General Bid Bulletin No. 8
23 June 2022

OCB No. 22-003-5

Design and Build Contract for the Davao High Priority Bus System (HPBS) Project - Contract No. 04 Sasa Depot and Sto. Nino Depot

TO ALL PROSPECTIVE BIDDERS:

This General Bid Bulletin is issued to amend or clarify certain provisions in the Bidding Documents for the above-mentioned project. Please refer to the details below duly approved by the End-user and Co-Implementer:

1. **Annex "A"**- Davao High Priority Bus System (HPBS) Contract Package (CP) 04 - Civil Works Responses to Requests for Clarification (RfC) Batch 5.

For your information and guidance.

For the Bids and Awards Committee V,

SIGNATURE REDACTED
JULIUS M. SANTOS
Chairperson

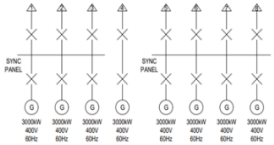
For the purpose of this Bulletin and for better understanding of its contents, the following rules shall apply: (a) Double Strike out – denotes deletion; (b) Underline – denotes inclusion or new item/requirement; and "xxx" – denotes separation of phrase/s being amended from the rest of the main text.

ANNEX "A"

Davao High Priority Bus System (HPBS)
Contract Package (CP) 04 - Civil Works
Responses to Requests for Clarification (RfC) Batch 5

Item No.	Volume and Section No.	Page No.	Clause Number and Title	Reference Text (if necessary)	Clarification Request	Final Response
14	Volume 2, Section 6 Reference Drawings - Civil	IPIF3_HPBS_RD_SAS_D_C10_201A (1)			In the said drainage lay - out for Sasa Depot, it was indicated that the final discharge point will be on the existing highway and the DPWH Diversion road (ongoing construction). May we know if there's a design reference for the interfacing or the connection of the drainage of the depot and the drainage in the National Highway?	For Panacan Bypass Road bordering western end of Sasa Depot, drawings received during reference design are as attached in **Attachment A.** The attachment is for bidder's reference only and it is the bidder's responsibility to validate the accuracy of the information. Bidder's attention is drawn to the General Specification GS 113 and GS 127. The winning contractor is responsible to coordinate with and obtain necessary approval on the detailed design of the proposed discharge points and interfacing works from relevant authorities such as DPWH and LGU.
18	Volume 1 Part I SEC 1 ITB	ITB - 13	Bid Prices and Discounts	14.7 All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date 28 days prior to the deadline for submission of bids, shall be included in the rates and prices and the	It has been mentioned during prebid that the Loan Agreement still hasn't been finalized. May we inquire if there will be tax exemptions such as exemption on Importation Tax for this Project.	All importation duties, fees, and taxes incurred within the Purchaser's country shall be paid for by the Purchaser. However, the Contractor must submit, as well as assist and facilitate the submission, in advance and on a monthly basis, a list of items to be imported monthly, after which the DOTr will issue a Certificate of Undertaking to the Bureau of Customs.

				total Bid Price submitted by the Bidder.		
29	Volume2 - Spec	DS-C04	12.1	8) Photo Voltaic (PV) System design with battery and connected to power grid.	According to the tender requirements, the PV system needs to be configured with energy storage, please clarify how much the energy storage facilities are configured according to the percentage of the installed PV capacity?	The bidder attention is drawn to Section 6 Part 1C Design Specification Section 13.2.1.2. The contractor shall design the PV system as well as the storage capacity based on the power consumption of facilities, power generation of PV panels and the surplus electricity from PV system to MAXIMIZE the provision of renewable energy to compensate the daily energy consumption of each building and facilities. The contractor's design shall fulfill the Employer's Requirement and submit to the Engineer for review and approval prior to the work.
30	Volume2 - Spec	DS-C04	12.2.1	Each site shall be provided by 100% Generator Backup able to run for 24 hrs in Depot.	According to the tender requirements, each site should be equipped with 100% standby generators. The original proposal drawings show that each 3000kVA transformer is equipped with 3000kW generator, is it wrong and should it be changed to 3000kVA (i.e. 2400kW) generator?	In general practice, the design of a generator is to utilize up to 80% of the capacity to prolong the service life of the generator, subject to the manufacturer recommendation. The bidder shall design the depot power supply to be provided by 100% generator backup and able to run for 24 hrs. Please note that the schematic diagram reference drawing in the bidding document is for bidder's reference only. The bidder is required to produce the design based on the Employer's Requirement in the bid document.

31	Volume2-03 Reference Drawings-MEP F-Electrical	IPIF3_HPBS_RD_GEN_O_E00_016A (1)			The original design of generators in the emergency generator room are 400V 60Hz low-voltage generator set, and requires parallel synchronous operation, because the generator capacity is large, the current is too large after parallel, no corresponding bus specifications, can not achieve parallel operation, whether the generator can be changed to high-voltage 13.8kV generator set, using the high-voltage side of the parallel operation mode.	Please note that the schematic diagram reference drawing in the bidding document is for bidder's reference only. The bidder is required to produce the design based on the Employer's Requirement for bid submission purposes. For bidder's consideration, subject to the bidder's own design, the bidder can consider to increase the number of sync panels and divide the generators to 3 or more panels to reduce the current.
32	Part II–Requirements Section 6 Part I-D	TS500 – 311 andTS 500 – 320	540 - GypsumBoard& 541-Fiber Cement Board	Cladding	"It is observed that the Bidder referred to several materials as options in the bid proposal for the external cladding of buildings in depots and terminals. The Bidder is to be reminded that fiber cement board cladding is the required external finish for the maintenance building, administration building and terminal building as stated in mandatory drawings. The Bidder is reminded that the use of alternative materials would need approval by the Engineer".Is there any specific or mandatory material requirements of the external finish for the buildings in depots and terminals?	The Bidder's attention is drawn to Section 6 Part 1C Design Specification Section 3.4.7 and architectural Mandatory Drawing in the bidding document. Please refer to the mentioned documents for the required external finish fiber cement board cladding.
33	Part II–Requirements Section 6 Part I-D	IPIF3/HPBS/RD/GEN/O/E00	11.1.6.5 - HV Switchgear, Substatio	LV Schematic Diagram -Sto Nino E-Bus Depot	On the LV Schematic Diagram, it is shown that 4 –3000KWgenerators in each set of Sync Panel. Based on our past and current experiences, there is high risk of overloading to combined individual generator in	Please note that the schematic diagram reference drawing in the bidding document is for bidder's reference only. The bidder is required to produce the design based on the Employer's Requirement for bid submission purposes. For bidder's

		/016A	n, Low Voltage Switchboards		sync panel or it is dangerous for the electricity from low voltage to high voltage. We proposed to use one 4-3000kw 13.8kV 60HZ generator to connectSync Panelto 13.8KV/400V transformer. The risk will become lessen and also the power lost will be minimal.	consideration, subject to the bidder's own design, the bidder can consider to increase the number of sync panels and divide the generators to 3 or more panels to reduce the current.
34	Vol. 2, 03 Reference Drawings				We would like to request additional Site Section for Sto Nino Depot as guide to complete our Earthworks calculations.	No additional site section will be provided. The reference drawings in the bidding document are for bidder's reference only. Bidders are required to produce their own design based on the Employer's Requirement and the Site Data provided in the bidding document, and produce earthwork calculation based on the design.
35	Vol. 2, 03 Reference Drawings				For the two bridges cited in the Sto Niño Depot – can we request for additional topo data on the river area where the supposed location of the bridges? Also will you provide specifications for what type of bridge and number of lanes applicable with site condition (e,g, Pre stressed Concrete, Steel Bridge or Bailey) ?	No additional topographic data is available from the Employer. Bidder's attention is drawn to Section 6 Part 1C Design Specification for the requirement and specification of bridge design, especially under Section 7.5. The bidder is required to design the bridge according to the specified standard, including but not limited to DGCS Vol 3 and Vol 5.
36	Vol. 2, 03 Reference Drawings				The maintenance buildings as reflected in the Sasa and Sto Nino Depot Site development plans appear to have smaller building footprint when compared to the architectural floor plan details. We would like to confirm the measurements.	The architectural layout plan reference drawings in the bidding document are for bidder's reference only. The bidder is required to produce the design based on the Employer's Requirement.
37	Vol. 2, 03				Depot Layout – Are we allowed to	Yes. The layout plan reference drawings in

	Reference Drawings				redesign the depot (parking) layout for our bid? All buildings , landscape, site entrances and exits locations to remain the same.	the bidding document are for bidder's reference only. The bidder is required to produce the design based on the Employer's Requirement.
38	Vol. 2, 03 Reference Drawings				Can we request additional criteria , guidelines reference drawing plans for the design of civil enabling works for the installation of Electrical chargers in the depot?	No additional information will be provided for this provisional sum item. The requirement and the specification of the civil enabling works for electric chargers are subjected to the type and specification of the chargers to be supplied by Contract 6 contractor. The information will be provided once the design of electric charger by the selected Contract 6 contractor is approved by the Engineer.
39	Vol. 2, 03 Reference Drawings				Detention Pond – We would like to request for the design depth of the proposed detention pond for both Depot.	No additional information will be provided. The bidder is required to produce the design based on the Employer's Requirement.
40	Volume2 - Spec	DS-C04	Clause 6.3: Ground Investigation	Ground Investigation Site Data	It was observed that a set of ground investigation results has been provided in the Site Data, and under Design Specification Section 6.3.1, it is specified that the contractor shall consider all available investigation records and any relevant published geological information as part of the design. Please confirm that: 1. The above mentioned geotechnical investigation result and published geological information shall be considered in the design and the associated cost and time shall be included in the bidder's submission.	1. Yes. 2. Yes.

					2. The contractor has to carry out the additional ground investigation during the contract as specified under Design Specification Section 6.3.3 and such results from the investigation shall be considered during the detailed design stage for the Engineer's approval.	

Attachment A

ELEMENTS OF CURVE														
PI-No.	PI STATION	NORTHING	EASTING	I	D	R	T	E	Lc	Pc	Pt	e	w	V (kph)
~~PI-1B~~	~~1498+649.455~~	~~790173.673~~	~~572116.363~~	~~15°45'00"~~	~~05°43'46"~~	~~200.000~~	~~27.667~~	~~1.985~~	~~54.985~~	~~1498+621.788~~	~~1498+676.773~~			
~~PI-2B~~	~~1498+805.854~~	~~790260.341~~	~~571985.861~~	~~17°18'54"~~	~~05°43'46"~~	~~200.000~~	~~30.452~~	~~2.365~~	~~60.441~~	~~1498+775.401~~	~~1498+835.842~~			
PI-3B	1499+151.318	790528.816	571767.692	12°46'10"	04°35'01"	250.000	27.975	1.560	55.717	1499+123.343	1499+179.061			

TRAVERSE LINE		
PI-#	AZIMUTH	DISTANCE
T-1B TO PI-1B	139°21'00"	109.455 M.
~~PI-1B TO PI-2B~~	~~123°35'52"~~	~~156.748 M.~~
~~PI-2B TO PI-3B~~	~~140°54'46"~~	~~345.929 M.~~
PI-3B TO PI-4B	128°08'36"	144.046 M.

TRAVERSE LINE (NEW)		
PI No.	DISTANCE	AZIMUTH
T-1N TO PI-1N	109.455	139° 21' 00.000"
PI-1N TO PI-2N	131.552	120° 08' 31.797"
PI-2N TO PI-3N	372.571	140° 54' 46.154"
PI-3N TO PI-4N	144.046	128° 08' 36.094"

ELEMENTS OF CURVE (NEW)														
PI NUMBER	STATION	NORTHING	EASTING	I	D	R	T	E	LC	PC	PT	e	w	V (kph)
PI-1N	1498+649.469	790173.660	572116.350	19°12'20"	5°43'50"	200.000	33.837	2.842	67.039	1498+615.632	1498+682.671			
PI-2N	1498+780.371	790239.631	572002.599	20°46'10"	7°38'20"	150.000	27.490	2.498	54.377	1498+752.880	1498+807.258			
PI-3N	1499+151.318	790528.816	571767.692	12°46'10"	4°35'00"	250.000	27.975	1.560	55.717	1499+123.344	1499+179.061			

STATION COORDINATES			
POINT	STATION	NORTHING	EASTING
T-1B	1498+540.000	790090.529	572187.666

BEG. OF PROJECT
BEG. OF CONCRETING
STA.1498+540.000

END OF CONCRETING
BEG. OF EARTHWORKS
STA.1499+038.979

PLAN
SCALE 1:2000 m.

PROFILE
SCALE 1:2000 m. HOR.
SCALE 1:200 m. VERT.

(RIGHT SIDE)

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