

Republic of the Philippines Department of Budget and Management PROCUREMENT SERVICE BIDS AND AWARDS COMMITTEE



Bid Bulletin No.2 12 March 2019

PUBLIC BIDDING NO. 18-380-10

CONSULTING SERVICES FOR LRT LINE 2 WEST EXTENSION PROJECT FOR THE LIGHT RAIL TRANSIT AUTHORITY (LRTA)

Issued pursuant to Sec. 22.5 of the IRR of R.A. 9184 to clarify and/or amend certain provisions in the Bidding Documents issued for this project, considering the issues raised and clarifications made by prospective bidder/s during the Pre-Bid Conference held on **February 28, 2019.**

A. AMENDMENTS/INCLUSIONS

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REFERENCE	BASIS FOR		
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CHECKLIST OF REQUIREMENTS FOR THE TECHNICAL AND FINANCIAL PROPOSAL page 2	 Amended to be consistent with the Standard Financial Proposal Forms. See revised form. 		
Section III- Bid Data Sheet BDS Clause 18 page 35 The deadline for submission of bids is on_March 14, 2019; 10:00 AM March 28, 2019; 10:00 AM.	 Per End-User's email reply dated March 6, 2019. 		
Section III- Bid Data Sheet BDS Clause 24.2 page 36 Xxx Schedule of the presentation will be on March 26, 2019 at 10:00AM April 8, 2019, 8:00 AM. Xxx	 Adjustment made in view of the rescheduling of the date and time of submission of bids. 		
Section III- Bid Data Sheet BDS Clause 25.1 page 37 Xxx b.) The financial and technical proposals shall be given corresponding—weights—with—the—financial—proposal—given thirty—percent (30%) Fifteen percent (15%). The weight of the technical criteria shall be seventy percent (70%) Eighty five percent (85%). Xxx	Typograpical error		



Section VI- Terms of Reference page 71 to 81	 Reiterating that the Statement of Compliance form shall be part of the submission of the Technical Proposal. See attached revised first page of the form.
Section VII- Bidding Forms TPF 2. Consultant's References page 86 Relevant Services Carried Out in the Last Five Fifteen (15) Years That Best Illustrate Qualifications	Typograpical error. See revised form.

B. CLARIFICATIONS

During	g Pre-bid Conference ¹	
1	Request for extension of the proposal submission date by minimum 21 days, while other bidders request for a 30 days.	See revised schedule of date and time of submission of bids.
2	Request on such additional documents (e.g LRT design criteria and other related documents) be provided soonest as such documents would be valuable input for their proposal.	 All information necessary in the preparation of proposal were provided in the Bid Documents specifically in the Terms of Reference. The LRT2 and LRT2 East Extension Design Criteria is not necessary at this point as these materials will be useful during actual contract implementation. Per End-User's email reply dated March 6, 2019.
3	Section II Clause 25.3 Suggestion to revise the mark allocations for the following: 1. Experience and capability of the firm - 25 points 2. Proposed solution, approach and methodology and work plan - 60 points 3. Same 15 points for qualification of personnel to be assigned in	 The proposed weights as indicated in the Bid Documents shall remain. Per End-User's email reply dated March 6, 2019.

¹ Held last February 28, 2019

4	Section VI, Terms of Reference, Clause 4.6 Clarification on whether the LRTA will be in charge of providing the data relevant to the traffic study and that the delay in providing the data should not be imputable to the consultant.	 The Consultant shall be responsible for data gathering pertaining to traffic study. Per End-User's email reply dated March 6, 2019.
5	Section VI, Terms of Reference, Scope of Work Clarification if Relocation Action Plan is the same as Resettlement Action Plan	 Yes it is the same, preparation should be if necessary. RAP is not only for ISF's, if there will be any, but also includes utilities, vendors etc.
6	Clarification for the Estimator/Quantity Surveyor, the prospective bidder noted that the nominee should be DPWH accredited. Based on our inquiry with the DPWH Procurement - Civil Works Division, they were informed that they do not have/provide such accreditation. They would like to confirm that such accreditation would not be necessary if the Consultant's nominee is a licensed engineer.	 We confirm that if the nominee for the Estimator/Quantity Surveyor is a LICENSED CIVIL ENGINEER, DPWH accreditation will no longer be required. Per End-User's email reply dated March 6, 2019.
7	Clarification for the Public Relations Officer, the prospective bidder noted that Engineering experience is required and at the same time, it is expected that the said individual would have to draw up a Public Relations Plan. Generally, engineers are not PR practitioners. A different set of skills, experience, networking and exposure are required for PR practice. In this regard they would like to request that the requirement for engineering degree and experience be waived for the said position	• The requirement for the Public Relation Officer will be ten (10) years general experience as PRO and three (3) years experience as PRO in similar project. Per End-User's email reply dated March 6, 2019.
8	Clarification if they will allow the change in the experts before the contract signing?	• The End-user responded that as per GCC 39.5, replacement of personnel may be allowed during implementation of the contract, but it will not be allowed during the bidding stage. Per End-User's email reply dated March 6, 2019.

9	Clarification if they will consider the possibility of replacement of Key Personnel with at least same qualification and experience level?	 The imposition of penalty is only if the Consultant fails to comply with the requirements under GCC 39.5 to 39.7, such as not securing prior written approval from the Procuring Entity for the replacement, among others. Per End-User's email reply dated March 6, 2019.
10	 Clarification if should sub-contracting be allowed, the Consultant would like to be clarified on the manner of payment for such services. Normally, the implementing Agency would deduct applicable government taxes from the Consultant's billing for reimbursable expenses. However, the Consultant being the contracting party with the subcontractor, would have to pay the sub-contractor's fees inclusive of taxes as we are not an authorized withholding entity. To avoid such circumstances where the Consultant would, in effect, pay taxes twice, we would like to be apprised of the manner/procedure for payment of subcontractors. 	 Sub-contracting is not allowed. We understand that there are activities/ancilliary works that can be done by a firm or firm specializing in such scope. It is the responsibility of the Consultant to hire them or sub-contract such works. The procuring entity will have no contractual obligation with the said firm as the Contract remains with the "Consultant". The output of the said "sub-contractor" will become the output of the "Consultant" once submitted to the Procuring Entity. Payment made by the Procuring Entity for any such work will be to the Consultant and not to the sub-contractor. Per End-User's email reply dated March 6, 2019.
11	Clarification on for them to provide such as service vehicles, computers and other IT equipment, office furniture and supplies, they would like to be apprised of the number of personnel to be assigned to the PMO so that they could adequately calculate the logistic support required.	 (1) Administrative Services Officer B
12	Clarification on the supporting documents for the CV, for international experts the original copy of the authentication documents was submitted-already-during-Part-1 and this is valid for five (5) years, hence they can only support photocopy of the authentication document. The prospective bidder suggested if the TWG wishes	Copy of the same may be submitted with mention that the original is attached to the Part 1 submission. Per End-User's email reply dated March 6, 2019.

	to see the original copy of same, they can revisit or refer to the submitted during Part 1.	
EMAI	L LETTER FROM EGIS ²	
1	Bid Data Sheet Clause 18 We request to consider the extension of the proposal submission date by minimum 21 days to submit the technically comprehensive proposal.	See revised schedule of date and time of submission of bids.
2	Bid Data Sheet Clause 25.1 It is noted that the weights considered for the evaluation of the proposals are the following: 30% for financial and 70% for the technical criteria. As per our experience on similar projects consultations and given the technical complexity of the assignment we would suggest to revise the weights to 20% on financial criteria and 80% on technical.	 The corresponding weights for the proposals, consistent with the Request for Expression of Interest (REI) posted last 13 November 2018, are as follows: 85% - Technical 15% - Financial
3	Bid Data Sheet Clause 25.3 We would like to highlight the fact that the evaluation on Experience (point a) above) could be considered more "objective than the evaluation on Proposed solution, Approach & Methodology and Work plan (point b). Indeed, the consultant's Experience (a) can be quantified by a number of similar projects successfully completed which is not the case for the Approach and Methodology (b). So we would suggest to revise the marks allocation to the following: a) Experience and capability of the firm = 25 points b) Proposed solution, Approach & Methodology and work plan = 60 points c) Qualification of personnel to be assigned on the project = 15 points	• The proposed weights as indicated in the Bid Documents shall remain. Per End-User's email reply dated March 6, 2019.

² Emailed last February 27, 2019

4	Bid Data Sheet Clause 25.3 Could you please clarify how the "Experience and Capability of the firm" will be evaluated: How an experience will be considered as "similar"? (Is it only scope? Duration? Fees? Number of man.month? Or a combination of all? How many similar experience should by displayed by the consultant to get the full marks?	 Experience of the Firm is considered similar if the said experience is similar in nature and scope. Please refer to Section III of the Request for Expression of Interest - EDS 9.2. Per End-User's email reply dated March 6, 2019. Please refer to Section III of the Request for Expression of Interest - EDS 2.1 (a) (ii). Documents submitted during the Request for Expression of Interest that are intended to prove experience, similar or not, shall be resubmitted.
5	General Conditions of Contract Clause 54 Kindly confirm what weight of the total contract price will be allocated to the final payment.	 The schedule of payment shall be included in the Project Inception Report (PIR) to be submitted by the Consultant within thirty (30) days after Contract award and subject to the approval of LRTA. Please refer to TOR Section 9a. Per End-User's email reply dated March 6, 2019.
6	General Conditions of Contract Kindly confirm that this contract should be time based and not lump sum. This clause should not be applicable it is not clear in the SCC).	 The contract for the Consulting Services is a Lump Sum Contract. Per End-User's email reply dated March 6, 2019.
7	 We would like to bring your kind attention that although all efforts should be done by the consultant to maintain its staff on the project, the time duration of 58 months may lead to some necessary replacement. We would like you to kindly consider the possibility of replacement of Key Personnel with at least same qualification and experience level (subject to approval from the Procuring Entity) without incurring the 50% penalty OR revise this 50% penalty to a lower figure. 	 The imposition of penalty is only applicable if the Consultant fails to comply with the requirements under GCC 39.5 to 39.7, such as not securing prior written approval from the Procuring Entity for the replacement, among others. Per End-User's email reply dated March 6, 2019.
8	Special Conditions of Contract Clause 53.4 Kindly confirm that sub-contracting is allowed upon writing approval from the Procuring Entity for some necessary services on this project (Surveys, for example) and this item cost should be quoted under reimbursable expenditures.	Sub-contracting is not allowed. Per End-User's email reply dated March 6, 2019.

9	Special Conditions of Contract Clause 53.5 We kindly request you to revise this clause as the Consultant will have to mobilize promptly all the necessary staff on project site. To avoid any cash flow issue, it is usual that the Client provide a mobilization advance on such project against a Bank Guarantee.	Upon submission of an irrevocable letter of credit or bank guarantee issued by a Universal or Commercial Bank, advance payment not to exceed fifteen percent (15%) of the contract amount shall be allowed. Per End-User's email reply dated March 6, 2019. Details on the percentage that will be allowed shall be discussed during the Negotiation Phase of the Project.
10	Terms of Reference Clause 4.6 For the traffic study an important amount of input data will be required from the authorities. Kindly confirm that LRTA will be in charge of providing the data relevant to the traffic study and that the delay in providing the data should not be imputable to the consultant.	 The Consultant shall be responsible for data gathering pertaining to traffic study. Per End-User's email reply dated March 6, 2019.
11	Bidding Forms TPF 2 Kindly confirm that each reference should be justified with proper official documentation such as Client's certificate.	 Project References and it's attachment/s, if any, which were submitted during the Expression of Interest stage, shall be resubmitted.
12	Bidding Forms FPF 3,4 and 5 It is noted that in these forms the Consultant is requested to provide a breakdown "per activity". Kindly specify what should be the activity breakdown, or kindly indicate if it should be to the Consultant to define it.	The breakdown of activities shall be defined by the Consultant based on the Scope of Works stipulated in the Terms of Reference. Per End-User's email reply dated March 6, 2019.
EMAI	L LETTER FROM SOOSUNG 3	
1	Bid Data Sheet Clause 25.1 The weight of the following proposals are: a. Financial is 30% and b. Technical is 70%.	The corresponding weights for the proposals, consistent with the Request for Expression of Interest (REI) posted last 13 November 2018, are as follows:

³ Emailed last March 1, 2019

2	During Part I, The weight of the proposals indicated the following: Financial is 15% and b. Technical is 85%. Please clarify. Bid Data Sheet Clause 18 The deadline for submission of bids is on March 14, 2019 at 10:00 AM." This is only two (2) weeks. Diligent preparation incorporating the voluminous documents of all IV members would probably take a month to finish. May we request that the deadline for submission of bids shall be on March 28, 2019 at 10:00 AM?	15% - Financial Per End-User's email reply dated March 6, 2019. • See revised schedule of date and time of submission of bids.
3	Photocopy of the following documents must be submitted together with the Curriculum Vitae to evidence educational attainment, work experience and professional certifications: Certificates of Employments and/or Contract of Employment. Valid Certifications and Licences. For International Experts, the original copy of the authentication document of by the Philippine Embassy in Korea of the evidences mentioned above were already submitted during "Part 1", hence, in addition, we can only support photocopy of the authentication document. Please take note that this authentication document for the purpose by Philippine Embassy in Korea is valid for five (5) years. If TWG wishes to see the original copy of same, you may revisit or please refer to the submitted Bid Docs during "Part I".	Copy of the same may be submitted with mention that the original is attached to the Part 1 submission. Per End-User's email reply dated March 6, 2019.
EMAIL 1	LETTER FROM SYSTRA PHILIPPINES 4 • It may be noted that our Joint Venture is differently situated from all the other bidders as we were only informed of our inclusion in the shortlist on February 19, 2019. The other bidders were informed as early as February 7,	See revised schedule of date and time of submission of bids.

⁴ Emailed last March 4, 2019

		view thereof, we would like to request for a 30-day period of extension to submit our Proposal for the project. We understand that such an extension will also benefit and would be appreciated by the other bidders.	-1-2	
	2	 Fairness and transparency in the selection process require that consultants do not derive unfair competitive advantage from having provided consulting services related to the Project in question. To this end, the Procuring Entity shall make available to all the shortlisted consultants together with the Bidding Documents all information that would in that respect give each Consultant a competitive advantage." 	•	All information necessary in the preparation of proposal were provided in the Bid Documents specifically in the Terms of Reference. The LRT2 and LRT2 East Extension Design Criteria is not necessary at this point as these materials will be useful during actual
		In view of the above statement, may we request that such additional documents (e.g. LRT 2 and LRT 2 east extension design criteria and other related documents) be provided soonest as such documents would be a valuable input for our proposal.		contract implementation. Per End- User's email reply dated March 6, 2019.
	3	Bid Data Sheet Clause 6.1 Item 6.1 of the Bid Data Sheet prohibits subcontracting. However, Item 53.4 of the Special Conditions of Contract includes as part of the reimbursable expenditures, payment for subcontract. Considering the extent of the ancillary works required (e.g. topographic survey, parcellary survey, geotechnical engineering investigation, etc.), we would like to confirm that subcontracting shall be allowed for such activities.		Sub-contracting is not allowed. We understand that there are activities/ancilliary works that can be done by a firm or firm specializing in such scope. It is the responsibility of the Consultant to hire them or sub-contract such works. The procuring entity will have no contractual obligation with the said firm as the Contract remains with the "Consultant". The output of the said "sub-contractor" will become the output of the "Consultant" once submitted to the Procuring Entity. Payment made by the Procuring Entity for any such work will be to the Consultant and not to the
energy project				sub-contractor. Per End-User's email reply dated March 6, 2019.
iddercipet (* 7 m) (oo ee Oseo ye	In relation to Item 3 above, should sub- contracting be allowed, the Consultant would like to be clarified on the manner of payment for such services. Normally, the implementing-	•	Response to this is consistent to response to Query No. 3 Per End-
	4	Agency would deduct applicable government taxes from the Consultant's billing for- reimbursable expenses. However, the Consultant being the contracting party with the		User's email reply dated March 6, 2019.
· [subcontractor, would have to pay the sub-	L	

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	contractor's fees inclusive of taxes as we are not an authorized withholding entity. To avoid such circumstances where the Consultant would, in effect, pay taxes twice, we would like to be apprised of the manner/procedure for payment of subcontractors.	
	 In Annex A of the Terms of Reference (item 11), the Consultant's Key Staff are listed together with the required experience/license. We would like to be clarified on the following: 5.1 For the Systems Specialist, we note that there are already personnel requirements for experts for the different systems (Signaling, Communications, Power and Catenary, Rolling Stock and AFCS). Such being the case, we would like to be clarified on the particular expertise that would be required from the Systems Expert. 5.2 For the Estimator/Quantity Surveyor, we note that the nominee should be DPWH 	• The Systems Specialist will basically harmonize the outputs of the Signaling, Communications, Power and Catenary, Rolling Stock and AFCS. The interfacing of the sub-systems of the entire rail project will be done by the Systems Specialist, thus it requires a multi-discipline expertise. Per End-User's email reply dated March 6, 2019.
	accredited. Based on our inquiry with the DPWH Procurement - Civil Works Division, we were informed that they do not have/provide such accreditation. We would like to confirm that such accreditation would not be necessary if the Consultant's nominee is a licensed engineer.	 The End-User confirms that if the nominee for the Estimator/Quantity Surveyor if a LICENSED CIVIL ENGINEER, DPWH accreditation will no longer be required. Per End-User's email reply dated March 6, 2019.
	5.3 For the Public Relations Officer we note that Engineering experience is required and at the same time, it is expected that the said individual would have to draw up a Public Relations Plan. Generally, engineers are not PR practitioners. A different set of skills, experience, networking and exposure are required for PR practice. In this regard we would like to request that the requirement for engineering degree and experience be waived for the said position	 The requirement for the Public Relation Officer will be ten (10) years general experience as PRO and three (3) years experience as PRO in similar project. Per End-User's email reply dated March 6, 2019.
dd subsi as	Terms of Reference	
6	Item 10.b of Annex A of the Terms of Reference_requires the Consultant to provide logistics such as service vehicles, computers and other IT equipment, office furniture and supplies. To guide us in the preparation of our Financial Proposal, we would like to be apprised of the	The LRTA-PMO will be comprised of twelve (12) personnel as follows: (1) Project Manager (3) Principal Engineer A

	number of personnel to be assigned to the PMO so we could adequately calculate the logistical support required.	 (1) Financial Planning Specialist B (1) Senior Financial Planning Specialist (1) Administrative Services Officer B (1) Property/Supply Officer B (1) Computer Operator (1) Secretary A (1) Driver – Mechanic B (1) Liaison Aide Per End-User's email reply dated March 6, 2019
EMAII	FROM J.F. CANCIO & ASSOCIATES 5	
1	Bid Data Sheet Clause 25.1 The financial and technical proposals shall be given corresponding weights with the financial proposal given thirty percent (30%). The weight of the technical criteria shall be seventy percent (70%). The BAC shall rank the consultants in descending order based on the combined numerical ratings of their technical and financial proposals and identify the Highest Rated Bid. Query: The Eligibility Documents indicate 15% and 30% for financial and technical respectively. Which is correct? Please confirm.	The corresponding weights for the proposals, consistent with the Request for Expression of Interest (REI) posted last 13 November 2018, are as follows: 85% - Technical 15% - Financial
2	Terms of Reference DOT/LRTA shall create a Project Management Office (PMO) to be headed by the Project Manager who will be assisted by Project Engineers. While the PMO will have its own office, the Consultant shall provide the PMO logistics such as service vehicles, computers and other IT equipment office furniture and office supplies necessary for the performance of their duties. Kindly provide the quantities of the PMO corresponding	The LRTA-PMO will be comprised of 12 personnel as follows: Project Manager (3) Principal Engineer A (1) Financial Planning Specialist B (1) Senior Financial Planning Specialist (1) Administrative Services Officer B (1) Property/Supply Officer B (1) Computer Operator (1) Secretary A (1) Driver – Mechanic B (1) Liaison Aide

⁵ Emailed last March 4, 2019

	specifications.	It is for the Bidder to determine the logistical support it will provide the PMO.					
	·	Per End-User's email reply dated March 6, 2019.					
EMAIL	EMAIL FROM FORESIGHT DEVELOPMENT AND SURVEYING COMPANY 6						
1	Kindly clarify, if it is possible to substitute the candidates that were proposed during the EOI stage for this Technical proposal?	Replacement of candidate is not allowed at this stage. Per End-User's email reply dated March 6, 2019.					
2	Kindly confirm if the Support Personnel and Other Support Staff Qualifications are required to submit Curriculum Vitae (CV). If required would they be part of the evaluation.	 Yes, CV for support personnel and other support staff shall be submitted and evaluated to determine compliance to TOR Section 11. However, these support personnel and other support staff will not be part of the rating of the Consultant. Per End-User's email reply dated March 6, 2019. 					
√3	With the short duration given for the preparation of the Technical Proposal, may we request the BAC that deadline for submission of the Tender be extended	See revised schedule of date and time of submission of bids.					

By Rule, all other related provisions in the Bidding Documents correspondingly affected by these amendments are likewise deemed amended to conform to this Bid Bulletin.

Amendments made herein shall be considered an integral part of the Bidding Documents.

ENGR. PABLO FOMAN C. ANDRES Chairperson, Bids and Awards Committee X

⁶ Emailed last March 4, 2019

CHECKLIST OF REQUIREMENTS FOR THE TECHNICAL AND FINANCIAL PROPOSAL

I. Class "A" Documents –

Technical Proposal

1.	Technical Proposal Submission Form; as described in ITB 10.2 (a) (Use TPF1)		
2.	Bid Security (as described in BDS 15.1); as described in ITB 10.2 (b)		
3.	Consultant's Project References; as described in ITB 10.2(c)(i) (Use TPF2)		
4.	Comments and Suggestions; as described in ITB 10.2(c)(ii) (Use TPF3)		
5.	List of Facilities requested by the Consultant; as described in ITB 10.2(c)(ii) (Use TPF3)		
6.	Methodology; as described in ITB 10.2(c)(iii) (Use TPF4) supported by Statement of Compliance Form		
7.	Work Plan; as described in ITB 10.2(c)(iii) (Use TPF4)		
8.	Team Composition and Tasks; as described in ITB 10.2(c)(iv) (Use TPF5 supported w/ an organizational chart		
9.	Curriculum Vitae of each nominated Expert; as described in ITB 10.2(c)(v) (Use TPF6)		
10.	Time Schedule; as described in ITB 10.2(c)(vii) (Use TPF7)		
11.	Activity (Work) Schedule; as described in ITB 10.2(c)(viii) (Use TPF8)		
12.	Omnibus Sworn Statement; as described in ITB 10.2(d) (Use attached prescribed format in Section VII. Bidding Forms)		
Financia	l Proposal consisting of the following:		
1.	Financial Proposal Submission Form (Use FPF1).		
2.	Summary of Costs (Use FPF2).		
3.	Cost of Services Breakdown of Price per Activity (Use FPF3).		
4.	Training Costs Breakdown of Remuneration per Activity (Use FPF4).		
5.	Other Expenses, if any Reimbursables per Activity		
6.	Miscellaneous Expenses (Use FPF6)		

TPF 2. Consultant's References

Relevant Services Carried Out in the Last Fifteen Years That Best Illustrate Qualifications

Using the format below, provide information on each project for which your firm/entity, either individually, as a corporate entity, or as one of the major companies within an association, was legally contracted.

Project Name:		Country:				
Location within Country:		Professional Staff Provided by Your				
	Firm/Entity(profiles):					
Name of Client:	Nº of Staff:					
Address:		Nº of Staff-Months; Duration of Project:				
Start Date (Month/Year):	Completion Date (Month/Year):	Approx. Value of Services (in Current US\$):				
Name of Associated Consultants	Nº of Months of Professional Staff Provided by Associated Consultants:					
Name of Senior Staff (Project Director/Coordinator, Team Leader) Involved and Functions Performed:						
Narrative Description of Project:						
Description of Actual Services Provided by Your Staff:						

Consultant's Name:		
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STATEMENT OF COMPLIANCE

CONSULTING SERVICES FOR LRT LINE2 WEST EXTENSION PROJECT for the Light Rail Transit Authority (LRTA)

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE	REFERENCE
Scope of Work	<u> </u>	
The selected Consultant shall perform, on behalf of, and in collaboration with LRTA-PMO, all necessary works (i.e. to be carried out without disrupting the operation of the existing LRT Line2) for the LRT Line2 West Extension consulting services that include, but not limited to the following:		
a. Engineering services for Civil Works, Electro-mechanical Works and Rolling Stock		
i. Viaduct (whole west extension)		·
ii. Stations (Tutuban, Divisoria and Pier 4)		
iii. Electro-mechanical system (whole west extension)		·
iv. Rolling Stock		
 Tender preparation and Assistance in the bidding for the procurement of Contactor for all contract packages (Civil works, Trackworks and electro-mechanical system and Rolling Stocks) 		
c. Construction and all necessary Utilities relocation supervision services		
The Consultant shall review the design and construction of the original LRT 2 with a view of documenting the lessons learned so that construction delays will be avoided in the construction of the proposed 3-km extension.		
I. Preparation of Civil Works Concept Design (For viaduct and stations)		
The Consultant shall provide professional engineering services and preparatory works necessary for the procurement of a Design and Build contract for LRT Line2 West Extension Project civil works. It should include among others:		
Formulation of schemes		
Conduct of studies		
Surveys and tests		
Preparation of plans and specifications		
■ Cost estimates		
■ Program of work		
Construction Schedule / Timelines		
 Preparation of Environmental Impact Study (EIS) and securing of Environmental Compliance Certificate (ECC) prior to start of construction 		
Preparation of precise Utility Plan and Utility Relocation Plan		
Preparation and implementation of Relocation Action Plan (RAP), when necessary		
Traffic Study, full-blown Traffic Impact Assessment with simulation		
Assistance in securing permits and licenses required, if any.		
The Conceptual Design for the viaduct and stations will be subject for LRTA approval and DOTr concurrence and shall include, among others;		
a. Typical station drawings at different levels including sections of the stations;		
b. Typical drawings for architectural finishes		
c. Plans for intermodal facilities		
d. Performance Specifications		

Bid Bulletin No.2

——Public-Bidding-No.-18-380-10
Consulting Services For LRT Line 2 West ExtensionProject
for the Light Rail Transit Authority (LRTA)-Part 2