



**General Bid Bulletin No. 9**  
27 October 2021

**METRO MANILA SUBWAY PROJECT PHASE I**

**PACKAGE CP102:**  
**TWO UNDERGROUND STATIONS (QUEZON AVENUE AND EAST AVENUE)**  
**AND TUNNELS**  
**(IFB No: 21-034-6)**

**TO ALL PROSPECTIVE BIDDERS:**

This General Bid Bulletin is issued to amend/clarify certain provisions in the Bidding Documents for the above-mentioned Project. Please refer to the attached Annexes of this General Bid Bulletin for details:

1. Annex "A" — Answers to Queries from Prospective Bidders including Clarifications to the Bidding Documents.
2. Annex "B" — Addendum to the Bidding Documents
3. Annex "C" — Revised pages of the Bidding Documents

All other portions of the Bidding Documents not affected by these revisions, amendments and/or clarifications shall remain unchanged.

To access the CP102 bidding documents, password is MMSP102.

Revisions/amendments/clarifications made herein shall be conserved as an integral part of the Bidding Documents of this Project

For your guidance and information.

For the Bids and Award Committee

**SIGNATURE REDACTED**

**WEBSTER M LAUREÑANA**  
Chairperson

**Metro Manila Subway Project Phase 1**  
**PACKAGE CP102 (Quezon Avenue and East Avenue)**

ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
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*Volume I Part I: Bid Procedures*

1.	<p>Evaluation and Qualification Criteria (EQC)</p> <p>Volume I Part 1 Section IV Bidding Forms</p> <p>Page EQC-3, 1.1.2 Equipment, Page BF-44</p> <p>Form EQU: Equipment Major Plant and Equipment Intended to be Mobilized at Site</p>	<p>The Bidder would like to clarify that in the Form EQU, instead of "Clause 1.1.3 Programme" it should be "1.1.2 Equipment".</p>	<p>The Bidder's understanding is correct. Please replace "Clause 1.1.3" with "Clause 1.1.2" as underlined below:</p> <p>[The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section III, Evaluation and Qualification Criteria, Clause 1.1.2. A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder.]</p>
2.	<p>In the Form EQU mentioned: The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section III, Evaluation and Qualification Criteria, Clause 1.1.3....</p> <p>Volume I Part 1 Section IV Bidding Forms Page BF-10</p>	<p>The Bidder would like to confirm if the "Beneficiary" portion in page BF-10 for the Bid Security is correct.</p>	<p>The "Beneficiary" portion in page BF-10 for the Bid Security is correct.</p>

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	Form of Bid Security (Bank Guarantee) Beneficiary: Procurement Service PS Complex, RR Road Cristobal Street Paco, Manila 1007 Philippines	If not, please provide the correct "Beneficiary" name and address intended for CP102.	
<b>Volume IA Bill of Quantities (BOQ)</b>			
3.	Discrepancies Between the Bills of Quantities and the Specifications Types of work are described in the Specifications, and BOQ Items are listed. However some of these BOQ Items are not included in the BOQ. Some Items in the BOQ are not shown in the Specifications.	Please confirm that, where discrepancies occur between the Specifications and the BOQ, then the BOQ will take precedence over the Specifications.	Specifications take precedence over BOQ as per General Conditions Sub-clause 1.5. To check
4.	Calculation of Unit Rates	Please confirm that unit rates should be calculated based on quantities in the BOQ and these will take precedence over quantities calculated from drawings or written in the Specifications.	Please refer to the Preamble stated in Volume IA, Bill of Quantities (BOQ).
5.	Volume IA Part I Bill of Quantities (BOQ) Architectural Works (Built-ins and Countertops)  Bill of Quantities Items 1812 (4), 1822 (1), and 1822 (2)	The Bidder kindly requests that detailed drawings of built-ins and countertops be provided in order for us to propose the correct unit prices in the BOQ.	The pay item 1812 (4) quantified as lump sum in TS and BOQ. Hence no quantities will be provided. 1812- Built-ins (Pantry Counter), Refer drawing EA/QA-9640  The pay items 1822 (1), and 1822 (2) are provided with quantity in Sqn and drawings are available to take measurement. 1822 (1)- Quartz Countertop, Refer drawing EA/QA-9600 1822 (2)- Ledge Quartz, Refer drawing EA/QA-9610
6.	Section IV Bidding Form Bill of	We understand that the Instrumentation and Monitoring for North Avenue Station is under	Once CP102 contractors take over North Avenue South shaft, monitoring works also take over by CP102.

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7.	Quantities Bill NO.2A Instrumentation and Monitoring /No.;2012/PAY ITEM No.;2012(1) Section IV Bidding Form Bill of Quantities Bill NO.2A North Avenue Station	CP101 Contractor's scope of work. Please advise the scope of work which CP102 Contractor shall perform. In BOQ No. 2A North Avenue Station, there are no Pay Items relating to Mass Concrete and Platform Works (e.g. concrete, re-bars, etc.). Hence, Bidder understands that there is no structural work required at North Avenue Station Shaft by CP102 Contractor after completion of the tunnel work. Please advise otherwise.	In BOQ concrete works of North Avenue station are mentioned in No2A
8.	CIVIL DRAWINGS Underground Station Section IV Bidding Form Bill of Quantities Bill NO.2A North Avenue Station	There is no drawing for "Underground Station" for North Avenue Station while BOQ specified various works for North Avenue Station as an interface with CP101. Please provide the relevant drawings corresponding to Pay Items in BOQ No. 2A.	Please refer to GBB5
9.	Concrete Class D for Lean Concrete Item 2007(5) b	We would like to clarify if the values of Lean Concrete in Bills 2b and 2c include the Lean Concrete of the Entrance shafts and vents or if it only accounts for the station.	The values of Lean Concrete in Bills 2B and 2C include the Lean Concrete of the Entrance shafts and vents and the Station Box.
10.	Protection Concrete	Which Pay Item accounts for the volume of protection concrete to be used.	There is no independent BOQ item for the protection concrete of the waterproofing
<b>Volume II Works Requirements Section VI Works Requirements – General Specification (GS)</b>			

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11.	<p>Section VI (GS) Section 126.7</p> <p>In the event the Employer should be obliged to compensate any such third-party claims, the amount paid shall, subject to GBCC Sub-Clause 2.5, be counter-charged against the defaulting Contractor. Such charge would constitute general damages, and would not be included within any calculation of delay damages limits under GCC Sub-Clause 8.7.</p>	<p>As for the delay damages, GCC Sub-Clause 8.7 clearly defines, "these delay damages shall be the only damages due from the Contractor for such default...". Therefore, Bidder understands that the Contractor's obligation under GS 126.7 to compensate the damages claimed from Employer's other contractors, in addition to the delay damages under GCC Sub-Clause 8.7, allow the Employer to hold double recovery and contradicts GCC Sub-Clause 8.7 Please clarify.</p>	<p>The Bidder's understanding is not correct. It is already stated in GS126 that Delay Damages and increased or additional costs to be claimed by Interfacing Contractor are different.</p>
12.	<p>134 128.2</p> <p>Failure to Repair Defects</p> <p>Should any equipment or plant remain out of service and prevent the commissioning and/or operation of the railway due to the failure by the Contractor to perform his duties under the DNP, the Employer reserves his rights to seek general damages at Law commensurate with his operating costs (if any) and loss of operational revenues.</p>	<p>a) Please confirm the procedure that the Employer will adopt to notify the Contractor before implementing action at Law and that these will be no more onerous than those applied to the operator. b) Please confirm that the Employer will not expect to recover both operating costs and loss of operational revenues.</p>	<p>Query a): The Employer is at liberty to take any actions allowed at Law whether he will first notify the Contractor of his intention to make a claim for loss or damage sustained thereby before implementing a legal action or, as the case may be, refer a matter to arbitration immediately without first trying to settle the issue through negotiation. The Employer is unable to answer the Bidder's following underlined query since a meaning of the query is not clear to the Employer.</p> <p>Query b): It depends on each case where the Employer expects to recover either or both of his operating costs and loss of operational revenues.</p>
13.	<p>VI GS 166 139.3</p>	<p>Please confirm that the bidder is only required to price the extent of surveys described in the General Specification, and that if circumstances</p>	<p>In Attachment 2B, the CP102 Contractor is not prohibited from claiming to CP101 Contractor any and all costs, expenses, losses and damages to be incurred by the CP102 Contractor arising out of</p>

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14.	<p>Condition Surveys The extent of Pre-Construction Condition Survey defined in this section shall be treated as the minimum requirements, and it can, therefore, vary depending upon the Contractor's method of construction and approach to the Project..</p> <p>VI GS 108 126.8 Design Modifications for Interfacing Contractors "....the Contractor shall, at no additional payment and/or no extension of the Time for Completion, make supplemental design or modify the Employer's design,..."</p>	<p>arise in which more extensive surveys are required then the additional costs will be recoverable under Variation Orders.</p> <p>Since the Bidder cannot price the unlimited risk of the requirements of other parties, please confirm that the Contractor will be duly compensated for the costs and time delays arising from the changes to the Employer's design required by Interfacing Contractors or External Parties.</p>	<p>failure by the CP101 contractor to provide the CP102 Contractor with these facilities.</p> <p>An experienced Bidder is required to prepare proper Price Bid reviewing GS 126 and other Bidding Documents. Compensation and extension of time will be fixed on a case by case basis.</p>
15.	<p>VI GS 146 134.4 Attendance on Interfacing Contractors General attendance shall include providing for accepting deliveries, unloading and storing materials for the other contractors on the Site.</p>	<p>Please confirm that the Contractor shall not be required to handle any Plant, Equipment or Materials of Interfacing Contractors.</p>	<p>The Contractor shall coordinate and confirm with the interfacing contractors.</p>
16.	<p>GS 108 119.3.2 Time for Response to Submissions Working Drawings are to be submitted for the Engineers approval in accordance with the procedures given</p>	<p>Please confirm that all submissions to the Engineer will be responded to within 28 days</p>	<p>Please follow the Contract.</p>

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17.	<p>under GS 120 on or before the date shown within the Contractors DSR. If no such date is given, the Contractor shall allow a minimum of 28 days for the Engineer to review and comment upon the submission.</p> <p>VI GS APP1-3 2.1 5) a) 2.2 1) d) Existing Buildings "d) Underpinning and protection of the existing buildings and structures wherever required,"</p>	<p>Please provide a list of existing buildings that require underpinning and protection and confirm how such work is to be paid for.</p>	<p>It should be proposed by the Contractor, if necessary. Client does not have any plan of underpinning works so far.</p>
18.	<p>VI GS APP4-27 2.1 6 Work on North Avenue Station #1 Removal of strut, kingpost , and flood protection wall, Backfilling works, D-wall cutting by CP102, design by CP101</p>	<p>Please provide drawings and specifications with methods of measurement for this work.</p>	<p>Regarding drawings , please refer to GBB5. Regarding specification , It mentioned TS</p>
19.	<p>VI GS APP4-27 2.1 7 Work on North Avenue Station #2 Construction for Slab of Shaft in North</p>	<p>Please provide drawings and specifications with methods of measurement for this work.</p>	<p>Regarding drawings , please refer to GBB5. Regarding specification , It mentioned TS</p>

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20.	Avenue Station. VI GS APP4-31 2.3.2 Penetrations with sleeves. Supply and Fix is assigned to both CP102 and CP106	Please advise how this work is to be shared between CP102 and CP106.	Each Contractor is responsible for each sleeves and penetrations for its own network. Sleeves for CP102 network is related to CP102 Contractor
21.	VI GS APP1-6 Appendix I 2.2.3) a) Redundancy The basic function shall be furnished with a redundancy consideration regarding underground stations and tunnels on mechanical and electrical systems	Please confirm the requirements for redundancy.	Redundancy is required to all railway system related to safety
22.	GS Appendix I Scope of Works 2.2.2) Tunnel Structure, a) refers Volume II Part 2 Works Requirements Section VI General Specifications Clause 113.1.1.1 2nd Paragraph Appendix 1, Section 2.1 2) Utilities Management and Diversion	Employer is requested to clarify whether East Avenue Station to Anonas Station is included in the scope of Tunnel Structure.  Employer is requested to clarify if the utilities specified in the drawing such as UT-CE-QA-0004, UT-CE-EA- 0005, STN-CE-EA-0418 and STN-CE-EA-0419 will be removed and relocated by others before the commencement day.	East Avenue STA. to Anonas STA. was included in CP103.
23.			Utilities will be removed and relocated before the commencement day.



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24.	<p>Volume II Part 2 Work requirements Section VI Work Requirements General Specification( GC) 139.1 Dilapidation Survey</p>	<p>May we request for the As-Built Drawings of the following structures that are adjacent to or above the Tunnel Alignment and both Quezon Avenue &amp; East Avenue Stations as these structures may affect the construction of the construction of the tunnels and stations: 1) Ayala Trinoma 2) Solaire North 3) MRT-7 (intersection of North Avenue and Mindanao Avenue) 4) MRT-3 (from Quezon Ave Station to North Avenue Station) 5) Avida Towers Sola 6) Avida Towers Vita 7) Centris Station mall 8) Cyberpod Centris One 9) Cyberpod Centris Two 10) Cyberpod Centris Three 11) National Printing Office 12) National Irrigation Administration 13) National Electrification Administration 14) Land Registration Administration Compound 15) DPWH QC Compound</p> <p>The above structures may have foundations and/or soi anchors that protrude into the Tunnel Alignment and Station Buildings and need to be considered in our Technical and Financial Proposal.</p>	<p>The adjacent structure's foundation data will be provided.</p>
25.	<p>GS 74</p>	<p>Please refer to the attached annexes. Please confirm that the Contractor is not required to price the cost of the Environmental Monitoring</p>	<p>It is required.</p>

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	118 Environmental Monitoring Fund	Fund.	Please see Page 85 of GS, 118.5.5 Environmental Rehabilitation Program. As described, the Contractor shall set-up the Environmental Guarantee Fund (EGF). In addition to that information in the GS above, The amount is described in the Environmental Performance Report and Management Plan which is prepared because of the change of alignment of MMSF in 2019, following the original EIS document. It is discussed in the page 6-16, Five Million Pesos per contract package will be set aside Cash Fund. Also, based on the latest consultation between DOTr and External Monitoring Agency which have the same role as MMT, Five Million Pesos was confirmed.
26.	VI GS 105 118.11.1 (d) (ii) Payment for Environmental Management “(ii) 60% shall be paid in equal instalments subject to certification by the Engineer of the Contractor’s 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;”	Please confirm that if payment is withheld in a month if the Engineer does certify compliance, then that missing payment will be paid once the issues are resolved and the Engineer once again certifies compliance.	The missing payment will be paid once the issues are resolved and the Engineer once again certifies compliance.
27.	Section VI (GS) Section 118.5.5.2 (EGF), and Appendix 7 Section 6.3 (Environmental Monitoring and	Employers are requested to confirm that the amounts to be allocated to EMF and EGF shall be as shown in GS Appendix 7 Sub-Clause 6.3 and	VO will be issued if there’s a change. In addition to that information in the GS and Appendix 7, the

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	<p>Guaranteed Fund Commitment To show the commitment of DOTr to establish the EMF and EGF, the amount of Php 250,000.00 for EMF and Php 350,000.00 for EGF will be initially allocated annually. However, the actual amount that will be allocated for EMF and EGF will be finalized during the DED phase and with the consultation of the MMT upon its creation.</p>	<p>that in the event that those amounts are changed by DENR / EMB, then a variation order will be issued accordingly.</p>	<p>amount is described in the Environmental Performance Report and Management Plan (EPRMP) which is prepared because of the change of alignment of MMSP in 2019, following the original EIS document. It is discussed in the page 6-16, Five Million Pesos per contract package will be set aside Cash Fund.</p> <p>Also, based on the latest consultation between DOTr and External Monitoring Agency which have the same role as MMT, Five Million Pesos was confirmed. DOTr is already finalizing MOA with DENR about this amount at this moment.</p> <p>Also, based on the latest consultation between DOTr and External Monitoring Agency which have the same role as MMT, Five Million Pesos was confirmed.</p>
<b>Volume II Works Requirements Section VI</b>			
<b>Works Requirements – Technical Specification (TS)</b>			
28.	<p>TS3 32 101.1.1 5) d) d) Contractor's Maintenance Plan The requirements for the Contractor's Maintenance along with Contractor's obligations in this connection have been outlined in the Section 136 of the General Specifications and elsewhere in the Contract Documents, which shall</p>	<p>Please confirm that the Contractor is not required to undertake any maintenance but only the repair of defects.</p>	<p>The Contractor is required to undertake all maintenance, repair, defects, etc. during the contractor warranty period.</p>

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29.	<p>be followed by the Contractor. The Contractor shall prepare outline plans for the management of the maintenance function and submit them for review by the Engineer.</p> <p>TS4 43 2004.3.18 Butting Area of the Slabs and Diaphragm Wall "Where the slabs are not structurally integrated with Diaphragm Wall with the couplers, at as part of launching/Arrival Shaft with Inner wall, shall be treated the surface of Diaphragm Wall with an extra precaution such as applying bonding agent so that loads from Diaphragm Wall will transfer to the slabs adequately."</p>	<p>Please refer to GBB6. This item is not applicable</p>
30.	<p>TS-3 10 101.1.1 Tunnel Ventilation System</p>	<p>Please confirm that: a) the requirements arising from the SES Simulation have been incorporated into the Drawings, and b) that The Contractor is not required to undertake any further SES Simulation.</p> <p>During the construction stage, the Contractor performs SES/CFD. The contractor will demonstrate through SES that the proposed equipment for the tunnel ventilation system is adequate to perform satisfactorily and to assess tunnel ventilation requirements.</p> <p>The subway environmental simulation (SES) program is a</p>

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31.	<p>Volume I Part 1 Bidding Procedures, EQC-4, 1.1.5 Method of Implementation of the Works, BF-43, Method of Implementation of the Works</p> <p>Volume II Part 2 Work Requirements Technical Specifications (TS) 4: Underground Structures Page 191 Part 22: 2200 NATM and Related</p>	<p>In the Technical Specifications (TS), it is mentioned that Part 22: 2200 NATM and Related works is "Not Used".</p> <p>The Bidder would like to clarify if the Bidder needs to provide Method Statement for the NATM Tunnel Work as required in the Method of Implementation of the Works.</p>	<p>comprehensive software created for transit design application.</p> <p>Tunnel ventilation modelling (1D simulation) is mandatory to predict temperature, pressure and airflow response of the system under all operating modes (normal operation, congested mode and fire emergencies in tunnels).</p> <p><b>Computational Fluid Dynamics (CFD)</b> is a software for air turbulence model (3D simulation) used to predict velocity field and temperature field at the station under some reasonable presumptions in the investigation and study of fire scenarios at stations.</p> <p>Please refer to Japanese Specification as "Standard Specification for Mountain Tunnels-2016-JSCE".</p>

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32.	<p>works (3) Tunnel Works; TBM Tunnel 3.3 Tunnels Works; Open Cut and Cover Tunnel and NATM Tunnel for Construction of Station and TBM Tunnel for Tunnel between Stations, Part 22: 2200 NATM and Related works – "Not Used" Volume I Part 1 Bidding Procedures, EQC-4, 1.1.5 Method of Implementation of the Works, BF-43, Method of Implementation of the Works, Volume II Part 2 Work Requirements Technical Specifications (TS) 1: Civil Works (General) Page 51 to 61 Part 3: Surface Courses (5) Roadworks; Portland Cement Concrete and Asphalt Pavement,</p>	<p>In the Technical Specifications (TS), it is mentioned in Part 3 Surface Courses that all related specification for Asphalt Pavement are "Not Used" such as:  301 Bituminous Prime Coat 302 Bituminous Tack Coat 303 Bituminous Seal Coat 304 Bituminous Surface Treatment 305 Bituminous Road Mix Surface Course 306 Bituminous Plant-Mix Surface Course-General 307 Cold Asphalt Plant-Mix 308 Bituminous Plant-Mix (Stockpile Maintenance Mixture) 309 Bituminous Concrete Surface Course, Hot-Laid</p>	<p>The general matters related to subway construction are mentioned in EQC. On the other hand, The matters related to CP102 are mentioned in TS. Regarding the provision of the method statement please judge based on the construction contents.</p>
	<p>The Bidder would like to confirm if the Bidder needs to provide Method Statement for the Asphalt Pavement as required in the Evaluation and Qualification Criteria (EQC); 1.1.5 Method of</p>		

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33.	<p>3.5 Roadworks; Portland Cement Concrete and Asphalt Pavements,</p> <p>Part 3: Surface Courses;</p> <p>301 Bituminous Prime Coat – (Not Used)</p> <p>302 Bituminous Tack Coat – (Not Used)</p> <p>303 Bituminous Seal Coat – (Not Used)</p> <p>304 Bituminous Surface Treatment – (Not Used)</p> <p>305 Bituminous Road Mix Surface Course – (Not Used)</p> <p>306 Bituminous Plant-Mix Surface Course-General – (Not Used)</p> <p>307 Cold Asphalt Plant-Mix – (Not Used)</p> <p>308 Bituminous Plant-Mix (Stockpile Maintenance Mixture) – (Not Used)</p> <p>309 Bituminous Concrete Surface Course, Hot-Laid – (Not Used)</p> <p>Section IV Bidding Form Bill of Quantities Bill NO.3A &amp; 3B, and Section VI Work Requirement Technical Specification (TS) 4: Underground Structures</p>	<p>Implementation of the Works, and Method of Implementation of the Works.</p> <p>With regard to TS 2012 [Instrumentation and Monitoring], Pay Item No. 2012 (1) are shown in Station Civil Structure Works: Bill No. 2B and 2C, however not in Tunnel Works: Bill No. 3A or 3B. Employers are requested to advise whether TS 2012 is applicable to Tunnel Works or not. If applicable, please further advise in which Pay</p>	<p>Instrumentation and Monitoring of Tunnel Work is not an independent BOQ item, bidders are required to include the cost of it into "Tunnel Excavation".</p>

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34.	<p>Sub-Section 2012.5.2 Pay Item 2012(1)Instrumentation and Monitoring.</p> <p>Section VI Technical Specification(TS) 4:Underground Structures 2004.7.2 Basis of Payment, 2) Installation and Removal of Guide Wall; and BOQ Bil NO.2B / 2C Pay item Nos. 2004 (2)</p> <p>Guide wall for Diaphragm Wall (1.2m)</p>	<p>Items those costs be included and how to be paid.</p> <p>Please clarify whether the Quantities of Pay Item Nos. 2004 (2) in BOQ No.2B / 2C are inclusive of the "Temporary Wall" described in the Drawing No. STNCE-QA-0409 and STN-CE-EA-0404, or not. If not, please further advise where those costs are to be included.</p>	<p>BOQ item "Guide Wall for Diaphragm Wall, W=?m" is for the Guide Wall of the Diaphragm Wall, no matter if it is temporary or permanent.</p>
35.	<p>Section VI Technical Specification(TS) 4:Underground Structures 2004.7.2 Basis of Payment, 3) Diaphragm Wall Installation Including Excavation, Concrete, and Waterstop; and BOQ Bil NO.2B / 2C Pay item Nos. 2004 (4) Diaphragm Wall (1.2m)</p>	<p>Please clarify whether the Quantities of Pay Item Nos. 2004 (4) in BOQ No.2B / 2C are inclusive of the "Temporary Wall" described in the Drawing No. STNCE-QA-0409 and STN-CE-EA-0404, or not. If not, please further advise where those costs are to be included.</p>	<p>BOQ item "Diaphragm Wall, W=?m, Concrete Class B" is for Diaphragm Wall, no matter if it is temporary or permanent.</p>
36.	<p>Section VI Technical Specification(TS) 4:Underground Structures, 2004.7.2 Basis of Payment, 4) Demolition of Diaphragm Wall for passenger-way, cut and cover tunnel and Ventilation shaft; and BOQ Bil NO.2B / 2C Pay item Nos. 2004 (6) Demolition of Diaphragm Wall for passenger-way, cut and cover tunnel and Ventilation shaft</p>	<p>Please clarify whether the Quantities of Pay Item Nos. 2004 (6) in BOQ No.2B / 2C are inclusive of the "Temporary Wall" described in the Drawing No. STNCE-QA-0409 and STN-CE-EA-0404, or not. If not, please further advise where those costs are to be included.</p>	<p>BOQ item "Demolition of Diaphragm Wall for passenger-way, cut and cover tunnel and Ventilation shaft" is for Demolition of Diaphragm Wall, no matter if it is temporary or permanent.</p>



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37.	TS 3 158 1121.1.1 (i) Low Voltage Power Cables; Armouring "Armouring shall be single flat/round wire of galvanized steel for multicore cables and aluminium (if required) for single core cable."	The drawing plans only reflect Cu/XLPE cables and all without steel armour. The Bidder would like to confirm which will prevail.	Per industry standard and best trade practice all multicore cable used with type XLPE shall be armoured.  All electrical works shall comply with all the provisions stipulated in the TS as mandated by GS, therefore, shop drawings shall be prepared and submitted in accordance with such standards.
<b>Volume III Part2: Works Requirements</b>			
<b>Works Requirements – Employer's Drawings (DRW)</b>			
38.	Right of Way for Land at East Avenue Station. Drawings of temporary hoardings at EA Station indicate the right of way to be provided to the Contractor for land use for construction.	Drawings of the plaza for EA Station show that additional areas outside the hoarding line are required for station plaza construction. Please confirm that the Contractor will have right of way for land use to the full extent required for construction throughout the duration of the Contract.	Refer to GBB8.  The drawing "UT-CE-EA-006" does not cover the construction yard for the Station Plaza. The said drawing will be amended covering the Station Plaza and be provided as Addendum. Other drawings related to the construction yard of the Station Plaza will not be amended, but bidders are requested to refer to the said drawing accordingly.
39.	Land Acquisition and Utility Relocation	What is the status of land acquisition and utility relocation at East Avenue and Quezon Avenue Stations?	To be confirmed and updated accordingly. Utility relocation will be done after land acquisition.
40.	Advertisement Panels at TrackSide DWG Nos. STN-AR-A-QA/EA-9400	We cannot find any pay items or specifications for advertisement panels at track side in BOQ. May we consider that advertisement panels at track side are under the scope of Railway Systems Contract?	Advertisement panels at track side are under Railway Systems as per Scope of Works. Based on MEP TS Section 1.11.1.1 under item H signage and advertising system shall be provided with complete and operational systems for both normal and standby electric power systems.  All advertisement panels at track side are considered exterior lighting fixtures per TS 632 of TS Civil and shall be priced at lump sum per details shown in STN-AR-A-QA/EA-9400(Rev. 1)

Metro Manila Subway Project Phase 1  
PACKAGE CP102 (Quezon Avenue and East Avenue)

ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
<p><b>Volume IV Part3: Conditions of Contract and Contract Forms</b></p>			
41.	<p>Volume IV Section VIII Particular Conditions PC-8 ATTACHMENT-2A TO PART A : CONTRACT DATA OF PARTICULAR CONDITIONS OF CONTRACT PROVISION OF TBM RETRIEVAL WINDOWS TO THE CP103 CONTRACTOR AT EAST AVENUE STATION (2) Period and other conditions for provision of TBM Windows:  (i) The Contractor shall leave Retrieval Shaft including access road within custody of CP103 Contractor for the purpose of TBM Retrieval Windows for the period of no shorter than two (2) months per each tunnel.</p>	<p>The timeline provided (which is a period of no shorter than 2 months per each tunnel) is the minimum limit period of Retrieval Windows.  The Bidder would like to clarify the maximum limit of period of CP103 TBM Retrieval Windows to firm the programme.</p>	<p>It should be coordinated with the CP103 contractor as interface coordination.</p>
<p><b>Volume V. Part 4: Relevant Information</b></p>			
42.	<p>Particular Conditions Attachment-2B to Part A  General Specification Appendix 4(Contractor's Interface Coordination</p>	<p>Employer is requested to provide the details of temporary works and RC slab details of the shaft in North Avenue Station. Please also advise the respective BOQ for pricing for such works.</p>	<p>Regarding drawings please refer to GBB5. Regarding BOQ please plan accordingly for the current BOQ.</p>

**Metro Manila Subway Project Phase 1**  
**PACKAGE CP102 (Quezon Avenue and East Avenue)**

ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
43.	<p>with Others) refers Section III, Particular Conditions Attachment-2B Provision of Tunnel Worksite and TBM Launch Shaft by the CP101 Contractor at North Avenue Station, (2) Period and other conditions for provision of TBM Worksite and Launch Shaft, (i) CP101 Contractor will leave the Retrieval Shaft ... no shorter than two (2) months per each tunnel.</p>	<p>Bidder is unable to assess how large is the risk exposure which may be claimed by CP101 contractor due to Contractor's possible delay, because there is no Key Date which is set out for the TBM Retrieval Windows. Bidder requests Employer that Delay Damage (ref. GC 8.7) shall be applied to avoid any dispute and/or verification for the determination of the claimed amount with respect to CP101 contractor. Bidders also request Employer to confirm that the right of claim shall be reciprocal both of Employer and Contractor are mutually indemnified.</p>	<p>If this situation were to occur, the CP 102 Contractor would retain sole responsibility of the worksite until their works are complete.</p>
44.	<p>Section III, Particular Conditions Attachment-2B Provision of Tunnel Worksite and TBM Launch Shaft by the CP101 Contractor at North Avenue Station, 2nd and 3rd paragraph: "Neither the Employer nor the Engineer shall be liable for any and all costs, expenses, losses and damages to be incurred by the Contractor arising out of failure by the CP101 contractor</p>	<p>Bidder is unable to assess how large is the risk exposure which may be claimed by CP101 contractor due to Contractor's possible delay because there is no Key Date which is set out for the TBM Launch Windows. Bidder requests Employer that Delay Damage (ref. GC 8.7) shall be applied to avoid any dispute and/or verification for the determination of the claimed amount with respect to CP101. Bidder also request Employer to confirm that the right of</p>	<p>Access date shall be determined as the interface coordination.</p>

General Bid Bulletin No.9  
Annex "A"

Metro Manila Subway Project Phase 1  
PACKAGE CP102 (Quezon Avenue and East Avenue)

ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
	<p>to provide the Contractor with these facilities as specified hereunder. "The Contractor shall agree that it shall indemnify, defend and hold harmless the Employer and the Engineer against and from any and all cost, expenses, losses and damages to be incurred by the CP101 contractor arising out of failure by the Contractor to hand back relevant works area to the CP101 contractor in accordance with the provisions specified hereunder.</p>	<p>claim shall be reciprocal and both of Employer and Contractor are mutually indemnified.</p>	
45.	<p>Section III EQC Clause 1.1.8 and Section IV Bidding Forms BF37, BF-39, BF-43, BF-47, BF-48, refers</p>	<p>Employers are requested to confirm that the amounts to be allocated to EMF and EGF shall be that in the event that those amounts are changed by DENR / EMB, then a variation order will be issued accordingly.</p>	<p>VO will be issued if there's a change.  In addition to that information in the GS and Appendix 7, the amount is described in the Environmental Performance Report and Management Plan (EPRMP) which is prepared because of the change of alignment of MMSP in 2019, following the original EIS document. It is discussed in the page 6-16, Five Million Pesos per contract package will be set</p>

Metro Manila Subway Project Phase 1  
PACKAGE CP102 (Quezon Avenue and East Avenue)

ITEM NO.	REFERENCE/CLAUSE/SECTION	QUERIES	RESPONSE
46.	<p>NA Station Sequence of Working 202100809+Temporary++Drawings+fo r+North+Avenue+Station+Shaft+final. These drawings show that for the last 33.5m of station, columns and slabs are not cast at the time that CP102 has access for TBM work. They show the diaphragm walls supported by temporary work. It is understood that the CP102 Contractor is intended to cast the slabs and columns and to remove the temporary works.</p>	<p>The space available for launching and operating the two TBM drives is severely restricted by the temporary works. a) Please confirm that the Contractor is allowed to cast the slabs and columns and to remove the temporary propping before tunnelling commences. b) Please confirm that the Contractor may construct temporary openings in the slabs above each track for delivering the TBM's and servicing the tunnel drives. c) Please confirm that CP102 will have access to NA Station site on the Commencement Date.</p>	<p>aside Cash Fund. Also, based on the latest consultation between DOTr and External Monitoring Agency which have the same role as MMT, Five Million Pesos was confirmed. DOTr is already finalizing MOA with DENR about this amount at this moment. Also, based on the latest consultation between DOTr and External Monitoring Agency which have the same role as MMT, Five Million Pesos was confirmed. Regarding (a) and (b), these are available. However, please plan according to GS and TS. Regarding (c), please decide through interface coordination with CP101.</p>
47.	<p>NA Station Flood Protection Wall 202100809+Temporary++Drawings+fo r+North+Avenue+Station+Shaft+final. The drawings show temporary flood protection walls at each level of the station.</p>	<p>Please advise who is responsible for removing the flood protection wall and when it will be demolished.</p>	<p>CP102 is responsible for removing the flood protection wall. Regarding the removal time, Please plan considering the purpose of the flood protection wall.</p>

General Bid Bulletin No.9  
Annex "B"

**Metro Manila Subway Project Phase 1**  
**PACKAGE CP102 (Quezon Avenue and East Avenue)**

**Volume I. Part 1 Bidding Procedures**

No.	Reference	Corrected, Supplemented or Modified
1.	Section IV Bidding Forms, Page BF-44	Please replace Form EQU with the revised one shown in Annex "C" of this GBB No.9.

Please replacements/modifications are as follows:

**Volume II Part 2: Works Requirements Section VI Works Requirements General Specifications (GS)**

No.	Reference	Original	Corrected, Supplemented or Modified
2.	101 APPLICATION OF THE GENERAL SPECIFICATIONS  Page-1	(c) The provisions contained in the International Standards  (d) The provisions contained in the Philippine Standards	(c) The provisions contained in the Philippine Standards  (d) The provisions contained in the International Standards
3.	101 APPLICATION OF THE GENERAL SPECIFICATIONS  Page-1	The various Contract Documents make reference to many specific Standards and Codes of Practice, the proper application of which will result in the Works of an appropriate and acceptable quality fulfilling the engineering, design and aesthetic requirements of the Employer, and the Contract has been awarded on the strict understanding that these documents shall be followed,	The various Contract Documents make reference to many specific Standards and Codes of Practice, which is of latest version should be used and the proper application of which will result in the Works of an appropriate and acceptable quality fulfilling the engineering, design and aesthetic requirements of the Employer, and the Contract has been awarded on the strict understanding that these documents shall be followed,
4.	106 TESTING 106.1 General	In addition, E&M Building facilities such as Elevator, Escalator, VAC, Chiller and Air Handling Unit shall be subject to Factory Acceptance Tests. Other E&M Building Services for inclusion into the Stations shall also be subject to Factory Acceptance Test.	In addition, E&M Building facilities "but not limited to" such as Elevator, Escalator, VAC, Chiller and Air Handling Unit shall be subject to Factory Acceptance Tests. Other E&M Building Services for inclusion into the Stations shall also be subject to Factory Acceptance Test.

**Metro Manila Subway Project Phase 1**  
**PACKAGE CP102 (Quezon Avenue and East Avenue)**

Page-20	APPENDIX 4  APP 4-39	<p>Regarding "Temporary Services", refer to APPENDIX 11 TEMPORARY SERVICES.</p> <p>Added the following notes</p> <p><b>Note 1:</b> The Contractor shall provide design specification with design calculation for all CP 106 E&amp;M System Equipment Room environmental conditioning conformity shall comply with the CP 106 requirements. The Environmental Condition system design by the Contractor shall include redundant solutions to maintain the constant ambient condition of the system equipment rooms. Remote monitoring such as remote alarms sent to the Building Management system, avoiding risk to the equipment from moisture buildup leading the O&amp;M Concessionaire to stop operation. The design solution shall eliminate the critical risks to the E&amp;M Systems. The Contractor shall provide a best practice approach for the Engineer approval and The Employer acceptance.</p> <p><b>Note 2:</b> All CP106 E&amp;M System Equipment Room shall have the provision to conduct maintenance and equipment replacement provision. For example, requirements for large equipment replacement such as rectifiers and transformers by the O&amp;M Concessionaire. The Contractor shall liaise with the CP106 Contractor before construction.</p>																									
6.	APPENDIX 8  APP 8-34	<p>Regarding "Temporary Services", refer to APPENDIX 11 TEMPORARY SERVICES.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Software</th> <th style="text-align: center;">Minimum Users</th> </tr> </thead> <tbody> <tr> <td>Projectwise 365 Visa</td> <td style="text-align: center;">30</td> </tr> <tr> <td>Projectwise Design Integration Visa</td> <td style="text-align: center;">20</td> </tr> <tr> <td>Projectwise Construction Management</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Synchro</td> <td style="text-align: center;">5</td> </tr> <tr> <td>ComplyPro</td> <td style="text-align: center;">5</td> </tr> </tbody> </table>	Software	Minimum Users	Projectwise 365 Visa	30	Projectwise Design Integration Visa	20	Projectwise Construction Management	5	Synchro	5	ComplyPro	5	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Software</th> <th style="text-align: center;">Minimum Users</th> </tr> </thead> <tbody> <tr> <td>Projectwise 365 Visa</td> <td style="text-align: center;">30</td> </tr> <tr> <td>Projectwise Design Integration Visa</td> <td style="text-align: center;">20</td> </tr> <tr> <td>Projectwise Construction Management</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Synchro</td> <td style="text-align: center;">5</td> </tr> <tr> <td>ComplyPro</td> <td style="text-align: center;">5</td> </tr> </tbody> </table>	Software	Minimum Users	Projectwise 365 Visa	30	Projectwise Design Integration Visa	20	Projectwise Construction Management	10	Synchro	5	ComplyPro	5
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General Bid Bulletin No.9  
Annex "B"

**Metro Manila Subway Project Phase 1**  
**PACKAGE CP102 (Quezon Avenue and East Avenue)**

7.	APPENDIX 6 APP 6-3	PART 2: Civil Works Chapter 2 Section 7 CP108 (Lawton East ~ Lawton West)	PART 2: Civil Works Chapter 2 Section 7 CP108 (Lawton ~ Senate) Section 8 CP109 (T3)
8.	APPENDIX 6 APP 6-3	PART 2: Civil Works Chapter 3 Section 7 CP108 (Lawton East ~ Lawton West)	PART 2: Civil Works Chapter 3 Section 7 CP108 (Lawton ~ Senate) Section 8 CP109 (T3)



General Bid Bulletin No. 9  
Annex "B"

<b>Metro Manila Subway Project Phase 1</b> PACKAGE CP102 (Quezon Avenue and East Avenue)	
<b>ITEM NO.</b>	<b>REFERENCE CLAUSE/SECTION</b>
	<b>ADDENDUM No. 9</b>

<b>Volume IA Part I Bidding Procedure Bill of Quantities (BOQ)</b>	
9.	Replace Bill No.2B, No.2C STATION CIVIL STRUCTURE WORKS (QUEZON AVENUE STATION) STATION CIVIL STRUCTURE WORKS (EAST AVENUE STATION)

<b>Volume II Part 2: Works Requirements Section VI Works Requirements Employer's Drawings</b>	
<b>No.</b>	<b>Reference</b>
<b>Corrected, Supplemented or Modified</b>	
<b>Civil Drawings Alignment Profile And Plan</b>	
10.	GN-CE-0001
	"Reference Only" is deleted.
11.	GN-CE-0002
	"Reference Only" is deleted.
12.	GN-CE-0003
	"Reference Only" is deleted.
13.	GN-CE-0004
	"Reference Only" is deleted.
14.	GN-CE-0005
	"Reference Only" is deleted.

<b>Civil Drawing Quezon Avenue Station</b>	
15.	No. STN-CE-QA-0004,0006,0007 0009,0014,0027, 0029~0034, 0037,0038,  0303,0308,0311, 0324~0328 Adjusted styles

General Bid Bulletin No. 9  
Annex "B"

Metro Manila Subway Project Phase 1 PACKAGE CPI02 (Quezon Avenue and East Avenue)		ADDENDUM No. 9
ITEM NO.	REFERENCE CLAUSE/SECTION	
16.	No. STN-CE-QA-0005,0026,0036	Changed shape of opening reinforcement beam and adjusted styles
17.	No. STN-CE-QA-0022,0024	Deleted columns and adjusted styles
18.	No. STN-CE-QA-0016, 0310	Revised shape of reinforcement beam and adjusted styles
19.	No. STN-CE-QA-0035	Revised shape of reinforcement beam
20.	No. STN-CE-QA-0008,0028, 0316,0317	Revised width of stair and ESC and adjusted styles
21.	No. STN-CE-QA-0001,0010~0013, 0015 ~ 0024, 0039 ~ 0042, 0301, 0315 ~ 0317, 0329 ~ 0333	Added column capital and adjusted styles
22.	No. STN-CE-QA-0025	Added column capital
23.	No. STN-CE-QA-0002,0003	Updated architectural layout and adjusted styles
24.	No. STN-CE-QA-0317	Revised width of stair and ESC, added column capital and adjusted styles
25.	No. STN-CE-QA-1301~1304	Added strut and wale and rearranged excavation level and length of soldier pile
26.	No. STN-CE-QA-0101~0103, 0105~0106,0108,	Adjusted styles

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Annex "B"

Metro Manila Subway Project Phase 1 PACKAGE CPI02 (Quezon Avenue and East Avenue)		ADDENDUM No. 9
ITEM NO.	REFERENCE CLAUSE/SECTION	
	0113~0115, 0129,0137  0201~0202, 0204~0207,  0322~0323, 0337~0353,  0401, 0403~0404, 0407~0409, 0411, 0420~0421, 0423,	
27.	No. STN-CE-QA-0412~0413,	Added dowel bars and adjusted styles
28.	No. STN-CE-QA-0104,0107,0117, 0130~0133, 0136, 0138~0139,	Added cross section and adjusted styles
29.	No. STN-CE-QA-0208,	Added column capital and adjusted styles
30.	No. STN-CE-QA-0278,	Added column capital and note and adjusted styles
31.	No. STN-CE-QA-0237~0240,	Added drawing

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Annex "B"

Metro Manila Subway Project Phase 1 PACKAGE CP102 (Quezon Avenue and East Avenue)	
ADDENDUM No. 9	
ITEM NO.	REFERENCE CLAUSE/SECTION
	0253~0254, 0268~0270, 0334~0336
32.	No. STN-CE-QA-0109,0125 Reflected calculation, added column capital and adjusted styles
33.	No. STN-CE-QA-0142 Reflected calculation, added cross section and column capital and adjusted styles
34.	No. STN-CE-QA-0110~0112, 0126~0128, 0140~0141, 0143 Reflected calculation and adjusted styles
35.	No. STN-CE-QA-0118~0124, 0135 Changed anchorage length of re-bar and adjusted styles
36.	No. STN-CE-QA-0134 Added cross section and column capital and changed anchorage length of re-bar
37.	No. STN-CE-QA-0212 Added dowel bars and note and adjusted styles
38.	No. STN-CE-QA-0217 Changed shape of reinforcement beam, added note and cross section and adjusted styles
39.	No. STN-CE-QA-0209 0214~0215, 0219,0227, 0230, 0234~0235, 0244, 0247~0250, 0255,0257, 0262~0266, Added note and adjusted styles

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Annex "B"

<b>Metro Manila Subway Project Phase 1</b> <b>PACKAGE CP102 (Quezon Avenue and East Avenue)</b>	
<b>ITEM NO.</b>	<b>REFERENCE CLAUSE/SECTION</b>
<b>ADDENDUM No. 9</b>	

	0272, 0275~0277	
40.	No. STN-CE-QA-0210~0211, 0225~0226, 0228~0229, 0232,0236, 0241,0243, 0245~0246, 0252,0256, 0258~0261, 0267,0271, 0273~0274	Reflected calculation, added note and adjusted styles
41.	No. STN-CE-QA-0213,0251	Revised restrained beam and added note
42.	No. STN-CE-QA-0218, 0220~0223	Added note
43.	No. STN-CE-QA-0224,0242	Added cross section and note and adjusted styles
44.	No. STN-CE-QA-0216,0231	Changed shape of reinforcement beam, added note and adjusted styles
45.	No. STN-CE-QA-0233	Reflected calculation, changed shape of reinforcement beam, added note and adjusted styles
46.	No. STN-CE-QA-0410	Added column capital and bottom floor beam
<b>Civil Drawing East Avenue Station</b>		
47.	No. STN-CE-EA-0004~0007, 0009~0011, 0016~0017,	Adjusted styles

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Annex "B"

Metro Manila Subway Project Phase 1 PACKAGE CP102 (Quezon Avenue and East Avenue)	
ITEM NO.	REFERENCE CLAUSE/SECTION
	0020,0024, 0026,0031, 0034~0035
	0313,0315,0317, 0319~0320
48.	No. STN-CE-EA-0001, 0012~0015, 0021, 0032~0033, 0036~0038,
	Added column capital and adjusted styles
49.	0301
	No. STN-CE-EA-0307
	Added column capital
50.	No. STN-CE-EA-0028,0030
	Corrected opening position
51.	No. STN-CE-EA-0008,
	Corrected opening position and adjusted styles
	0312
52.	No. STN-CE-EA-0018,0019
	Added tables and adjusted styles
53.	No. STN-CE-EA-0022,
	Added detail and revised table
54.	No. STN-CE-EA-0314,0316
	Added details
55.	No. STN-CE-EA-0318
	Added details and adjusted styles
56.	No. STN-CE-EA-0002,0003
	Updated architectural layout and adjusted styles
57.	No. STN-CE-EA-1501~1503, 1506~1507,
	Added strut and wale and rearranged excavation level and length of soldier pile

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Annex "B"

Metro Manila Subway Project Phase 1 PACKAGE CP102 (Quezon Avenue and East Avenue)		ADDENDUM No. 9
ITEM NO.	REFERENCE CLAUSE/SECTION	
	1510~1517	
58.	No. STN-CE-EA-0101~0102, 0111,0116,0121, 0302, 0402,0403, 0408,0409,0416	Adjusted styles
59.	No. STN-CE-EA-0104	Added cross section and adjusted styles
60.	No. STN-CE-EA-0103,0105,0110, 0112,0115, 0117~0120	Changed anchorage length of re-bar and adjusted styles
61.	No. STN-CE-EA-0108~0109, 0113~0114	Corrected reinforcement and adjusted styles
62.	No. STN-CE-EA-0106~0107, 0122~0126	Added drawing
63.	No. STN-CE-EA-0127~0128	Added column capital and adjusted styles
64.	No. STN-CE-EA-0204~0205	Added column capital and note
65.	No. STN-CE-EA-0201~0203, 0206~0221	Added note and adjusted styles
66.	No. STN-CE-EA-0405	Adjusted styles and deleted the line

Technical Bid: Contents No. 7.4

**MAJOR PLANT AND EQUIPMENT INTENDED TO BE MOBILIZED AT SITE**

**Form EQU: Equipment**

[insert day, month, year]

Bidder's Legal Name: [insert full name]

Joint Venture Party Legal Name: [insert full name]

IFB No. [insert number]

Page [insert page number] of [insert total number] page

*[The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section III, Evaluation and Qualification Criteria, Clause 1.1.3. A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder.]*

<b>Item of equipment</b>	
<b>Equipment information</b>	<b>Name of manufacturer</b>
	<b>Capacity</b>
<b>Current status</b>	<b>Model and power rating</b>
	<b>Year of manufacture</b>
<b>Current status</b>	<b>Current location</b>
	<b>Details of current commitments</b>
<b>Source</b>	<b>Indicate source of the equipment</b> <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured

Omit the following information for equipment owned by the Bidder.

<b>Owner</b>	<b>Name of owner</b>	
	<b>Address of owner</b>	
	<b>Telephone</b>	<b>Contact name and title</b>
	<b>Fax</b>	<b>Telex</b>
<b>Agreements</b>	<b>Details of rental / lease / manufacture agreements specific to the project</b>	