



General Bid Bulletin No. 12
11 June 2021

RESPONSES TO CLARIFICATIONS

IFB No. 21-058-5; South Commuter Railway Project for Package Number CP S-03b; Civil Engineering, Tunnel and Building Works for Approximately 6.1km Railway with 4.7km of Underground Railway and 1.4km of At-Grade Railway, Including FTI Station and Tunnelling Works to Connect to MMSP Senate Station

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 duly approved by the End-user and Co-Implementer for details:

1. Annex "A" – CP03B Responses to Clarification Requests (Batch 3)

For the information and guidance.

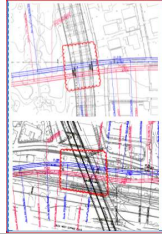

For the Bids and Awards Committee V,


SIGNATURE REDACTED

JULIUS M. SANTOS

Chairperson

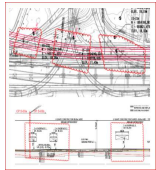
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CP S03B Responses to Clarification Requests (Batch 3)

No.	Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response																																																																	
1	CP S03B	Vol. 2	Section 6 II Drawings	DWG NSRP GEO-0001-0008	Geotechnical Plan and Profile (21k700m - 27k100m)		NSRP (SC) Geo-Tech Data was provided without Geo-Tech Data for MMSP Bored Tunnel(3640m). Based on DWG NSRP-GEO-0001-0008, approx. 40 numbers of boreholes were investigated and tested. Please provide Geo-Tech Data & geotechnical report of those boreholes for MMSP Bored Tunnel(3640m) including boring log, core box photo, and in-situ & laboratory test results.	Geotech Report CP 03-b is included as Site Data in Bid Addendum 1																																																																	
2	CP S03B	Vol. 2	Section 6 II Drawings	DWG NSRP AL-CE-0003, 0005	General Alignment Sheet 3/10, 5/10		MMSP bored tunnel is crossing under viaducts of Sales Road and C5 Extension Road. Alignment of bored tunnel is expected to run between bored piles of viaducts. As-built drawings of bored piles are required to plan construction work. Please provide As-built drawings of pile foundation of viaducts in these undercrossing sections.	Drawings from C6, C5, Skyway will be provided as Site Data in Bid Addenda 2																																																																	
3	CP S03B	Vol. 2	Section 6 II Drawings	DWG NSRP AL-CE-0001- 0006	General Alignment Sheet 1/10- 6/10		MMSP bored tunnel is advancing under or in vicinity of lots of buildings. As-built drawings of foundation of those buildings are required to check the impact to building. Please provide As-built drawings of foundation of buildings above or in vicinity of the alignment of bored tunnel.	<i>All the structures are low rise i.e 2-4 story buildings, without basement. There are no As-Built drawings available.</i>																																																																	
4	CP S03B	Vol. 2	Section 6 III Supplementary Information Regarding Works to be Procured		Supplementary Information Regarding Works to be Procured	<table border="1"> <thead> <tr> <th>Package</th> <th>Due Date for</th> <th>Due Date for</th> <th>Due Date for</th> <th>Status</th> </tr> <tr> <th>Issuing</th> <th>Land</th> <th>Procure</th> <th>Procure</th> <th></th> </tr> <tr> <th>proposals</th> <th>Clear</th> <th>and</th> <th>Clear</th> <th></th> </tr> <tr> <th></th> <th>Land</th> <th>Land</th> <th>Land</th> <th></th> </tr> </thead> <tbody> <tr> <td>CP S-01</td> <td>31 Aug 2020</td> <td>31 Aug 2020</td> <td>30 April 2021</td> <td>Completion phase</td> </tr> <tr> <td>CP S-02</td> <td>31 Aug 2021</td> <td>31 Aug 2021</td> <td>31 Mar 2022</td> <td>Completion phase</td> </tr> <tr> <td>CP S-03a</td> <td>31 Aug 2021</td> <td>31 Aug 2021</td> <td>31 Mar 2022</td> <td>Completion phase</td> </tr> <tr> <td>CP S-03b</td> <td>31 Oct 2021</td> <td>31 Oct 2021</td> <td>30 Apr 2022</td> <td>Completion phase</td> </tr> <tr> <td>CP S-03c</td> <td>31 Oct 2021</td> <td>31 Oct 2021</td> <td>30 Apr 2022</td> <td>Completion phase</td> </tr> <tr> <td>CP S-04</td> <td>31 Oct 2020</td> <td>31 Oct 2020</td> <td>30 Jun 2021</td> <td>Completion phase</td> </tr> <tr> <td>CP S-05</td> <td>31 Oct 2020</td> <td>31 Oct 2020</td> <td>30 Jun 2021</td> <td>Completion phase</td> </tr> <tr> <td>CP S-06</td> <td>31 Oct 2020</td> <td>31 Oct 2020</td> <td>30 Jun 2021</td> <td>Completion phase</td> </tr> <tr> <td>CP S-07</td> <td>31 Oct 2020</td> <td>31 Oct 2020</td> <td>30 Jun 2021</td> <td>Completion phase</td> </tr> </tbody> </table>	Package	Due Date for	Due Date for	Due Date for	Status	Issuing	Land	Procure	Procure		proposals	Clear	and	Clear			Land	Land	Land		CP S-01	31 Aug 2020	31 Aug 2020	30 April 2021	Completion phase	CP S-02	31 Aug 2021	31 Aug 2021	31 Mar 2022	Completion phase	CP S-03a	31 Aug 2021	31 Aug 2021	31 Mar 2022	Completion phase	CP S-03b	31 Oct 2021	31 Oct 2021	30 Apr 2022	Completion phase	CP S-03c	31 Oct 2021	31 Oct 2021	30 Apr 2022	Completion phase	CP S-04	31 Oct 2020	31 Oct 2020	30 Jun 2021	Completion phase	CP S-05	31 Oct 2020	31 Oct 2020	30 Jun 2021	Completion phase	CP S-06	31 Oct 2020	31 Oct 2020	30 Jun 2021	Completion phase	CP S-07	31 Oct 2020	31 Oct 2020	30 Jun 2021	Completion phase	In relation to the above query, please provide updates for all the schedules in the referred document "Supplementary Information Regarding Works to be Procured" if available.	<p><i>Reference is made to the Project Implementation Schedule which is included in the Site Data as per Bid Addendum 2</i></p> <p><i>All information provided as Supplementary Information is for information only, the Project Implementation Schedule is also for information only.</i></p>
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5	CP S03B	Vol. 2	Section 6 IA Scope of Works		<p>2.6.2 Station Mechanical System</p> <p>The CP S-03b Scope includes ... Tunnel Ventilation System ... Hydrant and Hose Reel for Station and Tunnel</p> <p>2.6.3 Station Plumbing System</p> <p>The CP S-03b Scope includes ... Tunnel Drainage System</p>	As per the Bidder's understanding, the referred 3 items fall outside the E&M Contractor's scope and the Contractor shall construct the referred systems in the proposed tunnels under his own design. Please confirm.	The referred 3 items are included in Design Build scope in Contractor in accordance with Outline Design Specification and Scope of Works.																																																																		
6	CP S03B	Vol. 2	Section 6 IA Scope of Works		<p>2.6.2 Station Mechanical System</p> <p>2.6.3 Station Plumbing System</p>	If the answer to the above is affirmative please provide detailed requirements for each system.	Reference is made to the Outline Design Specifications and subsequent specifications for the Design and Build scope.																																																																		

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7	CP S03B	Volume 1 - 03B / 1.2 CP S-03b Vol 1	Sec 4 20210407.pdf	BF36 / BF37	4. & 5.	All Drawings need to be provided as hardcopy on A3 format, PDF copy and original CAD and BIM File Format	<p>Could you please clarify if the submission in BIM file format applies to the bidding stage? Given the fact that the Bidders do not have the BIM files for the rest of the works not included in the Design packages and the tight deadlines proposed for this package, it doesn't seem reasonable to request for BIM file formats at this stage.</p> <p>If confirmed included in this stage, could you please clarify the LD required for those BIM files for the bid submission?</p>	The requirements on the BIM file submission has been removed together with some other submission requirements. Please refer the detail in Bid Addendum 2.
8	CP S03B	Vol 2 - Drawings and Specifications		N/A	N/A	N/A	<p>We understand that the partial CAD Drawings was issued in the Bid Bulletin No. 6 posted last May 11 2021. With this, we would like to request to provide ALL the CAD Files, not to mention, sections for the underground station that has not been provided.</p>	This has been rectified and all CAD files have been available to download via the link as provided in GBB6
9	CP S03B	Vol 2 - Drawings and Specifications		N/A	N/A	N/A	<p>Please confirm if it is possible to make revisions to the building envelope (i.e. footprint, stories, etc.)</p>	The Structural Works are part of a "Build only" scope and cannot be amended
10	CP S03B	Vol 2 - Drawings and Specifications		N/A	N/A	N/A	<p>Does the Engineer and/or Employer have a preference on passenger simulation model software? (i.e. Legion, Pathfinder, etc.)</p>	No, the Employer does not have a preference as long the passenger simulation model software is commonly used and accepted for metro stations, subject to approval of the Engineer.
11	CP S03B	Vol 2 - Drawings and Specifications		N/A	N/A	N/A	<p>Please confirm if the Design-Build scope includes the design of the Extra Low Voltage Systems components (i.e. CCTV, telephones, clock systems, etc.)</p>	<p>CCTV, telephones and clock system is the scope of MMSP CP106.</p> <p>However, it is to be noted that the Entire Telephone system shall be under a separate Telephone service provider scope. The provision such as piping, cable tray and other relevant work for telephone system shall be provided by the work in accordance with interface and coordination provisions.</p> <p>For other components, please refer to SOW and GS Appendix 4.</p> <p>For the costs for supply and installation of components that are part of other packages, as per GS Appendix 4, a Provisional Sum will be included in the BOQ. This will be provided in a future Bid Addendum.</p>

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12	CP S03B		Section 6 - UTS 2000 – 2100 - Underground Technical Specifications	Pg. 159	2100.3.3 Requirements for TBM(s)	<p>The Contractor shall propose new machines that are designed and manufactured with considering the following items:</p> <p>(a) The all component parts of TBM, including jacks, motors, main cutter head drive bearing and its power units, control panels, power indicators including related electric and hydraulic equipment, shall be new;</p> <p>(b) Cutter motors, with gear reducers, seals for soil, and thrust jacks shall be provided by a Japanese supplier;</p> <p>(c) TBM main body, Cutter Head, Drive Unit of Cutter, Erector and structure of Screw Conveyor shall be processed and assembled in Japan; South Commuter Railway Project CP S-03b – Civil Engineering, Tunnel and Building Works Section 6 UTS 2000 – 2100 - Underground Technical Specifications 159</p> <p>(d) The factory assembly inspection of TBM shall be carried out in Japan and certification of the origin shall be provided to the Engineer;</p>	Please clarify the requirement for the Contractor in proposing new machines that are designed and manufactured by a Japanese Supplier. If the requirement for the TBMs will not limit only to a Japanese supplier, please provide details in the eligible countries for the TBM supplier.	Yes, it is possible to propose/procure the TBM from other countries. The Specification will be amended in Bid Addendum 2. Reference is made to Article 5 Eligible Materials, Equipment, and Services as per Volume 1 Section 1.
13	CP S03B	Vol. 2	Section 6 II Drawings	NSRP-GEO-0006, NSRP-DWG-ATG-ST-4100	Geotechnical Plan and Profile, VIA03b At Grade General Arrangement KM.18+100 to 18+450 Sheet 1	<p>According to NSRP-GEO-0006 and NSRP-DWG-ATG-ST-4100, C-6 overpass 1,2,3 are crossing above bored tunnel. If C-6 overpasses are constructed before bored tunnel construction, the excavation of bored tunnel might impact on the stability of C-6 overpasses due to differential settlement. Please clarify the construction sequence between C-6 overpasses and bored tunnel of CP S-03b. Additionally, please provide detailed drawings for piers and foundations of C-6 overpass if those are constructed before the construction of bored tunnel</p> 	<p>Based on the current information received from TRB (C6), the construction of C6 will be ahead of MMSP.</p> <p>The respective drawings are provided in Bid Addendum 2 Site Data</p>	
14	CP S03B	Vol. 2	Section 6	TS400-18	401.2.6 Test Piles	The Load test shall be conducted for not less than 1.5 x Design Service Limit State Load, to 1.0 x Seismic Limit State Load, or shown on the Drawing, as directed by the Engineer	Please Clarify the value of Design Service Limit State Load and Seismic Limit State Load.	The Load Test will only be conducted on the WSP building. Please refer to NSRP-DWG-FTI-ST-4621 rev 21.2 - which will be provided with Bid Addendum 2..
15	CP S03B	Vol. 2	Section 6	TS400-18	401.2.6.2 Static Load Tests	When Specified, tension static load tests shall be conducted in accordance with ASTM D3689. When Specified, lateral load tests shall be conducted in accordance with ASTM D3966	Please Clarify the quantity of tension static load tests and lateral load tests.	There shall be no tension static load test and no lateral load test.
16	CP S03B	Vol. 2	Sec.6	GS 103	131.9 Digging and Excavating	When any digging or excavating is to take place adjacent to the PNR safety zones, consideration shall be given to ensure the stability of the ground and the existing railway in the PNR safety zones.	<p>It is mentioned that the Contractor shall give consideration to ensure the stability of the existing PNR when excavating take place adjacent to the PNR safety zone.</p> <p>The temporary excavation work for pile cap shall be carried out adjacent to existing PNR. In order to ensure the stability of the existing PNR, the Bidder kindly request requirements or specifications for PNR safety, such as differential settlement etc..</p>	<p>There is no particular specification for PNR track stability. Bidders are advised to refer to any prevailing international standards for allowable settlement/movement of standard ballast track. The Contractor shall be required to prepare necessary precaution in order to avoid any damages caused to PNR track in accordance with the requirement in GS 131.</p> <p>If any damage will be caused by the Contractor, then the Contractor shall be required to reinstate to the original condition and to get inspection by PNR prior to commencement of operation by PNR.</p>

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17	CP S03B	Volume 1	Section 3 - Evaluation and Qualification Criteria	61 of pdf document	2.4.1 Contracts of Similar Size and Nature	<p>Participation as a contractor, JV partner, or subcontractor, in at least one contract that has been successfully 1 or substantially 2 completed within the last ten (10) years immediately prior to the bid submission date and that is similar to the proposed works, where the value of the Bidder's participation in each of the following works exceeds US Dollars Three Hundred Ninety Million (390,000,000).</p> <p>The similar 3 work shall mean the project including the following works:</p> <ol style="list-style-type: none"> 1. Tunnel works 2. Underground Railway Station works 3. At Grade Railway Station works 	<p>We request you to review the qualification requirements. The scope of work is 4.75 kms of tunnel and two stations. Similar project would be executed a much lower cost in countries such as India. The intent here is to evaluate the contractor's experience in managing project of similar scale. This can also be evaluated without attaching financial value of scope of work. With this context we request relaxation and minor amendment of criteria as below</p> <p>Participation as a contractor, JV partner, or subcontractor, in at least one up to three contracts that has been successfully 1 or substantially 2 completed within the last ten (10) years immediately prior to the bid submission date and that is similar to the proposed works, where the cumulative value of the Bidder's participation in each of the following works exceeds US Dollars Three Hundred Ninety Million (390,000,000).</p> <p>The similar 3 work shall mean the project including the following works:</p> <ol style="list-style-type: none"> 1. Tunnel works 2. Underground Railway Station works 3. At Grade Railway/Cut and Cover Under ground Station works 	<p>Bidder is advised that EQC 2.4.1 shall be revised in Bid Addendum 2 as follows:</p> <p>The similar work shall mean the project including the following works:</p> <ol style="list-style-type: none"> 1. Tunnel works 2. Underground Railway Station works 3. At Grade Railway Station works <p>1. Construction of Underground Structure (rail, road or other purpose) of continuous nature</p> <p>The other criteria under 2.4.1 remains the same.</p>
18	CP S03B	Volume 1	Section 3 - Evaluation and Qualification Criteria	61 of pdf document	2.4.1 Contracts of Similar Size and Nature	<p>Notes:</p> <p>(1) Successful completion shall mean the work under the subject contract has been completed and handed-over and a Taking-Over or Performance Certificate has been obtained from the Client. A copy of such certificate or other similar evidence shall be attached to Form EXP-1.</p> <p>(2) The substantial completion shall be certified by the Engineer or the Client. The Applicant shall obtain a substantial completion certificate from the Engineer or the Client and attached to Form EXP-1.</p> <p>(3) The similarity of the contract(s) in which Applicant participated shall be based on the physical size, nature of works, complexity, methods, technology or other characteristics of the contract as compared with those Works described in Section 6, Scope of Works of this Bidding Document.</p>	<p>Notes</p> <p>(1) Successful completion shall mean the work under the subject contract has been completed and handed-over and a Taking-Over or Performance Certificate has been obtained from the Client. A copy of such certificate or other similar evidence shall be attached to Form EXP-1.</p> <p>(2) The substantial completion shall be certified by the Engineer or the Client. The Applicant shall obtain a substantial completion certificate from the Engineer or the Client and attached to Form EXP-1.</p> <p>(3) The similarity of the contract(s) in which Applicant participated shall be based on the physical size, nature of works, complexity, methods of tunnel construction by TBM/NATM or Drill and Blast technology other characteristics of the contract as compared with those Works described in Section 6, Scope of Works of this Bidding Document</p>	<p><i>The requested amendment is declined.</i></p>
19	CP S03B	Volume 1	Section 3 - Evaluation and Qualification Criteria	62 of pdf document	2.4.2 Construction Experience in Key Activities	<p>4. At-Grade Railway Station</p> <p>At least one project including an At-Grade railway station.</p>	<p>4. At-Grade/Elevated Railway Station</p> <p>At least one project including an At-Grade/Elevated railway station.</p>	<p>It is accepted. Please refer to revised EQC 2.4.2 in Addendum No. 2</p> <p>Bidder is advised that EQC 2.4.2 will be revised in Bid Addendum No. 2 to reflect:</p> <p>-Criteria 4: At-Grade/Elevated Railway Station At least one project including an At-Grade/Elevated railway station.</p>