



General Bid Bulletin No. 23
May 7, 2021

IFB NO. 20-031-6

SOUTH COMMUTER RAILWAY PROJECT
FOR PACKAGES CP S-04, CP S-05, AND CP S-07
CONSTRUCTION OF CIVIL STRUCTURES: VIADUCTS, BRIDGES,
NINE (9) STATIONS AND DEPOT

TO ALL PROSPECTIVE BIDDERS:

This General Bid Bulletin is issued to amend/clarify certain provisions in the Bidding Documents for the abovementioned project. Please refer to the attached **Annex A** of this General Bid Bulletin duly approved by the End-user and Co-Implementer for details:

1. **Annex "A"** – CP S-04 to 07 Responses to Clarifications Requests (Batch 14)

For your information and guidance.

For the Bids and Awards Committee VI,

(SGD)
WEBSTER M. LAUREÑANA
Chairperson

CP S04-07 Responses to Clarification Requests (Batch 14)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	14	2. BIM Model Structure	NSCR-EX BIM Model Structure will be based on the following sub geo structure: a. Depot As-Built Model Structure b. Outlying As-Built Model Structure c. Elevated Station As-Built Model Structure d. Underground Station As Built Model Structure e. Liner Structure-Viaduct As-Built Mode Structure f. Linear Structure-Tunnel As-Built Model Structure g. Linear Structure-Cut and Cover As-Built Model Structure	Please confirm that only subsections 2.4, 2.5, and 2.8 are applicable to S-04	<i>Confirmed only sub-sections 2.4, 2.5, and 2.8 are applicable to S-04 will be developed by the Bidder/Contractor, however sub-section 2.3 will also be developed since there are outlying buildings within the vicinity of the elevated stations.</i>
S-04		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	14	2. BIM Model Structure	NSCR-EX BIM Model Structure will be based on the following sub geo structure: a. Depot As-Built Model Structure b. Outlying As-Built Model Structure c. Elevated Station As-Built Model Structure d. Underground Station As Built Model Structure e. Liner Structure-Viaduct As-Built Mode Structure f. Linear Structure-Tunnel As-Built Model Structure g. Linear Structure-Cut and Cover As-Built Model Structure	Please confirm that all elements required to be part of the As Built model are included in the Engineer's model to be submitted to the contractor at LOD300 including specification sheets. Any element that has to be modeled that is not in the Engineer's LOD300 Model will incur additional cost.	<i>Bidder is advised that LOD 300 models will be produced by the Engineer/Employer as per approved IFC drawings, however during the development as-builts models any missing element will be developed by the Bidder/Contractor to produce the LOD 500 as-built model without any additional cost.</i>
S-04		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	14	2. BIM Model Structure		Please confirm if a topographical map will be provided by the Consultant and if the Contractor is required to update.	<i>Refer to note 5.1 at sheet NSRP-DWG-VIA04-RD-2002 REV 21. "CONTRACTOR TO UNDERTAKE DETAILED TOPOGRAPHIC SURVEY TO CONFIRM GROUND HEIGHTS ACROSS THE RIGHT OF WAY AT 20m LONGITUDINAL INTERVAL."</i>
S-04		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	56	7.7.3.1 COBie Requirements - Design Stage	RAIL SYSTEM COBie data sheets will only be extracted at As-Built stage for Rail Systems	Please confirm if other equipment assets will need to be extracted from model for COBie aside from Rail System	<i>Confirmed other equipment assets will need to be extracted from model for COBie aside from Rail System as long as it will be fully coordinated with the CMMS document being produced for the purpose.</i>

CP S04-07 Responses to Clarification Requests (Batch 14)

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S-04		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	57	7.7.3.1 and 7.7.3.2 COBie Requirements - Design Stage and As Built Stage Worksheet Table	Worksheet Table item - Coordinate Required Content - GIS Coordinates will be populated using GIS Applications in As-Built Stage Specific Requirements - Refer to BIM GIS Strategy	Please confirm if a GIS Team is required from the Contractor for this package and which applications are required. Arcadis will propose applications and workflows if no process is currently in place	<i>GIS Strategy is currently handled by Engineer/Employer and is using ArcGIS Pro. Contractor is advise to handle their own GIS matters and cooperate with Engineer when necessary provided that software interoperability is satisfied.</i>
S-04		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	52	7. COBie Standards	As shown in table 1, MMS attributes will follow BIM MMS ICD document ref (To be developed) and Asset Information BIM Model document ref (To be developed)	Element Code should be part of the COBie information requirements	<i>Confirmed. Element Code or ID is part of the COBie information requirements.</i>
S-04		Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	52	7. COBie Standards		Is there a defined process to import models from Civil3D to COBie? What information and data is needed	<i>Bidders to check with COB i.e. software provider on the requirements and process to import/export to different software outputs.</i>
S-04	#REF!	Volume 2 - Section 6 Appendix 15 BIM Information Management Flow	73	11.8.3 BIM Organization Chart	Table showing the Project's BIM Organization, on CDE Manager	Please confirm if a CDE Manager is required from the Contractor for this package. Please also confirm that the CDE and EDMS (Aconex, ConnectedBIM, and ProjectWise) has already been procured and is being administered by the Employer; and that the Contractor's scope is limited to uploading information and files to the CDE and EDMS	<i>CDE Manager is not required from the Bidder, however the Bidder should appoint a qualified person to administer and upload in the Employer provided CDE/EDMS (Aconex) all deliverables (models, drawings, documents, etc.)</i>
S-04		Vol.2 PART II - Requirements Section 6 - Employer's Requirement IC- S TS 200	T/S No. 206.7.8.1	Maximum temperature and temperature difference		It is nearly possible to meet Temperature requirement for Mass Concrete considering nature of Philippines. Please advise if this requirement can be alleviated	<i>Bidder is advised that the Contractor shall follow TS 206.7.8 "Mass concrete"</i>

CP S04-07 Responses to Clarification Requests (Batch 14)

Packages	Vol	Sec	Page No.	Clause No./Title	Reference Text (if necessary)	Clarification Request	Final Response
S-04		Vol.1 Sec. 4 Bidding Forms	BF22	Equipment		<p>With respected to the referred section, Tenderer is required to provide evidence that the key Equipment so listed or will be available for the Bidder's use on the Project.</p> <p>In this regard, please clarify kind of valid evidence for this requirement.</p> <ul style="list-style-type: none"> - Quotation - Letter of Intention for Provision - Cetificate of Provision - or specify it 	<p><i>Quotation cannot be accepted as a valid evidence.</i></p> <p><i>Being subject to Employer's discretion, such evidence could be acceptable provided that the document demonstrated that the required equipment will be available according to the Schedule as submitted by the Bidder.</i></p>
S-04		Vol.2 Sec. 6 IV Equipment	12	Equipment Requirement for S-06		<p>With respected to the referred section, There is a colume to specify Element or Part of the Works of each item.</p> <p>Is this section for describing work detail of each item Such as Earthwork, Superstructure work, Substructure work, Piling work, General work, Material handling or etc.. ? Please let us know this understanding is corrcet or not.</p>	<p><i>Yes, the bidder's understanding is correct.</i></p>
S-04		Vol.1A Sec.4A BOQ Item No. 103(4), and 206(10)a	-	Crushed Gravel Fill / Crushed Stone Layer		<p>According to Contract rquirement, it seems that there is no specific requirement for Gravel Fill, please clarify if Contractor can use normal embankment materials or please advise if any applicable requirement</p>	<p><i>The bidder is advised to adhere to the drawings and BOQ requirements of the bidding documents and to refer to the applicable provisions of the Technical Specifications TS 100, Section 103 [for Item 103(4)] and to TS 200, Section 206 [for Item 206(10)a].</i></p>
S-04		Vol. 1 Section 4A BOQ		Stations	T/S No.406 & Item No 405(16)a Blinding concrete(Lean concrete), 15MPa including T=150mm Compaction of sand base	<p>Please clarify the difference between BOQ and DWG about blinding concrete(lean concrete) item.</p> <ul style="list-style-type: none"> i) BOQ : lean con'c+ sand base(T=150mm) ii) DWG(NSRP-DWG-ALA-ST-4303) : lean con'c(T=100mm)+hard core(T=200mm) 	<p><i>The BOQ was revised for the appropriate work description of Item 405(16)a. Updated BOQ is issued as Addendum 4.</i></p>
S-05		Vol.2 PART II - Requirements Section 6 - Employer's Requirement IC- S TS 200	T/S No. 206.7.8.1	Maximum temperature and temperature difference		<p>It is nearly possible to meet Temperature requirement for Mass Concrete considering nature of Philippines. Please advise if this requirement can be alleviated</p>	<p><i>Bidder is advised that the Contractor shall follow TS 206.7.8 "Mass concrete"</i></p>
S-05		Vol.2 Sec. 6 IV Equipment	12	Equipment Requirement for S-06		<p>With respected to the referred section, There is a colume to specify Element or Part of the Works of each item.</p> <p>Is this section for describing work detail of each item Such as Earthwork, Superstructure work, Substructure work, Piling work, General work, Material handling or etc.. ? Please let us know this understanding is corrcet or not.</p>	<p><i>Yes, the bidder's understanding is correct.</i></p>

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S-05		Vol.1 Sec.4A		Bill No.8 Schedule of Provisional Sum	PS-6 Oil Lines	<p>According to the Bid Addendum No.1 and No.2, the item of "PS-6 Oil Lines" has been removed.</p> <p>Please confirm that the referred work regarding Oil Lines is not included in the Contractor's Scope of Works.</p>	<p><i>Please refer to the Updated BOQ, Bill No. 8, PS 13 - Oil Lines. The Updated BOQ shall be issued as Addendum 3.</i></p>
S-05		Vol.1A Sec.4A BOQ Item No. 103(4), and 206(10)a	-	Crushed Gravel Fill / Crushed Stone Layer		<p>According to Contract rquirement, it seems that there is no specific requirement for Gravel Fill, please clarify if Contractor can use normal embankment materials or please advise if any applicable requirement</p>	<p><i>The bidder is advised to adhere to the drawings and BOQ requirements of the bidding documents and to refer to the applicable provisions of the Technical Specifications TS 100, Section 103 [for Item 103(4)] and to TS 200, Section 206 [for Item 206(10)a].</i></p>
S-05		Vol. 1 Section 4A BOQ		Stations	T/S No.406 & Item No 405(16)a Blinding concrete(Lean concrete), 15MPa including T=150mm Compaction of sand base	<p>Please clarify the difference between BOQ and DWG about blinding concrete(lean concrete) item.</p> <ul style="list-style-type: none"> i) BOQ : lean con'c+ sand base(T=150mm) ii) DWG(NSRP-DWG-ALA-ST-4303) : lean con'c(T=100mm)+hard core(T=200mm) 	<p><i>The BOQ was revised for the appropriate work description of Item 405(16)a. Updated BOQ is issued as Addendum 4.</i></p>
S-06		Vol.2 Sec. 6 IV Equipment	12	Equipment Requirement for S-06		<p>With respected to the referred section, There is a colume to specify Element or Part of the Works of each item.</p> <p>Is this section for describing work detail of each item Such as Earthwork, Superstructure work, Substructure work, Piling work, General work, Material handling or etc..? Please let us know this understanding is correct or not.</p>	<p><i>Yes, the bidder's understanding is correct.</i></p>
S-06		Vol.1 Sec. 4 Bidding Forms	BF22	Equipment		<p>With respected to the referred section, Tenderer is required to provide evidence that the key Equipment so listed or will be available for the Bidder's use on the Project.</p> <p>In this regard, please clarify kind of valid evidence for this requirement.</p> <ul style="list-style-type: none"> - Quotation - Letter of Intention for Provision - Cetificate of Provision - or specify it 	<p><i>Quotation cannot be accepted as a valid evidence.</i></p> <p><i>Being subject to Employer's discretion, such evidence could be acceptable provided that the document demonstrated that the required equipment will be available according to the Schedule as submitted by the Bidder.</i></p>

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S-06		Vol. 1 Section 4A BOQ		Stations	T/S No.406 & Item No 405(16)a Blinding concrete(Lean concrete), 15MPa including T=150mm Compaction of sand base	Please clarify the difference between BOQ and DWG about blinding concrete(lean concrete) item. i) BOQ : lean con'c+ sand base(T=150mm) ii) DWG(NSRP-DWG-ALA-ST-4303) : lean con'c(T=100mm)+hard core(T=200mm)	<i>The BOQ was revised for the appropriate work description of Item 405(16)a. Updated BOQ is issued as Addendum 4.</i>