

Public Bidding No. 19-156-2
Malolos-Clark Railway Project (Blumentritt Extension) CP S-01
Building and Civil Engineering Works for Apx. 1 Km of Viaduct Structure Including Station Building at Blumentritt

BID CLARIFICATION REQUESTS (BATCH NO. 04)
GENERAL BID BULLETIN NO. 14

No.	Volume & Section No.	Page No.	Clause No./Title	Reference Text	Clarification Request	Final Response
1	Vol.1 Sec.3 Evaluation and Qualification Vol.1 Sec.4 Bidding Forms	EQC 20 BF 7	2.4.2 Construction Experience in Key Activities Form of Affiliate Company Guarantee		<p>For Major Items of the Works requiring specialist subcontractors, if a local subcontractor (an affiliate of an International/Foreign Parent/Affiliate Company) does not have the required length of experience, but the said international/foreign parent/affiliate company does (have the required length of experience), can we enter into a subcontract agreement with the affiliate local company, assuming the international/foreign parent/affiliate company issues the Form of Affiliate Company Guarantee?</p> <p>Mostly, if not always, International Parent/Affiliate Companies open up and expands operations to other countries (like Philippines), register with the local regulatory agencies such SEC and PCAB among others as a Branch Office or as an Affiliate Company to represent the International Parent/Affiliate Company, bringing with them the work experiences, technical knowhow, new methods and technologies of the International Parent/Affiliate Company. As we understand, based on the above explanations, we can enter into a subcontract with this local affiliates and can be considered also as compliant to the Minimum Construction Experience requirements by submitting Form of Affiliate Company Guarantee.</p> <p>Can you confirm if our understanding on the above explanations are correct?</p> <p>Relative to the above paragraphs, if it is all right, may we request for the revision of the Form of Affiliate Company Guarantee to suit not only Bidder's parent/affiliate company but also Specialist Subcontractor's parent/affiliate company?</p>	<p><i>The Form of Affiliate Company Guarantee is appropriate for the use by the bidder's affiliates, not that of Subcontractor. If the bidder will use a specialist subcontractor for purposes of meeting the construction experience in key activities, the specialist subcontractor itself should have the required experience. It cannot rely on the experience of the specialist subcontractor's affiliate company. The bidder will have to enter into subcontracting agreement with the entity which has the required experience (i.e. the parent company in this instance).</i></p>

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2	Vol.1 Sec.3 Evaluation and Qualification	EQC 20	2.4.2 Construction Experience in Key Activities	"3. Viaduct works for Railway or Road (Expressway or Motorway) more than 2 km using P.C. segmental span by span techniques. Relevant works will also include bored or pre-cast piling, R/C pile caps and piers constructed"	The Requirement 3 of the construction experience in key activity in Clause 2.4.2, Section 3 Evaluation and Qualification, which is the requirement of construction experience for Viaduct works, states as in the left column. Normally, a Specialist Subcontractor for Viaduct works has an experience of Viaduct work only and does not have enough experience of the substructure works such as bored or pre-cast piling, R/C pile caps and piers. Is it all right that the experience of the Viaduct works is relied on the Specialist Subcontractor and the experience of the substructure works is relied on the Bidder? If so, can the projects of the Viaduct work and the substructure work be different projects?	<i>It is acceptable if the Bidder is providing the substructure expertise to allow a specialist subcontractor to carry out the works.</i>
3	Vol. 2, Part II, Section 6, Part 1	TS 600-19	Book 6, TS600 TS601.1 - The Work	The works in this section shall include the furnishing and installation of all items including every article, device or accessory (whether or not specifically called for by item) reasonably necessary to facilitate each system's functionality as indicated by the design and equipment specified.	Please clarify and confirm our understanding is correct, that, any requirements not shown or mention in the tender design drawings and the BOQ items shall be consider as additional works and/or can adjust BOQ having the same pay item since the Bidder / Contractor build or construct only. Yes or No.	<i>Please refer to Preamble of the BoQ.</i>
4	Vol. 2, Part II, Section 6, Part 1	TS 600-20	Book 6, TS600 TS601.1.1 - Quality Assurance and Code of Standard	As stated in paragraph 2, that, "Should a change in the Drawings or Specifications be required to comply with governmental regulations, the Contractor shall notify the Engineer prior to execution of the work. The work shall be carried out according to the requirements of such code in accordance with the instruction of the Engineer and at no additional cost to the Employer".	Please clarify and confirm that the Contractor has the right to claim for variation order since the Bidder / Contractor do not do the design works and only build or construct in compliance with the tender design drawings, specifications and BOQ item. Yes or No.	<i>Please refer to preamble for the Contract type and basis of payment. Also, refer to FIDIC Clause 13 for Variations and Adjustments.</i>

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5	Vol. 2, Part II, Section 6, Part 1	TS 600-25	Book 6, TS600 TS601.1.5.6 - Drawing Submittals	As stated, " The Contractor shall obtain from the Engineer a complete set of construction drawings in AutoCAD format including current building backgrounds".	1.) Please clarify and confirm that the Engineer shall issue a separate construction drawings aside from the tender design drawings, Yes or No. 2.) In the event there is a change or difference between the tender design drawings and the issue for construction drawings, the Contractor has the right to claim for variation order. Yes or No.	<i>1. Yes. The Engineer will issue a set of Construction Drawings after Contract Award. 2. Please refer to preamble for the Contract type and basis of payment. Also, refer to FIDIC Clause 13 for Variations and Adjustments.</i>
6	Vol. 2, Part II, Section 6, Part 1	TS 600-25	Book 6, TS600 TS601.1.6 - Testing and Commissioning	As stated, "Commissioning shall be carried out by an independent commissioning contractor subcontracted to the Contractor".	Please provide lists of Engineer / Employer accredited third party independent testing and commissioning contractor for our pricing purposes.	<i>The Employer does not have such list.</i>
7	Vol. 2, Part II, Section 6, Part 1	TS 600-30	Book 6, TS600 TS601.1.19 - Excavation and Backfill	Earthworks	Please clarify and confirm that the excavated soil can be utilize as backfilling materials. Yes or NO.	<i>Yes, the backfilling material shall conform relevant technical specifications and subject to Engineer's approval.</i>
8	Vol. 2, Part II, Section 6, Part 1	TS 600-34	Book 6, TS600 TS601.1.28.1 - Prohibited Markings	As stated, "element or assembly which bears on any exposed surface any name, trademark, or other insignia which is intended to identify the manufacturer, the vendor or other source(s) from which such object has been obtained, is prohibited "	Please clarify and confirm, what if the supplier / manufacturer will not allow to remove their trademark and will void their warranty and/or will not accept for any damage due to pilferage or similar act, will the Engineer / Employer shall bear the responsibility. Yes or No.	<i>To be clarified by the Engineer/Employer during contract implementation.</i>
9	Vol. 2, Part II, Section 6, Part 1	TS 600-45	Book 6, TS600 TS604.2.1 - Outdoor Unit	As stated, "Item No. 14.) The outdoor unit shall have a manufacturer supplied 20gauge hot dipped galvanized snow / hail guard".	Please clarify and confirm if the Contractor can propose for all outdoor unit not to consider the provision of snow and hail guard since the proposed project in is a tropical region. Yes or No.	<i>Yes. subject to the Engineer's approval.</i>
10	Vol. 2, Part II, Section 6, Part 1	TS 600-57	Book 6, TS600 TS604.2.7 - Summary	As stated, that, "System not developed on the Niagara Framework platform are unacceptable".	Please clarify and confirm that the Contractor can propose a different brand name and/or equivalent to Niagara Framework platform. Yes or No.	<i>Yes. subject to the Engineer's approval.</i>

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11	Vol. 2, Part II, Section 6, Part I Vol. 2, Part II, Section 6, Part II Vol. 1A, Part I	TS500 - 466 NSRP-DWG-BLU-AR-3566, REV9 BOQ-35	Book 5, TS500 TS557.1 - The Work Book 2, Architectural, Mechanical and Electrical Drawings Section 4A-Bill of Quantities BOQ 4-1	As stated, "The works in this section specifies the requirements for the installation and maintenance of <i>electro-hydraulic elevators</i> ". Schedule of Elevator Mechanical Works (Elevators)	1.) Technical specification mention for electro-hydraulic elevators and Schedule of Elevator shows Machine Room Less , please clarify and confirm if which one is correct or to be follow for the type of elevators for our pricing purposes. 2.) Please clarify and confirm if our understanding is correct that all elevators mention in the BOQ 4-1, Item Nos. 557(1)a to 557(1)d, page BOQ-35, are " <i>machine room less elevators</i> ". Yes or No. 3.) Please clarify and provide whether the Engineer / Employer have a lists of preferred elevator suppliers / manufacturers / brand names for our pricing purposes.	<i>Description for Pay Items 557(1)a to 557(1)d --- Elevators, are as shown in drawings. Please refer to NSRP-DWG-STA-AR-3521, NSRP-DWG-BLU-AR-3566, and other issued drawings for complete details. No peferable suppliers / manufacturers / brand</i>
12	Vol. 2, Part II, Section 6, Part 1	TS500 - 466	Book 5, TS500 TS557.1 - The Work	As stated," Item No. 3) Dimensions -The dimensions indicated on the drawing for the hoist way pit and machine rooms and rough openings for the entrances are fixed dimensions.	Please clarify and confirm if the Contractors / Bidders shall fully comply with the hoist way pit sizes as shown in the architectural and structural drawings. Yes or No.	<i>The pit size shown on the Drawings are for reference only. The Contractor shall confirm the structural requirements for all electrical and mechanical equipments' sizing and ducting with the Engineer.</i>
13	Vol. 2, Part II, Section 6, Part 1	TS500 - 466	Book 5, TS500 TS557.1 - The Work	As stated," Item No. 4) - Definitions, c) Control Center: a remote-control center located in the transit maintenance depot at Valenzuela which monitors all control systems".	1.) Please clarify and confirm our understanding is correct that the elevators from Blumentritt Station shall be monitor via stand-alone BMS system within the station. Yes or No. 2.) Please clarify and confirm our understanding is correct that the monitoring or interfacing cable from the Blumentritt Station to the Valenzuela Depot is not under CP S01 scope of work. Yes or No.	<i>1)Yes 2) Yes. It is not under the scope of work.of CP S01.</i>
14	Vol. 2, Part II, Section 6, Part 1	TS500 - 467	Book 5, TS500 TS557.1 - The Work	As stated," Item No. 8) - Permits and Inspection, The tests shall be made in the presence of DOTr or its authorized representatives.	Please clarify and confirm whether the DOTr and/or its authorized representatives shall be form part of the approving body for the on-site testing and final hand-over. Yes or No.	<i>Yes</i>
15	Vol. 2, Part II, Section 6, Part 1	TS500 - 467	Book 5, TS500 TS557.2.1 - Elevator Equipment	As stated, Elevator Rated Speed: 38.5 m/min	Please clarify and confirm if the Bidders/Contractors can propose and consider the supplier / manufacturer latest and updated rated speed standards in the international market which is 60m/min. Yes or No.	<i>The Bidder is not allowed to proposed alternative requirement during Bidding.</i>

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16	Vol. 2, Part II, Section 6, Part 1	TS500 - 472	Book 5, TS500 TS557.2.14 - Controller	As stated, "Item No. 11), Controllers located in areas protected by sprinkler systems shall be EEMAC "3" construction.	Please clarify and confirm that Bidder / Contractor can propose other international or local standard such as NEMA, PEC, JIS which is equivalent to the EEMAC "3" controllers. Yes or No.	<i>Subject to the approval of the Engineer, the Contractor may propose alternative requirement which must be equivalent or more onerous than the current standard</i>
17	Vol. 2, Part II, Section 6, Part 1	TS500 - 474	Book 5, TS500 TS557.2.27 - Fire Detection	As stated, "A smoke detector, as specified in the Philippines Electrical Code shall be installed in the cab and all terminations and connections made so as to integrate the smoke detector with the building's fire alarm system".	Please clarify and confirm that provision or installation of smoke detectors and integration with the building's fire alarm system shall be under the FDAS sub-contractors. Yes or No.	<i>Yes</i>
18	Vol. 2, Part II, Section 6, Part 1	TS500 - 475	Book 5, TS500 TS557.2.31 - Telephone Compartment	As stated, "A telephone compartment, 350mm high x 200mm wide x 200mm deep (internally) shall be provided in the car operating panel, with hinged, stainless steel door.	Please clarify and confirm that the Bidder / Contractor can propose the telephone compartment or requirement as per the elevator supplier / manufacturer standard. Yes or No.	<i>Subject to the approval of the Engineer, the Contractor may propose alternative requirement which must be equivalent or more onerous than the current standard.</i>
19	Vol. 2, Part II, Section 6, Part 1	TS500 - 479	Book 5, TS500 TS557.4.1 - Method of Statement	A stated in last paragraph, "Detail information of Elevator is shown on the NSRP-DWG-BLU-AR-3566 and location each type of Elevator is NSRP-DWG-BLU-AR-3615 and 3102.	Please provide the missing reference drawing No. NSRP-DWG-BLU-AR-3615, for reference purposes.	<i>NSRP-DWG-BLU-AR-3615 is superseded. Refer instead to drawing sheet NSRP-DWG-BLU-AR-3651 to 3657.</i>
20	Vol. 2, Part II, Section 6, Part II	NSRP-DWG-BLU-AR-3567, REV9	Book 2, Architectural, Mechanical and Electrical Drawings	Blumentritt Station Schedule of Louver , Sheet 1	Please clarify and confirm that if all Louvers as stated in the Schedule of Louver, Sheet 1, are under architectural scope works. Yes or No.	<i>All metal louvers, including metal louvers for HVAC purposes, are under Contractor's Scope of Works.</i>

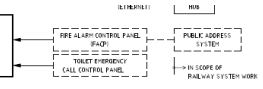
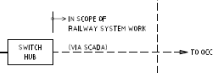
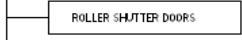
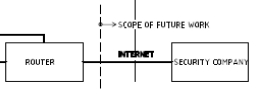
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21	Vol. 2, Part II, Section 6, Part II	NSRP-DWG-BLU-AR-3655, REV9	Book 2, Architectural, Mechanical and Electrical Drawings	Elevator and Escalator, Lay-out 5	Please clarify and confirm the correct number of the escalator at the connecting walkway along G.L. B'/2'&3' (No.21) and B'/6'&7' (No.22).	<i>Refer to NSRP-DWG-BLU-AR-3566 SCHEDULE OF ELEVATORS AND ESCALATORS.</i>
22	Vol. 2, Part II, Section 6, Part II	NSRP-DWG-BLU-AR-3566, REV9	Book 2, Architectural, Mechanical and Electrical Drawings	Schedule of Elevator Regulation : MELCO STD	1.) Please clarify and confirm if the Engineer / Employer has a preference brand name and model number for the Elevators. Yes or No. 2.) Please clarify and confirm if the Bidders / Contractors can propose elevators of equivalent international standard other than MELCO STD (Mitsubishi Standard). Yes or No.	<i>1. Bidder shall pay attention to Section 2.4.4 of the The Employer's Requirements in Volume 2 2. Being subject to the Engineer's approval, the Bidder/Contractor must demonstrate the proposed standard is equivalent or more onerous than the current standard and meet client's expectation for standardisation of equipments and plant.</i>
23	Vol. 2, Part II, Section 6, Part II	NSRP-DWG-BLU-AR-3566, REV9	Book 2, Architectural, Mechanical and Electrical Drawings	Schedule of Escalator Regulation : JAPAN STD	Please clarify and confirm if the Bidders / Contractors can propose escalator of equivalent international standard such as DIN, EN standards, etc..Yes or No.	<i>Being subject to the Engineer's approval, the Bidder/Contractor must demonstrate the proposed standard is equivalent or more onerous than the current standard and meet client's expectation for standardisation of equipments and plant.</i>
24	Vol. 2, Part II, Section 6, Part I	TS500 - 480	Book 5, TS500 TS558.3.1 - Main Specification	Escalator: Brand Name, Model Number and Type	1.) Please clarify and confirm if the Engineer / Employer has a preference brand name and model number for the Escalators. Yes or No. 2.) Please clarify and confirm that the Bidders / Contractors can propose other brand name and/or model number which is equivalent to what stated in the technical specifications. Yes or No.	<i>1. Bidder shall pay attention to Section 2.4.4 of the The Employer's Requirements in Volume 2 2. Being subject to the Engineer's approval, the Bidder/Contractor must demonstrate the proposed standard is equivalent or more onerous than the current standard and meet client's expectation for standardisation of equipments and plant.</i>

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25	Vol. 2, Part II, Section 6, Part 1	GS 72	Book 1, GS100 120.8.2 - As-Built	As stated, Item No. i) As-Built Drawings, seven (7) full-size hard copy sets	Please clarify and confirm the correct As-Built size for full-size hard copy sets.	<i>To be clarified by the Engineer/Employer during contract implementation.</i>
26	Vol. 2, Part II, Section 6, Part 1	GS 72	Book 1, GS100 120.8.2 - As-Built	As stated, Item No. ii) As-Built Records, five (5) sets of hard copies	Please clarify and confirm the correct size require for the submission of As-Built Records.	<i>To be clarified by the Engineer/Employer during contract implementation.</i>
27	Vol. 2, Part II, Section 6, Part 1	GS 45	Book 1, GS100 116.1 - General	As stated in paragraph 1,"Unless otherwise specifically provided in the Contract, all material, plant and other supplies to be incorporated in the Works are to be new, unused, of the most recent or current models, and incorporate all latest improvement in design and materials".	1.) Please clarify and confirm whether CP S01 mechanical and electrical equipment, panel, plumbing fixtures, BMS, FDAS and the likes shall be the same and/or equivalent with other on-going and awarded railway project for the purpose of standardization. Yes or No. 2.) Please clarify, confirm and/or provide whether the Engineer / Employers has a preference list of equipment for the mechanical and electrical work for our pricing reference. Yes or No.	<i>Bidder shall pay attention to Section 2.4.4 of the The Employer's Requirements in Volume 2</i>
28	Vol. 2, Part II, Section 6, Part 1	GS 84	Book 1, GS100 126.1 - General	As stated in paragraph 5,"The commencement dates for CP S-01 will be approximately 100 calendar days prior to the that of CP NS-01, therefore until that time, the Civil Package shall use the Outline Interface Matrix (OIM) given at Appendix 4 as the basis for their planning and programming".	1.) Reference OIM Appendix 4, pages 1 to 11, please advise and clarify if how CP S01 can provide the prices for the execution of and/or installation of the CP NS-01 requirements, example, number of pipe sleeves and pipe sizes, wall opening sizes, supporting structure details for power, communication and signalling cable, conduits, full boxes, sheet metal trunking, etc. 2.) Please provide the information as per CP NS-01 design requirement for CP S01 pricing purposes. 3.) Please provide the information as per CP NS-01 design requirement for CP S01 as the basis for planning and programming. 4.) Please advise and clarify if the Engineer shall be present at all time instead of the Engineer discretion to take the lead for all the Interfacing / Coordination between the CP NS-01 and CP S01 in order to give the proper direction and to meet the time table considering the MCRP (Blumentritt Extension) is a "Top Priority" Project of the Philippine Government. Yes or No.	<i>1. Please note that all physical interface works shall be covered under PS-8. 2. See above. 3. At this bidding stage, please refer to the interface matrix. 4. Yes, the Engineer shall manage and facilitate the implementation of interface works among Contractors.</i>

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29	Vol. 2, Part II, Section 6, Part 1 Vol. 1A, Part I	TS700 - 165 BOQ - 61	Book 7, TS700 TS715 - Security System, Sub-Clause TS715.2.23 - Wiring Section 4A- Bill of Quantities BOQ 4-1, Item No. 707(8)b	As stated, "All wiring shall be in electrical metallic tubing EMT except for embedded in concrete, PVC conduits should be used". Security System - Type of conduit "IMC"	Please clarify and confirm if which type of conduit is correct or to be follow for the Security System, a) EMT b) PVC - Embedded under concrete c) IMC	Kindly refer to NSRP-BLU-EL-5803.For CP S-01 .It is indicate that IMC will be use for the power supply for CCTV system.. For TS700 it will be rectified. "All wiring shall be in Intermediate Metallic conduit except for embedded in concrete, PVC conduits should be used"
30	Vol. 2, Part II, Section 6, Part 1 Vol. 1A, Part I	TS700 - 165 BOQ - 61	Book 7, TS700 TS715 - Security System, Sub-Clause TS715.2.23 - Wiring Section 4A- Bill of Quantities BOQ 4-1, Item No. 713(9)d	As stated, "Wire for 230VAC circuit shall be 3 - 3.5mm2 THHN or THW Security System - Type of cable and size 3.5mm2 LSZH	Please clarify and confirm if which type of cable is correct or to be follow for the Security System, 3 - 3.5mm2 THHN or THW or 3.5mm2 LSZH.	Kindly refer to NSRP-BLU-EL-5803.For CP S-01 .It is indicate that IMC will be use for the power supply for CCTV system.. For TS700 it will be rectified. "All wiring shall be in Intermediate Metallic conduit except for embedded in concrete, PVC conduits should be used"

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31	Vol. 2, Part II, Section 6, Part 1 Vol. 1A, Part I	TS700 - 165 BOQ - 61	Book 7, TS700 TS715 - Security System, Sub-Clause TS715.2.23 - Wiring Section 4A- Bill of Quantities BOQ 4-1, Item No. 703(8)	As stated, "For Access Control and Traffic Management System should be #18 AWG cable and Cat. 5e UTP cable. CCTV System should also be Cat. 5e UTP cable." Security System - Type of cable and size 4P - UTP Cat. 7	Please clarify and confirm if which type of cable is correct or to be follow for the Access Control, Traffic Management System and CCTV should be Cat. 5e UTP cable or 4P - UTP Cat7 cable.	Access Control and Traffic Management System are not part of scope. For CCTV, 4P UTP CAT7 cable should be used. Updated Drawings and TS700 will be issued in the next addendum or in the IFC
32	Vol. 2, Part II, Section 6, Part 1	TS 700 - 154	Book 6, TS700 TS715 - Security System, TS715.1 - The Work	CCTV Cameras, Monitors and accessories	Please clarify and confirm if the Engineer / Employer has a preference brand for CCTV camera, monitor and other accessories. Yes or No.	None
33	Vol. 2, Part II, Section 6, Part 1 Vol. 1A, Part I	TS 700 - 154 BOQ - 61	Book 6, TS700 TS715 - Security System, TS715.1.2 - System Operation Section 4A- Bill of Quantities BOQ 4-1, Item No. 715(1) & (5)	As stated in paragraph 2, "The 44 CCTV cameras can be viewed on the three (3) monitors using multiplexer and sequential switchers". CCTV Camera - 39 Sets and Wall Mount Monitor - 2 sets	1.) Please clarify and confirm if which one is correct for the number of CCTV cameras, should it be 44 sets or 39 sets. 2.) Please clarify and confirm if which one is correct for the number of wall mount monitor , should it be 3 sets or 2 sets.	Refer to PIN 715 (1) CCTV camera - 47 sets & PIN 715 (7) Wall Mount Monitor, 50 inch or bigger - 2 sets in Addendum 4

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34	Vol. 2, Part II, Section 6, Part 1	TS700 - 111 TS700 - 169	Book 6, TS700 TS710 TS716	Automatic Fire Alarm System Emergency Public Address System Fire Detection and Alarm System	1.) Please clarify and confirm whether our understanding is correct that TS716 - Fire Detection Alarm System is not use and to follow the requirement under TS710 - Automatic Fire Alarm System Emergency Public Address System. Yes or No. 2.) Please clarify and confirm whether the Automatic Alarm System shall be conventional or addressable type. This is for our pricing reference. 3.) Please clarify and confirm whether the Engineer / Employer has a preference brand for the Automatic Fire Alarm System Public Address System.	1. No, follow the requirement under TS 716. TS 710 -Automatic Fire Alarm System Emergency Public Address System is now changed to TS 716 - Fire Detection and Alarm System. 2 . Addressable type 3. No preference
35	Vol. 2, Part II, Section 6, Part 1	TS700 - 111	Book 6, TS700 TS710.1 - The Work	Station Architectural Fire Shutter Doors	1.) Please clarify and confirm whether all Station Architectural Fire Shutter Doors shall be interface with the Automatic Fire Alarm System. Yes or No. 2.) Please clarify and confirm whether the control module/relays are include in the BOQ Item No. 710 (9), page BOQ-60. Yes or No.	1. Yes. All fire shutter doors shall be interface with automatic fire alarm system. 2. Yes control module / relays are included in the BOQ PIN 710(9) Emergency Relay.
36	Vol. 2, Part II, Section 6, Part II	TS700 - 174 NSRP-DWG-BLU-EL-5701, REV9	Book 6, TS700 TS716.3.1 - Installation Blumentritt Station - Fire Alarm System Schematic Diagram	Size of cable 1.5mm2 and PVC conduit Fire Alarm Wiring Schedule Label	1.) Please clarify and confirm if which one is correct for the fire rated cable, it is 1.5mm2 as stated in the TS716.3.1, page TS-174 or Item No. 703(6)a - 1.25mm2 STP Screened Fire Resistance Cable, page No. BOQ-60 and reference drawing No. NSRP-DWG-BLU-EL-5701, Rev. 9. 2.) Please clarify and confirm if which one is correct for the fire cable conduit, it is PVC conduit or IMC conduit?	1. It is 1.25mm2 STP Screened Fire Resistance Cable 2. IMC Updated Drawings and TS will be issued in the next addendum or in the IFC
37	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5701, REV9	Blumentritt Station - Fire Alarm System Schematic Diagram	Interfacing Cable / Wiring and Termination	Please clarify and confirm that interfacing cable and termination from fire alarm panel to each special system such as; 1.) PA System 2.) Clock Signal from Clock System 3.) Fire Alarm to OCC (Via SCADA) 4.) Fire Alarm (to PID System) are not under CP S01 scope of work. Yes or No.	Item 1 to 4 are not part of CP S01 scope of work.

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38	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5801, REV9	Blumentritt Station - Electrical BMS System Diagram	Fire Alarm Control Panel, Toilet Emergency Call Control Panel and Public Address System 	Please clarify and confirm our understanding is correct that the Fire Alarm Control panel, Toilet Emergency Call Control Panel and Public Address System as shown in dotted lines are not under CP S01 scope of work. Yes or No.	Fire Alarm Control panel, Toilet Emergency Call Control Panel are part of CP S01 scope but Public address system is under scope of railway system. Kindly refer to attachment NSRP-DWG-BLU-EL-5801 & 5802. Changed the dotted line to solid line and added UPS supply.
39	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5801, REV9	Blumentritt Station - Electrical BMS System Diagram	Interfacing Cable / Wiring and Termination to OCC SCADA 	Please clarify and confirm our understanding is correct that interfacing cable / wiring from the station BMS system to OCC SCADA system is not under CP S)! Scope of work. Yes or No.	1) Kindly refer to NSRP-BLU-DWG-EL-5801.
40	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5801, REV9	Blumentritt Station - Electrical BMS System Diagram	Interfacing of Roller Shutter Doors 	Please clarify and confirm if all Roller Shutter Doors as shown in the architectural drawings shall be interface with BMS System only and all Fire Roller Shutter Doors shall be interface with the Fire Alarm System only. Yes or No.	1) Kindly refer to NSRP-BLU-DWG-EL-5801
41	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5803, REV9	Blumentritt Station - Electrical CCTV System Diagram	Security Company Interfacing Cable 	1.) Please clarify and confirm that the cabling works, interfacing / termination of Security Company is not under CP S01 scope of work. Yes or No. 2.) Is the Router under CP S01 scope of work. Yes or No.	1) Kindly refer to NSRP-BLU-DWG-EL-5803 2) Yes, the router is under CP S01 work.

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42	Vol. 2, Part II Section 6, Part II Vol. 1A, Part I	NSRP-DWG-BLU-EL-5802, REV9 BOQ-60	Blumentritt Station - Electrical BMS Input / Output Lists BOQ Item No. 713(1) - BMS Server for Building Management System BOQ Item No. 713(2) - Work Station for BMS BOQ Item No. 713(3) - Display for BMS	BMS BOQ Input and Output Lists	1.) Please advise and confirm if to what BOQ Item No. shall the Input and Output lists be included and to be price. 2.) Please clarify and confirm that any additional and / or missing Input or Output requirements shall be subject to BOQ adjustment or a variation order. Yes or No.	1) In 713(8) Field Devices & Controllers pay item 2) The contract variations shall be in accordance to FIDIC.

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43	Vol. 2, Part II Section 6, Part II Vol. 1A, Part I	NSRP-DWG-BLU- EL-5601, REV9 NSRP-DWG-BLU- EL-5602, REV9 BOQ-60	Blumentritt Station - Electrical Lightning Protection Layout Roof Level Blumentritt Station - Electrical Lightning Protection Layout Pedestrian Walkways Roof Level BOQ Item No. 711(4) - Lightning Event Counter	BOQ for Lightning Event Counter	Please clarify and confirm if which one is correct for the Lightning Event Counter BOQ; BOQ Item No. 711(4) - 10 ea. NSRP-DWG-BLU-EL-5601 & 5602 - 22 ea.	Kindly refer to revised NSRP-DWG- BLU-EL-5601 & 5602

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44	Vol. 2, Part II, Section 6, Part 1	TS700 - 48 TS700 - 65	Book 6, TS700 TS703.5.1 - Method of Measurement TS705.4.8.2 - Fire Rated Penetrations	As stated, Item No. 1)c) Provision of firestop where feeder cable with cable tray is penetrate fire rate walls and/or floor slab".	1.) Please advise and provide the technical specification requirement for the firestop materials for cable tray, conduits, etc. which penetrate fire rated walls and/or floor slab for our pricing purposes. 2.) Please clarify and advise if the Engineer / Employer has the preference brand for the firestop materials. Yes or No. 3.) Please clarify and advise on what particular BOQ Pay Item shall the Bidder / Contractor can include the price for the firestop materials. 4.) Please clarify and confirm that only those electrical works passing thru Fire Compartmentation wall shall be provided with the firestop materials. Yes or No.	1) The technical specification requirement for the firestop material is mentioned in No.17 of General Notes on Drawing "NSRP-DWG-BLU-EL-5001 REV9". The cost of the firestop material for cable tray, cable ladder, conduits, etc. by electrical work shall include in the price. 2) There is no preference brand for the firestop materials. 3) Price for the fire stop material can be included on material (cable tray/conduit).Please refer to TS 707.4. Under TS 707.4.1 (2b), it states that:Cable Tray and Cable Ladder are measured as "Linear Meter" and rate shall be included item b) Provision of Firestop where cable tray and cables is penetrate the fire rate walls and
45	Vol. 2, Part II, Section 6, Part II Vol. 2, Part II, Section 6, Part 1	NSRP-DWG-BLU-EL-5001, REV9 TS700 - 56	Blumentritt Station - Electrical General Notes Abbreviations and Legend TS705.3.1 - Equipment and Materials	As stated, "General Notes: Item No. 24 - Enclosed circuit breaker for indoor installation shall be NEMA 2, and NEMA 4x for outdoor installation". As stated, "Item No. 11) Enclosure for Electrical equipment installed in mechanical equipment rooms shall be NEMA type 1 - gasketed. Enclosures for Electrical equipment installed outdoors shall be NEMA type 3R.	1.) Please clarify and confirm if which one to be follow for enclosure of the electrical equipment for indoor installation, NEMA 2 or NEMA 1. This is for our pricing reference. 2.) Please clarify and confirm if which one to be follow for enclosure of the electrical equipment for outdoor installation, NEMA 4x or NEMA 3R. This is for our pricing reference.	1. NEMA 2 2. NEMA 4x TS705.3.1 should be amended accordingly as per drawings.

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46	Vol. 2, Part II Section 6, Part III Vol. 2, Part II, Section 6, Part 1 Vol. 2, Part II, Section 6, Part 1	ER - 20 & 21 TS700 - 56 GS 46	Sub-Clause - 2.5.1 - Requirement for FAT TS705.3.1 - Equipment and Materials Book 1, GS100 116.3 - Factory Acceptance Tests (FAT)	As stated, "Sub-clause Item No. 2.5.1.1- Electrical / Mechanical such as Distribution Panels, Fire Alarm Systems, Elevators and Escalator". As stated, "Item No. 9) Where factory testing of equipment is required to ascertain performance and attendance by the Engineer is required to witness such tests, associated travel cost and subsistence shall be paid for by the Contractor".	1.) Please clarify and confirm our understanding is correct that only those listed / mentioned Electrical / Mechanical equipment under Sub-Clause 2.5.1.1, shall perform Factory Acceptance Test (FAT), Yes or No. 2.) Please clarify and confirm that the FAT requirement for both Electrical and Mechanical shall comply and be perform in accordance with Sub-Clause 2.5.3 and 2.5.4, page ER-21 and sub-clause GS 116.3. Yes or No.	1) Yes 2) Yes, FAT requirement for both ALL Electrical and Mechanical system/equipment shall be complied.
47	Vol. 2, Part II Section 6, Part II Vol. 2, Part II, Section 6, Part 1	NSRP-DWG-BLU-EL-5002, REV9 TS700 - 96	Blumentritt Station - Electrical Lighting Fixtures Schedule Book 6, TS700 TS708.1.2 - Standard	Lighting Fixtures and Receptacle System	Please clarify and confirm that Bidders / Contractor can proposed equivalent standards aside from PS, PEC, JIS, ANSI, UL and NFA. Yes or No.	<i>Being subject to the Engineer's approval, the Bidder/Contractor must demonstrate the proposed standard is equivalent or more onerous than the current standard and meet client's expectation for standardisation of equipments and plant.</i>

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48	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5900, REV9	Blumentritt Station - Electrical Photovoltaic Power Generator Schematic Diagram	Cabling / Wiring Between Railway Electrical Room, Future PV Modules and MDB-02	1.) Please clarify and confirm that CP S01 scope for cabling and wiring from MDB-02 up to Railway Electrical Room and Solar Power System are up to MCB only. Yes or No. 2.) Please clarify and confirm that termination of cables or wiring from MDB-02 to Railway Electrical Room and Solar Power System are not under CP S01 scope of work. Yes or No.	<i>1) To clarify.Cabling and wiring from MDB'sand FP-DB is up to Railway Electrical room ,LV switchgear.It should be MCCB not MCB. Refer to single line diagram NSRP-DWG-BLU-EL-5011 & 5012 . Solar Power System is for future installation. 2) Yes, terminaion of cables or wiring from MDB 's and FP-DB to railway electrical room and LV switchgear is under CP S01 scope. Solar Power System is for future</i>
49	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5011 & 5012, REV9	Blumentritt Station - Electrical Low Voltage Power Single Line Diagram 1 & 2	Cabling / Wiring Between Railway Electrical Room, LV Switchgear and CP S01 (MDB-1 to MDB-6 and FP-DB)	1.) Please clarify and confirm that CP S01 scope for cabling and wiring from MDB-1 to MDB-6 and FP-DB up to Railway Electrical Room and LV Switchgear only. Yes or No. 2.) Termination of cables or wiring from MDB-1 to MDB-6 and FP-DB to Railway Electrical Room and LV Switchgear is not under CP S01 scope of work. Yes or No. 3.) Please clarify and confirm that the supply and installation of all Electrical and Auxiliary works inside of the Railway Electrical is not under CP S01 scope of works (By Others). Yes or No. 4.) Please provide the a key plan layout for the MDB-1 to MDB-6 and showing the cable entry for Bidders / Contractors reference.	<i>Kindly refer to NSRP-DWG-BLU-EL-501. Already indicated the scope of work of contractor and scope of railway or others.</i>
50	Vol. 2, Part II, Section 6, Part 1 Vol. 2, Part II, Section 6, Part 1	GS 91 TS700 - 97	Book 1, GS100 128.1 - General Book 6, TS700 TS708.2.2 - Ballasts	As stated, "The Defect Notification Period (DNP) shall be twelve (12) months from the date of issue of the relevant Taking Over Certificate". As stated, "Item No. 4) c) Three (3) years warranty"	Please clarify and confirm if which one is correct and to be follow for the Ballasts warranty, it is one (1) year or three (3) years. This is for our pricing reference and condition.	<i>it is one (1) year.</i>

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51	Vol. 1A, Part 1	BOQ - 53 & 54	BOQ Item No. 703(1)as7 & 703(3)a - 3.5mm2 THHN BOQ Item No. 703(1)as6 & 703(3)b - 5.5mm2 THHN BOQ Item No. 703(1)as5 & 70393)c - 8.0mm2 THHN BOQ Item No. 703(1)as8 & 703(3)d - 3.5mm2 TW(G) BOQ Item No. 703(1)as9 & 703(3)e- 5.5mm2	As stated, BOQ Part F.5, Item No. 703 - Wire and Cables	Please clarify and confirm the difference and usage of various BOQ Item Nos. having the same type and sizes but with different quantities.	<i>Items 703(3)a, 703(3)b, 703(3)c, 703(3)d, 703(3)e should be deleted. Refer to latest issued BoQ</i>

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52	Vol. 2, Part II, Section 6, Part 1 Vol. 1A, Part I	TS700 - 124 BOQ - 60 & 61	Book 7, TS700 TS710.7.1 - Method of Measurement Section 4A-Bill of Quantities BOQ Item No. 713 - Building Management System (BMS) BOQ Item 716 - Fire Detection and Alarm System (FDAS)	As stated, "Automatic Fire Alarm System and Emergency Public Address System is measure under Section 713 and 716". As stated, BOQ Item 713 - BMS As stated, BOQ Item 716 - Fire Detection and Alarm System (FDAS)	Tender BOQ Item No. 713 - refer to BMS section and tender BOQ Item No. 716 - refer to FDAS wherein all breakdown BOQ are DELETED. Please clarify and confirm our understanding is correct, that, as per GBB#7, Bidders shall follow the BOQ breakdown under BOQ Item No. 710 - Automatic Fire Alarm System Emergency Public Address System, page BOQ-59 and BOQ-60. Yes or No.	<i>1. No, follow the requirements under TS 716. TS 710 -Automatic Fire Alarm System Emergency Public Address System is now changed to TS 716 - Fire Detection and Alarm System. Refer to BoQ issued last July 26, 2019</i>
53	Vol. 2, Part II, Section 6, Part 1 Vol. 2, Part II, Section 6, Part 1	GS 91 TS700 -139	Book 1, GS100 128.1 - General Book 6, TS700 TS713.2.8 - Distribution of Responsibilities	As stated, "The Defect Notification Period (DNP) shall be twelve (12) months from the date of issue of the relevant Taking Over Certificate". As stated in paragraph 2, "The BMS supplier / contractor shall warrant the system's complete and successful operation against factory defect of the equipment and defects in the installation workmanship for a period of two (2) years after the date of turn-over.	Please clarify and confirm if which one is correct and to be follow for the BMS system warranty period, it is one (1) year or two (2) years. This is for our pricing reference and condition.	<i>1) Refer to TS700</i>

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54	Vol. 2, Part II, Section 6, Part 1	TS700 -142 & 143	Book 6, TS700 TS713.2.15 - Training	As stated, " Item No. 2) Operator training shall include three (3) initial six (6)-hour sessions", Item No. 3) Supervisor training shall include six (6)-hour session on the following subject matter, Item No. 4) Programmer training shall include twelve (12)-hours session	Please clarify and confirm the following: 1.) Item No. 2 - please advice the maximum number of participants and number of session for the Operator training. 2.) Item No. 3 - please advice if how many BMS supervisors are to be train. 3.) Item No. 4 - please advice if how many Programmer need to be train and number of sessions.	1) At least One (1) Operator need to take Operator training. The exact number of Programmer shall be decided during contract implemetation. 2) At least One (1) BMS supervisors need to take Supervisor training. The exact number of Programmer shall be decided during contract implemetation. 3) At least Two (2) Programmer needed to take Programmer training. The exact number of Programmer shall be decided during contract implemetation
55	Vol. 2, Part II, Section 6, Part 1	TS700 -139	Book 6, TS700 TS713.2.7 - Building Management System (BMS)	As stated, "Item No. 3) b) iii) Chiller Plant Optimization"	Please clarify and confirm if there is a need for the Chiller Plant Optimization under BMS system. Yes or No.	<i>No Chiller Plant in S-01</i>
56	Vol. 2, Part II, Section 6, Part 1	TS700 -144	Book 6, TS700 TS713.5.1 - Method of Measurement	As stated, "Item No. 4) 42" LED Display	Please clarify and confirm that Bidders / Contractors can follow the size of 42" LED Display for the BMS monito for pricing purposes. Yes or No.	<i>Refer to the requirement in TS.</i>

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57	Vol. 2, Part II, Section 6, Part I Vol. 2, Part II Section 6, Part II	TS700 -18 NSRP-BLU-DWG-EL-5011, 5012 & 5022	Book 6, TS700 TS701.1.2 - Interface Coordination Blumentritt Station - Electrical Low Voltage Power Single Diagram	As stated, "Where future connections to or extensions of the work are indicated, make convenient provisions for such future connections and extensions". MDB-2 , Future Works and MBD-5 / MDB-6, Future Tenants	1.) Please clarify and confirm that all conduiting and cabling works for the MDB-1, Future Works and MDB-4 & 6, Future Tenants is not under CP S01 scope of works. Yes or No.	Kindly refer to NSRP-BLU-DWG-EL-5011

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58	Vol. 2, Part II Section 6, Part II	NSRP-BLU-DWG- EL-5001, REV9	Blumentritt Station - Electrical General Notes Abbreviation s and Legend	LEGENDS	<p>1.) As shown in the LEGENDS, please clarify and confirm if the following are under CP S01 scope of works. Yes or No. eHG-03 - Directional Sign sHG-01 - Way Finding and Time Table eWD-02 - Free Standing Billboard ePST-01 - Station Name (400mm x 600mm)</p> <p>2.) If "YES", please provide details, specifications, BOQ Pay Item No. and other related required information for our pricing purposes.</p>	<p><i>1. Yes, all 4 items mentioned are under CP S-01 scope, divided between Architectural Works scope and Electrical Works scope.</i></p> <p><i>Architectural Works scope will be the whole of the Signage (i.e. Signage, lighting, foundation/supports) and wiring/cables to tap to power source.</i></p> <p><i>Electrical Works scope covers all works to supply power to the Signage through a junction box installed at the location of the signage.</i></p> <p><i>2. Quantities of works for the Electrical scope are included in the following Pay Items: PIN 707(8)h, 703(1)as7, 703(1)as8</i></p> <p><i>For detail please refer to NSRP-DWG-BLU-EL-5403 to 5410 &</i></p>
59	Vol. 2, Part II Section 6, Part II	NSRP-BLU-DWG- EL-5101, REV9	Blumentritt Station - Electrical Earthing Schematic Ground Level	Earthing Busbar	Please provide the detail and dimension for the Earthing Busbar for our pricing purposes.	<i>600mm x 50mm x 6.35mm (L x W x Thickness).Refer to NSRP-BLU-EL-DWG--5101 .Added the size of the earthing busbar.</i>

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60	Vol. 2, Part II Section 6, Part II Vol. 1A, Part I	NSRP-BLU-DWG- EL-5403 to 5414, REV9 NSRP-BLU-DWG- EL-5500 to 5512, REV9 BOQ - 57	Blumentritt Station - Electrical Lighting Lay- Out Blumentritt Station - Electrical Panel Board Schedule Section 4A- Bill of Quantities BOQ Item No. 707 - Conduit for Lighting and Receptacle/P	Type of Conduit and Sizes for Lighting and Receptacle / Power	Please provide and shown in the plan the correct type and sizes of conduits for Bidders / Contractor reference in relation with the breakdown BOQ under BOQ Pay Item Nos. 707(8)h, 707(2)b and 707(9)c.	<i>Kindly refer to revised NSRP-BLU- EL-DWG-5500 .Added the size and type of conduit.</i>
61	Vol. 2, Part II Section 6, Part II Vol. 1A, Part I	NSRP-BLU-DWG- EL-5706 to 5709, REV9 BOQ - 57	Blumentritt Station - Electrical Toilet Emergency Call Schematic & Lay-out Plan Section 4A- Bill of Quantities BOQ Item No. 707 - Conduit for Electrical Emergency Call System	Type of Conduit and Sizes for Electrical Toilet Emergency Call	1.) Please provide and show in the plan the correct type and sizes of conduits for Bidders / Contractor reference and pricing purposes. 2.) Please clarify and confirm the correct BOQ Pay Item No. for the Electrical Emergency Call System since the BOQ breakdown under Item 707(50a, page BOQ - 57 are DELETED.	<i>1. 20mm dia IMC will be used.Kindly refer to attachment NSRP-BLU-EL-5706 to 5709.Added the type and size of conduit to be used. 2. Please refer to issued BOQ, under Toilet Emergency Call System, PINs 717(1) to 717(5) and 703(10)a to 703(10)m, including 707(8)h for 20mm dia IMC</i>

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62	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5801, REV9 NSRP-DWG-BLU-EL-5802, REV9	Blumentritt Station - Electrical BMS System Diagram Blumentritt Station - Electrical BMS Input/Output Lists	Lay-out for conduit pipes and sizes and BOQ for DDC panel and locations.	1.) Please provide the design plan lay-out and sizes for all BMS conduit piping works for our reference. 2.) Please provide the design lay-out, locations and BOQ for all DDC design requirements for our pricing reference.	<i>1) BMS is a design, supply, and install scope of work. Input/out list are provided for reference only.</i>
63	Vol. 2, Part II, Section 6, Part I Vol. 2, Part II, Section 6, Part II Vol. 1A, Part I	TS500 - 466 NSRP-DWG-BLU-AR-3566, REV9 BOQ-35	Book 5, TS500 TS557.1 - The Work Book 2, Architectural, Mechanical and Electrical Drawings Section 4A- Bill of Quantities BOQ 4-1	As stated, "The works in this section specifies the requirements for the installation and maintenance of <i>electro-hydraulic elevators</i> ". Schedule of Elevator Mechanical Works (Elevators)	Please clarify and confirm our understanding is correct, that all elevators are " <i>machine room less / traction type</i> " and not <i>electro-hydraulic elevators</i> . Yes or No.	<i>Yes.machine room less/Traction drive elevator</i>

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64	Vol. 2, Part II, Section 6, Part 1	GS 91	Book 1, GS100 128.1 - General 128.2 - Defect Liability	As stated, "The Defect Notification Period (DNP) shall be twelve (12) months from the date of issue of the relevant Taking Over Certificate". As stated in paragraph 3, "All works, including labor, replacement parts, spare parts and consumables, if required, shall be at the Contractor's expense".	1.) Please clarify and confirm if our understanding is correct that the Bidders / Contractors shall not perform and/or include in the one (1) year Defect Notification Period for the operation and maintenance of equipment, systems and the like. Yes or No. 2.) Please clarify and confirm if our understanding is correct that the Bidders / Contractors shall only provide recommended spare parts and consumables as stated in Sub-Clause 128.2, Item c), page GS 92, during the DNP period. Yes or No.	1. Refer to GS 128 for the general duties of the Contractor. 2. The requirement for spare parts and consumables of each particular equipment/plant and any other works element shall refer to relevant TS.
65	Vol. 2, Part II, Section 6, Part 1	TS600-30	Book TS600 TS601.19 - Excavation and Backfill	Backfilling Soil	Please clarify and confirm that excavated soil can be use or utilize for backfilling purposes. Yes or No.	<i>Yes, the excavated soil can be used as backfilling material as long as it conform with relevant technical specifications and subject to Engineer's approval</i>
66	Vol. 2, Part II, Section 6, Part 1	TS600-42	Book TS600 TS604.1.1 - System Description	As stated in paragraph 2, "The system shall consist of outdoor unit, multiple indoor units, and M-NET DDC (Direct Digital Controls)".	Please clarify and confirm if Bidders / Contractors can propose other brand of direct digital controls (DDC) aside from M-NET DDC (Mitsubishi). Yes or No.	<i>Being subject to the Engineer's approval, the Bidder/Contractor must demonstrate the proposed equipment is equivalent or more onerous than the current standard\.</i>
67	Vol. 2, Part II, Section 6, Part 1	TS600-45	Book TS600 TS604.2.1 - Outdoor Unit TS604.2.1.1 - General	As stated, "Item No. 12) Manufacturer supplied low ambient kit shall be listed by Electrical Laboratories (ETL) and bear the ETL label.	1.) Please provide the lists of accredited Electrical Laboratories for the Bidders / Contractors compliance. 2.) Please clarify and confirm whether the Engineer / Client shall accept and approved the Electrical Laboratories as per the manufacturer / supplier standard. Yes or No.	<i>Delete "listed by Electrical Laboratories (ETL) and bear the ETL label." in Book TS600 and replace with "approved manufacturer's recommended Electrical Laboratories (ETL) and bear the ETL label." in Book TS600</i>
68	Vol. 2, Part II, Section 6, Part 1	TS600-46	Book TS600 TS604.2.8 - BS Coating	As stated, "Item No. 1) The outdoor unit shall be coated with the Seacoast Protection Coating (Bermuda Special - BS Coating)".	Please clarify and confirm if the Bidders / Contractors can propose the outdoor unit coating as per the manufacturer or supplier standard. Yes or No.	<i>Being subject to the Engineer's approval, the Bidder/Contractor must demonstrate the proposed coating is equivalent or more onerous than the current standard\.</i>

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69	Vol. 2, Part II, Section 6, Part 1	TS600-50	Book TS600 TS604.2.2.8 - Controls	As stated, "Item No. 1) Please refer to Part 4 of this guide specification for details on controllers and other control portions".	Please provide the copy of Part 4 as mention in the TS604.2.2.8, Item No. 1.	Delate "Please refer to on controllers and other control portions" in Book TS600 and replace with "Control shall be in accordance with approved Manufacturer's control system" Book TS600
70	Vol. 2, Part II, Section 6, Part 1	TS600-50	Book TS600 TS604.2.3 - (Wall Mounted) Indoor Unit	BOQ and location for DDC controllers	Please provide DDC controllers BOQ for our pricing reference.	BMS is a design, supply, and install scope of work. Input/out list are provided for reference only.
71	Vol. 2, Part II, Section 6, Part 1	TS600-55	Book TS600 TS604.2.6.1 - Mechanical General Provisions	As stated, "Item No. 2) The Contractor shall conform to the Specifications Section 23 05 00: Mechanical General Provisions'.	Please provide the copy of Specifications Section 23 05 00: Mechanical General Provisions, for our reference.	Replace " Section 23 05 00: Mechanical General Provisions." in Book TS600 to "appropriate requirements of Section 601") in Book TS600.
72	Vol. 2, Part II, Section 6, Part 1	TS600-56	Book TS600 TS604.2.6.2 - Related Work Specified Elsewhere	As stated, "Item No.4)c) Campus LAN (Ethernet) connection adjacent to JACE network management controller".	Please clarify and confirm that Bidders / Contractors can propose other brand name / equivalent with the JACE Network for the management controller. Yes or No.	<i>Being subject to the Engineer's approval, the Bidder/Contractor must demonstrate the proposed brand is equivalent or more onerous than the current standard\.</i>
73	Vol. 2, Part II, Section 6, Part 1	TS600-57	Book TS600 TS604.2.7 - Summary	As stated, "Item No. 2) System not developed on the Niagara Framework platform are unacceptable".	Please clarify and confirm that Bidders / Contractors can propose other brand name / equivalent with the Niagara Framework for the FMCS. Yes or No.	<i>Being subject to the Engineer's approval, the Bidder/Contractor must demonstrate the proposed brand is equivalent or more onerous than the current standard\.</i>
74	Vol. 2, Part II, Section 6, Part 1	TS600-57	Book TS600 TS604.2.7 - Summary	As stated, "Item no. 3) Scope: Furnish all labor, materials and equipment necessary for a complete and operating BMS, utilizing Direct Digital Controls as shown on the Drawings and as described herein".	Please provide the DDC control design plan drawings/ layout BOQ and BOQ Items for our pricing purposes.	BMS is a design, supply, and install scope of work. Input/out list are provided for reference only.

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75	Vol. 2, Part II, Section 6, Part 1	TS600-57	Book TS600 TS604.2.7 - Summary	As stated, "Item No. 5) Approved Installation Contractors".	Please provide lists of Engineer / Client approved or accredited Installation Contractors for our reference and pricing purposes.	<i>The Employer does not have such list.</i>
76	Vol. 2, Part II, Section 6, Part 1	TS600-69	Book TS600 TS604.3.8.5 - HRV Equipment Warranty	As stated, HRV manufacturers Extended Warranty Process; Item No. 3) Compressor: 7-year part only Item No. 4) Parts: 5 - years part only	1.) Please clarify and confirm our understanding is correct that Bidders / Contractors shall include in the HRV equipment price for the required Extended Warranty wherein the price will higher / expensive. Yes or No. 2.) Please clarify and confirm if the Bidders / Contractors can consider the warranty for both Compressor and Parts to be one (1) year only to make the price cheaper. Yes or No.	<i>1. Yes 2. Contractor can propose, but subject to approval of the Engineer.</i>
77	Vol. 2, Part II, Section 6, Part 1	TS600-43	Book TS600 TS604.1.4 - Warranty	AC Unit Compressor Warranty Period	1.) Please clarify and confirm if which one to follow for the AC unit compressor warranty period. It is six (6) years or ten (10) years. This for our pricing purposes.	<i>10 years</i>
78	Vol. 2, Part II, Section 6, Part 1	TS600-74	Book TS600 TS605.2.5 - Fire Dampers	As stated," The dampers shall be rated for 1-1/2 hours	Please clarify and confirm that all fire dampers as shown and stated under the BOD Item Nos. 605(2)a, 605(2)b and 605(2)c, page BOQ-39 shall be 1-1/2 hour fire rating.	<i>Yes</i>
79	Vol. 2, Part II, Section 6, Part 1	TS600-74	Book TS600 TS605.2.5 - Fire Dampers	As stated," Item No. 1) Air Devices (Kruger, Price, Metal Aire, Titus) Only	Please clarify and confirm that Bidders / Contractors can propose or use equivalent brand name for the Fire Damper and other Air Devices. Yes or No.	<i>Being subject to the Engineer's approval, the Bidder/Contractor must demonstrate the proposed brand is equivalent or more onerous than the current standard\.</i>
80	Vol. 2, Part II, Section 6, Part 1	TS600-76	Book TS600 TS605.3.2 - For Ductwork	As stated," Item 4)c) The duct shall be surrounded with a suitable thickness of asbestos fibers or fire-resisting asbestos sheet".	1.) Please clarify and confirm whether it is allow to use asbestos material for all fire rated duct works. Yes or No. 2.) If "NO", please advise and provide the acceptable method for the duct works fire resistant materials. This is for our pricing purposes.	<i>1) No. TS shall be revised accordingly. 2) Mineral Wool</i>
81	Vol. 2, Part II, Section 6, Part 1	TS600-78	Book TS600 TS605.4.1 - Method of Measurement	As stated,"Quantity of all Duct both rectangular and circular duct are measured as the "Liner Meter".	Please clarify and confirm that in the future or actual project construction, any design change for the duct size and /or additional ducting of different size from the stipulated BOQ Item Nos. 605(1)a to 605(1)o, page BOQ - 38, shall constitute for a variation order. Yes or No.	<i>Please refer to relevant FIDIC clauses for Contract Variations.</i>
82	Vol. 2, Part II, Section 6, Part 1	TS600-79 and 80	Book TS600 TS605.4.2 - Basis of Payment	As stated, " Station Building Pay Item Number for Ducting, Ducting Accessories (Dampers), Air Louvers & Description"	Please clarify and confirm if which one is correct and to be follow for the sizes and schedule of Ducting, Air Louvers and Fire Dampers. It is as per the table TS605.4.2 - Basis of Payment, pages TS600 - 79 to 80 or the under BOQ 4-1 breakdown, pages BOQ-38 and BOQ-39. This is for our pricing reference.	<i>Follow as indicated in BOQ for pricing reference.</i>

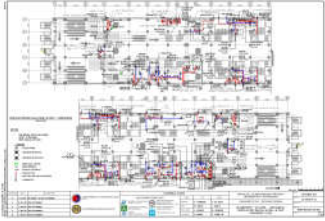
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83	Vol. 2, Part II, Section 6, Part I	TS600-82 & 83	Book TS600 TS606.2.1 - Inertia Block TS606.2.2 - Spring Isolators TS606.2.4 - Neoprene Pads	Pumps Vibration Isolator	1.) Please clarify and confirm that Bidder / Contractor can use Neoprene Pads in lieu with the Inertia Block complete with Spring Isolators, or as per equipment manufacturer / supplier recommendation / standard. Yes or No. 2.) Please clarify and confirm if which type of pump shall be provided with Inertia Block / Spring Isolator.	1. Yes 2. Fire Pump
84	Vol. 2, Part II Section 6, Part II Vol. 1A, Part I Vol. 2, Part II, Section 6, Part I	NSRP-DWG-BLU-PL-5801, REV9 BOQ - 50 TS600 - 86	Blumentritt Station - Plumbing - General Notes, Abbreviations and Legends T/S No. 607 - Pipes and Pipe Accessories Book TS600 TS607.2.3 - Polypropylene Pipe and Fittings (PPR) PN20	Material Specifications: Water Supply (Hot & Cold) Piping BOQ Item Nos. 607(1) up to 607(1)e - Domestic Water Supply Hot and Cold Water lines	Please clarify and confirm that all Domestic Water Supply (Hot & Cold) as stated under BOQ Item Nos. 607(1) up to 607(1)e, shall be PPR PN20 in compliance with TS607.2.3, page TS600 - 86. Yes or No.	Yes
85	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-PL-5851, REV9	Blumentritt Station - Plumbing - Water Tank Plant and Section	Section - 1 (Plinth Width & Distances), Plan D (Manhole, Ladder & Neoprene Pads)	1.) Please clarify and confirm the water tank plinth distances on center for our reference. 2.) Please provide the water tank plinth width (W). 3.) Please clarify and confirm if service manhole and ladder are require for the other water tank compartment and show in the plan the location. Yes or No. 4.) Please clarify and confirm that Neoprene Pads shall be provided for the Duplex Water Pump. Yes or No.	1. Please see revised NSRP-DWG-BLU-PL-5851 drawing. 2. Please see revised NSRP-DWG-BLU-PL-5851 drawing. 3. Yes . Please see revised NSRP-DWG-BLU-PL-5851 drawing. 4. Yes

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86	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-SN-6001, REV9 NSRP-DWG-BLU-SN-6102, REV9 NSRP-DWG-BLU-SN-6011, REV9	Blumentritt Station - Sanitary - General Notes, Abbreviations and Legends Blumentritt Station - Sanitary - Storm Drain Isometric Layout Blumentritt Station - Sanitary - Typical Detail Sheet 1	Material Specifications: Downspout - Shall be Stainless Steel Sched. 40 or Approved Equal Material for Downspout and Gutter Drains Gutter Drain Details (7)	1.) Please clarify and confirm that all downspout shall be Stainless Steel Sched 40. Yes or No. 2.) If "YES", please provide the specification for the Stainless Steel for our reference. 3.) Will the Engineer / Client consider to change all Downspout specification to Polyvinyl Chloride Pipes (PVC) and Fittings, Series 100 as Approved Equivalent, which is less expensive compare with Stainless Steel Sched. 40. Yes or No. 4.) If "YES", please revise the specification to PVC and BOQ Item No. 607(3)h, i and j- 150mm Dia. Stainless Steel (SS) Rain Water Pipe, pages BOQ -51 and 52 to Polyvinyl Chloride (PVC), for our pricing purposes and reference. 5.) Please clarify and confirm that Bidders / Contractors shall follow details for the Gutter Drains shall be in accordance with the Gutter Drain Detail . Yes or No. 6.) Please clarify and confirm that the 150dia mm Gutter Drain Stainless Steel is not under Sanitary scope of work. Yes or No. 7.) If "YES", please provide the reference BOQ Pay Items for our reference and pricing purposes.	<i>1), 2) All downspout shall be stainless steel pipe schedule 40 or equivalent. 3), 4) No. 5) The Gutter Drain shall be in accordance with Gutter Drain Detail A on drawing "NSRP-DWG-STA-AR-3556" 6) 150mm dia. Gutter Drain is under Sanitary Scope of Works 7) Please refer to PIN 607(4)b (under Sanitary Works) for 150mm dia. Gutter Drain</i>
87	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-SN-6011, REV9	Blumentritt Station - Sanitary - Typical Detail Sheet 1	Trench Drain with Grating Cover (Detail 6)	1.) Please clarify and confirm that the grating and equal angle bar is not under Sanitary scope of work. Yes or No. 2.) If "YES", please provide BOQ Pay Item No. and specification for our reference and pricing purposes.	<i>1. Grating and equal angle bar is part of Contractor's Scope of Work 2. Refer to PIN 506(12) --- Stainless Steel Grating</i>

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88	Vol. 2, Part II Section 6, Part II Vol. 1A, Part I	NSRP-DWG-BLU-SN-6001, REV9 BOQ - 51	Blumentritt Station - Sanitary - General Notes, Abbreviations and Legends BOQ 4-1, T/S No. 607 - Pipes and Pipe Accessories	Material Specification: Vent Stack Pipe - Series 600 BOQ Pay Item Nos. 607(3)c and 607(3)d	Please clarify and confirm our understanding is correct that all PVC Vents including Vent Stack pipe breakdown BOQ shall be PVC Series 600. Yes or No.	<i>Yes</i>
89	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-SN-6102, REV9	Blumentritt Station - Sanitary - Storm Drain Isometric Lay-Out	Storm Drain Catch Basin	Please clarify and confirm that all Storm Catch basin along G.L. A/ 1 to 20 is not under Sanitary scope of work. Yes or No.	<i>No</i>
90	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-ME-5501, REV9 NSRP-DWG-BLU-ME-5511, REV9	Blumentritt Station - Mechanical - General Notes, Abbreviation and Legends Blumentritt Station - Mechanical - Typical Detail Sheet 1	As stated, "General Notes", Item No. 1.) The Airconditioning and Ventilation system shall be provided in working design by Contractor." Item No. 19) Exposed parts for the refrigerant and condensate pipe shall be provided with metal cladding".	1.) Please clarify and confirm that Bidders / Contractors supply, install, testing and commissioning and no Design Works. Yes or No. 2.) Please provide the specification of metal cladding for all exposed refrigerant and condensate pipes. This is for our reference and pricing purposes.	<i>1. Please refer to relevant TS for Contractor's design scope. 2. G.I Sheet Gauge 26 (0.5mm THK) Updated Drawings will be issued in the next addendum or in the IFC</i>

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91	Vol. 2, Part II, Section 6, Part I Vol. 2, Part II, Section 6, Part II	TS600 - 74 NSRP-DWG-BLU-AR-3901 to 3904, REV9	Book 5, TS600 TS605.2.5 - Fire Dampers Blumentritt Station - Fire Compartmentation and Fire Escape Route Plan	As stated, "The dampers shall be rated for 1-1/2 hours." LEGEND - ESCAPE ROUTE - 2HR FIRE RATED WALLS - AUTOMATED DOORS, IN CASE OF EMERGENCY IT WILL AUTOMATICALLY OPENED - NDRAMAL ACCESS DOOR - PRESSURIZED SHAFT	Please clarify and confirm if which one is correct and to be follow for the Fire Dampers fire rating. It is the 1-1/2 hours or 2 hours. This is for our reference and pricing reference.	<i>Use 1.5 hrs. Updated Bid Documents will be issued in the next addendum or IFC</i>
92	Vol. 2, Part II, Section 6, Part I	GS 91	Book 1, GS100 128.1 - General 128.2 - Defect Liability	As stated, "The Defect Notification Period (DNP) shall be twelve (12) months from the date of issue of the relevant Taking Over Certificate". As stated in paragraph 3, "All works, including labor, replacement parts, spare parts and consumables, if required, shall be at the Contractor's expense".	1.) Please clarify and confirm if our understanding is correct that the Bidders / Contractors shall not perform and/or include in the one (1) year Defect Notification Period for the operation and maintenance of equipment, systems and the like. Yes or No. 2.) Please clarify and confirm if our understanding is correct that the Bidders / Contractors shall only provide recommended spare parts and consumables as stated in Sub-Clause 128.2, Item c), page GS 92, during the DNP period. Yes or No.	<i>All Contractors Responsibility as Stated in: 128.1 & 128.2.</i>
93	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-PL-5801, REV9	Blumentritt Station - Plumbing - General Notes, Abbreviation and Legends		1.) Please clarify and confirm that Bidders / Contractors can propose other brand name or equivalent for the water meter. Yes or No. 2.) Please clarify and confirm that the Engineer / Client shall accept the supply complete with seal for the water meter coming from the water supply utility company. Yes or No.	<i>1. NO, Water Meter is scope of Water Supply Utility Company. 2. YES</i>

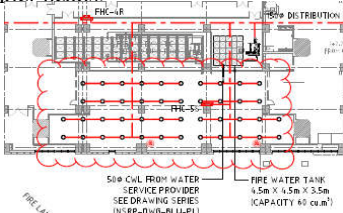
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94	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-ME-5608, REV9	Blumentritt Station - Mechanical Ventilation Installation Layout Ground Level	Provision for insulation for HRV Supply and Exhaust Air Duct Insulation, reference General Notes: Item No. 18), reference drawing NSRP-DWG-BLU-ME-5501	Please clarify and confirm whether the supply and exhaust air duct insulation for all Heat Reclaim Ventilation (HRV) shall be inclusive for the ducting works and tender BOQ. Yes or No.	<i>Yes, cost for the air duct insulation is included to the cost of Duct Works pay items. Please refer to TS 605.4.1 - Method of Measurement for Ductworks and Accessories for guidance.</i>
95	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-ME-5616, REV9	Blumentritt Station - Mechanical Ventilation Installation Layout Concourse Level	W=550mm, H=550mm Air Louvers (Door Louvers) along Gridline 4/B	Please clarify and confirm our understanding is correct that the Door Louver shall be under architectural works. Yes or No.	<i>Yes. Updated Drawings will be issued in the next addendum or in the IFC</i>
96	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-ME-5616, REV9	Blumentritt Station - Mechanical Ventilation Installation Layout Concourse Level	Missing BOQ Pay Item for W=150mm, H=150mm Air Louvers	Please provide the correct BOQ Pay Item for the W=150mm, H=150mm Air Louvers as shown on the tender design drawings. This is for our reference and pricing purposes.	<i>BoQ Pay item 527(12) L12:W=150mm x H=150mm Aluminum Powder Coated Mechanical Exhaust/Intake Air Louver No more 150 x150mm Air louvers as per latest drawing of NSRP-DWG-BLU-ME-5616 REV9</i>

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97	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-ME-5608, REV9	Blumentritt Station - Mechanical Ventilation Installation Layout Ground Level	<p><u>Exhaust Air Grilles:</u> Missing BOQ Pay Item for W=1,050mm, H=700mm Exhaust Air Duct Register (EAR) along Gridline E / 14 to 16 Missing BOQ Pay Item for W=750mm, H=250mm Exhaust Air Duct Register (EAR) along Gridline D / 13 to 16</p> <p><u>Supply Air Grilles:</u> Missing BOQ Pay Item for W=750mm, H=250mm Supply Air Duct Register (SAR) along Gridline C / 13 to 16</p>	<p>Please provide the correct BOQ Pay Item for the missing Exhaust Air Grilles and Supply Air Grilles as shown in the tender design drawings. This is for our reference and pricing purposes.</p> 	<p><i>Please refer to issued Addendum 4 BOQ under GBB No. 11 which now includes the previously missed items as follows:</i></p> <p><i>PIN 605(4)i --- W= 1050mm, H = 700mm Air Register (6 nos.)</i></p> <p><i>PIN 605(4)j --- W= 750mm, H = 250mm Air Register (12 nos.)</i></p>
98	Vol. 2, Part II, Section 6, Part 1	TS600-195	Book TS600 TS630.2.1.1 - Piping	Piping material for Fire Fighting System	<p>Please clarify and confirm the specification of Black Steel Pipe for the Fire Fighting Sprinkler piping for our pricing purposes and reference.</p> <p>1.) Is it seamless or ERW? 2.) Is it Schedule 40 or Schedule 80?</p>	<p><i>1. Seamless</i> <i>2. Schedule 40</i></p> <p><i>Updated TS will be issued in the next addendum or in the IFC</i></p>

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99	<p>Vol. 2, Part II Section 6, Part II</p> <p>Vol. 2, Part II, Section 6, Part I</p> <p>Vol. 1A, Part I</p>	<p>NSRP-DWG-BLU-SN-6104, REV9</p> <p>NSRP-DWG-BLU-SN-6126, REV9</p> <p>NSRP-DWG-BLU-SN-6012, REV9</p> <p>TS600-155</p> <p>BOQ - 50</p>	<p>Blumentritt Station - Sanitary - Installation Ground Level</p> <p>Blumentritt Station - Sanitary - Installation Elevated Pedestrian Walkway</p> <p>Blumentritt Station - Sanitary - Typical Details Sheet 2</p> <p>Book TS600 TS615.4.1</p> <p>T/S No. 615(2) - Elevator Sump Pumps</p>	<p>Elevator Pump Schedule - 2 units</p> <p>Elevator Pump Schedule - 1 units</p> <p>Drainage Sump Pit Detail 8 - Duplex Submersible Non-Clog Sump Pumps</p> <p>Sump Pump for Elevator Pit - Item 4)a -Duplex Submersible Pumps</p> <p>Elevator BOQ - 2 Units</p>	<p>1.) Please clarify and confirm if which one is correct for Elevator Sump Pumps - Duplex Submersible Pumps, it is one (1) unit or two (2) units. This is for our pricing purposes.</p> <p>2.) Please clarify and confirm which is correct for BOQ Pay Item - 615(2) - Sump Pump for Elevator Pit, it is two (2) units or four (4) units. If four (4), please revise the BOQ's for the Elevator Sump Pumps. This is for our reference and pricing purposes.</p>	<p><i>1. Elevator Sump Pumps would be a total of 3 units. 2 units for Ground Floor Level and 1 unit would be for Elevated Pedestrian Walkway.</i></p> <p><i>2. Refer to PIN 615(2) in Addendum 4. GBB-11.</i></p> <p><i>PIN 615(2) Details - Elevator Sump Pump for Station Building; Capacity: 13.36 11.36 m3/hr; 15.70 m TDH (3sets)</i></p>
100	Vol. 2, Part II, Section 6, Part 1	NSRP-DWG-BLU-EL-5104	Blumentritt Station - Electrical - Earthing Installation Layout Ground & Intermediate	120mm ² Bare Copper Wire is in 20mmØ (½"Ø) PVC pipe	Please clarify if 120mm ² Bare Copper Wire is in 20mmØ (½"Ø) PVC pipe or is it better to be in 32mmØ (1"Ø) PVC pipe. Yes or No. If "32mmØ (1"Ø) PVC pipe", please provide the correct BOQ Pay Item No. for our pricing purposes.	<i>For item 1 & 2 .Kindly refer to Addendum-3, GBB-10; NSRP -DWG-BLU-EL-5500 notes for the number of wires for single phase and 3 phase.</i>

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101	Vol. 2, Part II, Section 6, Part 1	NSRP-DWG-BLU-EL-5501 to NSRP-DWG-BLU-EL-5512, REV9	Blumentritt Station - Electrical - Panel Board Load Schedule	Number of Wires for 3 Phase	1.) Please provide the number of wires if the loads are three (3) phase as shown in the tender design Panel Board Load Schedules. This is for our reference and pricing purposes. 2.) Please provide the type/s and size/s of pipes/conduits for General Lighting and Power and Equipment because only the cable sizes are reflected in Load Schedule.	<i>For item 1 & 2 .Kindly refer to Addendum-3, GBB-10; NSRP -DWG-BLU-EL-5500 notes for the number of wires for single phase and 3 phase.</i>
102	Vol. 2, Part II, Section 6, Part 1 Vol. 1A, Part I	TS600-167 & 168 BOQ 50 & 51	Book TS600 TS619.2 - Products T/S 619(1) to 3 - Plumbing Fixtures	Water Closet, Urinals & Lavatory Auto Flush Sensor Power Supply	Please provide the required power supply and the design plan layout wire/cables for the Plumbing Fixtures Auto Sensor for the Water Closet, Urinals and Faucets. This is for our refence and pricing purpose.	<i>It is confirmed that there are no sensors but manual flushing only.</i>
103	Vol. 2, Part II, Section 6, Part 1	NSRP-DWG-BLU-EL-5900, REV9	Blumentritt Station - Electrical - Photovoltaic Generator System Schematic	Location of Panel DBISO	Please provide the location of future Panel DBISO for reference purposes.	<i>1)Kindly refer to Addendum-1, GBB-7; NSRP-DWG-BLU-EL-5205 for the blow up drawing of the location of DBISO.</i>
104	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-SN-6104, REV9	Blumentritt Station - Sanitary - Installation Ground Level	Septic Tank before Waste Water Treatment Plant (WWTP)	1.) Please clarify and confirm if a Septic Tanks is necessary in the design of Sanitary system discharge before the Waste Water Tank in order to collect the solids entering the WWTP and to avoid the damage of the MBR membrane which is expensive. Yes or No. 2.) If "YES", please provide the detail of Septic Tank and BOQ Pay Item No. for our reference and pricing purposes.	<i>1. NO. 2. N/A</i>
105	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-E-5701, REV9	Blumentritt Station - Electrical - Fire Alarm System Schematic Diagram	Emergency Relay, "ER"	Please provide the specification requirement and usage for the Emergency Relay, "ER". This is for our reference and pricing purposes.	<i>The emergency relay is for fire shutter door .</i>

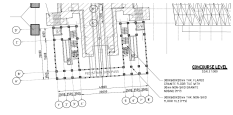

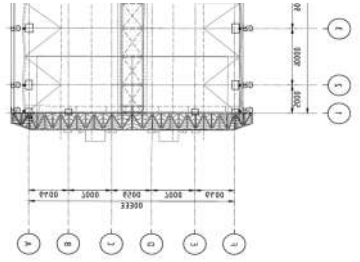
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106	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU- E-5811 to 5813, REV9	Blumentritt Station - Electrical - CCTV Layout Concourse Level	Type of Camera	Please clarify and confirm which one is correct for the type of camera. Is it Fixed type or PTZ type..	<i>1) Dome type</i> <i>Updated Drawings will be issued in the next addendum or in the IFC</i>
107	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU- E-55422, REV9	Blumentritt Station - Electrical - Convenient Outlet Layout Concourse Level	Duplex Receptacle, Grounding Type with Disaster	1.) Please clarify and confirm if the Duplex Receptacle, 15A, 250V, 3W, Grounding type with DISASTER are included in our scope work. Yes or No. 2.) If "YES", please provide the BOQ Pay Item for our pricing purposes.	<i>1) Yes. Included in the Contractor's scope.</i> <i>2. Please refer to PINs 708(5)a,b,c&d in Addendum 4.</i> <i>708(5)a - Duplex Receptacle, 15A, 250V, 3W Grounding Type, Flush Mounted in Wall - 91sets</i> <i>708(5)b - Duplex Receptacle, 15A, 250V, 3W Grounding Type, Flush Mounted in Wall, WP - 138sets</i> <i>708(5)c - Duplex Receptacle, 15A, 250V, 3W Grounding Type, Flush Mounted in Wall, GFCI - 27sets</i> <i>708(5)d - Duplex Receptacle, 15A, 250V, 3W Grounding Type, Floor Mounted, 14sets</i>

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108	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-PL-5841 and 5821	Blumentritt Station - Plumbing Installation Platform Level Blumentritt Station - Plumbing Plumbing Schematic and Isometric	Hose Bibb Location	As per NSRP-DWG-BLU-PL-5841 and 5821, Schematic diagram, Hose bibb is located at Concourse Level , while as per NSRP-DWG-BLU-PL-5841, Hose bibb are located in Flat form Level, kindly confirm which shall prevail.	<i>Hose Bibb will be on Platform. Updated Drawings will be issued in the next addendum or in the IFC</i>
109	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-SN-6102	Strom Drain Isometric Layout	Excavation, Back filling and sand bedding	As per NSRP-DWG-BLU-SN-6102, below the ground pipe and catch basin, the excavation, back filling and sand bedding works are NOT included in our scope, kindly confirm.	<i>Please note the clarification below: Excavation, backfilling, and sand bedding are not included in the cost of underground pipes and catch basin. Excavation, backfilling, and sand bedding are included in the cost of underground pipes and catch basin. Refer to TS 607 Pipework's and Accessories</i>
110	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-FS-6608; Rev 9	Blumentritt Station - Fire System - Fire Water Schematic Ground Level and Intermediate Level	Pipe Line	Please provide the Pipe size for Pipe line connection of Sprinkler heads. 	<i>Please refer to updated drawing NSRP-BLU-FS-6608 Addendum-3 GBB-10; for pipe sizes.</i>

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111	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-FS-6511; Rev 9	Blumentritt Station - Fire System - Fire Systems Typical details sheet 1	Fire Hose Cabinet	Please clarify what type of fire hose jacketed to be used since it is not given in the drawing and specification. Single or Double Jacketed?	<i>Use Cotton Firehose Double Jacketed. Updated Drawings will be issued in next addendum or in the IFC</i>
112	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5701, REV9	Blumentritt Station - Electrical - Fire Alarm System Schematic Diagram	Emergency Relay	Please confirm that Emergency Relay is part of our scope. If so, kindly provide specification and usage.	<i>Yes. Emergency Relay used in Fire Shutter Door is under CP S-01.</i>
113	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5701, REV9	Blumentritt Station - Electrical Fire Alarm System Schematic Diagram	1. FDAS Cable and Looping	1.) Please confirm that the cable and conduit to be used FAAP to FACP is 1.25mm ² STP Screened Fire Resistant Cable in 20mmØ IMC. 2.) Please confirm that Fire Alarm Horn with Strobe Light is with the same loop as the Manual Call Point.	<i>1. Yes. 1.25mm² STP Screened Fire Resistant Cable will be used in FAAP to FACP. Refer NSRP-DWG-BLU-EL-5701. Addendum-3 GBB-10. 2. Yes.</i>
114	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5706, REV9	Blumentritt Station - Electrical - Toilet Emergency Call System Schematic Diagram	Toilet Emergency Call System conduit	Please provide the conduit type and size to used.	<i>Cable and conduit size for Toilet Emergency Call System from Control Panel to LP_UPS shall be 2-3.5mm² THHN + 3.5 TW(G) IN 20mmØ IMC. Refer NSRP-DWG-BLU-EL-5706. Addendum-3 GBB-10</i>

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115	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5011, NSRP-DWG-BLU-EL-5508	Blumentritt Station - Electrical - Low Voltage Power Single Line Diagram 1 & Electrical Panel board Schedule Sheet 9	Panel board Schedule & Single Line Diagram	Kindly clarify the difference in incoming protection rating for panel board LPC5 and LPC6 between panel board load schedule and single line diagram. Which will prevail?	<i>Ratings of LPC5 and LPC6 incoming protection between panelboard load sched and single line diagram are tally. Refer NSRP-DWG-BLU-EL-5011 and NSRP-DWG-BLU-EL-5508, Addendum-3 GBB-10.</i>
116	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-EL-5513	Blumentritt Station - Electrical - Cable Schedule Sheet 1	Panel board schedule & cable schedule	Kindly clarify the difference in wiring cables to be used for panels LPN5 & PPG6 between panel board load schedule & electrical cable schedule. Which will prevail?	<i>Refer NSRP-DWG-BLU-EL-5513, Addendum-3; GBB-10.</i>
117	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-SN-6104, REV9	Blumentritt Station - Sanitary - Installation Ground Level	By-Pass Line to Maynilad Sewer (Future)	1.) Please clarify and confirm if the By-Pass Line to Maynilad Sewer (Future) is not under MCRP CP-S01 package scope of work. Yes or No. 2.) Please clarify and confirm if local government and/ or other government environmental agencies shall allow to discharge the soil and waste directly discharge with the storm drainage. Yes or No.	<i>1. Yes 2. No. Soil coming from WC and URI will be connected to WWTP while Waste coming LAV, SHO and FD can be discharge to Civil Drainage after treatment.</i>
118	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-SN-6102, REV9 NSRP-DWG-BLU-SN-6112, REV9	Blumentritt Station - Sanitary - Storm Drain Isometric Lay-out Blumentritt Station - Sanitary - Installation Roof Plan	GD - Gutter Drain RD - Roof Drain	Please clarify and confirm if which to be follow and correct to be install, is it the Gutter Drain (GD) or the Roof Drain (RD).	<i>Gutter Drain (GD). Updated Drawings will be issued in the next addendum or in the IFC</i>

No.	Volume & Section No.	Page No.	Clause No./Title	Reference Text	Clarification Request	Final Response
119	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-SN-6102, REV9 NSRP-DWG-BLU-SN-6104, REV9 NSRP-DWG-BLU-SN-6112, REV9	Blumentritt Station - Sanitary - Storm Drain Isometric Lay-out Blumentritt Station - Sanitary - Installation Ground Level Blumentritt Station - Sanitary - Installation Roof Plan	Correct Downspout Sizes	In the Schematic Diagram DS-1, DS-20, DS-21 & DS-40 the downspout sizes are 150mm diameter, but in the plan drawings the downspout sizes are 100mm diameter. Please clarify and confirm if which one is correct for the downspout sizes, is it 150mm or 100mm diameter. This is for our reference and pricing purposes.	<i>For DS-1, DS-20, DS-21 & DS-40 pipe size would be 100mm diameter. And for the rest of DS pipe would be 150mm. Updated Drawings will be issued in the next addendum or in the IFC</i>
120	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-FS-6621, REV9	Blumentritt Station - Fire System - Pump Room Layout And Fire Reserved Details	Fire Water Tank, Fire Pumps and Control Panel Plinth / Foundations	Please clarify and confirm that all Fire Water Tank, Fire Pumps and Control Panel plinth / foundations will be under Civil BOQ and scope of works. Yes or No.	<i>The concrete plinth/foundation is part of the equipment itself as incidentals necessary to complete the works prescribed in the Item. Please refer to TS 615.4.1 Method of measurement.</i>
121	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-PL-5851, REV9	Blumentritt Station - Plumbing - Water Tank Plan and Section	Domestic Water Tank Plinth / Foundations	Please clarify and confirm that the Domestic Water Tank plinth / foundations will be under Civil BOQ and scope of works. Yes or No.	<i>The concrete plinth/foundation is part of the equipment itself as incidentals necessary to complete the works prescribed in the Item. Refer to TS 615.4.1 Method of measurement.</i>

No.	Volume & Section No.	Page No.	Clause No./Title	Reference Text	Clarification Request	Final Response
122	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-PL-5851, REV9	Blumentritt Station - Plumbing - Water Tank Plan and Section	Water Tank and Booster Pump Suction Pipe Size and Valve Sizes	1.) Please provide the correct pipe and valve size for the water tank and booster pump suction pipe for our reference and pricing purposes. 2.) Please provide the valves sizes within the Booster pump design lay-out for our reference and pricing purposes.	1. 80mm 2. 80mm <i>Updated Drawings will be issued in the next addendum or in the IFC</i>
123	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-SN-6112, REV9 NSRP-DWG-BLU-AR-3411, REV9	Blumentritt Station - Sanitary - Installation Roof Plan Blumentritt Station - Wall Section Sheet 1	RD - Roof Drain  GD - Gutter Drain 	In sanitary drawing it shows Roof Drain (RD) but in architectural drawings it shows Gutter Drain (GD). Please clarify and confirm if which one is correct and to be follow between the Roof Drain (RD) and the Gutter Drain (GD) for our reference and pricing purposes. 	<i>Gutter Drain Updated Drawings will be issued in the next addendum or in the IFC</i>
124	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU-SN-6124, REV9	Blumentritt Station - Sanitary - Installation of Elevated Walkway - Ground Level	Catch Basin (CB)	1.) Please clarify and confirm if the twenty two (22) numbers of catch basin are included under Civil scope of work. Yes or No. 2.) Please clarify and confirm if the twenty two (22) numbers of catch basin are included under BOQ Pay Item No. 607(4)a, page no. BOQ-52. Yes or No. 3) If "NO", please clarify and confirm the correct BOQ Pay Item No. for our reference and pricing purposes. revise the BOQ quantities under BOQ Pay Item No. 607(4)a, page no. BOQ-52, for our pricing reference.	1. Yes <i>Correct BOQ Pay Item is PIN 607(4)a. Refer Addendum-4; GBB-11.</i>

No.	Volume & Section No.	Page No.	Clause No./Title	Reference Text	Clarification Request	Final Response
125	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU- SN-6124, REV9	Blumentritt Station - Sanitary - Installation of Elevated Walkway - Ground Level	Material for 100mm Downspout (DS)	<p>1.) Please clarify and confirm if what type of material are required for the 100mm diameter downspout (DS) for our pricing purposes.</p> <p>2.) Please clarify and confirm all 100mm diameter downspout (DS) if on what BOQ Pay Item shall it be included.</p>	<p><i>1. Stainless Steel.</i></p> <p><i>2. PIN 607(3)i Details:- 100 mm Dia. Stainless Steel (SS) Rain Water Pipe DELETED in Addendum 4. GBB-11.</i></p> <p><i>2. PIN 607(3)i --- 100 mm Dia. Stainless Steel (SS) Rain Water Pipe (120 l.m.) - Addendum-4; GBB-11.</i></p>
126	Vol. 2, Part II Section 6, Part II	NSRP-DWG-BLU- SN-6125, REV9	Blumentritt Station - Sanitary - Installation of Elevated Walkway Layout	Material for 75mm Downspout (DS) & Size of Floor Drain	<p>1.) Please clarify and confirm if what type of material are required for the 75mm diameter downspout (DS) for our pricing purposes.</p> <p>2.) Please clarify and confirm all 75mm diameter downspout (DS) if on what BOQ Pay Item shall it be included.</p> <p>3.) Please clarify and confirm the type of material and the sizes for all the floor drains for our pricing purposes.</p>	<p><i>1. Stainless Steel.</i></p> <p><i>2. BOQ PIN 607(3)j</i></p> <p><i>3. Cast Iron Body with bronze or stainless cover strainer or approved equal and 50mm FD.</i></p>