| | Metro Manila Subway Project Phase 1 PACKAGE CP104: (ORTIGAS NORTH AND ORTIGAS SOUTH) | | | |
|-------------|--|---|--|--|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE | |
| | | Volume I Part 1: Bidding Procedures | | |
| 1. | I JICA SBD ITV-14 | Can partner companies in JV submit separate | It is required that one (1) Bid Security shall be issued | |
| | Clause C sub-clause 19.2 (a) | Bid Securities in the name of JV (as mentioned in sub-clause 19.7) or there should be one Bid | in accordance with ITB 19.7. | |
| | Separate Bid Security for JV | Security? In our case, is it ok to submit 3 | | |
| | partners: | separate Bid securities in the name of JV? | | |
| | Sub-clause 19.2 (a) states that: | | | |
| | "The Bid Security shall be a demand | | | |
| | guarantee in any of the following | | | |
| | forms at the Bidder's option: | | | |
| | (a) an unconditional guarantee issued | | | |
| | by a bank or financial institution | | | |
| | (such as an insurance, bonding or | | | |
| | surety company); | | | |
| | (d)BDS, | | | |
| 2. | IV 41 III | Please confirm if we are not required to submit | The Bidder is required to fully comply with | |
| | 3.6 3.7 BF-41 Clause 1.1.5 | method statements for item 3.6 and 3.7 as this | requirements stated in METHOD OF | |
| | | information is covered under BF-46 to BF-48. | IMPLEMENTATION OF THE WORKS on Page | |
| | Need of method statement for item | Please confirm. | BF-41, irrespective of provisions in Section III Clause | |
| | no. 3.6 and 3.7 mentioned in BF-41: | | 1.1.5 and requirements for the List on Pages BF-46 | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|---|--|
| | Under Section IV Bidding forms it is | | and 47. |
| | mentioned in BF-41 that Contractor | | Items 3.6 and 3.7 on Page BF-41 are not exceptional. |
| | needs to submit | | |
| | "3.6 Spare parts and consumable and | | |
| | remedying defect during Defect | | |
| | Notification Period : plan for supply of | | |
| | the spare parts and consumables and | | |
| | remedying the defect when notified by | | |
| | the Employer/the Engineer. | | |
| | 3.7 Supply spare parts during the | | |
| | period of the Employer's option period | | |
| | (2 years after the Taking Over of the | | |
| | Works)." | | |
| | However, | | |
| | Section III Clause 1.1.5 does not | | |
| | require above method statements. | | |
| 3. | IV BF-4 BF-46 | Please confirm if we have to submit BF-46 and | The Bidder can submit List of Contractual Spare |
| | | BF-47 separately as for (a) Contractual Spare | Parts, Consumables and Special Tools, Jigs and Test |
| | Need for separate forms for list of | Parts and (b) Contractual Consumables/ | Equipment on BF-46 and BF 47 as combined list. |
| | contractual spare parts, consumables | Mandatory Special Tools, Jigs and Test | |
| | and special tools, jigs and test | Equipment or we can submit it as combined list. | |

| 1 | | | |
|-------------|-------------------------------------|---|--|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | equipment: | | |
| | Item 8 of BF-4 mentioned: | | |
| | (a) Contractual Spare Parts | | |
| | (b) Contractual Consumables/ | | |
| | Mandatory Special Tools, Jigs and | | |
| | Test Equipment | | |
| | BF-46 and BF-47 contains only have | | |
| | one table | | |
| 4. | IV BF-4 8, 9 | Please confirm if we have to submit BF-46 and | The Bidder is required to submit BF-46 and BF-48 |
| | | BF-48 separately for T8 Contractual Spare | separately because they are different. |
| | Need for separate forms for list of | Parts and etc. and T9 Recommended Spare | |
| | contractual spare parts and special | Parts and etc. or we can submit it as combined | |
| | tools and recommended list: | list because their content is almost same which | |
| | Item 8 and 9 of BF-4 mentioned: | is about Spare Parts and special tools. | |
| | T8) Contractual Spare Parts, | | |
| | Consumables/ Mandatory Special | | |
| | Tools, Jigs and Test Equipment | | |
| | T9) Recommended Spare Parts, | | |
| | Consumables/ Mandatory Special | | |
| | Tools | | |
| 5. | VI GS App 8-24 App 8-25 | As these software are suggested by the | Since the cost of PMIS software will be fixed in the |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|-------------------------------------|--|---|
| | Appendix 8 Clauses 2.1.1 through | Employer, could we get the price range to be | provisional sum, there is no need to share the pricing. |
| | 2.1.6 | considered in the estimates? This will also help | |
| | | in reducing the risk of any undue advantage to | The cost will be provided by the appointed vendor |
| | Price for Bentley Software: | any of the Contractor who are using these on | upon start of works. |
| | The clauses required the Contractor | their other ongoing projects. | |
| | to use the various software from | | |
| | Bentley (nominated supplier). | | |
| 6. | VI GS | We understand that we are allowed to use MS | Project Wise Construction Management is a software |
| | App 8-25 App 8-18 | Project or Primavera instead of ProjectWise | to manage Project Cost and Contract Cost |
| | Appendix 8 | Construction Management. | Management, Not for Scheduling. The preferred |
| | 2.1.2 1.9.1 | Please confirm our understanding is correct. | project scheduling software is Primavera based on GS |
| | | | Section 110. The table clause 1.9.1 is only use for BIM |
| | Usage of other scheduling software: | | Technical Requirements as shown in Clause 1.9. It is |
| | Clause 2.1.2 Cost Management states | | used for BIM Modelling integration Scheduling (4D) |
| | that "The Contractor shall use | | only. |
| | ProjectWise Construction | | |
| | management to manage as a | | |
| | minimum the Requirements, Program | | |
| | Scheduling and Building Information | | |
| | Management (BIM)." | | |
| | However, the Table under Clause | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---------------------------------------|---|---|
| | 1.9.1 Software Platform mention that | | |
| | Contractor can use Bentley Navigator | | |
| | / Navisworks MS Project / Primavera / | | |
| | Synchro. | | |
| 7. | Section IV | The Bidder shall show, in outline, his proposed | None. The Employer does not consider any specific |
| | Bidding Forms BF-43 | layout of works area for: | location. |
| | Proposed use and reinstatement of | (a) The Contractor's Office and other | |
| | works area | facilities | |
| | | (b) Laboratory | |
| | | (c) Workshop | |
| | | (d) Warehouse and storage area | |
| | | (e) Concrete batching plant and mixing | |
| | | plant | |
| | | (f) Other necessary facilities | |
| | | | |
| | | | |
| | | | |
| | | Is there any location close to the site appointed | |
| | | by the Employer? | |

Volume IA Part 1 : Bill of Quantities(BOQ)

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|---|--|
| 8. | IV BOQ-4 |) Please confirm whether BOQ items should | a) The Costs for contractual spare parts, consumables |
| | 9 | include the cost of spare parts, consumables, | etc. are required to be filled out in relevant Pay Items |
| | | special tools and test equipment. | in revised Bill No.4 and No.5 in revised Bill of |
| | Pricing of Spare Parts etc in the BOQ | b) If yes then should these costs be for | Quantities to be published in a separate GBB. |
| | Items | Contractual Spares for a two year period of the | b) Details of Spare Parts etc.to be supplied by the |
| | "the Bidders will be required to | Defects Notification Period. | Contractorare described in revised GS 138 shown in |
| | submit a proposed breakdown of each | | Annex "C" of GBB No. 6. |
| | lump sum price as detailed below at | | |
| | the contract negotiation stage. | | |
| | 9-2) Further apportionment to items | | |
| | of (i) general requirement, (ii) | | |
| | equipment and material, (iii) | | |
| | transportation, (iv) installation, (v) | | |
| | related services and (vi) | | |
| | contractual spare parts." | | |
| 9. | VI TS3 10 | Please confirm that the requirements of | Contractor's scope is defined in tender documents. |
| | 101.1.1 | Attachment 7 of Article 29 of Japanese | |
| | Smoke Control System | Standard of "Technical Regulatory Standard on | |
| | The smoke control system design has | Japanese Railways" have already been | |
| | followed the Attachment 7 of Article | incorporated in the Employer's Specifications | |
| | 29 of Japanese Standard of "Technical | and Drawings and no further action is required | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|---|--|
| | Regulatory Standard on Japanese | of the Contractor. | |
| | Railways". | | |
| 10. | IVVI TS3 380 VI BOQ-67 | Please confirm TS3 (Type-A) is correct with | Rockwool & Glass wool shall be deleted from the TS |
| | 1212(1), 1212.2.1 DWG | Rock wool 25mm thickness 64 kg/m3 0.0035 | |
| | Duct insulation specification | W/(mK)' among 4 kinds of document, BOQ, TS# | |
| | discrepancy. | (Type-A), TS3 (Type-B) and the drawing | |
| | BOQ; Thermal Insulation; Rockwool; | | |
| | 64kg/cu.m; 0.035W/mK | | |
| | (Type-A)Twenty-five (25) mm thick, | | |
| | Elastomeric Closed Cell Rubberized | | |
| | Type (ANSI/ASTM C534) Thirty-two | | |
| | (32) kg/m³ for glass wool and | | |
| | sixty-four (64) kg/m³ for Rockwool | | |
| | Thermal conductivity (K) factor of | | |
| | $0.035~\mathrm{W/(m.K)}$ at twenty-five (25)°C | | |
| | (maximum) | | |
| | Or | | |
| | (Type-B)Twenty-five (25) mm thick, | | |
| | Completely Closed Cell, physically | | |
| | cross-linked Polyolefin foam Factory | | |
| | applied reinforced nine (9) µm thick | | |

| | | | , |
|-------------|-------------------------------------|---|---|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | aluminum foil adhesive One hundred | | |
| | twenty (120) kg/m 3 | | |
| | DWG; STN-MEP-VAC-CWD-1101 | | |
| | 'DETAIL OF EXTERNAL | | |
| | INSULATION FOR DUCT' | | |
| | FIBERGLASS WITH ALUMINIUM | | |
| | FOIL | | |
| 11. | IV Bidding Form | In case the actual cost corresponding to these | If the amount stated is insufficient, a Variation Order |
| | Section Bill of Quantities (BOQ), | items for the Provisional Sums goes beyond the | will be considered. |
| | Page BOQ-230, | amount stated in the table, we understand that | |
| | Schedule 3 Provisional Sum | the Employer will arrange additional fund to | |
| | | cover such portion. | |
| | Provisional Sum (PS) items and | Please confirm if our understanding is correct. | |
| | alloted costs: | | |
| | The amounts allotted for various PS | | |
| | items are mentioned in the table. | | |
| | , | Volume II Part2 Works Requirements | (GG) |
| | | Section VI Works Requirements – General Specifica | |
| 12. | VI GS | Please confirm that the Contractual Spares are | Please refer to Item No. 1 of Annex "B" of GBB No.6 |
| | 159 | required for the Employer's use during the | as to revised ITB 11.2 (h), which says as follows: |
| | 138.1 b) iii) | Defects Notification Period. | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--------------------------------------|--|--|
| | | | "List of Contractual Spare Parts, Consumables and |
| | VI GS | | Special Tools, Jigs and Test Equipment in accordance |
| | 163 | | with General Specification and Technical |
| | 138.5 b) | | Specification." |
| | Contractual Spares etc. | | |
| | (iii) Contractor spare parts, | | In this regard, please also refer to revised GS 138 |
| | consumables, and necessary tools | | contained in Annex "C" of GBB No.6. |
| | required for two (2) years operation | | |
| | and maintenance after the | | |
| | acceptance. | | |
| | b) Notwithstanding the quantities | | |
| | defined in the Spares Management | | |
| | Plan the quantities of Spare Parts | | |
| | shall be sufficient for the full | | |
| | operation of the Works for the five | | |
| | (5) years after the Contractor's | | |
| | Maintenance Period. ("Contract | | |
| | Spares"). | | |
| 13. | VI GS | Please confirm that, for the Permanent Works, | Yes, but if contractor want to generate temporary |
| | Appendix 1 | the Contractor is only obliged to check that the | opening or other modification related permanent |
| | 178 2.2 2) | forces imposed on the Permanent Works during | structure, contractor should verify no impact on |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|---|--|
| | 178 2.2 2 f) | construction will not exceed their structural | permanent structure. |
| | 180 2.3 2) | capacity. | b) It should be discussed with interface contractor, and |
| | Design of Permanent Works | b) Please confirm that the Contractor is not | contractor can claim, if there are any dispute from |
| | 2) Tunnel Structures | required to make design changes to the | Specification. |
| | Design and execution thereof shall | Permanent Works to suit the requirements of | |
| | also include, but not be limited to, the | Interfacing Contactors. | |
| | following: | | |
| | 2) f) Co-ordination with Interface | | |
| | Contractors for the integrated design | | |
| | for the transition between the related | | |
| | works and the Works in accordance | | |
| | with the Interface Requirements of | | |
| | Works Requirements | | |
| | 2) Footbridges | | |
| | The footbridges shall be constructed | | |
| | as designed. This work shall comprise | | |
| | \mathbf{design}, \dots | | |
| 14. | VI GS 235 | a) Please confirm that CP104 and CP106 are | Please refer GS Appendix 4. |
| | Appendix 4 2.3 Table Item 33 | each responsible for the supply and fixing of | |
| | | their own trackside brackets which support | |
| | Common Service Brackets | cables and pipes etc. | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---|---|---|
| | | b) Please confirm how the Contractor is to be | |
| | | paid for its trackside brackets since no BOQ | |
| | | item exists. | |
| 15. | II BDS-4 VI GS 159 | Please confirm that: | Firstly, please refer to Annex "B" of GBB No.6 as to |
| | 11.2 (h) 11.3 (d) 138.1 (d) | a) Technical Proposal T8 and Price Proposal P2 | revised ITB 11.2 (h) and "Technical Bid: Contents No. |
| | | should be for spares etc. for use by the Employer | 9 (T9)". |
| | Requirements of Bid Forms T8 and T9 | for the Defects Notification Period. | In this regard, please also refer to revised GS 138 |
| | Spare Parts | b) Technical Proposal T9 and Price Proposal P3 | contained in Annex "C" of GBB No.6. |
| | "The Bidder shall submit with its | should be for recommended spares etc. for use | |
| | Technical Bid the following additional | by the Employer for two years after the Defects | a) The Bidder's understanding is not correct. |
| | documents: | Notification Period. | The scope of Contractual Spare Partsetc. shall be |
| | 1. List of Contractual Spare Parts, | | confirmed under revised GS 138. |
| | Consumables and Special Tools, Jigs | | |
| | and Test Equipment. | | |
| | 2. List of Recommended Spare Parts | | b) The Bidder's understanding is not correct. |
| | and special tools for 2 years after the | | As to Recommended Spare Parts etc., please refer to |
| | Taking-Over of the Works upon | | Annex "B" and Annex "C" of GBB No. 6 which include |
| | receipt instruction from the | | revised GS 138. |
| | Employer." | | |
| | "The Contractor shall recommend | | |
| | spare parts and consumables | | |

| | | | T |
|-------------|--|--|---|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | including quantities and individual | | |
| | prices for the maintenance of all | | |
| | Systems included in the Contract for | | |
| | five (5) years after the completion of | | |
| | the Contractor's Maintenance | | |
| | Period." | | |
| 16. | VIGS | There is discrepancy about Engineers witness | In either case cited, there are a total of four (4) |
| | 20 106.1 | numbers between page 20 and 69. | personnel to attend from the Employer's side. |
| | 69 116.4.3 | Please confirm that a maximum of four people | |
| | | will attend any FAT. | |
| | Factory acceptance test | | |
| | Page 20 says that, | | |
| | The Contractor shall note that two (2) | | |
| | officers from the Employer and two (2) | | |
| | numbers of personnel from the | | |
| | Engineer will witness TBM Factory | | |
| | Test. In addition, | | |
| | E&M Building facilities | | |
| | Page 69 says that, | | |
| | the Engineer shall direct a maximum | | |
| | of four (4) delegates to attend and | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---|--|--|
| | witness each FAT. | | |
| 17. | VI GS 70 116.4.4 | Please confirm if out-of pocket (per-diem) is included or not. | Per-diem is included to be provided by the Contractor. |
| | Factory acceptance test | | |
| | Such costs shall include, but need not | | |
| | necessarily be limited to Transport | | |
| | (road, rail, air), Visa charges (if any), | | |
| | appropriate Accommodation including | | |
| | all meals, and an out-of pocket | | |
| | (per-diem) allowance to be determined | | |
| | on a case by case basis. | | |
| 18. | VI GS 88 118.5.5.3 | a) Please advise what action the Contractor is to | a) Requirements for Contractor are limited to |
| | Demobilization Plan | take to promote adjoining land use. | Coordination with local government units as stated in |
| | (a) Coordination with concerned local | b) Please confirm that reinstatement of public | clause. |
| | government units to promote | areas (roads etc.) and private land will be to the | b) That is correct. |
| | compatibility of adjoining land uses | condition that they were in when taken over by | |
| | with the intended subway project | the Contractor. | |
| | station including its exit and | | |
| | entrance; and (b) Allocation of at least | | |
| | 30% of total area of construction yards | | |
| | for green and open spaces, including | | |

| ITEM | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|------|---|--|--|
| NO. | but not limited to setting up of | | |
| | | | |
| | vertical and pocket gardens, mini | | |
| | open parks system to promote urban | | |
| | biodiversity | | |
| 19. | VI GS 107 118.11.1 d) ii) | Please confirm that if payment is withheld in a | Your understanding is correct. |
| | Payments for Environmental Work | month if the Engineer does certify compliance, | |
| | (ii) 60% shall be paid in equal | then that missing payment will be paid once the | |
| | instalments subject to certification by | issues are resolved and the Engineer once again | |
| | the Engineer of the Contractor's | certifies compliance. | |
| | compliance with all environmental | | |
| | issues contained in this GS 118 in the | | |
| | monthly interim payments | | |
| | commencing from the outset of the | | |
| | Works over the duration of execution | | |
| | of the Work; | | |
| 20. | VI GS 159 138.1 c) | If the Contractor is now expected to undertake | Please refer to Annex "B" and "Annex "C" of GBB No.6 |
| | Addendum No 9: Contractor's | maintenance of the CP104 Plant during the | as to revised GS 138. |
| | Maintenance Period | Defect Notification Period, then please provide: | |
| | | a) terms and conditions of the maintenance | |
| | | service, | |
| | | b) schedule of payments; | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--------------------------------------|---|---|
| | | c) BOQ Items for Contractor's Maintenance; | |
| | | d) location where maintenance is to take place; | |
| | | e) Contractor's use of maintenance | |
| | | equipment provided by CP106. | |
| | | f) Contractor's use of Contractual Spare | |
| | | Parts provided to the Employer. | |
| 21. | Volume II Part 2 Section VI - | The Bidder understands the design of | The Contractor will be required to carry out design of |
| | Works Requirements (GS), | permanent works is not included in this package | major Temporary Works including primary lining for |
| | Page 140 | so Professional Indemnity Insurance will not be | NATM etc. as set forth in General Specification and/or |
| | 130.2 Insurances | applicable. | Technical Specification. |
| | (g) Professional Indemnity Insurance | | |
| | (where applicable), | Is Bidder's understanding correct? | It would not be possible to deny that any error in such |
| | | | design could bring about economic loss and so on. |
| | And | | |
| | Volume IV Part 3 Section VIII – | | |
| | Particular Conditions (PC) | | |
| | Page – PC-10 | | |
| | Attachment-3 to Part A Schedule of | | |

| | | | T |
|-------------|---------------------------------------|---|--|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | Insurances | | |
| | 6. Professional Indemnity Insurance: | | |
| | The minimum limit of US\$25 million | | |
| | is required and it shall cover and be | | |
| | maintained until 2 years after the | | |
| | expiry of the Defects Notification | | |
| | Period. | | |
| | Se | Volume II Part2 Works Requirements ection VI Works Requirements – Technical Specific | ation (TS) |
| 22. | VI | The Fire Protection System components will be | The Contractor to follow specifications (one |
| | TS1 | provided based on the specification and codes to | manufacturer). |
| | 173. 618.1 | the approval of the relevant authorities. For | |
| | Manufacturer of Fire Protection | some equipment the supplier may require | |
| | System | components from various manufacturers and | |
| | All materials and equipment in the | not just a single manufacturer. | |
| | system shall be new and current | Please confirm that where it proves impossible | |
| | products of a manufacturer regularly | to provide components from only from one | |
| | engaged in the production of such | supplier, then this requirement will be waived. | |
| | materials and equipment. Where two | | |
| | or more pieces of equipment are | | |
| | required to perform interrelated | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|--|---|
| | functions, they shall be products of | | |
| | one manufacturer. | | |
| 23. | VI | Please confirm the Contractual consumables | Please refer to revised GS 138 contained in Annex "C" |
| | TS3 | shall be sufficient for two years operation during | of GBB No. 6 |
| | 32 | the Defects Notification Period. | |
| | 101.1.1 5) e) | | |
| | Supply of Spare Parts, Special Tools, | | |
| | Test Equipment and Consumable | | |
| | Also, the consumables material shall | | |
| | be of one year's quantity in | | |
| | accordance with the manufacturer's | | |
| | recommendation. | | |
| 24. | VI | Please provide the procedure under which all | These are prepared by contractor at the construction |
| | TS3 | contractors on the project will develop and agree | stage. |
| | 35 | the Combined Service Drawings and | |
| | 101.1.1 6) h) | Co-ordinated Installation Plan. | |
| | Combined Service Drawings | | |
| | (h) If so, directed by the Engineer, the | | |
| | Contractor shall prepare composite | | |
| | working drawings and sections at a | | |
| | suitable scale not less than 1:50, | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|---|---|
| | clearly indicating how his work is to | | |
| | be installed in relation to the work of | | |
| | other trades/contractors. If the | | |
| | Contractor installs his work before | | |
| | coordinating with other | | |
| | trades/contractors, or so as to cause | | |
| | any interference with work of other | | |
| | trades/contractors, he shall make the | | |
| | necessary changes in his work to | | |
| | correct the condition without any | | |
| | extra charge | | |
| 25. | VI TS3 133 1118.1.2 | Please confirm that DG means Diesel | Confirmed DG is Diesel Generator |
| | DG Backed Source | Generator. | |
| 26. | VI TS3 204 1126.1 | a) Please confirm whose scope it is to provide: | i to iii: by service provider. |
| | Telephone and Broadband System | i) Land line telephones | Iv: by contractor as shown in the plans |
| | Entire Telephone system shall be | ii) Mobile Telephone Signals | |
| | under Telephone service provider | iii) Broadband | |
| | $\operatorname{scope}.$ However, the provision such as | iv) piping, cable tray and other relevant work | |
| | piping, cable tray and other relevant | for the land line and mobile telephone system. | |
| | work for telephone system shall be | | |
| | provided by the work under the close | | |
| | | D 10 - 6 70 | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---------------------------------------|--|--|
| | coordination. This section of the | | |
| | specification described about general | | |
| | description of the system equipment | | |
| | however same shall be validated with | | |
| | service provider requirement. | | |
| 27. | VI TS3 223 1130.2.1 | Please confirm that the Contractor is to provide | UPS to be supplied as indicated in the plans and |
| | UPS Requirements | the UPS system as described in Clause 1114 and | Clause 1114.1 |
| | UPS Power Supplies The | any additional scope requirements of | |
| | requirements for the redundant UPS | Interfacing Contractors will be paid for under a | |
| | power supply of the BMS shall be | Variation Order. | |
| | coordinated with the respective | | |
| | Contractor. | | |
| 28. | VI TS3 236 1130.2.3 1) a) | a) Please confirm whose scope of work it is to | a) CP104 contractor |
| | Disaster Preventive Monitoring and | provide the DCMCP | b) Confirmed |
| | Control Panel: | b) Please confirm that all announcements will | |
| | (a) An Underground station shall | be made over the public address system | |
| | have a permanently manned disaster | provided by the CP106 contractor. | |
| | preventive monitoring control panel | | |
| | that collects information, conveys | | |
| | notifications and commands, makes | | |
| | announcements for passengers | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---------------------------------------|---|---|
| 29. | VI TS1 192 619.3 a) | a) Please confirm that there is no requirement | During execution, all temporary electrical works is |
| | | to remove or demolish any electrical equipment. | under contractor's scope of works. |
| | Demolition of Electrical Equipment | b) Please confirm that there is no requirement | After testing and commissioning, contractor should |
| | Remove and demolish equipment and | to co-ordinate provision of power within stations | switch to permanent electrical network coming from |
| | materials in such a sequence that the | and tunnels with any power provider. | the transformer |
| | existing and proposed plant will | | |
| | function properly with no disruption | | |
| | of power. Continuous service is | | |
| | required on all circuits and outlets | | |
| | affected by the work detailed in the | | |
| | contract, except where the DOTr or | | |
| | Private operator will permit an | | |
| | outage for a specific time. Obtain | | |
| | DOTr or Private operator's consent | | |
| | before removing any circuit from | | |
| | continuous service. | | |
| 30. | VI TS1 195. 619.11 | Please confirm that no removal and disposal or | During execution, all temporary electrical works is |
| | | relocation of any power supply equipment is | under contractor's scope of works. |
| | Removal and Relocation of Material | required. | After testing and commissioning, contractor should |
| | and Equipment | | switch to permanent electrical network coming from |
| | Carefully dismantle and salvage | | the transformer |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---|--|--|
| | electrical equipment, switches, | | |
| | fixtures, conduits, cables, wiring, and | | |
| | boxes, as necessary to carry out | | |
| | proposed changes. Rehabilitate and | | |
| | relocate items of equipment as | | |
| | required and as indicated or specified. | | |
| | Deliver material and equipment not | | |
| | indicated for reuse to DOTr for his | | |
| | disposal. Remove from site and | | |
| | dispose of material and equipment | | |
| | not indicated for reuse. | | |
| 31. | VI | Please provide drawings of any structures that | No plan of under pinning works, but contractor shall |
| | GS | will require underpinning. | propose any under pinning works, if necessary. |
| | 177 | | |
| | Appendix 1 | | |
| | 2.2 1) d) | | |
| | | | |
| | Underpinning | | |
| | d) Underpinning and protection of the | | |
| | existing buildings and structures | | |
| | wherever required, | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|-------------------------------------|---|--|
| 32. | VI TS2 461 | Concrete Hollow Block | a) Concrete Hollow Blocks should conform to Clause |
| | DWG 1046 | a) May we use concrete hollow blocks | 1046.2.3 Materials and comply all the required quality |
| | | conforming Philippine national standard rather | test as per DPWH Standard and Specifications. ITP to |
| | DWG Nos. STN-AR-A-OS/ON-0200 | than JIS A5406 which are not commonly | be submitted by Contractor for GC checking and |
| | states the following: | available especially shapes, in Philippines? | approval. |
| | 09 CONCRETE BLOCK, BRICK & | b) Please also confirm that thickness shall be | |
| | LIGHTWEIGHT CONCRETE | 150mm as shown in DWG Nos. | |
| | EXTERIOR WALL/INTERIOR WALL | STN-AR-A-OS/ON-9001 and BOQ, but not 200 | b) Confirm 150mm thickness as shown on the |
| | 200MM: CONCRETE BLOCK | mm. | drawings |
| | SHALL BE CONFORM TO JIS A5406 | | |
| | a) May we use concrete | | |
| 33. | VI TS2 471 | We cannot identify the pay items for concrete, | No, such costs are considered incidental to the wall |
| | DWG 1046.2.3 5) | reinforcing steel and formworks for the stiffener | construction and should be included in the unit price |
| | Stiffeners, Lintels, etc. for Conc. | columns, stiffener beams, stiffener frames, | for such wall construction. The construction shall |
| | Blocks | lintels, trimmer and corner bars, dowels, hobs, | comply with the relevant requirements of the |
| | DWG Nos. STA-S-OS/ON-3010 | RC up stand, capping beams, etc. May we | Philippine Building Codes. |
| | TYPICAL DETAILS | assume that those are included in the following | |
| | CONCRETE BLOCKS | items in Bill No. 4: | |
| | STN-AR-A-OS/ON-9001 | 900 900 (1) (c1) Structural Concrete (27.6 MPa) | |
| | TYPICAL WALL TYPE DETAILS | at 28 days m3 | |
| | BLK-01, BLK-02, BLK-03 | 902 902 (1) a1 Reinforcing Steel (Deformed), | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---------------------------------------|---|--|
| | | Grade 40 kg | |
| | | 902 902 (2) a2 Reinforcing Steel (Deformed), | |
| | | Grade 60 kg | |
| | | 903 903 (2) Formworks and Falseworks m2 | |
| 34. | VI TS2 185&186 1004.4.2 | These payment Items are not shown in the | Verified not listed in BOQ except 1004(2) a12 which is |
| | | BOQ. Please confirm if this item is included in | listed in Bill No. 4B. All are listed in TS. 1004(2)11 not |
| | Pay items for Hardware | our scope of works. | in drawings. |
| | 1004 (2) a7 Finishing Hardware | | |
| | Lockset – Electromagnetic Lock with | | |
| | Emergency Combination Detector Set | | |
| | 1004 (2) a12 Finishing Hardware | | |
| | Lockset – Panic Exit Device/Latch Set | | |
| | 1004 (2) c3 Finishing Hardware Bolts | | |
| | - Top Flush Bolt Set | | |
| | 1004 (2) g6 Finishing Hardware | | |
| | Hinges - SUS Bottom Rail Hinge | | |
| | w/Lockset Set | | |
| | 1004 (2) g7 Finishing Hardware | | |
| | Hinges - SUS Top Rail Hinge Set | | |
| | 1004 (2) g8 Finishing Hardware | | |
| | Hinges - Top & Bottom Pivot Set | | |

| | | | T |
|-------------|---------------------------------------|---|---|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | 1004 (2) 11 Finishing Hardware Seal - | | |
| | Neoprene Sponge Set | | |
| | 1004 (2) m Finishing Hardware | | |
| | Rollers - Top & Bottom Rollers Set | | |
| 35. | VI TS2 230 1011.4.2 | This payment Items are not shown in the BOQ. | Item is verified in TS and drawings but not listed in |
| | | Please confirm if this item is included in our | BOQ. |
| | Pay item for Roll-up shutter doors | scope of works. | |
| | 1011 (1) c FS Fire Shutter Door with | | |
| | Access Door Square Meter | | |
| 36. | VI TS2 275 1017.4.2 | This payment Items are not shown in the BOQ. | Included in TS |
| | | Please confirm if this item is included in our | |
| | Pay item for Roof drains with | scope of works. | |
| | strainers | | |
| | 1017 (1) Roof Drain with Strainer Set | | |
| 37. | VI TS2 291 1018.4.2 | These payment Items are not shown in the | Verified all items are not listed in BOQ except |
| | | BOQ. Please confirm if this item is included in | 1018(5)b9 which is listed in Bill No.4B |
| | Pay items for Ceramic tiles | our scope of works. | All in TS and drawings except 1018(5)b9 not in |
| | 1018 (5) b5 Glazed Ceramic Tile – | | drawings. |
| | 600x100x10 Linear Meter | | |
| | 1018 (5) b8 Glazed Ceramic Tile – | | |
| | 300x100x10 Linear Meter | | |

| | | T | T |
|-------------|---------------------------------------|---|---|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | 1018 (5) b9 Glazed Ceramic Tile – | | |
| | 200mm Threshold Linear Meter | | |
| | 1018 (8) a3 Stainless Steel Position | | |
| | Tactile Square Meter | | |
| 38. | VI TS2 319 1018.8.2 | These payment Items are not shown in the | 1018(3)a3– not in BOQ and drawings but in TS |
| | | BOQ. Please confirm if this item is included in | 1018(3)b4– not in BOQ but in TS and drawings |
| | Pay items for Granite tiles | our scope of works. | 1018(3)b6 – shown in BOQ not in TS and drawings |
| | 1018 (3) a3 Granite Stone Honed | | (same description with 1018 (3) b8) |
| | Finish – 200mm Threshold Linear | | 1018(3)b9– verified listed in BOQ, TS and drawing |
| | Meter | | 1018(3)b10- verified listed in TS and drawing but not |
| | 1018 (3) b4 Granite Stone Polished – | | BOQ |
| | 1200x80x25 Square Meter | | 1018(3)c2– shown inBOQ not in TS and drawings |
| | 1018 (3) b6 Granite Stone Polished – | | |
| | 600x150x25 Square Meter | | |
| | 1018 (3) b9 Granite Stone Polished – | | |
| | 30 mm Thick Linear Meter | | |
| | 1018 (3) b10 Granite Stone Polished – | | |
| | 20 mm Thick Linear Meter | | |
| | 1018 (3) c2 Granite Stone Flamed – | | |
| | 600x300x25 Square Meter | | |
| 39. | VI TS2 330 1020.4.2 | This payment Item is not shown in the BOQ. | Included in TS but not BOQ |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|--|---|
| | | Please confirm if this item is included in our | |
| | Pay item for Vinyl floor tiles | scope of works. | |
| | 1020 (3) Vinyl Tile – 200mm | | |
| | Threshold Linear Meter | | |
| 40. | VI TS2 402 1033.4.2 | This payment Item is not shown in the BOQ. | Included in TS but not BOQ |
| | | Please confirm if this item is included in our | |
| | Pay items for Metal deck | scope of works. | |
| | 1033 (3) Catwalk for Equipment | | |
| | Maintenance Lump Sum | | |
| 41. | VI TS2 402 1040.1.1 | We are unable to find the drawings and | Item is listed under miscellaneous metal work |
| | | schedules showing the extent of lath work. | STN-AR-A-ON-0201 |
| | Dwgs showing extent of lath works | Please identify them. | |
| | 1040 METAL LATH AND | May we also know which pay items we will price | |
| | ACCESSORIES | them on? | |
| | 2) Extent of lath work is shown on the | | |
| | Drawings including Schedules. | | |
| | | | |
| 42. | VI TS2 521. 1051.4.2 | This payment Item is not shown in the BOQ. | Not listed in BOQ and drawings, TS only. |
| | | Please confirm if this item is included in our | |
| | Pay item for Handrail | scope of works. | |
| | 1051 (5) b2 Stainless Steel Handrail | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--------------------------------------|--|---|
| | with Glass Railing and Door | | |
| | Linear Meter | | |
| 43. | VI TS2 557 1804.4.2 | This payment Item is not shown in the BOQ. | Verified listed in BOQ Bill No.4A and TS but not in |
| | | Please confirm if this item is included in our | drawing |
| | Pay item for Louver | scope of works. | |
| | 1804 (3) Extract Air Aluminium | | |
| | Louver with Insect Screen Square | | |
| | Meter | | |
| 44. | VI TS2 563 1805.4.2 | This payment Item is not shown in the BOQ. | Not listed in BOQ and drawings, TS only. |
| | | Please confirm if this item is included in our | |
| | Pay item for AFC floor cover | scope of works. | |
| | 1805 (1) a4 AFC Floor Cover Square | | |
| | Meter | | |
| 45. | VI TS2 637 1813.4.2 | This payment Item is not shown in the BOQ. | Verified listed in TS and drawings but not in BOQ |
| | | Please confirm if this item is included in our | |
| | Pay item for Room Identification | scope of works. | |
| | Signage | | |
| | 1813 (8) Room Identification Signage | | |
| | Lump Sum | | |
| 46. | VI TS2 | These payment Items are not shown in the | These Items are in BOQ BillNo.4A |

| | | T | T |
|-------------|---|--|---|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | 650 | BOQ. Please confirm if this item is included in | Roof Access Hatch Cover is shown in BOQ Bill No.4A |
| | 1814.4.2 | our scope of works. | Item 1814(1)e |
| | Pay item for Floor and wall access | | |
| | panels | | |
| | 1814 (1) a1 Floor Access Panel | | |
| | Precast Concrete Block 2-hr | | |
| | Fire-rated - 4500 x 4000 mm Number | | |
| | 1814 (1) a2 Floor Access Panel | | |
| | Precast Concrete Block 2-hr | | |
| | Fire-rated - $6000 \times 4000 \text{ mm}$ Number | | |
| | 1814 (1) b4 Wall Access Panel | | |
| | Standard Fire-rated - 5000×4500 | | |
| | mm Number | | |
| | 1814 (1) c1 Roof Access Hatch Cover | | |
| | Number | | |
| 47. | VI TS2 651&667 | Kindly identify the pay items for the sealants | Item is listed in TS and drawings under miscellaneous |
| | 1815.1.1 1) & 1815.4.2 | covering this clause 1815 since the sealants | metal work STN-AR-A-ON-0201 but not in BOQ |
| | | herein cover all sealants and required | |
| | Pay item for Sealants | accessories that are not furnished under other | |
| | 1815 Sealants (Not Used) - | TS Sections as stated in the sub-clause 1815.1.1 | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|-------------------------------------|--|---|
| | Corresponding material sealant | 1) | |
| | composed as part of material system | | |
| | Linear Meter | | |
| 48. | VI TS2 707 1819.4.2 | This payment Item is not shown in the BOQ. | Verified listed in TS and drawings but not in BOQ. |
| | | Please confirm if this item is included in our | |
| | Pay item for Skylight | scope of works. | |
| | 1819 (1) a Pre-fabricated modular | | |
| | glass roof Square Meter | | |
| 49. | VI TS 557 | This payment Item is not shown in the BOQ. | Please refer to BOQ dated 21 August 2020. Under Pay |
| | 1804.4.2 | Please confirm if this item is included in our | item no. 1804 (1) - Extruded Aluminum Vertical |
| | Pay item for Horizontal louver with | scope of works. | Louvers. |
| | insect screen | | |
| | 1804 (2) Extruded Aluminium | | |
| | Horizontal Louvers with Insect | | |
| | Screen | | |
| 50. | VI TS3 | Please confirm that all requirements for | Warranty requirements are separate from the Defects |
| | 417 1214.1.9 | warranty in the Specifications will be | Liability requirements which requires correction of |
| | 429 1215.1.10 | subordinated to the requirements of the | defect. |
| | 444 1216.1.8 | Conditions of Contract Clause 11 [Defects | A warranty is a guarantee of the integrity of a product |
| | 454 1217.1.6 | Liability] and that there is no requirement of | and of the <u>maker's</u> responsibility for it. |
| | 464 1218.1.6 | special warranty within special period. | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---|---|--|
| | 473 1219.1.4 | | |
| | Special warranty | | |
| | Page 417, for example; (b) Special | | |
| | Warranty: Manufacturer's standard | | |
| | form in which manufacturer agrees to | | |
| | repair or replace components of water | | |
| | units that fails in materials or | | |
| | workmanship within specified period. | | |
| 51. | VI TS-4 156 2100.3.3 b) and c) | i) Please define the term "Japanese Supplier" | 1) Guidelines for Procurement under Japanese ODA |
| | TBM Manufacture | ii) Please define the term "processed"; | Loans |
| | (b) Cutter motors, with gear reducers, | iii) Please confirm that the manufacturer is | 2) And Bidding Procedures SECTION V. ELIGIBLE |
| | seals for soil, and thrust jacks shall be | entitled to source component parts from any | SOURCE COUNTRIES OF JAPANESE ODA |
| | provided by a Japanese supplier; | country in the world provided compliance with | LOANS provide the necessary definitions. |
| | (c) TBM main body, Cutter Head, | Eligible Source Countries is maintained. | 3) The manufacturer must meet Eligible Source |
| | Drive Unit of Cutter, Erector and | | Country requirement as stated in Bidding |
| | structure of Screw Conveyor shall be | | Procedures |
| | processed and assembled in Japan; | | |
| 52. | Section VI | Does the Employer have a preferred brand for | Items approved by the Philippine Bureau of Fire |
| | MEP - (TS) | Mechanical, Plumbing and Fire protection | Protection |
| | Equipment | equipment? | |
| | Mechanical, Plumbing and Fire | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|--|---|
| | protection equipment | | |
| 53. | Section VI | As per Drawing numbers | Drawings shall be followed as they are results of SES |
| | MEP - (TS) | STN-MEP-BMS-ON-3771 to | simulation. |
| | Page 10 | STN-MEP-BMS-ON-3773 for Ortigas North | |
| | Tunnel Ventilation System | Station and drawings number | |
| | a) TVS System maintains the | STN-MEP-BMS-OS-3761 to | |
| | required temperature condition | STN-MEP-BMS-OS-3763 for Ortigas South | |
| | during normal (Piston Effect) and | Station, its indicated Master mode No and SES | |
| | congested conditions and ensures | Simulation scenario with required operating | |
| | smoke management in tunnel and | conditions. | |
| | station track areas during fire | | |
| | conditions. | The Bidder would like to clarify what shall | |
| | (b) The specific objectives of the TVS | follow those drawings or bidder to include the | |
| | design analysis have been as follows: | SES Simulation scenario for Identify and | |
| | (i) Identify environmental conditions | Confirmation. | |
| | in the tunnel during normal, | | |
| | congestion and fire emergency | | |
| | operations. | | |
| | (ii) Develop and confirm the | | |
| | functional requirements for the | | |
| | tunnel ventilation system and | | |

| | | T | T |
|-------------|---------------------------------------|--|---|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | equipment (such as fan duties). | | |
| | (iii) Confirm operating scenarios for | | |
| | normal, congestion and fire | | |
| | emergency modes. | | |
| 54. | Section VI | The Bidder would like to clarify the "Spare | Please refer to Annex "B" and "Annex "C" of GBB No.6 |
| | MEP - (TS), Page 32, | Parts" on what Clause or Specification shall follow, Appendix-1 of MEP – Technical | including revised GS 138, ITB and Specific Provisions |
| | e) Supply of Spare Parts, Special | specification or 138.1 (b) of General | related to Spare Parts, Consumable etc. |
| | Tools, Test Equipment and | Specifications. | |
| | Consumable, | | |
| | e) Supply of Spare Parts, Special | | |
| | Tools, Test Equipment and | | |
| | Consumable: | | |
| | The Contract Spares, as specified in | | |
| | the Section 138 of the General | | |
| | Specifications, shall be supplied by | | |
| | the Contractor. The Contract Spares | | |
| | shall be sufficient for the full | | |
| | operation of Permanent Works for a | | |
| | period of 2 (two) years after | | |
| | Contractor's Defect Notification | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|---------|----------|
| 110. | Period. The indicative Contract | | |
| | Spares' items and their indicative | | |
| | quantities are shown in the | | |
| | Appendix-1 of this document. | | |
| | However, the Contractor has to | | |
| | ensure that the total quantity to be | | |
| | supplied is within 2% of the total | | |
| | quantity installed or at least one for | | |
| | each critical equipment and identified | | |
| | under categories shown in 138.1 (b) of | | |
| | General Specifications. | | |
| | | | |
| | Section VI (GS), Page 159 | | |
| | 138.1 Details of Supply | | |
| | 138.1 Details of Supply: | | |
| | (b) The Spare Parts to be supplied by | | |
| | the Contractor shall consist of: (i) | | |
| | Commissioning Spares (as hereinafter | | |
| | defined); (ii) Contractor's | | |
| | Maintenance Spares (as hereinafter | | |
| | defined); and (iii) Contractor spare | | |

| | | | T |
|-------------|---|---|---|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | parts, consumables, and necessary | | |
| | tools required for two (2) years | | |
| | operation and maintenance after the | | |
| | acceptance. | | |
| 55. | Section VI | The Bidder would like to clarify the | Please refer to Annex "B" and "Annex "C" of GBB No.6 |
| | MEP - (TS), Page 32, | "Consumables" which Clause or specification | including revised GS 138, ITB and Specific Provisions |
| | e) Supply of Spare Parts, Special | shall follow, the one year indicated by MEP $-$ | related to Spare Parts, Consumable etc. |
| | Tools, Test Equipment and | Technical specification or two (2) years | |
| | Consumable, | indicated by 138.1 (b) (iii) of General | |
| | | Specifications. | |
| | Section VI | | |
| | (GS) Page 159 | | |
| | 138.1 Details of Supply | | |
| | Consumables quantity sufficient for a | | |
| | period of one year shall be supplied by | | |
| | the Contractor. | | |
| | (b) The Spare Parts to be supplied by | | |
| | the Contractor shall consist of: (i) | | |
| | Commissioning Spares (as hereinafter | | |

| | | T | T |
|-------------|-------------------------------------|--|--------------------------|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | defined); (ii) Contractor's | | |
| | Maintenance Spares (as hereinafter | | |
| | defined); and | | |
| | (iii) Contractor spare parts, | | |
| | consumables, and necessary tools | | |
| | required for | | |
| | two (2) years operation and | | |
| | maintenance after the acceptance | | |
| 56. | Section VI | The Bidder would like to clarify that it is needed | Dimming is not required. |
| | MEP - (TS) | to provide dimmable lighting fixtures in all | |
| | Page 136 | areas? If yes, what type of dimming controls we | |
| | 1118.2.2 LED Luminaire and Driver | are going to use (manual or BMS, etc.) | |
| | (viii) | | |
| | The LED light source shall be fully | | |
| | dimmable with use of compatible | | |
| | dimmers switch designated for low | | |
| | voltage loads. | | |
| 57. | Section VI | Conduits use for lighting and small power must | Linear Meter as per TS. |
| | MEP - (TS) Page 142 | be in "linear meter" but in the Bill of Quantities | |
| | 1118.4.2 Basis of Payment (Lighting | format for the Pay Item 1116, it is in per | |
| | System) | "points" units. | |

| TOTAL F | | OTTEDLEG | DEGDONGE |
|-------------|--|--|--------------------------------|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | | Can the Bidder use the per linear meter as per the specification? (This is the same for wires) | |
| 58. | Section VI | The Bidder would like to know which insulation | Use Flame retardant LSZH type. |
| | MEP - (TS) | for grounding should be used? | |
| | Page 150, Page 152 | | |
| | | | |
| | 1120 Electrical Wiring and | | |
| | Accessories | | |
| | 1120.2.2 (c) Grounding Wire | | |
| | On page 150 it states that: | | |
| | "Grounding conductors shall be of | | |
| | flame retardant, low smoke zero | | |
| | halogen (LSOH) and anti-termite | | |
| | type." while, | | |
| | on page 152 it states that: "Grounding | | |
| | wire: Moisture-resistant | | |
| | thermoplastic (TW), single conductor | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---------------------------------------|---|--|
| | together with branch circuit wires or | | |
| | feeders in raceway." | | |
| 59. | Section VI | As per the technical specification basis of | Use FRLSZH type. |
| | MEP - (TS), | payment, wires used for lighting and small | |
| | | power is in THHN while in the Lighting layout | |
| | Section VI | drawing, it is indicated "PVC insulated | |
| | MEP Drawings Ortigas North Station | FRLSHF". | |
| | Page 155, | The Bidder would like to know which shall | |
| | Dwg nos. STN-MEP-ELL-ON-3103 | govern? | |
| | 1120 Electrical Wiring and | | |
| | Accessories; and | The Bidder would like to clarify if the wire type | |
| | 1120.4.2 Basis of Payment | is in correct label of "PVC insulated FRLSHF" | |
| | | since PVC cannot be LSHF type, it contains | |
| | | halogen. | |
| | Dwg nos. STN-MEP-ELL-ON-3103 | | |
| 60. | Section VI | The drawing plans only reflect Cu/XLPE cables | Use Cu/XLPE cables without steel armor |
| | MEP - (TS) | and all without steel armor. | |
| | Page 157 | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---|--|--|
| | 1121 Low Voltage Power Cables; | The Bidder would like to confirm which will | |
| | 1121.1.1 (i) | prevail. | |
| | Technical Specifications states that: | | |
| | "Armouring shall be single flat/round | | |
| | wire of galvanized steel for multicore | | |
| | cables and aluminum (if required) for | | |
| | single core cable." | | |
| 61. | Section VI | The Bidder would like to confirm which shall | LV Feeders are all Flame retardant type with LSZH |
| | MEP - (TS) | govern. | and XLPE insulated as a minimum. For Feeders that |
| | Page 157, Page 158 | | are essential and will run during fire condition, type |
| | 1121 Low Voltage Power Cables; | The Bidder would like to clarify if all LV power | shall be LSZH, Fire-rated cables. |
| | 1121.1.2 Summary; | cables are fire-rated, or only those stated as | |
| | 1121.2.1 General (b) | fire-rated? | |
| | | | |
| | "All low voltage power cables shall be | | |
| | of $600/1000\mathrm{V}$ grade fire resistant type | | |
| | with Low Smoke and Fume (LSF) and | | |
| | zero halogen and Cross-Linked | | |
| | Polyethylene (XLPE) insulated as per | | |
| | Philippine Electrical Code" | | |
| | i imppine Electrical Code | | |

| ITEM | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|------|------------------------------------|--|--|
| NO. | "All cable insulation shall be low | | |
| | smoke non-halogen compound | | |
| | (LSZH), Fire Rated cables for few | | |
| | feeders which will run during Fire | | |
| | Condition." | | |
| 62. | Section VI | The Specification did not indicate the | Telephone service provider scope of work. |
| 02. | MEP - (TS) | requirement of PABX. | reteptione service provider scope of work. |
| | Page 204 | requirement of rADA. | |
| | rage 204 | | |
| | | The Bidder would like to request the Employer | |
| | 1126 Telephone and Broadband | to provide the requirement of PABX. | |
| | Distribution System | | |
| 63. | Section VI | Work requirements Technical Specifications | Entire Telephone system shall be under Telephone |
| | MEP - (TS) | and System Schematic diagram for Telephone | service provider scope. However, the provision such as |
| | Page 205, | system draws opposite meaning. | piping, cable tray and other relevant work for |
| | DWG No. STP-MEP-ELV-ON-2044 | | telephone system shall be provided by the work under |
| | | The Bidder would like to clarify the scope of | the close coordination. |
| | | work for Telephone system in package CP104. | |
| 64. | Section VI | The Bidder would like to clarify that Galvanized | Both are acceptable, Contractor is free to decide. |
| | MEP - (TS) | iron seamless or ERW? | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---|---|-------------------------|
| | Page 339 1209.2.1 Technical Requirements 1) Piping, (b) Chilled and Condenser water piping, (i) Nominal bore 50-150mm: Galvanized Iron (GI) also (d) Condenser water piping shall be of GI as per ASTM A-53 heavy grade for pipe NB 50-150mm. | | |
| 65. | Section VI MEP - (TS) Page 363 1211.2.1 Technical Requirements 2) Smoke Exhaust Duct, (b) Smoke Exhaust duct shall be thermally insulated with fifty (50) mm-thick Rockwool Mineral Board Insulation, with 96kg/m3 density. | 2) Smoke Exhaust Duct, (b) Smoke Exhaust duct shall be thermally insulated with fifty (50) mm-thick Rockwool Mineral Board Insulation, with 96kg/m3 density but as per BOQ thermal insulation will be insulflex 40mm thick with 96kg/m3 density. The Bidder would like to clarify which shall prevail? | TS to prevail over BOQ. |
| 66. | Section VI MEP - (TS) Page 380 1212.2.1 Technical Requirements The specification of air conditioning | The Bidder would like to clarify can we follow the Rockwool, 25mm thick64kg/cu.m, 0.035W/mK | TS to prevail over BOQ. |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|---|--|
| | duct insulation has discrepancy | | |
| | among Bill of Quantities, Technical | | |
| | Specification and Drawings. In | | |
| | accordance with 1.5 Priority of | | |
| | Documents in GC_CDS_PC_CF, we | | |
| | apply Rockwool, 25mm | | |
| | thick 64kg/cu.m, $0.035\mbox{W/mK}.$ Please | | |
| | confirm. | | |
| | | | |
| | Bill of Quantities: Rockwool: | | |
| | 64kg/cu.m; 0.035W/mK | | |
| | Technical Specification: Closed Cell | | |
| | Rubberized or Polyolefin with | | |
| | aluminum foil, 25mm thick, | | |
| | 64kg/cu.m; 0.035W/mK | | |
| | Drawings: Fiberglass with aluminum | | |
| | foil. | | |
| | | | |
| 67. | Section VI | The drawings did not indicate on where to use | Contractor to decide as per standard industry or local |
| | MEP - (TS) | Type A and Type B. | practice. |
| | Page 380 | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---|---|---|
| | 1212.2.1 Technical Requirements | The Bidder would like to request the Employer | |
| | 1) Duct Insulation, | to provide drawings indicating on where the | |
| | (a) Type-A Insulation and | types of insulation are. | |
| | (b) Type B Insulation | | |
| 68. | Part 2 | According to Kyoto protocol, Global Warming | Better refrigerant if available is preferred. |
| | MEP - (TS) | Potential (GWP) is the computation for green | |
| | Page 393 | house emission into comparable CO2 | |
| | 4)Refrigerant | equivalents when computing overall sources and | |
| | (a) R410A refrigerant shall be | sinks. The used of R410A as refrigerant were | |
| | required for outdoor unit systems. | minimized because of its higher GWP of 2088. | |
| | (b) Polyester (POE) oil shall be | following of the Kyoto protocol the Bidder would | |
| | required. Prior to bidding, | like to clarify that acceptability/possibility to | |
| | manufacturers using alternate oil | use of R32. | |
| | types shall submit material safety | | |
| | data sheets (MSDS) and comparison | | |
| | of hygroscopic properties for alternate | | |
| | oil with list of local suppliers stocking | | |
| | alternate oil for approval at least two | | |
| | weeks prior to bidding. | | |
| 69. | Section VI | The Bidder would like to clarify that each | Bidder's proposal is acceptable. |
| | MEP - (TS) | outdoor unit shall be equipped with inverter | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|--|--|
| | Page 394 | driven scroll hermetic compressor instead of | |
| | 6) Compressor | wye-delta type for motors larger than | |
| | (a) Each outdoor unit module shall be | seven-point five (7.5) horsepower is not require. | |
| | equipped with one inverter driven | | |
| | scroll hermetic compressor | | |
| | | | |
| | 7) Electrical | | |
| | (e) Motor starter shall be magnetic | | |
| | across the line for motors less than | | |
| | seven-point five (7.5) horse power and | | |
| | reduced voltage part winding or | | |
| | wye-delta type for motors larger than | | |
| | seven-point five (7.5) horsepower | | |
| 70. | Section VI | As per drawings of STN-MEP-VAC-ON-3104 for | No change is required as specified in the specification. |
| | MEP - (TS) | Ortigas North Station and | |
| | Page 394 | STN-MEP-VAC-OS-3100 for Ortigas South | |
| | 9) Coating: | Station is indicated outdoor unit installations | |
| | (a) The outdoor unit shall be coated | locations at outside of station without enclosure, | |
| | with the Seacoast Protection Coating | it's possible to get direct winds but the both | |
| | (Bermuda Special) if the installation | stations are far from sea. | |
| | site falls within the following | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---|---|---|
| | criteria: | The Bidder would like to clarify that Seacoast Protection Coating and enclosure for outdoor | |
| | | unit is not require. | |
| 71. | Section VI | The Bidder would like to request to provide | Standard industry practice for this to be followed. |
| | MEP - (TS) | Clear specification of salt spray coating as | |
| | Page 394, Page 395 | indicated table at page 395. | |
| | 9) Coating: | | |
| | (i) The salt spray coating shall adhere | | |
| | to the following specifications | | |
| 72. | Section VI | The Bidder would like to clarify that Seacoast | No change required in TS. |
| | MEP - (TS) | Protection Coating is not required as actual | |
| | Page 394, | work site is far from sea. | |
| | 9) Coating:(a) The outdoor unit shall be coated with the Seacoast Protection Coating | | |
| | (Bermuda Special) if the installation site falls within the following | | |
| | criteria: | | |
| 73. | Section VI | The table of specification of salt spray is not | Standard industry practice for this to be followed. |
| | MEP - (TS) | clear. Kindly provide the clear copy. | |
| | Page 395 | | |
| | 9) Coating: | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---|---|-----------------------------------|
| | (i) The salt spray coating shall adhere | | |
| | to the following specifications | | |
| 74. | Section VI | 4) Refrigerant piping, (c) Insulation Material - | TS to prevail over BOQ. |
| | MEP · (TS) | Shall be nineteen (19) mm thick elastomeric | |
| | Page 403 | type. | |
| | 1213.3.1 Installation | as per BOQ thermal insulation is elastomeric | |
| | 4) Refrigerant piping, (c) Insulation | rubber class 0 15mm thick for 22.23mm | |
| | Material - Shall be nineteen (19) mm | diameter and below and 20mm thick for | |
| | thick elastomeric type. | 28.58mm diameter and above. | |
| | as per BOQ thermal insulation is | | |
| | elastomeric rubber class 0 15mm | The Bidder would like to clarify which to follow? | |
| | thick for 22.23mm diameter and | | |
| | below and 20mm thick for 28.58mm | | |
| | diameter and above. | | |
| 75. | Section VI | The Bidder understands that Variable | Bidder's understanding's correct. |
| | MEP - (TS) | Refrigerant Flow (VRF) Air-Conditioning is NO | |
| | Page 404 | requirement of heating mode (Heating Only and | |
| | 1213.3.2 Service | Heating Main) and defrost mode in VRF AC | |
| | (i) Outdoor Unit | unit. Is Bidder's understanding correct? | |
| | Operation Mode (Cooling Only, Heating Only, Cooling Main, Heating Main) | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|-------------------------------------|--|----------------------|
| 76. | Section VI | Bidder would like to confirm the kind of pipe | No use of PVC pipes. |
| | MEP - (TS) | which bidder is understanding as below: | |
| | Page 647 | | |
| | 1234.2.2 Pipes and Fittings | Material of Sewage System is; | |
| | (a) Cast Iron Pipe and Fittings | Cast Iron: use for soil and waste pipe | |
| | (i) Cast Iron pipes and fittings | Ductile Iron: use for pressurized soil and waste | |
| | shall be used for: | pipe | |
| | (1) Soil, waste, vents and | Polyvinyl Chloride Pipe: use for vent pipe. | |
| | storm water pipe and fittings | Material of Storm Drainage System is; | |
| | (2) Cast Iron pipe and fittings | Cast Iron: soil and waste pipe | |
| | shall be Class 'C' for all sizes | Ductile Iron: pressurized soil and waste pipe | |
| | (b) Ductile Iron Pipe and Fittings | Polyvinyl Chloride Pipe: vent pipe | |
| | (i) Ductile Iron pipes and fittings | | |
| | shall be used for | | |
| | (1) Soil and waste water | | |
| | pressurized pipe. | | |
| | (c) Polyvinyl Chloride Pipe and | | |
| | Fittings | | |
| | (i) Polyvinyl chloride pipes and | | |
| | fittings shall be used for: | | |

| TEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|------------|--------------------------------------|--|---|
| | (1) Soil, waste, vents and | | |
| | drain pipe and fittings | | |
| 77. | Section VI | In 1236.1.5 mentioned the requirement of | Total Capacity for STP based on fixture unit: |
| | MEP - (TS) | Effluent water quality but did not indicate the | 36 m3. |
| | | Influent water quality and volume in | |
| | Volume 3 | specification and drawings. | |
| | Part 2 | | |
| | Section VI | The Bidder would like to request to kindly | |
| | MEP Drawings Ortigas North Station | provide designed Influent water quality and | |
| | Page 668 | designed water volume per/day or m3, | |
| | 1236.1.5 Treated Sewage Water | accordingly. | |
| | (a) The Sewage Treatment Plant is | | |
| | prefabricated FRP factory made | | |
| | product that satisfies the DENR | | |
| | discharge standard, and the treated | | |
| | sewage water is discharged as per | | |
| | location on the plan. The discharge | | |
| | water standard of DENR is prescribed | | |
| | according to discharge destination. | | |
| | (b) Effluent Standard of DENR | | |
| 78. | Section VI | The Bidder would like to clarify that this special | Pre-fabricated FRP factory made submitted on |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---------------------------------------|--|--|
| | MEP - (TS) Page 669 | requirement of Sewage Treatment Plant is not | AUG21. |
| | 1236.1.6 General | available the Packaged Type, bidder would like | |
| | | to clarify to use prefabricated FRP factory made | |
| | (a) Package Type Sewage Treatment | product that satisfies the DENR discharge | |
| | Plant (STP) Drawing is for reference | standard and conform with DENR | |
| | only. STP Specialist contractor shall | administrative order (DAO-2016-08) water | |
| | provide detailed drawings to meet | quality guidelines and effluent standards. | |
| | building requirement. | | |
| | (b) Package type sewage treatment | | |
| | plant shall be done by specialist | | |
| | contractor under the supervision of | | |
| | the plumbing sub-contractor. | | |
| | (c) Package Type Sewage Treatment | | |
| | Plant (STP) shall conform with DENR | | |
| | administrative order (DAO-2016-08) | | |
| | water quality guidelines and effluent | | |
| | standards. | | |
| 79. | Section VI | The Bidder would like to clarify that Sewage | Tank shall be constructed of Stainless Steel only. |
| | MEP - (TS) | Holding Tank for stations shall be constructed | |
| | Page 688 | of Stainless Steel instead of Fiber Stainless | |
| | 1238.2.1 Water Tank & Sewage | Steel. | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--------------------------------------|--|--|
| | Holding Tank | | |
| | Page 691 | | |
| | 1238.4.2 Basis of payment | | |
| | (a) The domestic water tank, cooling | | |
| | tower make-up water tank fire water | | |
| | tanks and Sewage Holding Tank for | | |
| | stations shall be constructed of | | |
| | Stainless Steel. | | |
| | | | |
| | Pay Item 1238(4) Sewage Holding | | |
| | Tank (Fiber Stainless Steel) | | |
| 80. | Section VI | The Bidder would like to clarify which tank | No tank needs to be insulated. |
| | MEP - (TS) | shall supply with the encapsulated insulation. | |
| | Page 691 | | |
| | 1238.3.1 Preparation | | |
| | (m) Water tanks to be equipped with | | |
| | encapsulated insulation supplied by | | |
| | the Contractor. | | |
| 81. | Section VI | The Bidder would like to clarify that 2900rpm | The bidder may use electrical motor of 3500 rpm |
| | MEP - (TS) | electric motor is not available the 380V, 3phae, | provided Fire Pump Performance and Characteristics |
| | Page 712 | 60Hz by UL and FM approval reliable fire pump | are not affected. |

| | | | T |
|-------------|---|--|--|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | 1241.2.1 Electric Driven Fire Pumps | manufacturers. The Bidder would like to clarify | |
| | (a) Packaged, ULC listed and labelled | to use of more than 3500rpm electrical motor. | |
| | horizontal shaft centrifugal fire pump | | |
| | and controller. The pump shall be | | |
| | flexibly coupled with a TEFC, $380\mathrm{V},3$ | | |
| | phase, 60 Hz, 2900rpm electric motor | | |
| | with Class "F" insulation. | | |
| 82. | Section VI | The Bidder would like to clarify that 1800rpm | The bidder may use electrical motor of 3500 rpm |
| | MEP - (TS) | electric motor is not available the 380V, 3phae, | provided Fire Pump Performance and Characteristics |
| | Page 713 | 60Hz by UL and FM approval reliable fire pump | are not affected. |
| | 1241.2.2 Pressure Maintenance | manufacturers. The bidder would like to clarify | |
| | (Jockey) Pump | to use more than 3500rpm electrical motor. | |
| | (a) A jockey pump shall be provided | | |
| | and shall be suitable rated to | | |
| | maintain the system pressure above | | |
| | the main sprinkler pump starting | | |
| | pressure. The pump shall be of the | | |
| | vertical sprinkler multi-stage close | | |
| | coupled pump and fitted | | |
| | with a TEFC 380 V, 3 phase, 60 Hz, | | |
| | 1800rpm motor. | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|---|--|
| 83. | Section VI MEP - (TS) Page 716 1241.2.6 Fire Pump Remote Alarm Panel (a) Fire pump remote alarm panel: to NFPA No. 20, sheet steel, wall mounting, finished red, hinged front access door. | The Bidder would like to clarify that where/what room to install Fire pump remote alarm panel. | Fire Pump Remote alarm panel to be installed in Station Office Room. |
| 84. | Section VI MEP Drawings STN-MEP-VAC-CWD-1109 Ventilation & Air Conditioning Typical Installation Detail Sheet-9 | No drawing of ACM-MMSP-D-TS-TVS. Please provide the drawing. | This is typographical error. This drawing reference will be deleted. |
| 85. | Section VI TS 4 Underground Structure | Technical specifications (TS) 4. underground structures TS2100.9.1: Limit of Ground surface Settlement refers to TS sub-clause 2100-3-4 of this clause. This referenced clause TS2100.3.4 does not concern limit of ground settlement but monitoring and control of TBM. Please clarify | The contractor shall submit Method of Statement of monitoring plan, and shall propose limit of settlement according to guide line or standard. |

| Annex | | Metro Manila Subway Project Phase CKAGE CP104: (ORTIGAS NORTH AND ORTIGA | |
|-------------|---------------------------|---|---|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | | and | |
| | | advise. | |
| | | Volume II Part2 Works Requirements | |
| | Se | ection VI Works Requirements – Employer's Drawi. | ngs (DRW) |
| 86. | VI DWG | The ducts of Fans 'OS-MZ-RAF-03/04 are | The double dotted line as shown in the drawing is a |
| | Duct insulation | described with double dotted lines which are | Fire Rated Duct, which is also stipulated in the |
| | DWG; STN-MEP-VAC-OS-2103 | different from others with single lines. | Technical Specification. |
| | | a) What does the double dotted line mean? For | |
| | | example, is it thermal insulation or fire rated | |
| | | isolation? | |
| | | b) Please provide the specification for ducts | |
| | | shown as double dotted lines. | |
| 87. | VI DWG | The Schedule of PRD has a blank columns at the | Please ignore that column. No additional technical |
| | PRD schedule | right side. Please fill out these columns and | detail is required for PRD schedule. |
| | DWG; STN-MEP-VAC-OS-5106 | inform us of the content. | |
| 88. | VI DWG | Please confirm that the fire pipe drawing | Confirmed. The Fire Pipe shown in |
| | Tunnel fire pipe | STN-MEP-FPS-TUN9-3111 is for the following | STN-MEP-FPS-TUN9-3111 is for the tunnels feeding |
| | DWG; STN-MEP-FPS-OS-3241, | locations: | the Tunnel Hydrants from Ortigas South to Ortigas |
| | STN-MEP-FPS-OS-3244. | i) Northern area from grid line 1 of the drawing | North & Ortigas South to Kalayaan Station. |
| | | in the left column. | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|-------------------------------|--|---|
| | | ii) Southern area from gridline 35 of the | |
| | | drawing in the left column. | |
| 89. | VI DWG | The Schematic Diagram does not have a sewage | Sewage sump is required at platform level for Janitor |
| | Sewage sump at platform level | sump at platform but the plan view drawing | room discharge. Sewage sump is already shown in |
| | DWG; STN-MEP-PLD-OS-2301, | does have it. | schematic & layout. |
| | STN-MEPOS-3331. | Please confirm that there is no sewage sump at | Refer STN-MEP-PLD-OS-3332 for janitor room |
| | | platform level. | discharge. |
| 90. | VI DWG | Please confirm whether the water meters below | Master meter & sub meter both are of electronic type |
| | Water meter | are analog type, not electronic type to read | |
| | DWG; STN-MEP-PLD-OS-2101 | counter: | |
| | | a) Master meter | |
| | | b) Sub-meter | |
| 91. | VI DWG | Please provide the drawing to show the city | Contractor to coordinate. |
| | | water pipe connection. The current drawing | Refer STN-PLD-MEP-OS-3104. |
| | Incoming City Water Supply | does not show it. | |
| | DWG; STN-MEP-PLD-OS-3103 | | |
| 92. | VI DWG | Please provide the OGT specification for: | Specs need to be referred for the detail. |
| | | i) Size; | MEP-PLD-OS-4201 shows required flow rate and |
| | OGT in submersible pump pit | ii) Material; and | grease retention capacity. |
| | DWG; STN-MEP-PLD-OS-2201, | iii) Figure and structure. | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|----------------------------|--|---|
| | STN-MEP-PLD-OS-4201 | | |
| 93. | VI BOQ-168 TS3 | Please confirm the capacity of UPS 01/02. | 2 x 125 kVA |
| | DWG 1114(1) 1114.1.3 | Currently there are discrepancies between: | |
| | | i) Drawing; no information | |
| | UPS01/02 capacity | ii) BOQ ; 150kVA*2sets | |
| | DWG; STN-MEP-ELL-OS-2001 | iiI) TS3; 200kVA*2sets | |
| 94. | VI DWG | In the legend, it says that the solid line 'by the | LAN System Equipment are indicative only; Other |
| | | contractor', the dotted line is 'by the telephone | than commercial area Entire Scope of LAN System |
| | Scope of LAN system | service provider'. But they seem that they are | Shall be under Railway System. |
| | DWG; STN-MEP-ELV-OS-2048 | opposite. | |
| | | Please confirm below scope about telephone | |
| | | system. | |
| | | i) Solid line; out of CP104 scope | |
| | | ii) Dotted line ; CP104 scope | |
| | | iii) Equipment; out of CP104 scope | |
| | | iv) Outlet; out of CP104 scope | |
| | | v)IDF; out of CP104 scope | |
| 95. | VI DWG | Please provide LAN system drawing at ground | There is no such space at the ground to provide LAN |
| | | level. | point. |
| | Lack of LAN system drawing | | |
| | DWG; STN-MEP-ELV-OS-2048 | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|----------------------------|---|--|
| 96. | VI DWG | Please provide information below about tunnel | i) Regarding tunnel, please refer to civil drawings. |
| | | drainage system with drawings, | ii) Discharge to Kalayaan Station. |
| | Tunnel drainage system | i) Sump location (station name, grid number, | |
| | DWG; STN-MEP-PLD-TUN9-4001 | room name) | |
| | | ii) To where discharge pipe goes. | |
| 97. | VI DWG | Please provide the information below about | i) Refer to civil drawings. |
| | | tunnel drainage system with drawings: | ii)Discharge to Kalayaan Station. |
| | Tunnel drainage system | i) Sump location (station name, grid number, | ii) Discharge to Kalayaan Station. |
| | DWG; STN-MEP-PLD-TUN9-3401 | room name); | iii) Coordination required with CP105 at the |
| | | ii) Water flow direction; | construction stage. |
| | | iii) How to connect pipe to 'Kalayaan Ave. | iv) Drain pipes prepared by civil. |
| | | station; and | |
| | | iv) How to collect water to pipes. | |
| 98. | VI DWG | Please provide the information below about | Mid tunnel pump is nearby to the Kalayaan station. |
| | | power supply to tunnel drainage system with | DB located to the pump room which is fed from |
| | Tunnel drainage system | drawings: | Kalayaan Station through cable. |
| | DWG; STN-MEP-ELL-T9-2001 | i) How to connect to 'Kalayaan Ave. station | Contractor to Develop working Drawings accordingly. |
| | | ii) Power panel location in Kalayaan Ave. | Coordination required with CP105. |
| | | station; and | |
| | | iii) Power panel diagram in Kalayaan Ave. | |
| | | station | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|-----------------------------------|---|--|
| 99. | VI DWG | In the plan drawing there are equipment that are expressed 'PTZ', Please confirm: | Yes, PTZ is out of CP104 scope. |
| | Station plaza electrical work | i) are they are out of CP104 scope. | |
| | DWG; SPL-EON-5036 | ii) if not then provide schematic drawings and | |
| | | specification. | |
| 100. | VI DWG | The drawing indicates SS bird mesh. Kindly | Under Pay item no. 1804 (1) - Extruded Aluminum |
| | | provide the details and specifications for the | Vertical Louvers. |
| | SS bird mesh | same and the pay item and quantity for the | |
| | Drawing NO STN-AR-A-OS-9230 and | same in Bill No. 4 since there are no pay items | |
| | any other similar drawings | in BOQ | |
| | Details A, B and C. | | |
| 101. | VI DWG | The drawing indicates 100 mm thick concrete | Under Pay item no. 900 (1) (c1) – Structural concrete. |
| | | block wall. Kindly provide the pay item and | |
| | 100 mm thick Concrete block wall | quantity for the same in Bill No. 4 since there | |
| | Drawing NO STN-AR-A-OS-9230 and | are no pay items in BOQ. | |
| | any other similar drawings | | |
| | Detail C. | | |
| 102. | VI DWG | Please provide the drawing | Typical installation drawing to be referred in CWD |
| | Drawing of Damper inside concrete | 'ACM-MMSP-D-TS-TVS-1003'. | package. |
| | duct. | | |
| | DWG; STN-MEP-VAC-CWD-1109. | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|------------------------------|---|---|
| | 'TYPICAL INSTALLATION DETAIL | | |
| | FOR VOLUME CONTROL | | |
| | DAMPERINSIDE CONCRETE | | |
| | DUCT.' | | |
| | 'REFER TO DETAIL 'D' OF | | |
| | DRAWING NO. | | |
| | ACM-MMSP-D-TS-TVS-1003'. | | |
| 103. | VI DWG Arch | The details show "6 APPROVED FIRE | Refer to BOQ Bill No.4 pay items 1041 (1) a3 and 1041 |
| | Fire Resistant Sealant | RESISTANT SEALANT WITH BACKER ROD". | (1) a4. |
| | DWG Nos. STN-AR-A-OS/ON-9001 | However we cannot find any pay item in BOQ. | |
| | Details: | Kindly provide the pay items and quantities for | |
| | 4. 118 MM THK GYPSUM PARTION | the above sealant in Bill No. 4. | |
| | (IWB-01) | Please also note discrepancies between the | |
| | 5. 140 MM THK GYPSUM PARTION | descriptions on the top and the bottom of the | |
| | (IWB-02) | details as follows: | |
| | | In item 4: | |
| | | The top describes IWB-01, but (IWB-02) at the | |
| | | bottom | |
| | | In item 5: | |
| | | The top describes IWB-02, but (IWB-03) at the | |
| | | bottom | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|------------------------------------|---|--|
| 110. | | Kindly make correction on the above. | |
| 104. | VI DWG Arch | The drawings indicate the AFC Raceway to be | Under pay item no. 1117 – Cable tray. |
| | AFC Raceway | installed. However we cannot find any pay items | |
| | Drawing Nos. | for the AFC raceway in BOQ. Kindly provide the | |
| | STN-AR-A-OS/ON-9050 | pay items and quantities for the same in Bill No. | |
| | | 4. | |
| 105. | VI DWG Arch | The drawings indicate the skylights to be | 1819 (1) a - Prefabricated modular glass roof. |
| | Skylights on the drawings | installed. However we cannot find any pay items | |
| | Drawing Nos. | for the skylight in BOQ. Kindly provide the pay | |
| | STN-AR-A-OS/ON-9061 | items and quantities for the same in Bill No. 4. | |
| | Drawing Nos. | | |
| | STN-AR-A-OS/ON-9170 | | |
| 106. | VI DWG Arch | Detail No. 5 of the Drawing Nos. | Under Pay item no. 1811 (9) - Aluminum Composite |
| | Recessed Corner Ceilings at Public | STN-AR-A-OS/ON-9062 and Drawing Nos. | Panel Cladding. |
| | WC areas | STN-AR-A-OS/ON-5101 to 5109 indicate | |
| | Drawing Nos. | recessed corner ceilings. However we cannot | |
| | STN-AR-A-OS/ON-9062 | find any pay items for the recessed corner | |
| | Drawing Nos. | ceilings in BOQ. Kindly provide the pay items | |
| | STN-AR-A-OS/ON-5100 to 5120 | and quantities for the same in Bill No. 4. | |
| 107. | IV DWG | Please confirm that the reinforcement bar sizes | Re-bar size of Typical type and Large type section |

| | Г | | T |
|-------------|---------------------------------------|---|--|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | NATM Tunnel Reinforcement Details | for "Large type" section and "Typical type" | were designed by each ground condition. |
| | DWG No. TN-CE-NTM-0010 and | section are correct or not. | Each re-bar size is correct. |
| | 0011 "NATM Reinforcement Details" | | |
| | mentions that the Arch section main | | |
| | bar size is D16 and the calculation | | |
| | quantities are based on it. | | |
| | However, DWG No. | | |
| | TN-CE-NTM-0008 and 0009 for | | |
| | "Typical type" section main bar sizes | | |
| | are D20, D25 and D30 even the | | |
| | dimension is smaller than the "Large | | |
| | type" section. | | |
| 108. | VI DWG | Please confirm the correct chainage for the start | TBM beginning point is that "13K979m875" is correct. |
| | Chainage of Start of Tunnel Lining at | of the northbound tunnel at ON Station. | |
| | OS North. | | |
| | Dwg TN-CE-TBM-0051: SEGMENT | | |
| | RING LAYOUT DIAGRAM | | |
| | TN-CE-TBM-0051 | | |
| | SHEET 1/3 shows the tunnel rings | | |
| | from CH13+974.375 to CH14+902.000 | | |
| | a distance of 927.625m. | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---|---|---|
| | Dwg STN-CE-ON-0014 Station | | |
| | General Drawing Sheet 12/21 shows | | |
| | the inside of the diaphragm wall at | | |
| | CH13+979.875 with a 1m thick insitu | | |
| | concrete wall as well. | | |
| 109. | VI DWG | This drawings shows a length of 220m labelled | GGBS shall be used as Salt damage Counter |
| | Salt Damage Counter Measures | Salt damage Counter Measures Department. | Measures. |
| | Department | Please explain what this means and what action | TS (2007.2.4 Concrete Mix Design) will be amended. |
| | ${\rm Dwg\ TN\text{-}CE\text{-}TBM\text{-}0004\ SEGMENT}$ | (if any) the bidder is supposed to allow for in its | |
| | RING TBM TUNNEL GENERAL | price. | |
| | ALIGNMENT DRAWING SHEET 4 | | |
| | / 5 | | |
| | | | |
| 110. | VI DWG | Please confirm that CP106 can install their | Almost of anchor are cast-in anchor bolt, and cast into |
| | Anchors in Tunnel Segments for | Plant in tunnels using the anchor cast into each | segment by CP104. |
| | CP106 Plant | segment and that they will not need to drill the | Some of anchor will be drilled by CP106. Please refer |
| | Dwg TN-CE-TBM-0006: | segments for any reason. | to GS Appendix 4. |
| | STRUCTURE DRAWING OF TBM | | All of them will be conformed with CP106 in the |
| | SEGMENT SHEET 1/2 | | interface meeting. |
| 111. | Section VI | In this plan, it says that there is | It is excluded from scope of work. |
| | MEP Drawings Ortigas North Station | Communication cable for the Tunnel Fireman | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE | |
|-------------|---|--|--|--|
| | Dwg Nos. STN-MEP-FPS-ON-3130 | Telephone Module. However, there is no FDAS | | |
| | Fire Detection and Alarm System | Plan for the Tunnel. The Bidder would like to | | |
| | | clarify that Telephone system for Tunnel is not | | |
| | To read high a following it with many | included on this package CP104 and no need to | | |
| | TOTAL STATE AND ADDRESS OF THE PARTY OF THE | provide cost proposal? | | |
| | · · · · · · · · · · · · · · · · · · · | | | |
| | COMMUNICATION OF THE PROPERTY | | | |
| 112. | Section VI | The Bidder would like to confirm what does the | No of cable tray. | |
| | MEP Drawings Ortigas North Station | encircled numbers indicate? | | |
| | Dwg Nos. STN-MEP-ELL-ON-3300 to | | | |
| | STN-MEP-ELL-ON-3346 | Is it the number of cable tray layer? | | |
| | Containment Layout | Does "2" means: 1-900mm CT and 1-600mm CT; | | |
| | | or 2-900mm CT and 2-600mm CT? Please | | |
| | Olos. 660mm CT ON-MZ-CTNE-13 | clarify | | |
| | CNE-1.6 TO 1.18,1.2.1, 1.3 | | | |
| | 2 Nos. 900,600mm CT ON-MZ-CTE-20 1 No. 25mm RMC CE-1.1, 1.4 to 1.15 | | | |
| 113. | Section VI | For ON-MZ-EMCC-03 Main Feeder line, power | It shall be placed at the convenient place in ESR. | |
| | MEP Drawings Ortigas North Station | will be coming directly after TR 02 and 01 via | | |
| | STN-MEP-ELL-ON-2001 | Busduct tap off, where in drawing | | |
| | Electrical LV Schematic Diagram | STN-MEP-ELL-ON-2001 before going to | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|------------------------------------|---|---|
| | | ON-MZ-EMCC-03 an 1200A, 4P ACB is | |
| | | indicated. | |
| | | The Bidder would like to clarify where this ACB | |
| | | Panel will be located? | |
| 114. | Section VI | Cable for ATS NO Terminal will be coming from | For both incomers 1200 amp ACB are there. |
| | MEP Drawings Ortigas North Station | ON-MZ-EMDB-01 circuit no. 5, since ATS is | |
| | STN-MEP-ELL-ON-2003 | After TP ACCB, there will be no ACB Breaker | |
| | Electrical LV Schematic Diagram | for the receiving end. | |
| | | The Bidder would like to clarify that protection | |
| | | wiring device is necessary for this cable? | |
| 115. | Section VI | ON-MZ-EMCC-03 will be terminated from | As per NFPA 70 to bypass the overload protection. |
| | MEP Drawings Ortigas North Station | Busduct Tap-off. | Busduct tap off is provided ahead of MDB & EMDB |
| | STN-MEP-ELL-ON-2001 | | level. |
| | Electrical LV Schematic Diagram | The Bidder would like to clarify that what is the | |
| | | requirement of specification of busduct tap off? | |
| 116. | Volume 3 Part 2 Section VI | The equipment schedule 1 pump for escalator & | Drawing shall be updated according to equipment |
| | MEP Drawings Ortigas North Station | elevator pump / ON-CON-EP-01 but its shown | schedule, having 1 working pump for escalator and |
| | STN-MEP-PLD-ON-2201, | in the drawing and schematic its show 2 pump | elevator. |
| | | for elevator sump pit. | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|----------------------------|--|--|
| | STN-MEP-PLD-ON-3212, | | |
| | | The Bidder would like to clarify that shall follow | |
| | STN-MEP-PLD-ON-3214, | schematic drawing show 2 pumps for elevator | |
| | | and escalator sump pit? | |
| | STN-MEP-PLD-ON-5201 | | |
| 117. | Volume 3 Part 2 Section VI | Reference is made to the drawing number | Design thrust force is 2500KN x 16jacks. And |
| | TN-CE-TBM-0006 | TN-CE-TBM-0006. | compression is 22N/mm2 ~ 36N/mm2. |
| | | Please specify the maximum | |
| | | allowable thrust force on the segmental lining | |
| | | for design of the tunnel boring machine (TBM), | |
| | | such as dimensions of the thrust shoe and | |
| | | capacity of the thrust force of TBM jack. | |
| 118. | Volume 3 Part 2 Section VI | Reference is made to the drawing number | This part of the chainage "16k244m460 to |
| | TN-CE-TBM-0006 | TN-CE-TBM-0006. | 16k466m460" is that was located under Pasig River. |
| | | The description of 'Salt Damage | TS 2007.2.4 Table 2007-1, "Class F : OPC-GGBS = 50 : |
| | | Countermeasures Department(222000)" | 50" was protection method for Portion of Pacing River. |
| | | between chainage 16k244m460 and | The ADDENDUM of "Table 2007-1" will be submitted |
| | | 16k466m460 is not clear. Please clarify and | soon. |
| | | advise the requirements in connection with "salt | |
| | | Damage Countermeasures Department" under | |
| | | the contract. | |

| Metro Manila Subway Project Phase 1 |
|--|
| PACKAGE CP104: (ORTIGAS NORTH AND ORTIGAS SOUTH) |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|--|---|--|
| 119. | Volume 3 Part 2 Section VI | The drawing numbers TN-CE-TBM-0054 and | In-situ concrete lining is adopted at docking point with |
| | TN-CE-TBM-0054,0055 | 0055 Show the insitu concrete lining leaving the | NATM tunnel, and arrival at Kalayaan station. |
| | | TBM Outer shell. please advise where this | TBM arrival method is temporary works. So, |
| | | insitu concrete lining shall be adopted. | contractor can propose own idea. |
| | | Volume IV Part3 Condition of Contract and Contrac | ct Forms |
| 120. | Works Trains | Please confirm whether CP106 will be providing | CP 106 provide work trains to facilitate Station and |
| | | CP104 with the use of its works trains for | Tunnels works |
| | | CP104 trackside installations. | To be coordinated with CP 106 as part of the CIP |
| | | | process. |
| | | | |
| 121. | Attach 1 | Please confirm that at Key Date 1 | As from Key Date 1, the works of CP 104, Civils, MEP |
| | Key Date for Station Access | a) temporary lighting and ventilation will be | and Architecture and CP 106 Systems to be |
| | The Station structures shall have | sufficient, | coordinated as part of the CIP process |
| | been substantially completed | b) plumbing, interface works and architectural | |
| | including lighting, ventilation, | finishes do not need to be completed. | |
| | temporary air-conditioning, | | |
| | plumbing, interface works, related | | |
| | finishes, to allow the CP106 Systems | | |
| | Contractor access for the installation | | |
| | of system equipment, cabling works | | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---------------------------------------|--|---|
| | and associated works | | |
| 122. | VIII PC-8 Attach 2 | a) The period of access for CP103 to | Please refer to revised Attachment 2A and 2B as |
| | Access for CP103 to Retrieve Two | retrieve two TBM's 17 months from end of | stated in Annex "B" and Annex "C" of GBB No. 6. |
| | TBM's from ON Station | Month 23 to end of Month 40. | |
| | The commencement of provision of | The access for CP106 to stations is Week 165 | |
| | the two (2) TBM Retrieval Windows | (the end of Month 38) for trackwork is Week 186 | |
| | shall be no earlier than the end of | (the end of Month 43). This does not allow | |
| | Month 23 in the Contractor's 67 | sufficient time for completion of platforms with | |
| | month Contract Programme then the | all their architectural and MEP works or the | |
| | CP103 contractor may have | completion of invert concrete in the stations. | |
| | possession for up to 5 months for the | Please consider a reduction from Month 40 to | |
| | retrieval of each TBM; with the | Month 34 for CP103 access. | |
| | relevant works areas handed back to | | |
| | the Contractor no later than at the | | |
| | end of Month 40 on the Contractor's | | |
| | Contract | | |
| | Programme. | | |
| 123. | Section VIII | May the Employer and the Contractor agree to | An appropriate deductible amount may be discussed |
| | Particular Conditions PC-9 | an appropriate deductible amount in the case of | if necessary. |
| | Attachment-3 | the deductible amount as specified in | |
| | Schedule of Insurances 1. | Attachment-3, Schedule of Insurances, not | |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
|-------------|---------------------------------------|--|---|
| | Construction All Risk (CAR) | accepted by the global reinsurance market? | |
| | Insurance | | |
| | I Material Damage Cover | | |
| | Deductible (any one occurrence): US\$ | | |
| | 250,000 in respect of Earthquake, | | |
| | Volcanism, Tsunami, Storm, Cyclone, | | |
| | Flood, Inundation, Land Slide | | |
| | | | |
| 124. | Volume IV Part 3 | The Bidder understands that for the | The Bidder's understanding is correct. |
| | Section VIII – Particular Conditions | arrangement of construction insurance, the | |
| | (PC) | premiums paid can be counted as Japanese | |
| | Page - PC-9 | origin if the insurance company is a Japanese | |
| | Attachment-3 to Part A Schedule of | company or a consolidated subsidiary of a | |
| | Insurances | Japanese company. | |
| | | | |
| | | Is Bidder's understanding correct? | |
| | | | |
| 125. | Volume IV Part 3 | May the Employer and the Contractor agree to | Requirements in Attachment-3 |
| | Section VIII Particular Conditions | an appropriate deductible amount, in the case of | Schedule of Insurances shall be observed. |
| | PC-9 | the deductible amount as specified in | But, if necessary, further discussion would be possible |
| | Attachment-3 | Attachment-3, Schedule of Insurances is | at the contract negotiation stage. |

| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE | |
|-------------|---|--|---|--|
| | Schedule of Insurances | difficult to arrange by the global reinsurance | | |
| | 1. Construction All Risk (CAR) | market? | | |
| | Insurance | | | |
| | II. Third Party Liability | | | |
| | Deductibles (any one occurrence): 10% | | | |
| | of the loss, minimum USD $50,000$ in | | | |
| | respect of vibration, removal or | | | |
| | weakening of support and | | | |
| | underground services. | | | |
| 126. | Volume IV Part 3 | May the Employer and the Contractor agree to | Requirements in Attachment-3 | |
| | Section VIII Particular Conditions | an appropriate Limit of Indemnity amount, in | Schedule of Insurances shall be observed. | |
| | PC-9 | the case of the amount as specified in | The requirement on Limit of Indemnity is not | |
| | Attachment-3 | Attachment-3, Schedule of Insurances is | impractical. | |
| | Schedule of Insurances | difficult to arrange by the global reinsurance | But, if necessary, further discussion would be possible | |
| | 1. Construction All Risk (CAR) | market? | at the contract negotiation stage. | |
| | Insurance | | | |
| | II. Third Party Liability | | | |
| | The Limit of Indemnity shall not be | | | |
| | less than USD $25,000,000$ for any one | | | |
| | incident of series of incidents arising | | | |
| | out of one event, with the number of | | | |

| 1 | | | |
|-------------|---|---|--|
| ITEM NO. | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE |
| | occurrences being unlimited. | | |
| 127. | Volume IV Part 3 Section VIII Particular Conditions PC-10 Attachment-3 Schedule of Insurances 3. Contractor's Plant, Machinery & Equipment Insurance Deductibles (any one occurrence): shall not be greater than 10% of the loss, subject to a maximum of USD 25,000. | May the Employer and the Contractor agree to an appropriate deductible amount in respect of Tunnel Boring Machine for Contractor's Plant and Equipment, in the case of the deductible amount is difficult to arrange by the global reinsurance market? | Requirements in Attachment-3 Schedule of Insurances shall be observed. But, if necessary, further discussion would be possible at the contract negotiation stage. |
| 128. | Delays and Costs Arising from | Please confirm that in the event that the | The Bidder's understating is not correct. |
| | Interfacing Contractors | Contractor is delayed or incurs additional costs as a result of any Interfacing Contractor failing to follow the agreed Combined Service Drawings or the agreed Co-ordinated Installation programme or any aspect of an agreed interface, then this event will be deemed as an Employer's Risk under Sub-Clause 17.3 [Employer's Risks] of the Conditions of Contract and that the Contractor will be entitled to seek remedy under | The case raised by the Bidder in the column of "QUERIES" does not fall in any items listed in Sub-Clause 17.3 [Employer's Risks] of General Conditions of Contract. However, (i) as to delays, due account of delays arising from failures by Interfacing Contractors will be taken and (ii) additional costs incurred by the Contractor will also be taken into account in accordance with the Contract. |

| The Specifications contain a wide range of requirements for warranty periods Tonditions of Contract Clause 11 [Defects of the warranty periods Conditions of Contract Clause 11 [Defects of the warranty periods considered when driving TBMS's. Priority of Answers to RFC If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. However, request for clarifications (GS) and Technical Specifications (TS) including the issue of the warranty periods referred to by the Bidder. The Specifications (TS) including the issue of the warranty periods referred to by the Bidder. Conditions of Existing Structures There is no foundation of existing structure which interfere with tunnel alignment. Contractor should carry out assessment for the existing structure along alignment. RFC submitted by Bidders during Bid preparation stage are not intended to form Contract Agreement except for the case that any items of RFC with answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on the case of Addendum to Bidding Documents. | 1 | | | | |
|--|------|------------------------------------|---|---|--|
| Risks]. The imposition of Delay Damages under Sub-Clause 8.7 should also take due account of delays arising from failures by Interfacing Contractors. 129. Warranty Periods The Specifications contain a wide range of requirements for warranty periods Conditions of Contract Clause 11 [Defects Liability]. 130. Foundations of Existing Structures Please confirm that no foundations of existing structure which structures located above the tunnels need to be considered when driving TBMS's. 131. Priority of Answers to RFC If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. 132. Addenda. 133. Risks]. The imposition of Delay Damages under Sub-clause 10 Delay | | REFERENCE/CLAUSE/SECTION | QUERIES | RESPONSE | |
| Sub-Clause 8.7 should also take due account of delays arising from failures by Interfacing Contractors. 129. Warranty Periods The Specifications contain a wide range of requirements for warranty periods Conditions of Contract Clause 11 [Defects Liability]. 130. Foundations of Existing Structures Please confirm that no foundations of existing structure located above the tunnels need to be considered when driving TBMS's. Priority of Answers to RFC If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. Sub-Clause 8.7 should also take due account of delays arising from failures by Interfacing Contractors. The Bidder is required to fully comply with Work Requirements including General Specifications (GS and Technical Specifications (TS) including the issue of the warranty periods referred to by the Bidder. There is no foundation of existing structure which interfere with tunnel alignment. Contractor should carry out assessment for the existing structure along alignment. RFC submitted by Bidders during Bid preparation stage are not intended to form Contract Agreement except for the case that any items of RFC with answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on | | | Sub-Clause 17.4 [Consequences of Employer's | | |
| delays arising from failures by Interfacing Contractors. Please confirm that all requirements for The Specifications contain a wide range of requirements for warranty periods Please confirm that all requirements for the Specifications will be subordinated to the requirements of the Conditions of Contract Clause 11 [Defects Liability]. Please confirm that no foundations of existing structures located above the tunnels need to be considered when driving TBMS's. Priority of Answers to RFC If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. However, request for clarification by the Employer on | | | Risks]. The imposition of Delay Damages under | | |
| Contractors. Contractors. | | | Sub-Clause 8.7 should also take due account of | | |
| Please confirm that all requirements for The Specifications contain a wide range of requirements for warranty periods The Specifications contain a wide range of requirements for warranty periods The Specifications contain a wide subordinated to the requirements of the Conditions of Contract Clause 11 [Defects Liability]. Please confirm that no foundations of existing structures located above the tunnels need to be considered when driving TBMS's. Priority of Answers to RFC If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. Addenda. Please confirm that all requirements for the subordinated to the requirements of the requirements including General Specifications (GS and Technical Specifications (TS) including the issue of the warranty periods referred to by the Bidder. There is no foundation of existing structure which interfere with tunnel alignment. Contractor should carry out assessment for the existing structure along alignment. RFC submitted by Bidders during Bid preparation stage are not intended to form Contract Agreement except for the case that any items of RFC with answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on the contract of the warranty periods and Technical Specifications (GS and Technical Specifications (GS) and Technical Specifications (| | | delays arising from failures by Interfacing | | |
| The Specifications contain a wide range of requirements for warranty periods Tonditions of Contract Clause 11 [Defects of the warranty periods Conditions of Contract Clause 11 [Defects of the warranty periods considered when driving TBMS's. Priority of Answers to RFC If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. However, request for clarifications (GS) and Technical Specifications (TS) including the issue of the warranty periods referred to by the Bidder. The Specifications (TS) including the issue of the warranty periods referred to by the Bidder. Conditions of Existing Structures There is no foundation of existing structure which interfere with tunnel alignment. Contractor should carry out assessment for the existing structure along alignment. RFC submitted by Bidders during Bid preparation stage are not intended to form Contract Agreement except for the case that any items of RFC with answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on the case of Addendum to Bidding Documents. | | | Contractors. | | |
| range of requirements for warranty periods Subordinated to the requirements of the Conditions of Contract Clause 11 [Defects Liability]. Please confirm that no foundations of existing structure which interfere with tunnel alignment. Contractor should carry out assessment for the existing structure along alignment. If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. Addenda. Subordinated to the requirements of the and Technical Specifications (TS) including the issue of the warranty periods referred to by the Bidder. There is no foundation of existing structure which interfere with tunnel alignment. Contractor should carry out assessment for the existing structure along alignment. RFC submitted by Bidders during Bid preparation stage are not intended to form Contract Agreement except for the case that any items of RFC with answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on | 129. | Warranty Periods | Please confirm that all requirements for | The Bidder is required to fully comply with Works | |
| Periods Conditions of Contract Clause 11 [Defects Liability]. Please confirm that no foundations of existing structure which structures located above the tunnels need to be considered when driving TBMS's. Priority of Answers to RFC If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. Addenda. Contractor should carry out assessment for the existing structure along alignment. RFC submitted by Bidders during Bid preparation stage are not intended to form Contract Agreement except for the case that any items of RFC with answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on | | The Specifications contain a wide | warranty in the Specifications will be | Requirements including General Specifications (GS) | |
| Liability]. Foundations of Existing Structures Please confirm that no foundations of existing structure which structures located above the tunnels need to be considered when driving TBMS's. Contractor should carry out assessment for the existing structure along alignment. Priority of Answers to RFC If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. Addenda. Addenda. However, request for clarification by the Employer on the Contract of the Contract of the Contract of Addendum to Bidding Documents. However, request for clarification by the Employer on the Contract of the Contract of the Contract of Addendum to Bidding Documents. | | range of requirements for warranty | subordinated to the requirements of the | and Technical Specifications (TS) including the issue | |
| Foundations of Existing Structures Please confirm that no foundations of existing structure interfere with tunnel alignment. Contractor should carry out assessment for the existing structure along alignment. Priority of Answers to RFC If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. Addenda. Addenda. Please confirm that no foundations of existing structure is no foundation of existing structure which interfere with tunnel alignment. Contractor should carry out assessment for the existing structure along alignment. RFC submitted by Bidders during Bid preparation stage are not intended to form Contract Agreement except for the case that any items of RFC with answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on | | periods | Conditions of Contract Clause 11 [Defects | of the warranty periods referred to by the Bidder. | |
| structures located above the tunnels need to be considered when driving TBMS's. Contractor should carry out assessment for the existing structure along alignment. RFC submitted by Bidders during Bid preparation answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. Addenda. Addenda. Structure along alignment. RFC submitted by Bidders during Bid preparation stage are not intended to form Contract Agreement except for the case that any items of RFC with answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on | | | Liability]. | | |
| considered when driving TBMS's. Contractor should carry out assessment for the existing structure along alignment. Briority of Answers to RFC If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. Addenda. Addenda. Contractor should carry out assessment for the existing structure along alignment. RFC submitted by Bidders during Bid preparation stage are not intended to form Contract Agreement except for the case that any items of RFC with answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on | 130. | Foundations of Existing Structures | Please confirm that no foundations of existing | There is no foundation of existing structure which | |
| Priority of Answers to RFC If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. Addenda. Existing structure along alignment. RFC submitted by Bidders during Bid preparation stage are not intended to form Contract Agreement except for the case that any items of RFC with answers by the Employer which will result in release Addenda. Of Addendum to Bidding Documents. However, request for clarification by the Employer on | | | structures located above the tunnels need to be | interfere with tunnel alignment. | |
| 131. Priority of Answers to RFC If it is the intention to include RFC with answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. Addenda. If it is the intention to include RFC with answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on | | | considered when driving TBMS's. | Contractor should carry out assessment for the | |
| answers as part of the Contract, then please confirm that these will have the same priority amongst Contract Documents as the Addenda. Stage are not intended to form Contract Agreement except for the case that any items of RFC with answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on | | | | existing structure along alignment. | |
| confirm that these will have the same priority amongst Contract Documents as the Addenda. confirm that these will have the same priority amongst Contract Documents as the Addenda. confirm that these will have the same priority answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on | 131. | Priority of Answers to RFC | If it is the intention to include RFC with | RFC submitted by Bidders during Bid preparation | |
| amongst Contract Documents as the Addenda. answers by the Employer which will result in release of Addendum to Bidding Documents. However, request for clarification by the Employer on | | | answers as part of the Contract, then please | stage are not intended to form Contract Agreement | |
| Addenda. of Addendum to Bidding Documents. However, request for clarification by the Employer on | | | confirm that these will have the same priority | except for the case that any items of RFC with | |
| However, request for clarification by the Employer on | | | amongst Contract Documents as the | answers by the Employer which will result in release | |
| | | | Addenda. | of Addendum to Bidding Documents. | |
| both Technical and Price Bids from Bidders may form | | | | However, request for clarification by the Employer on | |
| | | | | both Technical and Price Bids from Bidders may form | |

ITEM NO.

| Metro Manila Subway Project Phase 1 PACKAGE CP104: (ORTIGAS NORTH AND ORTIGAS SOUTH) | | | |
|--|--|---|--|
| REFERENCE/CLAUSE/SECTION QUERIES RESPONSE | | | |
| | | Contract Agreement together with answers from | |

Bidders. Priority of such clarification request by the

Bidders will be discussed with a successful Bidder.

Employer and answers from