifications and Drawings in the Bidding Documents in this regard.
96	PageCP01-B4-277	<u>Reference:</u> <i>Fire Extinguisher (Clean Agent)</i> Please confirm type of Clean Agent required for the fire extinguisher as shown on the drawings for our pricing. This query is typical for all stations.	Please refer to Fire Code of Philippines in this regard.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
97	<p>Page CP01-B4-277, Drawing No. NSCR-DWG-TTB-FS-6633; Page No. CP01-B4-542, Drawing NSCR-DWG-SOL-FS-6633</p> <p>Book 5, Page No. CP01-B5-243, Drawing No. NSCR-DWG-CAL-FS-6633; Page No. CP01-B5-500, Drawing No. NSCR-DWG-VAL-FS-6633</p> <p>Book 6, Page No. CP01-B6-264, Drawing No. NSCR-DWG-MEY-FS-6633; Page No. CP01-B6-520, Drawing No. NSCR-DWG-MAR-FS-6633; Page No. CP01-B6-760, Drawing No. NSCR-DWG-BOC-FS-6633,</p> <p>Tutuban Station Solis Station Caloocan Station Valenzuela Station</p>	<p><u>Reference:</u> <i>Fire Extinguishers</i></p> <p>Please clarify the capacity of each fire extinguishers for every room/location.</p>	<p>The capacity/weight/size and room location for each fire extinguisher are indicated in the drawings for the Fire Extinguisher Equipment Schedule Sheets 1 and 2.</p> <p>Please also refer to similar drawings of Stations with drawing numbers formatted as NSCR-DWG-(<i>abbreviations of name of station</i>)-FS-6632 and 6633.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Meycauayan Station Marilao Station and Bocaue Station		
98	PagesCP01-B4-464 and CP01-B4-466	<u>Reference:</u> <i>Panel detail</i> Panel PPP-02 is included in layout but is not included in single line diagram, load schedule and distribution board schedule. Please provide it.	Please disregard this Panel PPP-02.
99	PagesCP01-B4-466 and CP01-B4-481	<u>Reference:</u> <i>Solis Station, Feeder System</i> MDB-03 single line diagram does not match with the load schedule. Please confirm which is to be followed.	Please follow the Main Breaker ratings in the Load Schedule as shown in the drawing in Book 4 of 11, Page CP01-B4-466.
100	Page CP01-B4-517, Drawing No. NSCR- DRG-SOL-PL-5821; Page CP01-B4-519, Drawing No. NSCR- DWG-SOL-PL-5833, Solis Station	<u>Reference:</u> <i>Water line pipe sizes</i> Conflict on the pipe sizes of Water Line for Urinals & Water Closet from Isometric layout and Toilet Blow-up plan. Which will prevail?	Blow-up plans will prevail.
101	Page CP01-B4-529, Drawing No. NSCR- DWG-SOL-SN-6104, Solis Station	<u>Reference:</u> <i>Oil Separator detail</i> Kindly give us the details for oil separator.	The details on Oil Separator (plan and section) are already shown in the drawing in Book 4 of 11, Page CP01-B4-529, Drawing No. NSCR-DWG-SOL-SN-6104.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
102	<p>Page CP01-B4-529</p> <p>And</p> <p>Book 5 of 11, Page CP01-B5-487</p>	<p><u>Reference:</u> WWTP Machine Room</p> <p>Please confirm if all WWTP equipment needs to be provided inside the machine rooms?</p> <p>If "Yes", please provide detailed plan drawing for our costing purposes.</p> <p>This query is typical for all stations.</p>	<p>No. Please refer to the WWTP and Sections for the location of WWTP Equipment.</p>
103	<p>Pages CP01-B4-539 and CP01-B4-540, Drawing Nos.</p> <p>NSCR-DWG-SOL-FS-6621 and NSCR-DWG-SOL-FS-6631</p> <p>Book 5 of 11, Pages CP01-B5-240 and CP01-B5-241, Drawing Nos. NSCR-DWG-CAL-FS-6621 and NSCR-DWG-CAL-6631</p> <p>Book 6 of 11, Pages CP01-B6-261 CP01-B6-262, Drawing Nos. NSCR-DWG-MEY-FS-6621 and NSCR-DWG-</p>	<p><u>Reference:</u> <i>Pump Capacity</i></p> <p>Pump Capacity at Pump Room Schematic Diagram is conflict with Equipment Schedule. Which will prevail?</p>	<p>The Equipment Schedule will prevail. The typical Fire pump capacity for all stations is 940 LPM.</p> <p>The Contractor shall submit its proposal on the pump equipment selection together with the necessary documents to the Engineer for its review/approval prior to commencement of the Works as per GS 100, Clause 120.4.3.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>MEY-FS-6631;</p> <p>Pages CP01-B6-517 and CP01-B6-518, Drawing Nos. NSCR-DWG-MAR-FS-6621 and NSCR-DWG-MAR-FS-6631;</p> <p>Pages CP01-B6-757 and CP01-B6-758, Drawing Nos. NSCR-DWG-BOC-FS-6621 and NSCR-DWG-BOC-FS-6631</p> <p>Solis Station, Caloocan, Station Meycauayan, Station Marilao Station and Bocaue Station</p>		
<i>Book 5 of 11</i>			
104	Pages CP01-B5-172 and CP01-B5-174	<p><u>Reference:</u> <i>Panel detail</i></p> <p>Panel LPC-06B is included in layout but is not included in single line diagram, load schedule and distribution board schedule. Please provide it.</p>	Please disregard Panel LPC-06B.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
105	PageCP01-B5-185, Sample from Caloocan	<p><u>Reference:</u> <i>Lighting System</i></p> <p>Refer to detail ‘A’ provided. Please confirm which detail (A, B and C) is 10%, 50% and 100% illumination level respectively. All details are marked as ‘A’.</p> <p>This query is typical for all buildings.</p>	The details shall be read as A, B, C from left to right.
106	Pages CP01-B5-188 and CP01-B5-190	<p><u>Reference:</u> <i>Panel detail</i></p> <p>Please provide layout location for panels MDB-05, LPUC-01 and LPUC-02.</p>	Please refer to the drawing in Book 5 of 11, Page CP01-B5-177.
107	PagesCP01-B5-188 and CP01-B5-190	<p><u>Reference:</u> <i>Panel detail</i></p> <p>Panels LPG-01, LPG-02, PPC-02, LPC-26, and LPC-27 are included in layout but are not included in single line diagram, load schedule and distribution board schedule. Please provide them.</p>	Panels LPG-01, LPG-02, PPC-02, LPC-26, and LPC-27 are non-existent in the drawings referred to by the Bidder. However, Panels LPC-26 and 27 are in Book 5 of 11 Pages CP01-B5-174 and CP01-B5-187.
108	Pages CP01-B5-189 and CP01-B5-174	<p><u>Reference:</u> <i>Caloocan Station – Feeder System</i></p> <p>MDB-04 & MBD-05 load schedules do not match with single line diagram. Please clarify which is to be followed in the event of discrepancies.</p>	Please follow the single-line diagram in Book 5 of 11, Page CP01-B5-174.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
109	PagesCP01-B5-423 and CP01-B5-425	<p><u>Reference:</u> <i>Panel detail</i></p> <p>Please provide layout location and load schedule for panels LPC-03, LPC-04, LPC-05 and LPC-06.</p>	LPC-03 is for Telecom System; LPC-04 is for Signaling; LPC-05 is for AFC and LPC-06 is for SCADA.
110	PagesCP01-B5-424 and CP01-B5-425	<p><u>Reference:</u> <i>Sample from Valenzuela Station-Grounding</i></p> <p>Wiring schedule shows cable type THHN for grounding and detail drawing shows TW wires. May we use TW wires in lieu of THHN wires for all grounding cables?</p>	Yes, the use of TW wires in lieu of THHN wires for the grounding cable is permitted.
111	Pages CP01-B5-440 and CP01-B5-425	<p><u>Reference:</u> <i>Valenzuela Station – Feeder System</i></p> <p>MDB-04 & MBD-05 load schedules do not match with single line diagram. Please clarify which is to be followed in the event of discrepancies.</p>	Main Breakers for MDB-04 and MDB-05 shall be as shown in Book 5 of 11, Page CP01-B5-425.
112	Page CP01-B5-440	<p><u>Reference:</u> <i>Valenzuela Station – Feeder System</i></p> <p>MDB-04 - Load Schedule Main circuit breaker is 200AF/125AT but branch circuit breaker is 1000AF/200AT. This may be a typographical error. Please provide correct breaker rating.</p>	The main Circuit Breaker Rating for MDB-04 shall be as shown in Book 5 of 11, Page CP01-B5-425.
113	PagesCP01-B5-441 and CP01-B5-443	<p><u>Reference:</u> <i>Valenzuela Station- Lighting System</i></p> <p>There are 20 circuits homerun to LPG-02 but in the</p>	Ckt's. no.1 to 10 shall be connected to Panel LPG-02 and ckt's. nos. 11 to 20 shall be connected to Panel LPG-01.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		load schedule LPG-02 only have 10 circuits for lighting. Please confirm which is correct and amend the related drawings.	
114	Pages CP01-B5-442 and CP01-B5-437	<p><u>Reference:</u> <i>Valenzuela Station – Feeder System</i></p> <p>LPC-07 load schedules do not match with single line diagram.</p> <p>Please clarify which is to be followed in the event of discrepancies.</p>	Please follow the Main Breaker in the Single Line Diagram in Book 5 of 11, Page CP01-B5-425.
115	Page CP01-B5-442	<p><u>Reference:</u> <i>Valenzuela Station – Feeder System</i></p> <p>LPC-08 - Load schedule branch circuit breakers are 1000AF. This may be a typographical error. Please provide correct breaker rating.</p>	Lower Ampere Frame Rating will be acceptable.
116	Pages. CP01-B5-476 and CP01-B5-477, Drawing Nos. NSCR-DWG-VAL-PL-5831 to NSCR-DWG-VAL-PL-5833; Pages CP01-B5-222 to CP01-B5-223, Drawing Nos. NSCR-DWG-CAL-PL-5831 to NSCR-DWG-CAL-PL-	<p><u>Reference:</u> <i>Ostomate Fixture</i></p> <p>Kindly give us the mounting detail and pipe sizes of sanitary and waterline stubout for Ostomate Fixture</p>	The Contractor shall submit its proposal reflecting mounting details of ostomate fixtures as well as stub-out sizes and other related documents to the Engineer for its review/approval prior to installation.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>5833</p> <p>Book 6 of 11, Pages CP01-B6-494 and CP01-B6-495, Drawing Nos. NSCR-DWG-MAR-PL-5831 and NSCR-DWG-MAR-PL-5833;</p> <p>Pages CP01-B6-739 and CP01-B6-740, Drawing Nos. NSCR-DWG-BOC-PL-5831 and NSCR-DWG-BOC-PL-5833;</p> <p>Book 4 of 11, Page CP01-B4-254, Drawing No. NSCR-DWG-TTB-PL-5831;</p> <p>Pages CP01-B4-518 to CP01-B4-519, Drawing Nos. NSCR-DWG-SOL-PL-5831 and NSCR-DWG-SOL-PL-5833</p> <p>Tutuban Station</p>		

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Solis Station Caloocan Station Valenzuela Station Marilao Station Bocaue Station		
117	<p>Pages CP01-B5-476 to CP01-B5-477, Drawing Nos. NSCR-DWG-VAL-PL-5831 and NSCR-DWG-VAL-PL-5833</p> <p>Pages CP01-B5-222-223, Drawing Nos. NSCR-DWG-CAL-PL-5831 and NSCR-DWG-CAL-PL-5833</p> <p>Book 6 of 11, Pages CP01-B6-494 and CP01-B6-495, Drawing Nos. NSCR-DWG-MAR-PL-5831 to NSCR-DWG-MAR-PL-5833;</p> <p>Pages CP01-B6-739 to CP01-B6-740, Drawing Nos. NSCR-DWG-BOC-PL-5831 and</p>	<p><u>Reference:</u> <i>Type of water closet</i></p> <p>Conflict on the type of water closet to be used, As per plan, stubout for water closet is 25mm which is for flush valve type and as per technical specification section 614.3.4 Fixture connection sizes. But as per drawing, tank type is reflected. Please confirm which will prevail?</p>	<p>Tank Type water closets to be used are those reflected in all architectural details [Drawing Nos. NSCR-DWG-TTB-AR-3271 (Book 4 of 11, Page CP01-B4-058), NSCR-DWG-SOL-AR-3271 (Book 4 of 11, Page CP01-B4-332), NSCR-DWG-CAL-AR-3271 (Book 5 of 11, Page CP01-B5-054), NSCR-DWG-VAL-AR-3271 (Book 5 of 11, Page CP01-B5-298), NSCR-DWG-MAR-AR-3271 (Book 6 of 11, Page CP01-B6-321) and NSCR-DWG-BOC-AR-3271 (Book 6 of 11, Page CP01-B6-572)].</p> <p>Water line stub-out for tank type water closet is 13mmØ.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>NSCR-DWG-BOC-PL-5833</p> <p>Book 4 of 11, Page CP01-B4-254, Drawing Nos. NSCR-DWG-TTB-PL-5831;</p> <p>Pages CP01-B4-518 and CP01-B4-519, Drawing Nos. NSCR-DWG-SOL-PL-5831 and NSCR-DWG-SOL-PL-5833</p> <p>Tutuban Station Solis Station Caloocan Station Valenzuela Station Meycauayan Station Marilao Station Bocaue Station</p>		
118	<p>PageCP01-B5-484</p> <p>And</p> <p>Book 8 of 11, Page CP01-B8-175</p>	<p><u>Reference:</u> <i>WWTP Plan Drawing No. for Reference Section</i></p> <p>Please provide the reference drawing number for the WWTP section details shown. This query is typical for all stations.</p>	<p>WWTP Sections are already show in Drawing No. NSCR-DWG-VAL-SN-6021 in Book 5 of 11, Page P01-B5-484.</p> <p>For WWTP Plan and Sections and its details, please refer to Pages CP01-B8-178 and CP01-B8-175, respectively.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
119	Page CP01-B5-484	<p><u>Reference:</u> <i>Waste Water Treatment Tanks</i></p> <p>Please provide material specifications for Waste Water Treatment Plant's (WWTP) tanks (Equalization Tank, Disinfection Tank, Sludge Storage, etc.). This query is typical for all buildings.</p>	Please refer to TS 600, Clause 618 for WWTP specifications.
120	<p>Page CP01-B5-487, Drawing No. NSCR-DWG-VAL-SN-6104;</p> <p>Page CP01-B5-230, Drawing No. NSCR-DWG-CAL-SN-6104</p> <p>Book 6 of 11, Page CP01-B6-251, Drawing No. NSCR-DWG-MEY-SN-6104;</p> <p>Page CP01-B6-506, Drawing No. NSCR-DWG-MAR-SN-6104;</p> <p>Page CP01-B6-749, Drawing No. NSCR-DWG-BOC-SN-6104</p> <p>Book 4 of 11, Page</p>	<p><u>Reference:</u> <i>Tapping to STP</i></p> <p>Kindly confirm if waste pipe will not tapped to STP</p>	Waste pipes from lavatories and floor drains will tap directly to storm drainage.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>CP01-B4-264, Drawing No. NSCR-DWG-TTB-SN-6104;</p> <p>Page CP01-B4-529, Drawing No. NSCR-DWG-SOL-SN-6104</p> <p>Tutuban Station Solis Station Caloocan Station Valenzuela Station Meycauayan Station Marilao Station Bocaue Station</p>		
121	<p>Page CP01-B5-487, Drawing No. NSCR-DWG-VAL-SN-6104;</p> <p>Page CP01-B5-230, Drawing No. NSCR-DWG-CAL-SN-6104</p> <p>Book 6 of 11, Page CP01-B6-251, Drawing No. NSCR-DWG-MEY-SN-6104;</p> <p>Page CP01-B6-506, Drawing No. NSCR-</p>	<p><u>Reference:</u> <i>Sump Pump Schedule</i></p> <p>Kindly give us the details/schedule for sump pumps (submersible) for elevator pit</p>	<p>Each elevator sump pit shall have one (1) unit portable sump pump with 0.5 HP capacity 230V/60Hz/Single Phase. The discharge will be at the nearest catch basin.</p> <p>The Contractor shall submit proposal for elevator sump pumps for the Engineer's approval before the installation of equipment.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>DWG-MAR-SN-6104;</p> <p>Page CP01-B6-749, Drawing No. NSCR-DWG-BOC-SN-6104</p> <p>Book 4, Page CP01-B4-264, Drawing No. NSCR-DWG-TTB-SN-6104</p> <p>Book 4 of 11, Page CP01-B4-529, Drawing No. NSCR-DWG-SOL-SN-6104</p> <p>Tutuban Station Solis Station Caloocan Station Valenzuela Station Meycauayan Station Marilao Station Bocaue Station</p>		
122	<p>Page CP01-B5-488, Drawing No. NSCR-DWG-VAL-SN-6106, Valenzuela Station</p>	<p><i>Reference:</i> <i>Kitchen Waste pipe</i></p> <p>Kindly confirm if Kitchen waste pipe will tap to soil pipe instead of waste pipe.</p>	<p>Yes. Sanitary stub-out for kitchen shall connect to soil pipe.</p>
<i>Book 6 of 11</i>			

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
123	Pages CP01-B6-190 and CP01-B6-205	<p><u>Reference:</u> <i>Meycauayan Station – Feeder System</i></p> <p>MDB-01, MDB-02 & MDB-04 load schedules do not match with single line diagram.</p> <p>Please clarify which is to be followed in the event of discrepancies.</p>	For Meycauayan Station, follow the breaker ratings and cable sizes shown in Book 6 of 11, Page CP01-B6-214, Drawing No. NSCR-DWG-MEY-EL-5161.
124	Pages CP01-B6-199 and CP01-B6-206	<p><u>Reference:</u> <i>Meycauayan Station – Feeder System</i></p> <p>LPC-02 & LPUC-02 load schedules do not match with single line diagram. Please clarify which is to be followed in the event of discrepancies</p>	Please follow the Single Line Diagram in Book 6 of 11, Page CP01-B6-199.
125	Pages CP01-B6-200 and CP01-B6-206	<p><u>Reference:</u> <i>Meycauayan Station – Feeder System</i></p> <p>LPP-01 & LPP-02 load schedules do not match with single line diagram.</p> <p>Please clarify which is to be followed in the event of discrepancies</p>	Please follow the Main Breakers for LPP-01 and LPP-02 as shown in the Single Line Diagram in Book 6 of 11, Page CP01-B6-190.
126	Page CP01-B6-203	<p><u>Reference:</u> <i>Meycauayan Station – Feeder System</i></p> <p>Main CB of LPC-18 is 100AF/150AT. Should this read '150AF/100AT'? Please confirm.</p>	No. It shall be read as 100AF/50AT.
127	Page CP01-B6-203	<p><u>Reference:</u> <i>Meycauayan Station – Feeder System</i></p>	No. The Main Breaker shall be read as 100AF/60AT.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		Main CB 100AF/30AT while Branch CB's are 2 x 50AT of LPC-19 Distribution Board Schematic Should this read '100AF/30AT'? Please confirm.	
128	Page CP01-B6-203	<u>Reference:</u> <i>Meycauayan Station – Feeder System</i> LPC-18 - Main Circuit breaker is 150AT/100AF. AT is bigger than AF. This may be a typographical error. Please provide correct breaker rating.	No. It shall be read as 100AF/50AT.
129	Page CP01-B6-203	<u>Reference:</u> <i>Meycauayan Station – Feeder System</i> LPC-19 - Main Circuit breaker is 30AT/100AF while branch breakers are 50AT x 2. This may be a typographical error. Please provide correct breaker rating.	Branch Breakers shall be 20AT/100AF.
130	Page CP01-B6-203	<u>Reference:</u> <i>Marilao Station – Feeder System</i> Please provide load schedule for MDB-01 to MDB-05.	For Marilao Station, please refer to Drawing No. NSCR-DWG-MAR-EL-5161 (Electrical Cable Schedule) in Book 6 of 11, Page CP01-B6-468 with the following corrections: a. MDB-01 Main CB shall be 300AT/400AF; b. MDB-02 Main CB shall be 300AT/400AF; and c. MDB-05 Main CB shall be 200AT/400AF.
131	Page CP01-B6-207	<u>Reference:</u> <i>Meycauayan Station – Feeder System</i> LPC-10 Load Schedule - Main Circuit breaker is 50AF only while branch circuit breakers are 100AF.	For Panel LPC-10, the breaker rating is as follows: Main CB:100AF/50AT, 4P Br.: 8 – 20AT, 1P

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		This may be a typographical error. Please provide correct breaker rating.	
132	Page CP01-B6-207	<u>Reference:</u> <i>Meycauayan Station – Feeder System</i> LPC-22 Load Schedule - Main Circuit breaker is 20AT/50AF while Branch circuit breakers are 100AT/1000AF x 4, 30AT/100AF x 4, 50AT/100AF x 2. This may be a typographical error. Please provide correct breaker rating.	For Panel LPC-22, the breaker rating is as follows: Main:100AF/70AT, 4P Br.: 2-50AT; 2-30AT; 6-20AT, 1P
133	PageCP01-B6-211	<u>Reference:</u> <i>Meycauayan Station – Receptacle System</i> Please provide circuit homerun for receptacle system.	For Meycauayan Station, the receptacle system shall be connected to ckts. # 4 & 5 of Panel LPC-02 as reflected in the Load Schedule in Book 6 of 11, Page CP01-B6-707.
134	Page CP01-B6-228	<u>Reference:</u> <i>Wall Louver (Meycauayan Station)</i> Please clarify dimensions of wall louver at Railway Electrical Room.	Both Architectural and Mechanical drawings shall be followed. However, in case of any discrepancies during implementation period, the same shall be communicated to the Engineer for further action.
135	PageCP01-B6-232, Sample for Meycauayan Station	<u>Reference:</u> <i>Air Conditioning Unit (All Seven Stations)</i> Please confirm if all air conditioning units (ACU) at all seven (7) stations will be Precision Air conditioning Unit (PACW) as stated in the drawing notes. This query is typical for all stations.	Please refer to the Equipment Schedule for each station instead of the notes in the drawings.
136	PagesCP01-B6-245 and	<u>Reference:</u>	Floor Drain typical size as reflected in Toilet Blow-up plan is

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	CP01-B6-252	<p><i>Floor Drain & Cleanout Sizes (All 7-Stations)</i></p> <p>Please provide exact floor drain and floor cleanout sizes in layout drawings.</p> <p>This query is typical for all stations.</p>	<p>50mmØ.</p> <p>Floor Clean-out fitting size depends on the size of pipe it is connected to as indicated in the Toilet Blow-up plan.</p>
137	PageCP01-B6-246	<p><u>Reference:</u> <i>Condensate Pipe Stack (All 7-Stations)</i></p> <p>Please provide tapping details of condensate pipe stack to outdoor catch basin.</p> <p>This query is typical for all stations.</p>	<p>Condensate pipe stack tapping detail is the same as tapping of downspout to outdoor catch basins. Please refer to the drawing in Book 6 of 11, Page CP01-B6-008 for the connection of downspout to catch basin.</p>
138	PageCP01-B6-246	<p><u>Reference:</u> <i>Elevator Sump Pump (All 7-Stations)</i></p> <p>Please confirm if elevator sump pit pumps are required in all stations.</p> <p>If pumps are required, please provide the pump specification and capacity for our estimation.</p> <p>This query is typical for all stations.</p>	<p>Each elevator sump pit shall have one (1) unit portable sump pump with 0.5 HP capacity 230V/60Hz/Single Phase. The discharge will be at the nearest catch basin.</p>
139	PageCP01-B6-261, Sample for Meycauayan Station	<p><u>Reference:</u> <i>Fire Water Tank (All Stations)</i></p> <p>Please provide dimensional detail (Length x Width x Height) for fire water tanks at all stations.</p> <p>This query is typical for all stations.</p>	<p>The Contractor shall submit the dimension of the fire water tank for all stations in the shop drawing considering the capacity as 60 cu. Meters.</p>
140	Page CP01-B8-362	<p><u>Reference:</u> <i>Rain Drainage and Sprinkler Pump (Depot External)</i></p>	<p>For Detention Basin 1 Drainage Pump (22KW, 400VAC, 3Ph, 60Hz) x 4 Nos.</p> <p>For Detention Basin 2 Drainage Pump - (15KW, 400VAC, 3Ph,</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		<p>Please provide capacity of the following pumps: -Rain Drainage Pump (15KW, 400VAC, 3Ph, 60Hz) x 4 Nos -Rain Drainage Pump (22KW, 400VAC, 3Ph, 60Hz) x 4 Nos -Sprinkler Pump No.1 (90KW, 400VAC, 3Ph, 60Hz) -Sprinkler Pump No.2 (37.5KW, 400VAC, 3Ph, 60Hz)</p>	<p>60Hz) x 4 Nos.</p> <p>The Bidder shall work out Total Dynamic Head based on the specifications shown in the Equipment schedule in the drawings,</p> <p>The Contractor shall submit shop drawing of detention basin sump pumps for the Engineer’s approval before equipment installation.</p>
141	PagesCP01-B6-442 and CP01-B6-444	<p><u>Reference:</u> <i>Panel detail</i></p> <p>Please provide layout location for panels LPC-28, LPC-29, LPC-30, LPC-31, and LPC-32.</p>	<p>The location of LPC-28 and LPC-29 is in Ground Floor. Please disregard Panels 30, 31 and 32.</p> <p>LPC-30, LPC-31 and LPC-32 are Fire Pump and Jockey Pump which will have a separate supply from Utility service connection, Article 6.9.5 PEC.</p>
142	PagesCP01-B6-442 and CP01-B6-444	<p><u>Reference:</u> <i>Panel detail</i></p> <p>Panels LPC-37, LPC-38, LPC-39, and LPC-40 are included in layout but are not included in single line diagram, load schedule and distribution board schedule. Please provide them.</p>	<p>Please disregard LPC-37, LPC-38, LPC-39 and LPC-40. The equipment label shall be LPC-28 and LPC-29.</p>
143	Pages CP01-B6-444 and CP01-B6-457	<p><u>Reference:</u> <i>Marilao Station – Feeder System</i></p> <p>LPC-18 and LPC-19 load schedules do not match with single line diagram. Please clarify which is to be followed in the event of discrepancies.</p>	<p>For the Main Breakers of Panel LPC-18 and LPC-19, please follow the ratings in Book 6 of 11, Page CP01-B6-457.</p>
144	Pages CP01-B6-444 and CP01-B6-458	<p><u>Reference:</u> <i>Marilao Station – Feeder System</i></p>	<p>For LPC-20 to LPC-28, please follow the details shown in Book 6 of 11, Page CP01-B6-458, but provide 4P Main Breakers.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		LPC-20 to LPC-28 load schedules do not match with single line diagram. Please clarify which is to be followed in the event of discrepancies.	
145	Pages CP01-B6-457 and CP01-B6-461	<u>Reference:</u> <i>Marilao Station – Feeder System</i> LPC-16 & LPC-17 load schedules do not match with single line diagram. Please clarify which is to be followed in the event of discrepancies.	For the Main Breakers of LPC-16 and LPC-17, please follow the Load Schedule in Book 6 of 11, Page CP01-B6-461.
146	Page CP01-B6-457	<u>Reference:</u> <i>Marilao Station – Feeder System</i> Branch CB of LPC-30 which is 100AT. Main CB is rated at 60AT. This may be a typographical error. Please provide correct breaker rating.	Spare Breaker for LPC-30 should be rated at 50AT.
147	Page CP01-B6-461	<u>Reference:</u> <i>Marilao Station – Feeder System</i> LPC-13 Load Schedules - branches have 1000AF breakers. We presume this should read '100AF'. Please confirm. Please provide correct breaker rating, if otherwise.	The use 100AF for the Branch Circuit Breakers of Panel LPC-13 is confirmed.
148	Page CP01-B6-505 and CP01-B6-506	<u>Reference:</u> <i>Downspout (Marilao Station)</i> Schematic shows downspout size is 100mmØ while the layout shows a size of 150mmØ. Please confirm which is to be followed.	Please use 150mmØ.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
149	PageCP01-B6-505	<p><u>Reference:</u> <i>Downspout Connection (All 7-Stations)</i></p> <p>Please provide connection details of downspout to catch basin. This query is typical for all stations.</p>	Please refer to the drawing in Book 6 of 11, Page CP01-B6-008 for connection of downspout to catch basin.
150	Page No. CP01-B6-514, Drawing No. NSCR-DWG-MAR-FS-6608, Marilao Station	<p><u>Reference:</u> <i>Piping layout to fire department connection</i></p> <p>Please provide pipe lay-out going to fire department connection</p>	<p>Please refer to similar drawings with drawing numbers formatted as NSCR-DWG-(<i>abbreviation of name of station</i>)-FS-6601 for the Layout going to the Fire Dept. Connection from the adjacent FHC-1 on the Fire Water Schematic Layout.</p> <p>The Contractor shall submit its proposal along with necessary documents to the Engineer for its review/approval prior to commencement of the Works as per GS 100, Clause 120.4.3.</p>
151	PagesCP01-B6-689 and CP01-B6-691	<p><u>Reference:</u> <i>Panel detail</i></p> <p>Please provide layout location for panels LPC-18, LPC-19, LPC-20, and LPC-21.</p>	Please refer to the drawing in Book 6 of 11, Page CP01-B6-689.
152	PagesCP01-B6-689 and CP01-B6-691	<p><u>Reference:</u> <i>Panel detail</i></p> <p>Panels LPC-26 is included in layout but is not included in single line diagram, load schedule and distribution board schedule. Please provide it.</p>	Panel LPC-26 shall be connected to MDB-04, Branch #5 and shall be changed to 50AT.
153	Pages CP01-B6-691 and CP01-B6-706	<p><u>Reference:</u> <i>Bocau Station – Feeder System</i></p> <p>MDB-03 & MDB-04 28 load schedules do not match with single line diagram. Please clarify</p>	For Bocau Station, please follow the Single Line Diagram as shown in Book 6 of 11, Page CP01-B6-691, except for Main Breaker of MDB-03 which shall be 600AT.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		which is to be followed in the event of discrepancies.	
154	Pages CP01-B6-703 and CP01-B6-708	<u>Reference:</u> <i>Bocaue Station – Feeder System</i> LPC-07 & LPC-08 load schedules do not match with single line diagram. Please clarify which is to be followed in the event of discrepancies.	Please refer to the load schedule shown in Book 6 of 11, Page CP01-B6-703.
155	Page CP01-B6-704	<u>Reference:</u> <i>Bocaue Station – Feeder System</i> Branch CB of LPC-12 which has 30ATx2 but however, Main CB is rated 20AT. This may be a typographical error. Please provide correct breaker rating.	Main Breaker of Panel LPC-12 shall be rated at 100AF/50AT.
156	Page CP01-B6-704	<u>Reference:</u> <i>Bocaue Station – Feeder System</i> Branch CB's of LPC-19 has 50ATx2. However, main CB is rated 20AT. This may be a typographical error. Please provide correct breaker rating.	The Main Breaker shall be 100AF/60AT.
157	Page CP01-B6-738, Drawing No. NSCR-DWG-BOC-PL-5821, Bocaue Station	<u>Reference:</u> <i>Water Hammer Arrestor</i> Kindly confirm if Bocaue Station only has a provision of Water Hammer Arrestor for Cold Waterline.	No. All stations uses air chamber. The Contractor shall submit its proposal for the Engineer's approval prior to execution of work.
158	Page CP01-B6-749, Drawing No. NSCR-	<u>Reference:</u> <i>Downspout Piping layout</i>	Connection of downspouts to catch basin is reflected in Drawing No. NSCR-DWG-BOC-SN-6102 in Book 6 of 11, Page CP01-B6-

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	DWG-BOC-SN-6104, Bocause station	Kindly provide piping layout of downspout to catch basins and catch basins to catch basins of Concourse level since it is not reflected in the plan.	529 in which it will connect to the catch basins in the site drainage (Drawing Nos. NSCR-DWG-BOC-DR-2002 and 2003 in Book 6 of 11, Pages CP01-B6-527 and CP01-B6-528, respectively). The Contractor shall submit proposal for the Engineer's review/approval before execution of works.
Book 7 of 11			
159	Page CP01-B7-138, Drawing No. NSCR-DWG-DEP-PL-6521; Page CP01-B7-139, Drawing No. NSCR-DWG-DEP-PL-6522; Book 8 of 11, Page CP01-B8-447, Drawing No. NSCR-DWG-OCC-PL-6521; Page CP01-B8-762, Drawing No. NSCR-DWG-WS-PL-6521, OCC bldg. Light repair shop Workshop	<u>Reference:</u> <i>Diameter of pipes</i> Please indicate the corresponding diameter of pipes at the following drawings.	For Discharge Header Pipe: 100mmØ For Pump Suction Header: 100mmØ For Pump Suction to Foot Valve: 75mmØ For Pump inlet & outlet pipe: 50mmØ The Contractor shall submit shop drawing showing the diameters of the pipes for the Engineer's approval before installation of the equipment.
160	Page CP01-B7-139, Drawing No. NSCR-DWG-DEP-PL-6522	<u>Reference:</u> <i>Pump TDH</i> Kindly provide the TDH for Booster Pumps at	The Water Tank Plan reflected on drawings NSCR-DWG-OCC-PL-6521, NSCR-WS-PL-6521 (Book 8 of 11, Pages CP01-B8-447 and CP01-B8-762) and NSCR-DEP-PL-6522 (Book 7 of 11, Page CP01-B7-139) are the same water tank for centralized water

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>Book 8, Page CP01-B8-447, Drawing No. NSCR-DWG-OCC-PL-6521;</p> <p>Page CP01-B8-762, Drawing No. NSCR-WS-PL-6521</p> <p>OCC bldg. Workshop</p>	<p>Valenzuela Depot, OCC and Workshop.</p>	<p>distribution system in the whole depot area. Please refer to Drawing No. NSCR-DWG-DEP-PL-6611 in Book 7 of 11, Page CP01-B7-141 for the location of water tank.</p> <p>The Contractor shall determine TDH of pumps based on the Equipment Schedule provided in Drawing No. NSCR-DWG-DEP-PL-6522 in Book 7 of 11, Page CP01-B7-139. Also, the Contractor should submit the product information of Pumps for Engineer’s approval prior to the installation of the equipment.</p>
161	<p>Page CP01-B7-145</p> <p>And</p> <p>Book 10 of 11, Page CP01-B10-310</p>	<p><u>Reference:</u> <i>Oil Separator MCS/OS-1</i></p> <p>Maintenance Car Shop Oil Separator OS-1 is shown on DWG: CP01-B7-145. But no OS-01 detail provided on DWG: CP01-B10-310. Please provide.</p>	<p>Please refer to the drawing in Book 8 of 11, Page CP01-B8-776 for Oil Separator 1 Detail.</p>
162	<p>Page CP01-B7-181, Drawing No. NSCR-DWG-DB1-ME-6121</p> <p>Page CP01-B7-184, Drawing No. NSCR-DWG-DB2-ME-6121</p> <p>Detention Basin 1 & 2</p>	<p><u>Reference:</u> <i>Detention basin</i></p> <p>In Detention Basin 1 & 2, please provide the following: 1. what are the TDH needed for the required pumps?</p>	<p>1. The Contractor shall determine TDH of pumps based on the Equipment Schedule provided in Book 7 of 11, Page CP01-B7-182, Drawing No. NSCR-DWG-DB1-ME-6121. The Contractor shall also submit the product information of Pumps for the Engineer’s approval prior to installation of equipment.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		2. kindly provide the location of the flow meter. 3. specifications for Ultrasonic Level Transmitter	2. The flow meter should be located inside the valve box and will be installed before the check valve. 3. The Contractor shall submit the necessary documents/product information of Ultrasonic Level Transmitter for the Engineer’s approval prior to installation of equipment.
Book 8 of 11			
163	Pages CP01-B8-005 and CP01-B8-534 And Page TS500-73, Clause 506.6.2.3, 7)	<u>Reference:</u> <i>Steel Checkered Plate</i> Please verify the type of coating for Steel Checkered Plate, as no coating is indicated on drawings: - as per Technical Specification 506.6.2.3 7), coating is zinc chromate primer, but - as per CP01-B8-005 coating is Synthetic Oil Paint on Rustproof Primer Paint.	The Steel Checkered Plate as specified includes the zinc Chromate Primer. The Bidder is advised to comply with the requirements of TS 500, Clause 506.
164	Page CP01-B8-116	<u>Reference:</u> <i>Light Repair Shop – Feeder System</i> Please provide load schedule for LRS-MDB-1 to 4.	Please refer to tabulated data in Book 8 of 11, Page CP01-B8-116.
165	Pages CP01-B8-116, CP01-B8-117 and CP01-B8-119	<u>Reference:</u> <i>Panel Detail</i> Please provide layout location for panels LPE-01, LPE-02, LPE-03, and LPE-04.	Please refer to the drawing in Book 8 of 11, Page CP01-B8-128.
166	Page CP01-B8-116, CP01-B8-117 and CP01-B8-119	<u>Reference:</u> <i>Panel Detail</i> Panels LP13, LP-14, LP-15 and LP-16 are included in layout but are not included in single line	Panels LP-13, LP-14, LP-15 and LP-16 shall be deleted from the layout.

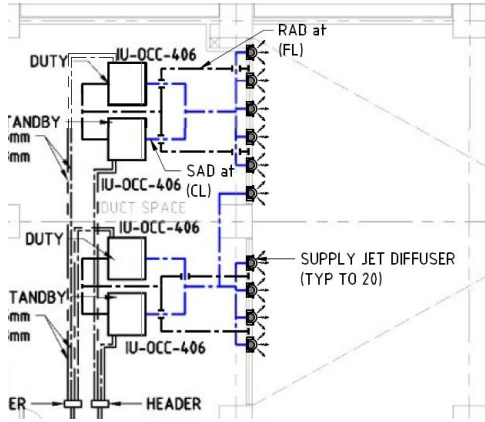
North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		diagram, load schedule and distribution board schedule. Please provide them.	
167	Pages CP01-B8-122 and CP01-B8-123	<p><u>Reference:</u> <i>Lighting System</i></p> <p>i. Please provide specifications for the following lighting fixture: 1x39W LED Lamp with Outlet. ii. Please confirm if this fixture may be locally fabricated.</p>	Please refer to the drawing in Book 8 of 11, Page CP01-B8-122.
168	Pages CP01-B8-122 and CP01-B8-123	<p><u>Reference:</u> <i>Lighting System</i></p> <p>Lighting Fixture Schedule shows 1 x 39W LED Lamp with Outlet. Layout legend shows 2x39W LED Lamp with outlet. Please advise which is to be followed.</p>	The 1 x 39W LED Lamp with Outlet shall be followed.
169	Page CP01-B8-129	<p><u>Reference:</u> <i>Light Repair Shop- Power System Layout</i></p> <p>Please provide specification and dimensions of the following enclosures:</p> <p>i. 1 Phase Outlet Panel) Wall Mounted ii. 3 Phase Outlet Panel) Wall Mounted</p>	The Contractor shall submit shop drawings for the approval of the Engineer.
170	Pages CP01-B8-131, CP-01-B8-396 and CP01-B8-715	<p><u>Reference:</u> <i>Light Repair Shop, Workshop, Small Depot Buildings – BMS System</i></p> <p>Please clarify which areas/utilities and equipment need to be monitored in these buildings (e.g.</p>	Please refer to Book 8 of 11, Page CP01-B8-131 for BMS system diagram for Valenzuela Depot light repair shop. Similar drawings are also included in the Bidding Documents for other depot buildings showing general list of equipment and utility components to be controlled and monitored.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		ventilation fans, air-conditioning, pumps, etc.). This query is typical for all depot buildings except OCC.	Also, the Contractor shall submit shop drawings to the Engineer for approval before execution of works.
171	Page CP01-B8-162, Drawing No. NSCR-DWG-LRS-ME-6202, Light Repair Shop; Page CP01-B8-755, Drawing No. NSCR-DWG-WS-ME-6202, Workshop Building	<u>Reference:</u> <i>Boiler installation</i> Kindly provide details of Boiler Installation for Light Repair Shop and Workshop Building.	The Contractor shall submit its proposal together with the necessary documents to the Engineer for its review/approval prior to the commencement of the Works as per GS 100, Clause 120.4.3.
172	Page CP01-B8-164, Drawing No. NSCR-DWG-LRS-ME-6212, Light Repair Shop	<u>Reference:</u> <i>Fan Schedule</i> SF-LRS-02 was included in the Fan Schedule for Light Repair Shop but not in the drawing. Please provide the location.	Please refer to Drawing Nos. NSCR-DWG-LRS-ME-6101 and NSCR-DWG-LRS-ME-6111 in Book 8 of 11, Pages CP01-B8-151 and CP01-B8-152, respectively, and insert/locate SF-LRS-02 between SF-LRS-01 and EF-LRS-02 slightly off the right corner along gridlines A-2 for the ideal location of the missing supply fan.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot										
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE							
173	Pages CP01-B8-219 and CP01-B8-262 And Volume IA, Bill of Quantities, Pages BOQ-164, BOQ-178 and BOQ-190, BOQ Items D506(1)d and D506(1)b	<p><u>Reference:</u> <i>Railings / Handrails</i></p> <p>Please verify conflict in dimension of handrails & railings:</p> <p style="padding-left: 40px;">BOQ Item D(1)d : 32mmØ post and handrail, H=1100mm</p> <p style="padding-left: 40px;">CP01-B8-219 : 38mmØ handrail & 32mmØ railing post</p> <p style="padding-left: 40px;">BOQ Item D(1)b : 32mmØ post and handrail CP01-B8-262 : 50mmØ</p>	<p>With regard to the drawing in Book 8 of 11, Page CP01-B8-219: 38mmØ handrail & 32mmØ railing post x 1100mm high is correct. Please use Pay Item D506(1)d.1.</p> <p>With regard to the drawing in Book 8 of 11, Page CP01-B8-262, please consider 50mmØ for railing, 38mmØ for Sub-rail and post. Please use Pay Item D506(1)c.</p> <p>The Bidder is advised to insert Pay item D506(1)d.1 and retain D506(1)c in the BOQ for the above items.</p> <p>The items below in Page BOQ-178 are revised:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">D506(1)d. <u>1</u></td> <td style="width: 60%;">Stainless Steel Railing; 3832mmØ post and handrail, H=1100mm (Furnished, Fabricated & Installed)</td> <td style="width: 10%; text-align: center;">1.m.</td> <td style="width: 15%; text-align: center;">3,553.00</td> </tr> </table> <p>The item below in Page TS500-83 is revised as follows:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">D506(1)d. <u>1</u></td> <td style="width: 60%;">Stainless Steel Railing; 3832mmØ post and handrail, H=1100mm (Furnished, Fabricated & Installed)</td> <td style="width: 25%; text-align: center;">Linear meter</td> </tr> </table>	D506(1)d. <u>1</u>	Stainless Steel Railing; 38 32mmØ post and handrail, H=1100mm (Furnished, Fabricated & Installed)	1.m.	3,553.00	D506(1)d. <u>1</u>	Stainless Steel Railing; 38 32mmØ post and handrail, H=1100mm (Furnished, Fabricated & Installed)	Linear meter
D506(1)d. <u>1</u>	Stainless Steel Railing; 38 32mmØ post and handrail, H=1100mm (Furnished, Fabricated & Installed)	1.m.	3,553.00							
D506(1)d. <u>1</u>	Stainless Steel Railing; 38 32mmØ post and handrail, H=1100mm (Furnished, Fabricated & Installed)	Linear meter								
174	Page CP01-B8-362	<p><u>Reference:</u> <i>OCC Building</i></p> <p>Please clarify if the power and control cabling work of the items below are part of TS-700 scope</p>	<p>Yes. Power and control cabling works are within the Scope of Works of the CP01 Contractor.</p>							

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		of works as per this drawing. - Rain Drainage Pump - Sewage Treatment Plant - Water Tank Pump - Sprinkler Pump - Water Supply Pump	
175	Pages CP01-B8-363 to CP01-B8-365 and CP01-B8-367	<u>Reference:</u> <i>OCC Building – Feeder System</i> Please provide load schedule for OCC-MDP-1 to 6 and OCC-MDPE-1 to 4.	Please refer to the tabulated data in Book 8 of 11, Pages CP01-B8-365 and CP01-B8-367.
176	Page CP01-B8-364, Drawing No. NSCR-DWG-OCC-EL-5022, OCC bldg.	Kindly confirm if the transfer switch (@1000A MCCB & 400A MCCB) on OCC Single Line sheet 2 are manual(MTS) or automatic(ATS). If ATS, is this mechanical or electrically interlock.	Yes. It is ATS and electrically interlocked.
177	Page CP01-B8-364	<u>Reference:</u> <i>OCC Building UPS</i> Please confirm if UPS shown on OCC-MDPE-04 single line diagram is under TS-700 scope of works. If yes, please provide layout and location of these UPS.	No, the UPS shown on MDPE-04 in Book 8 of 11, Page CP01-B8-364 is not within the Scope of Works of the CP01 Contractor.
178	Page CP01-B8-366, Drawing No. NSCR-DWG-OCC-EL-5031, Valenzuela Depot	<u>Reference:</u> <i>Scope of work</i> Please confirm if Generator Set and Transformer is part of our scope Valenzuela depot. If yes, please provide technical specifications and equipment	Generator Set and Transformer are not within the CP01 Scope of Work. However, necessary interface shall be done with other interfacing Contractors by the CP01 Contractor.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		schedule.	
179	Pages CP01-B8-382 to CP01-B8-389, CP01-B8-702 to CP01-B8-710, CP01-B8-122 to CP01-B8-127 And CP01-B9-051 to CP01-B9-053 and CP01-B9-105, etc.	<u>Reference:</u> <i>Lighting Fixture Specification</i> Please provide wattage, lumen requirement and enclosure type of lighting fixture symbols shown in the lighting fixture legend and schedule. (Some lighting fixtures in the schedule and legend do not match with lighting fixtures shown in architecture reflected ceiling plan). This query is typical for all buildings.	Architecture reflected ceiling plan shall be followed for lighting fixture. Ratings for all the Lighting Fixture are mentioned in the Legend on each Drawings.
180	Pages CP01-B8-396 to CP01-B8-401	<u>Reference:</u> <i>OCC Building – Communication System</i> Please provide specifications for fiber optic cable (type, number of cores) shown in schematic and legend,	The Contractor shall propose the type and number of cores of fiber optic cables in the shop drawings for the approval of the Engineer.
181	Page CP01-B8-397	<u>Reference:</u> <i>Communication system, OCC Building</i> Please confirm if the Security Control Work Station and CCTV control Work Station will be part of TS-700 Electrical Scope of works. If so, please provide complete drawings and riser diagram for these systems.	All the CCTV location has been shown on the drawing. The Contractor shall submit shop drawings showing all the connections required.
182	Pages CP01-B8-397 to CP01-B8-401	<u>Reference:</u> <i>OCC Building – Communication System</i> Please provide riser diagram for CCTV System,	There is no riser diagram. However, CCTV connections are clearly shown in the drawings in Book 8 of 11, Pages CP01-B8-397 to CP01-B8-401.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		Door Access System and CATV System.	
183	Page CP01-B8-412	<p><u>Reference:</u> <i>OCC Building Panel</i></p> <p>Please confirm if the panel and essential loads supply to outdoor pumps shown is under TS-700 scope of works. (This panel is not tagged in the drawing).</p>	Yes. The panel and essential loads supply to outdoor pumps are within the Scope of Works of the CP01 Contractor.
184	Page CP01-B8-436, Drawing No. NSCR- DWG-OCC-ME-6191, OCC building	<p><u>Reference:</u> <i>Duct size required</i></p> <p>Please provide the duct size for IU-OCC-406 and Supply Jet Diffuser Size</p>  <p>The diagram shows a vertical duct space containing four IU-OCC-406 units. Each unit has a 'DUTY' and 'TANDBY' section. A 'HEADER' is at the bottom. On the right side, there are 'RAD at (FL)', 'SAD at (CL)', and 'SUPPLY JET DIFFUSER (TYP TO 20)' components. Dimensions for 'DUTY' and 'TANDBY' are indicated as 'mm'.</p>	Referring to the other relevant drawings on the A/C system layouts, the duct sizes for the SAD and RAD for IU-OCC-406 shall be 300 mm. dia. for the mains/headers and 250 mm. dia. for the branches. The Supply Jet Diffuser size would be 250 mm. dia., typ. to 20.
185	Pages CP01-B8-440 to Pages CP01-B8-441, Sample from OCC	<p><u>Reference:</u> <i>2 Speed Fans</i></p>	Yes, the Contractor may propose single-speed fans in lieu of 2-speed fans, based on the manufacturer's recommendation and selection.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Building	Please confirm whether we may propose single speed fans in lieu of 2 speed fans for Ceiling Mount type fans based on manufacturer’s recommendation and selection. This query is typical for all depot buildings.	The Contractor shall submit its proposal together with shop drawings to the Engineer for its review/approval prior to works execution as per GS 100, Clause 120.4.3.
186	Page CP01-B8-441, Drawing No. NSCR-DWG-OCC-ME-6214, Valenzuela Depot	<u>Reference:</u> <i>Fan</i> If there are conflict between the schedule and drawing. What type of fan will govern, in the fan schedule or in the drawing?	Please follow the Fan Schedule.
187	Page CP01-B8-443, Drawing No. NSCR-DWG-OCC-ME-6216, Valenzuela Depot	<u>Reference:</u> <i>Ductworks accessories (Air Terminal)</i> If there are conflict between the schedule and drawing. Please confirm which will govern, in the air terminal schedule or in the drawing?	Please follow the Air Terminal Schedule.
188	Page CP01-B8-449, Drawing No. NSCR-DWG-OCC-PL-6601 Page CP01-B8-450, Drawing No. NSCR-DWG-OCC-PL-6602 Page CP01-B8-451, Drawing No. NSCR-DWG-OCC-PL-6603	<u>Reference:</u> <i>Isometric layout</i> The Isometric Plumbing Layout is not reflected on floor plan at Workshop.	Please refer to Drawing Nos. NSCR-DWG-WS-PL-6601 and NSCR-DWG-WS-PL-6602 in Book 8 of 11, Pages CP01-B8-764 and CP01-B8-765, respectively, for Isometric Plumbing Layout of Workshop.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>Page CP01-B8-452, Drawing No. NSCR- DWG-OCC-PL-6604</p> <p>Page CP01-B8-453, Drawing No. NSCR- DWG-OCC-PL-6605,</p> <p>Workshop</p>		
189	<p>Page CP01-B8-455, Drawing No. NSCR- DWG-OCC-PL-6611</p> <p>Page CP01-B8-457, Drawing No. NSCR- DWG-OCC-PL-6621</p> <p>Page CP01-B8-459, Drawing No. NSCR- DWG-OCC-PL-6631</p> <p>Page CP01-B8-461, Drawing No. NSCR- DWG-OCC-PL-6641</p> <p>Page CP01-B8-463, Drawing No. NSCR- DWG-OCC-PL-6651</p> <p>Page CP01-B8-449,</p>	<p><u>Reference:</u> <i>Conflict in pipe sizes</i></p> <p>Conflict with the pipe sizes between floor plans and isometric plans at OCC Bldg. Which will prevail?</p>	The floor plans shall prevail.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	<p>Drawing No. NSCR-DWG-OCC-PL-6601</p> <p>Page CP01-B8-450, Drawing No. NSCR-DWG-OCC-PL-6602</p> <p>Page CP01-B8-451, Drawing No. NSCR-DWG-OCC-PL-6603</p> <p>Page CP01-B8-452, Drawing No. NSCR-DWG-OCC-PL-6604</p> <p>Page CP01-B8-453, Drawing No. NSCR-DWG-OCC-PL-6605,</p> <p>OCC Bldg</p>		
190	Page CP01-B8-478	<p><u>Reference:</u> <i>OCC Bldg. (Sanitary)</i></p> <p>Please verify if sewer piping, including fittings and cleanout from building going to the septic tank and drainage manhole, is included in our scope.</p> <p>Drawing note states “Pipes, fittings, cleanouts from the building up to the septic tank by others scope of work (typ.)”</p>	<p>Yes. Complete sewer drainage system shall be provided by the CP01 Contractor. Please refer to all relevant Technical Specifications and Drawings in the Bidding Documents in this regard.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
191	<p>Page CP01-B8-478, Drawing No. NSCR-DWG-OCC-SN-7111</p> <p>Page CP01-B8-480, Drawing No. NSCR-DWG-OCC-SN-7121</p> <p>Page CP01-B8-482, Drawing No. NSCR-DWG-OCC-SN-7131</p> <p>Book 10 of 11, Page CP01-B10-046 Drawing No. NSCR-DWG-SH1-SN-7111</p> <p>Page CP01-B10-135 Drawing No. NSCR-DWG-TMO-SN-7111</p> <p>Page CP01-B10-195, Drawing No. NSCR-DWG-CMV-SN-7111</p>	<p><u>Reference:</u> <i>Grease trap</i></p> <p>Please provide the capacity of Grease trap.</p>	<p>The capacity of grease traps shall be 5 gallons per minute for Drawing Nos. NSCR-DWG-OCC-SN-7111, NSCR-DWG-OCC-SN-7121, NSCR-DWG-OCC-SN-7131 (Book 8 of 11, Pages CP01-B8-478, CP01-B8-480 and Page CP01-B8-482, respectively) and NSCR-DWG-SH1-SN-7111, NSCR-DWG-TMO-SN-7111 and NSCR-DWG-CMV-SN-7111 (Book 10 of 11, Pages CP01-B10-046, CP01-B10-135 and CP01-B10-195, respectively).</p>
192	Page CP01-B8-494	<p><u>Reference:</u> <i>Fire Protection Main Pipe Discharge Line (to OCC & Workshop)</i></p> <p>Layout indicates fire protection main discharge line from pump room going OCC Bldg. & Workshop</p>	<p>Please follow 200 mm dia. main discharge line from the pump room.</p>

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		Bldg. is 150mm dia. However, pump room detailed layout and section show main discharge line is 200mm dia. Please confirm which is correct.	
193	Page CP01-B8-494	<u>Reference:</u> <i>Fire Protection Underground Piping</i> Please provide detail for underground fire pipework) trench, etc.) as required.	The Contractor shall submit its proposal along with shop drawings to the Engineer for its review/approval prior to execution of works as per GS 100 Clause 120.4.3.
194	Page CP01-B8-501, Drawing No. NSCR-DWG-OCC-FS-7701 Page CP01-B8-502, Drawing No. NSCR-DWG-OCC-FS-7711 Page CP01-B8-503, Drawing No. NSCR-DWG-OCC-FS-7721 Page CP01-B8-504, Drawing No. NSCR-DWG-OCC-FS-7731 Page CP01-B8-505, Drawing No. NSCR-DWG-OCC-FS-7741 Page CP01-B8-794,	<u>Reference:</u> <i>Pipe sizes for Fire Sprinkler System</i> May we request to provide and indicate the diameter of pipes for Fire sprinkler branchline intended for the following: OCC Building: Depot-Workshop: Light Repair Shop:	The Contractor shall submit its proposal together with necessary documents to the Engineer for its review/approval prior to commencement of the Works as per GS 100, Clause 120.4.3.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Drawing No. NSCR-DWG-WS-FS-7651 Page CP01-B8-795, Drawing No. NSCR-DWG-WS-FS-7661 Page CP01-B8-191, Drawing No. NSCR-DWG-LRS-FS-7641 OCC Building: Depot-Workshop: Light Repair Shop		
195	Pages CP01-B8-522, CP01-B8-523 and CP01-B8-575	<u>Reference:</u> <i>Gutter Trench Detail Cover</i> Please verify pay item for Gutter Trench stainless steel Drain Cover shown on NSCR-DWG-WS-AR-3119, 3120 & 3301.	Please refer to Page BOQ-163 Stainless Steel Grating, Pay Item D506(84).
196	Pages CP01-B8-691 and CP01-B8-692	<u>Reference:</u> <i>Workshop – Feeder System</i> May we propose 600A/800A MCCBs in lieu of ACB for WS-MDBs main breaker as shown in the single line diagram?	The proposed 600A/800A MCCB in lieu of ACB for Main Breakers is acceptable.
197	Pages CP01-B8-691 and CP01-B8-692	<u>Reference:</u> <i>Workshop – Feeder System</i> Main Circuit Breakers of MDB's are sometimes	MCCB's shall be used. Please refer to TS700, Clause 706.1.9.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		ACBs and sometimes MCCBs. Please clarify which one is correct. If ACBs are correct, please advise if these are draw-out type or fixed type.	
198	Pages CP01-B8-691, CP01-B8-692, CP01-B8-696 and CP01-B8-697	<u>Reference:</u> <i>Panel detail</i> Please provide layout location for panel 1LP19.	Panel 1LP19 shall be located at Shop Floor (Column 13C).
199	Page CP01-B8-691 to CP01-B8-692, Drawing Nos. NSCR-DWG-WS-EL-5021 to 5022 Page CP01-B8-127, Drawing No. NSCR-DWG-LRS-EL-5021 Page CP01-B8-363 to CP01-B8-364 Drawing No. NSCR-DWG-OCC-EL-5021 to 5022 Valenzuela Depot	<u>Reference:</u> <i>69KV switchgear/transformer</i> Please confirm if Substation high voltage equipment (69KV switchgear/transformer) at LRS/Workshop/OCC are part of our scope.	High Voltage Equipment (69kV switchgear/transformer) are not within the CP01 Scope of Work.
200	Page CP01-B8-748, Drawing No. NSCR-DWG-WS-ME-6158 Page CP01-B8-749,	<u>Reference:</u> <i>Conflict in the schematic diagram and Bid plan.</i> In the Workshop Building Compressed Air System, Air Control Units are reflected in the schematic	The Contractor shall submit its proposal together with the necessary documents to the Engineer for its review/approval prior to the commencement of the Works as per GS 100, Clause 120.4.3.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Drawing No. NSCR-DWG-WS-ME-6161 Workshop Building	diagram but not in the detailed plan. Please provide.	
201	Pages CP01-B8-750 and CP01-B8-162	<u>Reference:</u> <i>Boiler Specifications (Workshop Bldg. & Light Repair Shop)</i> Please verify also what type of fuel to be used and its design pressure. Please also provide blow-up detail of boiler installation.	For design pressure, please refer to Book 8 of 11, Page CP01-B8-755. Fuel Type shall depend on the boiler equipment to be proposed by the Contractor. Hence, the Contractor shall submit its proposal along with shop drawings to the Engineer for its review/approval prior to works execution as per GS 100 Clause 120.4.3.
202	Page CP01-B8-757	<u>Reference:</u> <i>Wall Mounted Fan (All 7 Stations & Valenzuela Depot)</i> Please advise whether we may propose axial fans for wall mounted fans to meet capacity requirements. (60 Pa is the maximum static pressure for wall mounted propeller fans). This query is typical for all buildings.	Yes, the Contractor may propose axial fans for wall mounted fans to meet the capacity requirements. A proposal may be submitted by the Contractor to the Engineer for its review/approval before work executions as per GS100 Clause 120.4.3. (60 Pa is the maximum static pressure for wall mounted propeller)
203	Page CP01-B8-771	<u>Reference:</u> <i>Electric Water Heater (EWH-1) Capacity</i> Please provide the capacity for instantaneous electric water heater (EWH-1).	The capacity of EWH-1 is already provided in the drawing in Book 8 of 11, Page CP01-B8-771. Please refer to the Electrical Data part of table shown in the referred drawing.
Book 9 of 11			
204	Page CP01-B9-011	<u>Reference:</u>	The Bidder is advised to use BOQ Pay Item D512(4).

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot									
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE						
		<p><i>Ceiling Finishes</i></p> <p>Please provide pay item for 600 x 600 x 12mm Thk Acoustic Board with Aluminum Tee-Runners Hanged to Furring: it is reflected on plans but not in BOQ.</p>							
205	Page CP01-B9-011	<p><u>Reference:</u> <i>Wall Finishes</i></p> <p>Please provide pay item for Plastering for CHB Walls; it is in the schedule of finishes but not in BOQ.</p>	<p>The item below in Page BOQ-229 is revised as follows:</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 15%;">D546(4) D546(5)</td> <td style="width: 65%;">CHB Wall, Non-Load Bearing, (Incl. Reinforcing Steel); t=150mm <u>with cement plaster on both sides</u></td> <td style="width: 20%; text-align: center;">m²</td> </tr> </table> <p>The item below in Page TS500-382 is revised as follows:</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 15%;">D546(4) D546(5)</td> <td style="width: 65%;">CHB Wall, Non-Load Bearing, (including Reinforcing Steel); t=150mm <u>with cement plaster on both sides</u></td> <td style="width: 20%; text-align: center;">m²</td> </tr> </table>	D546(4) D546(5)	CHB Wall, Non-Load Bearing, (Incl. Reinforcing Steel); t=150mm <u>with cement plaster on both sides</u>	m ²	D546(4) D546(5)	CHB Wall, Non-Load Bearing, (including Reinforcing Steel); t=150mm <u>with cement plaster on both sides</u>	m ²
D546(4) D546(5)	CHB Wall, Non-Load Bearing, (Incl. Reinforcing Steel); t=150mm <u>with cement plaster on both sides</u>	m ²							
D546(4) D546(5)	CHB Wall, Non-Load Bearing, (including Reinforcing Steel); t=150mm <u>with cement plaster on both sides</u>	m ²							
206	Page CP01-B9-056, Drawing No. NSCR-DWG-WRS-EL-5231, Valenzuela Depot	<p><u>Reference:</u> <i>Integration to BMS</i></p> <p>Please confirm if the lighting panels are to be integrated to BMS due to the provided timer relays on the electrical schematic diagram</p>	Yes. Lighting panels shall be integrated to BMS due to the provision of timer relays.						
207	Page CP01-B9-066 Sample from Wheel Re-profiling Shop	<p><u>Reference:</u> <i>Fire Extinguishers Capacity</i></p> <p>Please clarify the capacity of fire extinguishers to</p>	Both Architectural and Mechanical drawings shall be followed. However, in case of any discrepancies during implementation period, the same shall be communicated to the Engineer for further action.						

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot							
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE				
		be used in each building/area. Capacity on equipment schedule is contrary to the detailed drawing provided. Query is typical for all stations and depot building.					
208	Page CP01-B9-192 And Volume IA, Bill of Quantities, Page BOQ-233, BOQ Item No. D513(6)	<u>Reference:</u> <u>Roofing</u> Please specify which will prevail: - as per BOQ, roofing is Pre-painted Insulated Roof Panels with 75~100mm thk. PIR Insulation (t=0.60mm), while - as per Schedule of Finishes, it is 0.60mm thk long span rib type metal flourourethane pre-painted finish.	The item below in Page BOQ-233 is revised as follows: <table border="1"> <tr> <td>D524(8)D513 (6)</td> <td><u>0.60mm thk long span Pre-painted Hi-rib AlZinc Metal Roofing</u> Pre-painted Insulated Roof Panels with 75~100mm thk. PIR Insulation (t=0.60mm)</td> <td>m²</td> <td>21.00</td> </tr> </table>	D524(8) D513 (6)	<u>0.60mm thk long span Pre-painted Hi-rib AlZinc Metal Roofing</u> Pre-painted Insulated Roof Panels with 75~100mm thk. PIR Insulation (t=0.60mm)	m ²	21.00
D524(8) D513 (6)	<u>0.60mm thk long span Pre-painted Hi-rib AlZinc Metal Roofing</u> Pre-painted Insulated Roof Panels with 75~100mm thk. PIR Insulation (t=0.60mm)	m ²	21.00				
209	Pages CP01-B9-215 and CP01-B9-255 And Volume IA, Bill of Quantities, Page BOQ-242, BOQ Item No. D506(84)	<u>Reference:</u> <u>Grating</u> Please clarify conflict in gratings: - BOQ Item No. D506(84) is Stainless Steel Grating but is not reflected on plans, while - Cast Iron grating for trench is shown on CP01-B9-215 & 248 but has no pay item in BOQ.	Please disregard Cast Iron Grating call-out at the edge of the concrete walkway as shown in the drawings in Book 9 of 11, Pages CP01-B9-215 and CP01-B9-248 and substitute Stainless steel for the drainage channel grating shown in Page CP01-B9-216.				
210	Page CP01-B9-218 And Volume IA, Bill of	<u>Reference:</u> <u>Wall Finish</u> Please specify wall finish for Workshop Garbage Shed:	High-performance Urethane Coatings (Masonry Painting) is confirmed as the wall finish.				

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot								
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE					
	Quantities, Page BOQ-242, BOQ Item No. D547(8)	- as per Schedule of finishes, it is Plain Cement while as per BOQ, it is High-performance Urethane Coatings (Masonry Painting).						
211	Pages CP01-B9-218 and CP01-B9-233 And Volume IA, Bill of Quantities, Page BOQ-241, BOQ Item No. D512(6)	<u>Reference:</u> <i>Roofing & Flashing</i> Please specify which will prevail: - As per BOQ, roofing is Pre-painted Metal Sheet Roofing (t=0.60mm) while - as per CP01-B9-216 it is 0.60mm thk long span rib type metal flourourethane pre-painted finish. Also, please clarify conflict in roofing & flashing thickness: CP01-B9-218 : t = 0.60mm CP01-B9-233 : t = 0.50mm	The item below in Page BOQ-241 is revised as follows: <table border="1"> <tr> <td>D524(8) D512(6)</td> <td>0.60mm thk long span Pre-painted Hi-rib AlZinc Metal Roofing Pre-painted Metal Sheet Roofing (t=0.60mm)</td> <td>m²</td> <td>31.00</td> </tr> </table>		D524(8) D512(6)	0.60mm thk long span Pre-painted Hi-rib AlZinc Metal Roofing Pre-painted Metal Sheet Roofing (t=0.60mm)	m ²	31.00
D524(8) D512(6)	0.60mm thk long span Pre-painted Hi-rib AlZinc Metal Roofing Pre-painted Metal Sheet Roofing (t=0.60mm)	m ²	31.00					
212	Pages CP01-B9-251 and CP01-B9-255 And Volume IA, Bill of Quantities, Page BOQ-238, BOQ Item No. D512(6)	<u>Reference:</u> <i>Roofing & Flashing</i> Please specify which will prevail: - as per BOQ, roofing is Pre-painted Metal Sheet Roofing (t=0.60mm) while - as per CP01-B9-249 it is 0.60mm thk long span rib type metal flourourethane pre-painted finish. Also, please clarify conflict in roofing & flashing thickness:	The item below in Page BOQ-238 is revised as follows: <table border="1"> <tr> <td>D524(8) D512(6)</td> <td>0.60mm thk long span Pre-painted Hi-rib AlZinc Metal Roofing Pre-painted Metal Sheet Roofing (t=0.60mm)</td> <td>m²</td> <td>31.00</td> </tr> </table>		D524(8) D512(6)	0.60mm thk long span Pre-painted Hi-rib AlZinc Metal Roofing Pre-painted Metal Sheet Roofing (t=0.60mm)	m ²	31.00
D524(8) D512(6)	0.60mm thk long span Pre-painted Hi-rib AlZinc Metal Roofing Pre-painted Metal Sheet Roofing (t=0.60mm)	m ²	31.00					

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot							
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE				
		CP01-B9-251 : t = 0.60mm CP01-B9-255 : t = 0.50mm					
213	Pages CP01-B9-271 and CP01-B9-295	<p><u>Reference:</u> <i>Rain Water "Open Channel"</i></p> <p>Substation-1</p> <ul style="list-style-type: none"> - "Open Channel" is shown on DWG: CP01-B9-295, but - not shown on DWG: CP01-B9-271. <p>If "Open Channel" is correct, please provide detail.</p>	Provide area drain/catch basin (AD/CB) on every 100mmØ DS reflected in Book 9 of 11, Page CP01-B9-295. 250mmØ pipe to connect AD/CBs instead of open channel.				
214	Pages CP01-B9-271, CP01-B9-295	<p><u>Reference:</u> <i>Rain Water "Open Channel"</i></p> <p>Truck Garage</p> <p>"Open Channel "for rain water down pipe is shown on DWG: CP01-B9-295.</p> <p>"Open Channel "or "Catch basin" is not shown on DWG: CP01-B9-271.</p> <p>Shall we follow DWG: CP01- B9-295?</p>	<p>The Bidder's reference drawings (Pages CP01-B9-271 and CP01-B9-295) are for Valenzuela Depot – Sub-station 1. However, the Bidder's clarification request is for Truck Garage in Depot.</p> <p>For Truck Garage in Depot, please follow the drawing in Book 10 of 11, Page CP01-B10-262. 75mmØ DS' to connect directly to nearest AD/CB. Please use 200mm diameter pipe connecting catch basins instead of open channels.</p> <p>For Sub-station 1 in Depot, provide area drain/catch basin (AD/CB) on every 100mmØ DS reflected in Book 9 of 11, Page CP01-B9-295. 250mmØ pipe to connect AD/CBs instead of open channel.</p>				
215	Page CP01-B09-274	<p><u>Reference:</u> <i>Nosing</i></p> <p>Please provide pay item for 2" Cast Iron Abrasive Nosing: it is reflected on the Schedule of Exterior finish.</p>	<p>The following item is added in Page BOQ-300</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>D534(26)</u></td> <td style="text-align: center;"><u>Cast Iron Abrasive Nosing</u></td> <td style="text-align: center;"><u>l.m.</u></td> <td style="text-align: center;"><u>4.50</u></td> </tr> </table>	<u>D534(26)</u>	<u>Cast Iron Abrasive Nosing</u>	<u>l.m.</u>	<u>4.50</u>
<u>D534(26)</u>	<u>Cast Iron Abrasive Nosing</u>	<u>l.m.</u>	<u>4.50</u>				

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot							
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE				
216	<p>Page CP01-B9-277, Drawing No. NSCR-DWG-SS1-EL-5021</p> <p>Page CP01-B9-356, Drawing No. NSCR-DWG-SS2-EL-5021,</p> <p>Substation 1 and Substation 2</p>	<p><u>Reference:</u> <i>Panel & Switchgears</i></p> <p>Please confirm if Chopper, negative cubicle, control panel, AC DC panel, DC switchgear, LV panel is under our scope of works.</p>	<p>Chopper, negative cubicle, control panel, AC/DC panel, etc. are not within the CP01 Scope of Work. However, necessary interface shall be done with other interfacing Contractors by the CP01 Contractor.</p>				
217	<p>Pages CP01-B9-327 and CP01-B9-365</p>	<p><u>Reference:</u> <i>Rain Water "Open Channel"</i></p> <p>Substation-2 "Open Channel" is shown on DWG: CP01-B9-365. But not shown on DWG: CP01-B9-327.</p> <p>If "Open Channel" is correct, please provide detail.</p>	<p>Provide area drain/catch basin (AD/CB) on every 100mmØ DS reflected in Book 9 of 11, Page CP01-B9-365. 250mmØ pipe to connect AD/CBs instead of open channel.</p>				
218	<p>Page CP01-B9-329</p>	<p><u>Reference:</u> <i>Nosing</i></p> <p>Please provide pay item for 2" Cast Iron Abrasive Nosing: it is reflected on the Schedule of Exterior finish but without pay item in BOQ.</p>	<p>The item below is added in Page BOQ-307:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>D534(26)</u></td> <td style="text-align: center;"><u>Cast Iron Abrasive Nosing</u></td> <td style="text-align: center;"><u>1.m.</u></td> <td style="text-align: center;"><u>5.00</u></td> </tr> </table>	<u>D534(26)</u>	<u>Cast Iron Abrasive Nosing</u>	<u>1.m.</u>	<u>5.00</u>
<u>D534(26)</u>	<u>Cast Iron Abrasive Nosing</u>	<u>1.m.</u>	<u>5.00</u>				

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot											
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE								
219	Page CP01-B9-330 And Volume IA, Bill of Quantities, Page BOQ-306, BOQ Item No. D505(6)	<u>Reference:</u> <i>Floor Finish</i> Please specify which floor finish is to be used: - in the Schedule of Finishes, it is Plain Cement Troweled Finish w/ Hardener while - in BOQ it is Self-Levelling Epoxy Paint Finish with Hardener.	Maintain BOQ Pay Item D505(6) for Self-Levelling Epoxy Paint Finish with Hardener as the final finish floor coating for the <u>Plain Cement Troweled Finish With Concrete Hardener.</u> The item below is added in Page BOQ-299: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>D558(3)</u></td> <td style="text-align: center;"><u>Plain Cement Troweled Finish With Concrete Hardener</u></td> <td style="text-align: center;">m²</td> <td style="text-align: center;">211.00</td> </tr> <tr> <td style="text-align: center;">D505(6)</td> <td style="text-align: center;">Self-Levelling Epoxy Paint Finish with Hardener</td> <td></td> <td></td> </tr> </table>	<u>D558(3)</u>	<u>Plain Cement Troweled Finish With Concrete Hardener</u>	m ²	211.00	D505(6)	Self-Levelling Epoxy Paint Finish with Hardener		
<u>D558(3)</u>	<u>Plain Cement Troweled Finish With Concrete Hardener</u>	m ²	211.00								
D505(6)	Self-Levelling Epoxy Paint Finish with Hardener										
Book 10 of 11											
220	Pages CP01-B10-009 and CP01-B10-010	<u>Reference:</u> <i>Metal Ceiling</i> Please specify in which pay item 0.50mm Spandrel Metal Ceiling (shown on CP01-B10-09&10) will be included.	Please refer to TS 500 for the 0.50mm thk Pre-painted Spandrel Metal Ceiling. Please include in BOQ Pay Item D544(8).								
221	Page CP01-B10-070, Drawing No. NSCR-DWG-SH2-PL-6611, Security House 2	<u>Reference:</u> <i>Hose bib location</i> In Security House 2, kindly indicate the location of Hose Bib	Hose Bib to be located by the wall outside security house 2. The Contractor shall submit its proposal together with the necessary documents to the Engineer for its review/approval prior to the commencement of Works.								
222	Pages CP01-B10-074 and CP01-B10-115	<u>Reference:</u> <i>Rain Water "Open Channel"</i> Shunting Car Shop - "Open Channel "for rain water down pipe is	Please use area drain/catch basin shown in the drawing in Book 9 of 11, Page CP01-B9-074. Please use 200mm diameter pipe connecting catch basins instead of open channel.								

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		<p>shown on DWG: CP01-B10-115.</p> <p>- Catch Basin is shown on DWG: CP01-B10-074.</p> <p>Which DWG is correct? If open channel is correct, please provide detail.</p>	
223	Page CP01-B10-075, Drawing No.NSCR-DWG-SH2-SN-7111, Security House 1&2	<p><u>Reference:</u> <i>Piping layout</i></p> <p>Kindly confirm if the waste pipe at Security House 2 will tap to the area drain/catch basin of the structure.</p>	Yes. The waste pipe at security house 2 will tap to area drain/catch basin.
224	Pages CP01-B10-085 and CP01-B10-135	<p><u>Reference:</u> <i>Rain Water Catch Basin</i></p> <p>Track maintenance office 8 nos. of catch Basin shown on DWG: CP01-B10-085. 4 nos. of catch Basin shown on DWG: CP01-B10-135.</p> <p>Which DWG is correct?</p>	Please follow Book 10 of 11, Page CP01-B10-135. 4 nos. of catch basin mentioned in clarification are also Area Drain/Catch Basin (AD/CB).

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot								
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE					
225	Pages CP01-B10-087 and CP01-B10-088	<p><u>Reference:</u> <i>Other Finishes</i></p> <p>Please provide pay item for Pre-Painted Rib-type Metal Canopy Parapet Cladding (t=0.60mm); it is shown on drawings and schedule of exterior finishes but has no pay item in BOQ.</p>	<p>Please use 0.60mm thk long span pre-painted Hi-rib Alzinc metal roofing for the parapet cladding.</p> <p>The following item in Page BOQ-263 is revised:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; text-align: center;">D524(6) D512(5)</td> <td style="width: 50%;">0.60mm thk long span pre-painted Hi-rib Alzinc metal roofing—Pre painted Metal Sheet Roofing (t=0.60mm)</td> <td style="width: 10%; text-align: center;">m²</td> <td style="width: 10%; text-align: center;">22.00</td> </tr> </table>		D524(6) D512(5)	0.60mm thk long span pre-painted Hi-rib Alzinc metal roofing— Pre painted Metal Sheet Roofing (t=0.60mm)	m ²	22.00
D524(6) D512(5)	0.60mm thk long span pre-painted Hi-rib Alzinc metal roofing— Pre painted Metal Sheet Roofing (t=0.60mm)	m ²	22.00					
226	Pages CP01-B10-145 and CP01-B10-195	<p><u>Reference:</u> <i>Rain Water "Open Channel"</i></p> <p>CAT Maintenance Vehicle Shop</p> <ul style="list-style-type: none"> - "Open Channel "for rain water down pipe is shown on DWG: CP01-B10-195. - Catch Basin is shown on DWG: CP01-B10-145. <p>Which DWG is correct? If open channel is correct, please provide detail.</p>	<p>Please use area drain/catch basin shown in the drawing in Book 10 of 11, Page CP01-B10-145. Please use 250mm diameter pipe connecting catch basins instead of open channels.</p>					
227	Page CP01-B1s0-148	<p><u>Reference:</u> <i>Plaster</i></p> <p>Please specify in which pay item Plastering for CHB Walls will be included; it is in the schedule of finishes but not in BOQ.</p>	<p>Please use Pay Item D546(1) for Plastering.</p>					
228	Pages CP01-B10-223 and CP01-B10-262	<p><u>Reference:</u> <i>Rain Water "Open Channel"</i></p>	<p>Please follow the drawing in Book 10 of 11, Page CP01-B10-262. 75mmØ DS' to connect directly to nearest AD/CB. Please use</p>					

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
		<p>Truck Garage “Open Channel “for rain water down pipe is shown on DWG: CP01-B10-262. “Open Channel “or “Catch basin” is not shown on DWG: CP01-B10-223.</p> <p>Shall we follow DWG: CP01-B10-262?</p>	200mm diameter pipe connecting catch basins instead of open channels.
229	Pages CP01-B10-272 and CP01-B10-310	<p><u>Reference:</u> <i>Rain Water “Open Channel”</i></p> <p>Maintenance Car Shop “Open Channel” is shown on DWG: CP01-B10-310. But not shown on DWG: CP01-B10-272.</p> <p>If “Open Channel” is correct, please provide detail.</p>	Provide area drain/catch basin (AD/CB) located at every gridline with 75mmØ downspout as reflected in Book 10 of 11, Page CP01-B10-310. Please use 200mm diameter pipe connecting each AD/CB instead of open channels.
230	Pages CP01-B10-272 and CP01-B10-310	<p><u>Reference:</u> <i>Rain Water “Open Channel”</i></p> <p>Maintenance Car Shop “Open Channel “for rain water down pipe is shown on DWG: CP01-B10-310. Catch Basin is shown on DWG: CP01-B10-310.</p> <p>Which DWG is correct? If open channel is correct, please provide detail.</p>	Provide area drain/catch basin (AD/CB) located at every gridline with 75mmØ downspout as reflected in Book 10 of 11, Page CP01-B10-310. Please use 200mm diameter pipe connecting each AD/CB instead of open channels.
231	Page CP01-B10-343, Drawing No. NSCR-DWG-WPH-SN-7101	<p><u>Reference:</u> <i>Downspouts</i></p>	There is no need for downspout for WPH1 and WPH2.

North – South Commuter Railway (NSCR) Project (Malolos – Tutuban) Package CP01: Elevated Structures, 7 Stations and Depot			
ITEM NO.	REFERENCE CLAUSE/ SECTION	CLARIFICATION REQUEST	RESPONSE
	Page CP01-B10-357, Drawing No. NSCR- DWG-WPH2-SN-7101 Water Pump House 1 and 2	Please confirm if downspouts will be included on the system at Water Pump House 1 and 2. If yes, please provide.	
Book 11 of 11			
232	Book 11 of 11, For All Traction substations	<u>Reference:</u> <i>Septic Tank Detail of Traction substations</i> Please provide septic tank detail drawings for traction substation c/w required septic tank capacity.	Please refer to the drawing in Book 10 of 11, Page CP01-B10-045 for details on Septic Tank.
233	PageCP01-B11-058	<u>Reference:</u> <i>Sample for MTS1, Storage Water Tank (All Mainline Traction Substation)</i> Please provide material specification of storage water tank in all mainline traction substations. This query is typical for all stations.	Please refer to TS 600, Clause 617 for material specification of storage water tank.
Volume IV, Part 4 – Conditions of Contract and Contract Forms			
234	Section VIII, Particular Conditions, Page PC-12, Clause 1.1.6 Other Definitions	Question regarding to Reply No. 96 of GBB 4 The reply states “ <i>The lease shall be equivalent to <u>7 %</u> of the zone value....</i> ” Please indicate how to obtain such zone values or indicate relevant zone value itself.	The Zonal Value Rate can be downloaded from the BIR Website in the following link: https://www.bir.gov.ph/index.php/zonal-values.html .

