

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

ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
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<i>Volume IA Part 1 : Bidding Procedures</i> <i>Section IV Bidding Form-Bill of Quantities (BOQ)</i>						
1.	Bill No. 4A, BOQ-29, and Bill No. 4B BOQ-38 Part A Earthworks, Trimming Works No. 803	<p>“Trimming Works” under PART A, EARTHWORKS is described in the BOQ-29 and BOQ-38 also No.803.4.2 Basis of Payment in the Volume 2, Architecture Technical Specification, however, bidder could not find the Technical Specification and related works location.</p> <p>The Bidder would like to request for the description of “Trimming Works” and related works location.</p>	<p>Trimming works in footing and slab on grade.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">803</td> <td style="text-align: center;">803 (2)</td> <td style="text-align: center;">Trimming Works</td> </tr> </table> <p>Please refer to STA-S-ON-3052, STA-S-ON-3056, STA-S-ON-3058, STA-S-ON-3067, STA-S-ON-3115, STA-S-ON-3116, STA-S-OS-3020, STA-S-OS-3026, STA-S-OS-3030, STA-S-OS-3036, STA-S-OS-3090, STA-S-OS-3091.</p>	803	803 (2)	Trimming Works
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2.	Volume IA Part 1 Section IV Bill No. 4A, BOQ-37, and Bill No. 4B BOQ-45 Part D.4 Miscellaneous, Galley Wall Stainless Steel Structure Module, No. 1035	Galley Wall Stainless Steel Structure Module is specified in Bill of Quantities (BOQ), 343.78 m2. This detail is found in Drawing. No. STN-AR-A-ON-9040. The Bidder would like to confirm whether or not this item does not include for surface panel, hunger, screws and includes back frames ⑨ and behind according to Drawing. No. STN-AR-A-ON-9040.	In pay item 1035 (2), details are included. <table border="1" style="margin-left: 20px;"><tr><td style="text-align: center;">1035</td><td style="text-align: center;">1035 (2)</td><td style="text-align: center;">Galley Wall Stainless Steel Structural Module</td></tr></table> Only SS frame as "gallery wall space" should be prepared in this scope. Art work will be install by railway operator in the future. The typical drawing will be deleted to avoid confusion.	1035	1035 (2)	Galley Wall Stainless Steel Structural Module
1035	1035 (2)	Galley Wall Stainless Steel Structural Module				
3.	Pay Item 1823 Expanded Security Mesh Pay Item 1823 Wire Mesh Framed Angle Bar	There is a given quantity for both Ortigas North and Ortigas South Station in the BOQ but the technical specification is not available. We would like to request technical specification for the following Pay items: Pay Item 1823 Expanded Security Mesh Pay Item 1823 Wire Mesh Framed Angle Bar	No Pay Item No. 1823			

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<i>Volume III Part 2 : Works Requirements</i> <i>Section VI Works Requirements</i> <i>- Technical Specifications (TS)</i>			
4.	Technical Specification for Station Plazas	We have Bill No 6 and Drawings for Station Plazas but we have no Specification. Please provide one.	Please refer TS1: Civil Works (General).
<i>3: Mechanical, Electrical and Plumbing</i>			
5.	Page 395 1213.2.1 9) i VFR Air Conditioning: Salt Spray Requirements	The specification table in TS page 395 is not legible. Please provide a legible version.	Please refer to revised TS3.

<i>Volume III Part 2 : Works Requirements</i> <i>Section VI Works Requirements</i> <i>- Employer's Drawings (DRW)</i>															
6.	Elevator and escalator related works DWG Nos. STN-MEP-VAC-ON/OS-3811 to 3835	he MEP drawings indicate the following works by Architecture: For Elevators 1. STEEL BEAM 100 X 200 X 5.5 X 8 (FOR FIXING OF CAR/CWT RAIL BRACKETS) 2. HOISTING HOOKS (CAPACITY: 100 KN EACH) 3. LOUVER WINDOW	As there is no such detail as of now overall cost has been considered, Elevator and Escalator vendor shall define all these requirements. Items 1,2&5 are included in below pay item numbers <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">1047</td> <td style="width: 10%;">1047 (15)</td> <td style="width: 70%;">Hoist Crane Beam Assembly and Anchoring System</td> <td style="width: 10%; text-align: center;">Is</td> </tr> <tr> <td>1047</td> <td>1047 (16)</td> <td>Escalator Installation Anchoring</td> <td style="text-align: center;">Is</td> </tr> <tr> <td>1047</td> <td>1047 (17)</td> <td>Elevator Installation Anchoring</td> <td style="text-align: center;">Is</td> </tr> </table>	1047	1047 (15)	Hoist Crane Beam Assembly and Anchoring System	Is	1047	1047 (16)	Escalator Installation Anchoring	Is	1047	1047 (17)	Elevator Installation Anchoring	Is
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		<p>4. PIT WATERPROOFING</p> <p>5. 100X200 HITCH BEAM SUPPORT @ FRONT & REAR SIDE OF THE SHAFT</p> <p>For Escalators</p> <p>1. SAFETY FENCE</p> <p>2. HOISTING HOOKS CAPACITY: 100 KN EACH</p> <p>3. GROUTING of MOUNTING PLATE</p> <p>4. 12mm Ø STEEL DOWELS</p> <p>Please provide the more details and specifications for the above and the pay items and quantities for the same in Bill No. 4 since there are no pay items in BOQ.</p>	<p>Item 3 is included in below pay item number</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">1804</td> <td style="width: 15%;">1804 (2)</td> <td style="width: 60%;">Extruded Aluminum Horizontal Louvers with Insect Screen</td> <td style="width: 10%; text-align: center;">m2</td> </tr> </table> <p>Item 4 is included in below pay item number</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 60%;">Waterproofing</td> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">1016</td> <td style="text-align: center;">1016 (2)</td> <td>Bituminous Waterproofing</td> <td style="text-align: center;">m2</td> </tr> </table>	1804	1804 (2)	Extruded Aluminum Horizontal Louvers with Insect Screen	m2			Waterproofing		1016	1016 (2)	Bituminous Waterproofing	m2
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1016	1016 (2)	Bituminous Waterproofing	m2												
7.	Wire Mesh in Screed DWG Nos. STN-AR-A-OS/ON-9010	The drawings indicate the "wire mesh" in screed. However, we cannot find any specification of the wire mesh and also any pay item in BOQ. Kindly provide the specifications of wire mesh and the pay items and quantities for the above wire mesh in Bill No. 4.	Wire mesh is part of the floor finish system												
8.	Aluminum Joiner and Plastic Corner Drawing Nos. STN-AR-A-	The drawings indicate "8 Aluminum Joiner" and "9 Plastic Corner". However, we cannot find any pay items for the same in	Part of granite cladding system.												

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	OS/ON-9021	BOQ. Kindly provide the pay items and quantities for the above items in Bill No. 4. Kindly also correct the misspelling of "CORNET" in the titles of the details. They must be CORNER.				
9.	Oil Dyke Upstand Drawing Nos. STN-AR-A-OS/ON-9030	Kindly identify which pay item in BOQ is for concrete upstand. If there is none, please provide specification and the pay item in Bill No. 4. Can you also provide the same for "OIL FENCE"?	Under Pay item no. 900 (1) (c1) – Structural Concrete			
10.	Details for Wall and Skirting Finishes Drawing Nos. STN-AR-A-OS/ON-9002 & 9003 Drawing Nos. STN-AR-A-OS/ON-9050	There are no details for the following walls and skirting: GTL-03, GTL-04, CTL-02, CTL-05, GWW—1 for the walls and SKT-02, SKT-04, SKT-05, SKT-06, SKT-07 and SKT-08 for the skirting. Please also provide the details for combination of CTL-1 and SKT-1 since these are different thickness. Kindly provide the details for the above.	Please refer drawing number 9021 for the fixing detail of GTL-03 and 04. Please refer sheet 2902 which indicates CTL-02 above CTL-01. As the only difference between the two tiles is the size, please refer the detail drawing 9002 for the fixing detail of both tiles. Please refer drawing number 9003 for the fixing detail of the granite skirting. The fixing detail of the ceramic skirting shall be the same as the detail shown in detail drawing 9002.			
11.	Fire Shutters on B1F at Entrances DWG Nos. STN-AR-A-OS/ON-9110 DWG Nos. STN-AR-A-OS-	DWG Nos. STN-AR-A-OS/ON-9110 indicate "1.5 mm thick SS plate" for fixed plate. However, DWG Nos. STN-AR-A-OS-7000, 7007, 7016 & 7018 and DWG Nos. STN-AR-A-ON-7001, 7006, 7015 & 7016 indicate that "MATERIAL: HOT DIP GALVANIZED STEEL	Considered in unit rates of pay item 1011 (1) c. <table border="1" style="margin-left: auto; margin-right: auto;"><tr><td style="text-align: center;">1011</td><td style="text-align: center;">1011 (1) c</td><td style="text-align: center;">FS Fire Shutter Door with Access Door</td></tr></table> Refer to drawing in Annex C	1011	1011 (1) c	FS Fire Shutter Door with Access Door
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	7000, 7007, 7016 & 7018 DWG Nos. STN-AR-A-ON- 7001, 7006, 7015 & 7016	PLATES". Please clarify which material is to be used. If SS plates to be used, then please provide details of frame and cover plates. Please also provide details for the door to be attached to the fire shutters including kind of materials, details of ironmongery. etc. Kindly provide also the pay items																															
12.	Works at Door Jams for Dry Wall DWG Nos. STN-AR-A- OS/ON-9151	The drawings indicate the followings: 1 STEEL HOLLOW SECTION SIZE AS PER MANUFACTURES RECOMMENDATION 5 1.5 MM THK EPOXY PAINTED STEEL DOOR FRAME 7 EPOXY PAINTED STEEL DOOR 11 SEALANTS We do not have any manufacturers to recommend the steel hollow section size stated in the item 1 above. Kindly provide the size of steel hollow section since you have the designers to determine the size, and pay items for the same in Bill No.4. We cannot find also any epoxy painting to door frame and doors, as described in the items 5 and 8 above, in the specifications as well as any pay item. We cannot	<table border="1"> <tbody> <tr><td>1018</td><td>1018 (3) a1</td><td>Granite Stone Honed Finish – 600x1200x30</td></tr> <tr><td>1018</td><td>1018 (3) a2</td><td>Granite Stone Honed Finish – 1200x150x30</td></tr> <tr><td>1018</td><td>1018 (3) b1</td><td>Granite Stone Polished – 1200x600x30</td></tr> <tr><td>1018</td><td>1018 (3) b2</td><td>Granite Stone Polished – 1200x150x30</td></tr> <tr><td>1018</td><td>1018 (3) b3</td><td>Granite Stone Polished – 1200x800x30</td></tr> <tr><td>1018</td><td>1018 (5) b6</td><td>Glazed Ceramic Tile – 1200x600x10</td></tr> <tr><td>1018</td><td>1018 (5) b3</td><td>Glazed Ceramic Tile – 1200x150x10</td></tr> <tr><td>1018</td><td>1018 (5) b7</td><td>Glazed Ceramic Tile – 600x300x6</td></tr> <tr><td>1018</td><td>1018 (5) b4</td><td>Glazed Ceramic Tile – 3000x1000x6</td></tr> <tr><td>1018</td><td>1018 (5) b1</td><td>Glazed Ceramic Tile – 600x600x10</td></tr> </tbody> </table> <p>Please refer to drawing in Annex C indicating the size of hollow section as per local availability. Epoxy painting is considered in door rates.</p>	1018	1018 (3) a1	Granite Stone Honed Finish – 600x1200x30	1018	1018 (3) a2	Granite Stone Honed Finish – 1200x150x30	1018	1018 (3) b1	Granite Stone Polished – 1200x600x30	1018	1018 (3) b2	Granite Stone Polished – 1200x150x30	1018	1018 (3) b3	Granite Stone Polished – 1200x800x30	1018	1018 (5) b6	Glazed Ceramic Tile – 1200x600x10	1018	1018 (5) b3	Glazed Ceramic Tile – 1200x150x10	1018	1018 (5) b7	Glazed Ceramic Tile – 600x300x6	1018	1018 (5) b4	Glazed Ceramic Tile – 3000x1000x6	1018	1018 (5) b1	Glazed Ceramic Tile – 600x600x10
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		also find any pay item for the item 11. Please provide the specifications and the pay items and quantities in Bill No. 4				
13.	Horizontal Screen Louvers DWG Nos. STN-AR-A-OS/ON-0501 DWG Nos. STN-AR-A-OS/ON-9240	The finishing schedule in DWG Nos. STN-AR-A-OS/ON-0501 shows that the horizontal screen louvers shall be installed for the cooling tower space at the ground floor. However, the details of the cooling tower space in DWG Nos. STN-AR-A-OS/ON-9240 show that the vertical louvers shall be installed. Please advise us which one is correct. Please provide the details of the horizontal screen louvers since we cannot find them. Kindly also guide us where on the roof the horizontal screen louvers will be installed	Please refer to drawings STN-AR-A-OS/ON-0501 in Annex C EWL-01: Extruded aluminum vertical louvers with insect screen EWL-02 (horizontal louvers) has been deleted Please refer dwg no 9230/9240 for Vertical screen louver details Vertical louvers extend up to roof as per dwg 9230			
14.	Control Joints on the Roof DWG Nos. STN-AR-A-OS/ON-0501 DWG Nos. STN-AR-A-OS/ON-6001 to 6032 DWG Nos. STN-AR-A-OS/ON-9230	The roof in the finishing schedule on DWG Nos. STN-AR-A-OS/ON-0501 and the roof plan of DWG Nos. STN-AR-A-OS/ON-06001 to 6032 are indicated as no finishing to the roof floor. However, DWG Nos. STN-AR-A-OS/ON-9230 indicate "FCF-02" i.e., Concrete Trowel with Steel Trowel. Please advise which one is correct. The roof plan of DWG Nos. STN-AR-A-OS/ON-06001 to 6032 indicate control indicate "10mm wide	Should be included in pay item 900 (1) c5 <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 15%; text-align: center;">900</td><td style="width: 15%; text-align: center;">900 (1) (c5)</td><td style="width: 70%; text-align: center;">Structural Concrete (Suspended Slab) 27.6 MPa at 28 days</td></tr></table> Please refer to drawings in Annex C	900	900 (1) (c5)	Structural Concrete (Suspended Slab) 27.6 MPa at 28 days
900	900 (1) (c5)	Structural Concrete (Suspended Slab) 27.6 MPa at 28 days				

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		control joints @ 3.5m. Kindly provide details and specifications, and the pay items and quantities in Bill No. 4.	
15.	Handrail BAL-07 STN-AR-A-ON/OS-0500 STN-AR-A-ON/OS-9252	Finishing schedule: DWG Nos. STN-AR-A-ON/OS-0500 indicate that BAL=07 is Short cut prevention glass railing. However, "6 BAL-07-RAILING DEATIL (TYPE-1)" and "7 BAL-07-RAILING DEATIL (TYPE-2)" show no glass. Please provide sectional details of this handrail so that we will know the details of glass and it's fixing method. Or otherwise please change the description in the finishing schedule to stainless steel handrail. We also request hanging details at the "16 SENSOR POST AS PER ESCALATOR VENDOR". We cannot believe that 2900 mm cantilever handrail can be supported by "SENSOR POST".	Description in finishing schedule is updated to stainless steel. Drawing no. 9252 is also modified.
16.	Concrete Supports and Steps for Wash Basin DWG Nos. STN-AR-A-ON/OS-9600 and 9501 DWG Nos. STN-AR-A-ON/OS-5000 to 5301	The drawings indicate concrete supports and steps for the wash basins. Kindly provide details of concrete strength and rebar. Please also advise us which items in Bill No. 4 will be the pay items for concrete, rebar and form work.	Please refer civil dwg no STA-S-ON-3009 For pay items, Concrete - refer 900 (1) C1, Rebar – refer 902 (1)a1

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17.	Addendum No 11 Replacement Drawings - SPL-E-OS-5036 OSS Plaza Site CCTV System Layout (Sheet 1 of 2) - SPL-E-OS-5037 OSS Plaza Site CCTV System Layout (Sheet 2 of 2)	Drawings with these numbers provided to us are titled Site Grounding Distribution System Layout (Sheet 1 of 2) and Sheet 2 of 2). Please confirm that the drawings provided should not be removed.	5036, 5037 (Grounding) are not be removed but ignore regards to CCTV. 5031, 5032, 5033 are to be removed.
18.	Addendum No 11 in Set 2 Replace the drawing below: STN-MEP-ELL-OS-3230 Ortigas South Station EL Small Power Layout- Platform Level Overall Layout. MEP Drawings Ortigas North Station August 2020	Please confirm which drawings are to be replaced with which drawing (using drawing numbers).	Please refer to GBB No.3. STN-MEP-PLD-ON-0301 was revised.

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	Replace the drawing below : STN-MEP-PLD-ON-0301 Ortigas North Station Sewage System List of Drawings		
19.	STN-AR-A-ON-1011 SLAB CUTOUT PLANS- B1F LEVEL	Drawing indicated LIFT SUMP CUTOUT. However, the Bidder could not find sump pit architectural and structural detail. The bidder would like to clarify that lift sump pit shall be made by Concrete with waterproof under the Architecture works of bidder.	Lift sump pit is civil scope.