

BIDDING DOCUMENTS

FOR

THE PROCUREMENT OF

PACKAGE CP NS-01: E&M SYSTEMS AND

TRACK WORKS

Volume I of IV

PART 1 – BIDDING PROCEDURES

March 2021

Employer:	Department of Transportation
Procuring Agent:	Procurement Service
Country:	Republic of the Philippines
Project:	The Malolos–Clark Railway Project and the North South Railway Project-South Line (Commuter)
Loan No.:	PH-P270

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INVITATION FOR BIDS (IFB)

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INVITATION FOR BIDS (IFB)

Date: 19 March 2021

Loan Agreement No: PH-P270

IFB No: 21-040-3

1. The Government of the Republic of the Philippines, through the Department of Finance (DOF), has received a Loan from Japan International Cooperation Agency (JICA) towards the cost of the Malolos–Clark Railway Project and the North South Railway Project-South Line (Commuter). It is intended that part of the proceeds of this loan will be applied to eligible payments under the Contract for the Procurement of Package CP NS-01 E&M Systems and Track Works.
2. Bidding will be conducted through procedures in accordance with the applicable Guidelines for Procurement under Japanese ODA Loans published in April 2012, and is open to all Bidders from eligible source countries, as defined in the Loan Agreement.
3. The Department of Transportation (DOTr) as the Employer, through its Procuring Agent, Procurement Service (PS), now invites sealed Bids from eligible Bidders for the design, execution and completion of the railway systems/subsystems and track works consisting of track works, signaling, telecommunications, power supply, power distribution, overhead contact line, automatic fare collection system, depot and workshop facility, training facility, platform screen doors, computerized maintenance management system, etc. (“the Works”).
4. International Competitive Bidding (ICB) will be conducted in accordance with JICA’s “Single-Stage Two-Envelope Bidding (Without Prequalification)” Bidding Procedure.
5. Interested eligible Bidders may obtain further information from and inspect the Bidding Documents at the address indicated below from Mondays to Fridays during office hours from 8:00 AM to 6:00 PM:

Procurement Service
PS Complex,
RR Road, Cristobal Street, Paco
Manila 1007, Philippines

Telephone Number: 8689-7750 and 8689-7751
Email Address: psdotr_cpns01@ps-philgeps.gov.ph
Websites: www.ps-philgeps.gov.ph/home/ [PS]
www.dotr.gov.ph [DOTr]
www.pnr.gov.ph [PNR]

6. A complete set of the Bidding Documents (with General Conditions of Contract) may be purchased by interested Bidders upon the submission of a written application to the address indicated in item 5 above and upon payment of a non-refundable fee of Forty-eight Thousand Philippine Pesos (PHP 48,000.00).

In addition to the over the counter payment at Procurement Service Cashier and due to the extraordinary circumstance and consistent with the effort of the Philippine Government to curb the further spread of the contagion, **payments may also be made via online domestic and international bank transaction through the following account:**

Bank: **Land Bank of the Philippines – UN Branch**
Account Name: **Procurement Service – DBM**
Account No: **001442-1012-10**
Swift Code: **TLBPPHMMXX**

Important Notes:

- i. Due to 72-hours standard wire transfer clearing process for online transfers, bidders are strictly advised to ensure transfer of payment not later than 14 June 2021.
- ii. Bidders who choose to transfer payments online shall ensure that the amount transferred shall be sufficient to cover the transfer fees of correspondent banks upon conversion of the original currency to Philippines Pesos.
- iii. Bidder shall send proof of payment to the official BAC email on the same day of transfer.
- iv. Please refer to Annex A-1 for the list of Depository Bank.

The Bidding Documents (without the General Conditions of Contract) may also be downloaded by the Bidders free of charge from the websites of PS, DOTr and PNR (indicated in item 5 above), but Bidders must pay the said non-refundable fee for the Bidding Documents before the submission of their Bids.

7. Bids must be delivered to the address above on or before 10:00AM on 17 June 2021 and must be accompanied by a Bid Security of Japanese Yen Two Thousand Seven Hundred Fifty Million (JPY 2,750,000,000).
8. The Technical Bids will be opened in the presence of Bidders' representatives who choose to attend at the address given in item 5 above, immediately after the deadline for the submission of bids.

ENGR. JAIME M. NAVARRETE, JR.
Chairperson
Bids and Awards Committee for CP NS-01

Annex A-1

List of Depository Banks				
As of July 15, 2020				
Regular				
No	Name of Bank	Address	Currency	Account No.
1.	Standard Chartered GMBH	Thoedor-Heuss-Allce 112, d-6000036 Frankfurt (Main), Frankfurt	Euro	18009110
2.	Standard Chartered Bank	One Madison Avenue, New York, NY, 10010- 3603	US Dollar	3582-023189-001
3.	Standard Chartered Bank	21/f Sanno Park Tower, 2-11-1 Nagatacho, Chiyoda-ku, Tokyo, 100-6155 Japan	Japanese Yen	2308126-1110
4.	Standard Chartered Bank	1 Aldermanbury Square, London EC2V 7SB	Pound Sterling	01266376701
5.	JP Morgan Chase Bank, N.A.	One Chase Manhattan Plaza, 30 th Floor, New York, NY10081	US Dollar	544-7-37406
6.	DEV. Bank of Singapore Ltd	750E Chai Chee Road #08-04 Technopark @ Chai Chee Singapore 469005	Singapore Dollar	037-003584-0
7.	ANZ Banking Group Ltd	833 Collins St. Docklands 3008 Melbourne Australia	Australian Dollar	868505AUD00001
8.	Zurcher Kantonalbank, Zurich	Postfach, CH-8010 Zurich	Swiss Franc	0700-01289810

FCDU				
No	Name of Bank	Address	Currency	Account No.
1.	Abu Dhabi Commercial Bank	Head Office Building, 10F/PO Box 939, Shiek Zayed Rd., Dubai UAE	AED	10422998001001
2.	Bank of America	335 Madison Avenue, New York, New York 10048	US Dollar	6550-3-96426
3.	Bank of China	36 th Floor Philamlife Tower, 8767 Paseo de Roxas, Makati City	Chinese Yuan	970025-2011-011
4.	Bank of New York Mellon	1 Wall Street, Floor 8, New York, New York 10043	US Dollar	8900492597
5.	Citibank PDDTS	10/f Citibank Tower, 8741 Paseo de Roxas, Makati City.	US Dollar	5-010492-019

6.	Citibank	460 West 33 rd Street, New York, New York 10043	US Dollar	36008477
7.	Kookmin Bank *	9-1 Namdaemunno 2-ga, Jung-gu, Seoul, Korea	US Dollar	757-8-usd
8.	Landesbank Baden Wurtttemberg Stuttgart	Am Hauptbahnhof 2, 70173 Stuttgart/ Germany	Euro	2807287
9.	Mizuho Corporate Bank	1-5-5, Otemachi, Chiyoda-ku, Tokyo 100- 8176, Japan	Japanese Yen	3714010
			US Dollar	3714010
10.	Overseas-Chinese Banking Corp. *	65 Chulla St., OCBC Center, Singapore 0104	US Dollar	501-044044-201
			Singapore Dollar	501-427678-001
11.	Shinhan Bank *	120, 2Ga Taepyung-Ro Jung-Gu, Seoul 100-102, Korea	US Dollar	0147494-USD-01
12.	Wells Fargo Bank NA	One South Broad Street, Philadelphia, PA 19107, PA 4818	US Dollar	2000191136030
13	Woori Bank *	51 Sogong-Ro Jung-gu Seoul 100-792 Korea	US Dollar	W1025001US
			Korea Won	W1025002KR

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JICA Loan No.:	PH-P270

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PART 1 – BIDDING PROCEDURES

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SECTION I. INSTRUCTIONS TO BIDDERS (ITB)

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INSTRUCTIONS TO BIDDERS (ITB)

The Instructions to Bidders governing this bidding process are the Instructions to Bidders included in **Option A**, Single-Stage Two-Envelope Bidding (Section I) of the Standard Bidding Documents for the Procurement of Electrical and Mechanical Plant, and for Building and Engineering Works, Designed by The Contractor (Trial Version) published by JICA in July 2015. Those Instructions to Bidders are available on the JICA’s web site shown below:

http://www.jica.go.jp/english/our_work/types_of_assistance/oda_loans/oda_op_info/guide/tender/index.html

A copy of the Instructions to Bidders is not attached to these Bidding Documents, and they will not be part of the Contract.

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SECTION II. BID DATA SHEET (BDS)

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BID DATA SHEET (BDS)

A. General	
ITB 1.1	The number of the Invitation for Bids is: 21-040-3
ITB 1.1	The Employer is: Department of Transportation (DOTr).
ITB 1.1	The name, identification and number of the lot (contract) comprising this ICB is: Procurement of CP NS-01: E&M Systems and Track Works.
ITB 2.1	The Borrower is: The Government of the Republic of the Philippines.
ITB 2.1	The number of the Loan Agreement is: PH-P270 The amount of the Japanese ODA Loan is: Japanese Yen One Hundred Sixty-Seven Billion One Hundred Ninety-Nine Million (JPY 167,199,000,000). The signed date of the Loan Agreement is: 21 January 2019.
ITB 2.1	The name of the Project is: The Malolos-Clark Railway Project and the North South Railway Project-South Line (Commuter).
ITB 2.2	The applicable Guidelines for Procurement under Japanese ODA Loans are those published in April 2012.
ITB 3.1(c)	A list of debarred firms and individuals is available at the World Bank’s website: www.worldbank.org/debarr .
New ITB 4.1	Add the following sentence at the end of Sub-Clause 4.1: Details of the intended percentage of financial participation of each member in the JV shall be provided in the Technical Bid, together with a statement regarding the proposed role and function of each member and the corporate relationships among the individual members. The agreement entered into between the JV members shall incorporate all such details.
ITB 4.5	This bidding is not subject to prequalification.
B. Bidding Documents	
New ITB 6.5	Add the following Sub-Clause 6.5 after ITB 6.4: The Bidder should visit, examine and assess the Site, including the likely working conditions. For the Bidder’s reference, a ‘read only’ electronic copy of the following data/information may be downloaded from the PS, DOTr and PNR websites listed in ITB 7.1 (unless otherwise noted below), but such data/information will not be incorporated as a part of the Contract: Site Data - Environment Impact Statement

	<ul style="list-style-type: none"> - Environmental Management Plan - Environmental Monitoring Plan - Existing Utility Drawings <p>Site Reference Information</p> <ul style="list-style-type: none"> - Topographic Survey Report - Hydrological Report - Traffic Assessment Survey Report - Existing Structure of Historical Importance Report - Safety Rules and Manuals Published by Philippine National Railway (PNR) - available for inspection at the office of PNR with prior appointment <p>To enable Bidders to gain an overview of the civil work packages for the North South Commuter Railway Extension Project and North South Commuter Railway Project (Malolos-Tutuban), a copy of the bidding documents for Contract Packages N-01 to N-05, S-01, S-02, S-04 to S-07, CP01 and CP02 are also available on the PS, DOTr and PNR websites listed in ITB 7.1. Those particular reference documents will be incorporated as a part of the Contract.</p>
<p>ITB 7.1</p>	<p>For clarification purposes only, and acting on behalf of the Employer, the Procurement Agent’s address is:</p> <p>Attention: Engr. Jaime M. Navarrete, Jr. The Chairperson Bids and Awards Committee for CP NS-01</p> <p>Address: Procurement Service PS Complex, RR Road, Cristobal Street, Paco, Manila 1007, Philippines</p> <p>Tel No. 8689-7750 and 8689-7751 Email Address: psdotr_cpns01@ps-philgeps.gov.ph</p>
<p>ITB 7.1</p>	<p>Responses to any request for clarification, if any, will be published on the web pages indicated below provided that such request is received not later than fourteen (14) days prior to the deadline for submission of Bids.</p> <p>Web pages: www.ps-philgeps.gov.ph/home/ www.dotr.gov.ph www.pnr.gov.ph</p> <p>For any requests for clarifications, prospective Bidders shall submit them in writing using the template provided in Attachment-1 to this Bid Data Sheet, together with a cover letter signed by the Bidder’s Authorized Representative. The prospective Bidders shall submit a hard-copy of the</p>

	cover letter and clarification request to the Procurement Service, or email electronic copies in PDF and Word format.
ITB 7.4	<p>A Pre-Bid Conference will take place at the following date, time and place:</p> <p>Date: 16 April 2021</p> <p>Time: 10:00 A.M.</p> <p>Place: Procurement Service PS Complex RR Road, Cristobal Street Paco, Manila 1007 Philippines</p> <p>The Pre-Bid Conference will be open to all interested parties, including those who have not purchased the Bidding Documents. Pursuant to the Presidential Proclamation on COMMUNITY QUARANTINE and STRICT implementation of social distancing due to the COVID-19 pandemic, the Procurement Service shall limit the number of attendees to a maximum of three (3) representatives per organization. Interested bidders are advised to notify the Committee of their intent to physically attend, with an advice on the number and names of the representatives. The sated notification may be sent to the same official email address.</p> <p>All interested parties may access the Pre-Bid Video Conference call through this link: meet.google.com/hrh-visz-cqa using the Google Meet Platform on the scheduled Pre-bid conference as stated above. Potential bidders who access the link shall be required to input their attendance, name, representation, and contact details as traditionally required in physical meetings.</p> <p>The Works to which these Bidding Documents relate extend over a long distance and have a large number of interfaces with other work packages, and where access times for being able to carry out the physical on-Site work will vary (as per the details given elsewhere within these Bidding Documents). For administrative purposes, the Works have therefore been divided into four distinct Sections, the details of which can be found in the “Table: Summary of Sections” contained at the end of “Part A – Contract Data” within “Section VIII. Particular Conditions” under “Part 3 – Conditions of Contract and Contract Forms” (Volume IV).</p> <p>Site visits conducted by the Employer may be held if so requested by the Bidders. A document titled “Guidelines for the Site Visit” is included in Attachment-2 to this Bid Data Sheet.</p>
New ITB 7.7	Visa Issuance and Entry Permits for Bidders Participating in Ongoing Procurements for DOTr Railways Section Project

	<p>In relation to the ongoing procurement activities for various DOTr Railways Sector projects, this is to inform all Bidders that DOTr shall provide assistance to those requesting visa issuance and entry permits into the Philippines, subject to the following conditions:</p> <ol style="list-style-type: none"> 1. Only bidders who have purchased bidding documents can request such assistance; 2. Each bidder shall propose a maximum of fifteen (15) personnel for each Contact Package; 3. Each bidder shall fill the form attached herewith as Attachment-3 (request with unfilled or incomplete forms will not be processed); 4. Each bidder shall submit to the BAC Secretariat (not to the DOTr) a request letter, together with the filled Attachment-3, after which such request shall be forwarded by the BACC Secretariat to DOTr focal persons for processing; 5. All updates, supplements, and follow-up shall be made through the BAC Secretariat only; and 6. All bidders shall strictly follow all health protocols for foreign nationals entering the Philippines.
ITB 8.2	Addenda, if any, will be published on the websites given under ITB 7.1.
C. Preparation of Bids	
ITB 10.1	The language of the Bid is: English.
ITB 11.2 (l)	<p>The Bidder shall submit with its Technical Bid all such additional documents as are listed in Section IV, Bidding Forms, Appendix 9: Bid Submission Index under the heading ‘Technical Bid’.</p> <p>Note: The Technical Bid must not contain any financial proposal.</p>
ITB 11.3 (d)	The Bidder shall submit with its Price Bid all such additional documents as are listed in Section IV, Bidding Forms, Schedule 9: Bid Submission Index under the heading ‘Price Bid’.
ITB 13.1	Alternative Bids are not permitted.
ITB 16.1 (b)	The spare parts, special tools, etc. shall be supplied and sufficient for the full operation of the Works for a period of Four (4) years after the Employer’s Taking Over of the Works, and as specified in the Employer’s Requirements. Reference must also be made to the Employer’s Requirements Technical Specifications Sections regarding the provision of spare parts and special tools, etc., required during and after the Defects Notification Period.

ITB 18.1	Bidders shall quote for the entire Works on a single responsibility basis.
ITB 18.7	<p>1. The Government of the Republic of the Philippines shall, by itself or through its executing agency, assume responsibility for:</p> <ul style="list-style-type: none"> (i) all duties and related fiscal charges imposed in the Republic of the Philippines on the Japanese companies operating as suppliers and contractors with respect to the import and re-export of their own materials and equipment needed for the implementation of the Project; and (ii) all fiscal levies and taxes imposed in the Republic of the Philippines on the Japanese companies operating as suppliers and contractors with respect to the payment carried out for and the income accruing from the supply of products and/or services required for the implementation of the Project; and (iii) all fiscal levies and taxes imposed in the Republic of the Philippines on the Japanese employees engaged in the implementation of the Project with respect to their personal income derived from the Japanese companies operating as suppliers and contractors for the implementation of the Project. <p>2. In connection with such tax assumption, the Government of the Republic of the Philippines or its executing agency shall be responsible for the liquidation or settlement of such fiscal levies, duties, taxes and other similar charges. In particular, the Government of the Republic of the Philippines shall assume the Value-Added Tax (VAT) to the Contractor in accordance with the Law of the Country.</p> <p>3. Description below made available to Bidders for their reference, but not limited to:</p> <ul style="list-style-type: none"> (iv) VAT: <p>VAT registered suppliers and subcontractors of the Japanese companies, shall bill and pass on the twelve percent (12%) to the Japanese companies/contractors. In turn, the Japanese contractors shall include in their billing and pass on the 12% VAT to the Employer. Therefore, VAT, except VAT on imports, shall be incorporated into the Local Unit Prices (PhP) and Local Amounts (PhP) of the Bid Price. It will be the responsibility of the Japanese Contractor to file the prescribed VAT returns on gross receipts derived from the Project, claim their input taxes from their purchase of goods, properties and services from their suppliers or subcontractors and shall pay the output tax or VAT thereon, after offsetting the creditable or allowable input taxes, considering that the amount intended for payment of the VAT has already been collected and received by the Japanese contractors or nationals from the Employer as part of the total billing/invoice price. (RMC No. 8-2017).</p>

	<p>(v) Import VAT and Import duties: Import VAT and Import duties will be assumed by the Employer, following the tax assumption scheme.</p> <p>(vi) Corporate Income Tax, Personal Income Tax and Fringe Benefit Tax: For income tax, Japanese Contractor shall file its income tax return and the Bureau of Internal Revenue (BIR) shall collect the income tax due from the government executing agency i.e. Department of Transportation (DOTr) (RMC No. 42-99).</p> <p>(vii) Withholding Tax The Contractor shall be responsible of filing with the BIR for the Corporate Tax Requirements in the Philippines.</p> <p>(viii) Local Business Tax: Local Business Tax will be assumed by the Employer, following the tax assumption scheme.</p> <p>(ix) Branch Profit Remittance Tax (BPRT): The Employer shall assume the BPRT for branch profits remitted by the Japanese Contractor to its head office in Japan out of its income derived from the supply of products and/or services required for the implementation of the project.</p> <p>Refer to the guidelines below:</p> <table border="1"> <tr> <td>RMC No. 8-2017</td> <td>Clarifies the tax treatment of Value-Added Tax on government money payments for OECF-funded projects under Exchange of Notes between Republic of the Philippines and the Government of Japan</td> </tr> <tr> <td>RMC No. 42-99</td> <td>Amending Revenue Memorandum Circular No. 32-99</td> </tr> <tr> <td>DOF-DBM Joint Circular No. 1 dated April 30, 2014</td> <td>Rules, Guidelines And Procedures In Implementing The Tax Expenditure Subsidy Section Under The General Provisions Of The Annual General Appropriations Act</td> </tr> </table> <p>(Note: Bidders shall refer to the following websites for any possible updates in the guidelines: www.dbm.gov.ph, www.bir.gov.ph)</p>	RMC No. 8-2017	Clarifies the tax treatment of Value-Added Tax on government money payments for OECF-funded projects under Exchange of Notes between Republic of the Philippines and the Government of Japan	RMC No. 42-99	Amending Revenue Memorandum Circular No. 32-99	DOF-DBM Joint Circular No. 1 dated April 30, 2014	Rules, Guidelines And Procedures In Implementing The Tax Expenditure Subsidy Section Under The General Provisions Of The Annual General Appropriations Act
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RMC No. 42-99	Amending Revenue Memorandum Circular No. 32-99						
DOF-DBM Joint Circular No. 1 dated April 30, 2014	Rules, Guidelines And Procedures In Implementing The Tax Expenditure Subsidy Section Under The General Provisions Of The Annual General Appropriations Act						
ITB 18.9	Add the following new Sub-Clause after Sub-Clause 18.8: The bids shall be priced and programmed on a pre-COVID-19 basis, i.e.						

	<p>excluding the Republic of the Philippines public health and safety emergency legislation: Emergency Community Quarantine, and any impacts and mitigation measures recommended in DPWH Departmental Order No. 39, 2020.</p> <p>However, the Employer acknowledges that the COVID-19 pandemic (including potential future waves and/or mutations of the original virus), its effect on people, on business operations and supply chains, and the Government of the Philippines’ (“GOP”), Local Government Units’ (“LGU”), and other governments’ response measures (including any legally-constituted public authority), are likely to have an effect on the eventual Contractor’s Work Programme and Financial Proposal (“COVID-19 Effects”).</p> <p>Given the above, the Employer will recognize the eventual Contractor’s claims for:</p> <ul style="list-style-type: none">(a) Extension of Time for delays that the Contractor can demonstrate to the satisfaction of the Engineer were caused by the COVID-19 Effects, including but not limited to complying with instructions from the Employer on COVID-19 response measures;(b) Additional Costs, as defined in the Part 3 - Conditions of Contract in the Bidding Documents, including for delay, impediment, prevention, disruption, and/or prolongation that the Contractor can demonstrate to the satisfaction of the Engineer were caused by the COVID-19 Effects, including but not limited to complying with instructions from the Employer on COVID-19 response measures, further including COVID-19 related measures in the Contractor’s Engineer-approved Health and Safety Plan, and further including financing cost that may be incurred as a result of the COVID-19 Effects, such as security and insurance, provided, that overhead was actually incurred and related to the COVID-19 Effects, and provided further, that in cases covered by sub-clauses 3.3. (Instructions of Engineer) and 13 (Variations and Adjustments), the additional Cost shall be together with profit; and(c) Additional Costs that the Contractor can demonstrate to the satisfaction of the Engineer are necessary to comply with instructions from the Employer for COVID-19 acceleration
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	<p>measures, which shall comprise of measures intended to accelerate the realization of Key Dates and/or Completion to offset any Extension of Time that may be caused by the COVID-19 Effects,</p> <p>Pursuant to the General Conditions (“GC”) and Particular Conditions (“PC”) in the Bidding Documents, including sub-clauses 3.3. (Instructions of Engineer), 3.5 (Determinations), 8.4 (Extension of Time for Completion), 8.5 (Delays Caused by Authorities), 13 (Variations and Adjustments), 13.7 (Adjustment for Changes in Legislation), 19 (Force Majeure), and 20.1 (Contractor’s Claims), and subject to observance of the applicable communication obligations under the GC and PC in the Bidding Documents, such as sending of notices and keeping of contemporary records, with the Engineer taking due regard of all relevant circumstances, including the FIDIC Golden Principles and the extraordinary challenge posed by COVID-19.</p> <p>The Employer is in the process of finalizing a mechanism to address all COVID-19 Effects related issues and claims that it intends to use for all its ADB- and JICA-funded projects. This mechanism, once finalized, will be published in a bid bulletin.</p>
<p>ITB 19.1</p>	<p>The currency(ies) of the Bid shall be as described below:</p> <p>The unit rates and prices shall be quoted by the Bidder in the Price Schedule separately in the following currencies:</p> <p>(i) for those inputs to the Works that the Bidder expects to supply from within the Employer’s country, in Philippine Peso, the name of the currency of the Employer’s country, and further referred to as “the local currency”; and</p> <p>(ii) for those inputs to the Works that the Bidder expects to supply from outside the Employer’s country (referred to as “the foreign currency requirements”), in Japanese Yen and/or United States Dollars and/or Euro.</p>
<p>ITB 20.1</p>	<p>The Bid validity period shall be two hundred ten (210) days.</p>
<p>ITB 20.3 (a)</p>	<p>The Bid Price shall be adjusted by the following factor: Not applicable.</p>
<p>ITB 20.3 (b)</p>	<p>The fixed portion of the Bid Price shall be adjusted by the following factor:</p> <p>The local currency portion (Philippine Peso) of the fixed portion of the Contract Price shall be adjusted by applying the Consumer Price Index of the Philippines (all items) published by the Philippine Statistics Authority (PSA).</p>

	<p>The foreign currency portion (Japanese Yen) of the fixed portion of the Contract Price shall be adjusted by applying the Consumer Price Index of all items published by the Statics Bureau of Japan.</p> <p>The foreign currency portion (United States Dollars and/or Euro) of the fixed portion of the Contract Price shall be adjusted by applying the institutional organization in the originating country.</p>						
ITB 21.1	<p>The amount and currency of the Bid Security shall be Japanese Yen Two Thousand Seven Hundred Fifty Million (JPY 2,750,000,000).</p> <p>If the Bid Security is in the form of a cashier’s or certified check, it shall be made payable to “PROCUREMENT SERVICE”.</p>						
ITB 21.2 (d)	<p>Other types of acceptable securities: None.</p>						
ITB 22.1	<p>In addition to the original version of the Bid (in hardcopy format), the required number of copies is: five (5) hard copies and two (2) electronic (soft) copies in readable Compact Disc (CD) ROMs for the Technical Bid and the Price Bid, respectively. It is sufficient that only the “ORIGINAL” Bid is submitted with original signatures and initials and that the five (5) hard copies may be photocopies of the signed and initialed “ORIGINAL” Bid.</p> <p>Each CD ROM is required to contain all of respective documents in either Portable Document Format (.pdf) or Microsoft Word (.doc/.docx), arranged in exactly the same sequence as in the original set. In the event of any conflict between the printed (paper) copies and the electronic copies, the original printed (paper) copies shall prevail.</p> <p>The CD ROM for the Technical Bid is to be inserted into the envelope marked “Technical Bid - Copy”, and the CD ROM for the Price Bid is to be inserted into the envelope marked “Price Bid - Copy”. Bidders are required to include in the CD ROM submitted with the Price Bid the Microsoft Excel files (.xls/.xlsx) for Price Schedules 1.1, 1.2, 1.3, 1.4 and 1.7.</p> <p>For easy reference, the Bidders are required to submit their Bids with index tabs corresponding to the order of Appendix 9: Bid Submission Index. Bidders are also required to submit Appendix 7.1: Proposed Bid Program in color with each copy of the Technical Bid.</p>						
ITB 22.2	<p>The written confirmation of authorization to sign on behalf of the Bidder shall, corresponding to whether the Bidder is a Corporation, Partnership, Joint Venture (JV) or Sole Proprietorship, consist of the applicable document, as follows:</p> <table border="1"> <thead> <tr> <th></th> <th>TYPE OF ENTITY</th> <th>DOCUMENT</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>		TYPE OF ENTITY	DOCUMENT			
	TYPE OF ENTITY	DOCUMENT					

	1	Corporation	Board Resolution with Board Secretary Certificate
	2	Partnership	Articles of Partnership
	3	Joint Venture (JV)	Certified Authorization or Resolution from each member
	4	Sole Proprietorship	Special Power of Attorney (SPA)
<p>For a Japanese Company bidding as a Corporation, an SPA may be substituted for a Board Resolution with Board Secretary Certificate.</p> <p>However, in the case of a JV, evidence shall be provided to demonstrate that the person(s) signing the SPA is authorized to sign for and on behalf of each member of the JV.</p>			
D. Submission and Opening of Bids			
ITB 24.1	<p>For <u>Bid submission purposes</u> only, and acting on behalf of the Employer, the Procuring Agent’s address is:</p> <p>Attention: Engr. Jaime M. Navarrete, Jr. The Chairperson Bids and Awards Committee for CP NS-01</p> <p>Address: Procurement Service PS Complex, RR Road, Cristobal Street Paco, Manila 1007, Philippines</p> <p>The deadline for Bid submission is:</p> <p>Date: 17 June 2021 Time: 10:00 AM</p>		
ITB 27.1	<p>The opening of the Technical Bids shall take place immediately after the deadline for submission of Bids in the presence of Bidders’ representatives who choose to attend at:</p> <p>Address: Procurement Service PS Complex, RR Road, Cristobal Street Paco, Manila 1007, Philippines</p> <p>Date: 17 June 2021 Time: 10:00 AM</p>		

E. Evaluation and Comparison of Bids	
ITB 37.1	<p>The currency that shall be used for Bid evaluation and comparison purposes to convert all Bid Prices expressed in various currencies into a single currency is: Philippine Peso.</p> <p>The source of exchange rate shall be: Bangko Sentral ng Pilipinas (BSP, the Central Bank of the Philippines)</p> <p>The date for the exchange rate shall be: 19 May 2021. In the event of non-availability of exchange rate in the BSP website due to non-working days, the Bidder shall apply the exchange rate of the following working day.</p>

ATTACHMENT-1 TO THE BID DATA SHEET

TEMPLATE FOR CLARIFICATIONS

THE MALOLOS – CLARK RAILWAY PROJECT AND THE NORTH SOUTH RAILWAY PROJECT-SOUTH LINE (COMMUTER)	
CP NS-01: E&M SYSTEMS AND TRACK WORKS	
Name of Prospective Bidder:	<i>[Insert name of prospective bidder]</i>
Date:	<i>[Insert date of submission of queries/comments]</i>

Item No.	Volume & Section No.	Page No.	Clause No. / Title	Reference Text <i>(if necessary)</i>	Clarification Request	Proposed Revised Text <i>(if any)</i>
1						
2						
3						
4						
5						

Note:

1. The submission of the clarification shall be in hardcopy and editable soft copy to PS-DBM.

ATTACHMENT-2 TO THE BID DATA SHEET

GUIDELINES FOR THE SITE VISIT

I. SITE VISIT CONDUCTED BY THE EMPLOYER

A site visit conducted by the Employer may be held if so requested by the Bidders.

II. REQUEST FOR AUTHORITY TO CONDUCT SITE VISIT

1. Site visits/visual inspections shall be only between the hours of 8:00 AM to 5:00 PM during weekdays, up until seven (7) calendar days before the Bid submission date.
2. A Bidder who wishes to participate in site visits shall address its request to the Chairperson, Bids and Awards Committee (BAC) for CP NS-01. Such request must be accompanied by a duly accomplished Confirmation Form.
3. The Confirmation Form shall be submitted to the Procurement Service (PS) BAC through its Secretariat in writing at least three (3) working days before the desired date for the site visit, or requested by fax or email. The following are the applicable contact numbers:

CHAIRPERSON

BIDS AND AWARDS COMMITTEE for CP NS-01

*PS Complex, RR Road, Cristobal Street,
Paco, Manila 1007, Philippines*

Telephone No.: 8689-7750 and 8689-7751

Email Address: psdotr_cpns01@ps-philgeps.gov.ph

4. Only formal requests for site visits, duly received by the PS BAC, will be processed.
5. The PS BAC will forward a copy of the request, including the duly accomplished Confirmation Form, to the Department of Transportation (DOTr) End-User.
6. A maximum of eight (8) representatives per Bidder will be allowed to join the site visit. In the absence of any of the representatives indicated in the Confirmation Form, alternate representatives may be allowed to join the site visit in place of the absent representatives.
7. Due to COVID-19, access to PNR property is restricted. All visitors are required to make application for a COVID19 Work Access Permit. Bidders shall comply with the necessary procedure to obtain this permit as required by PNR for access to PNR property.

III. ATTIRE

Bidders' representatives who will be joining the site visit are encouraged to wear appropriate attire, including the following (according to the nature and location of the visit):

1. safety helmet, safety vest, and non-slip safety shoes or rubber boots; and
2. working overalls or similar attire - loose casual clothing should be avoided as much as possible.

IV. CONDUCT OF SITE VISIT / INSPECTION

1. Duly designated authorized PS/DOTr-PNR and other appropriate personnel will assist in the conduct of the site visit.
2. PS/DOTr-PNR personnel, including its contractors and service providers who are working on-site, as well as the members of the BAC, the Technical Working Group (TWG), BAC Secretariat and DOTr End-User unit, will not entertain and answer questions from Bidders. Bidders are therefore advised to send their queries in writing and address the same to the PS BAC Chairperson.
3. The requested activity as well as the personnel involved therein must not in any way impede or interfere with the normal operations and maintenance of the PNR, the activities of the PNR personnel, and/or the normal movements of the PNR passengers.
4. In order to facilitate the orderly conduct of the site visit and for easy mobility, bidders are encouraged not to bring heavy or bulky materials, equipment or gadgets. The materials, equipment or gadgets in the list submitted by the Bidder will be subject to the inspection and approval of the PNR prior to entry in the PNR premises.
5. In case any activity is conducted inside the train, the Bidder's personnel must not tamper with, handle or operate train controls at any time.
6. All representatives involved in the activity must log-in/log-out with the designated security personnel and wear proper identification tags at all times while inside the PNR premises.
7. Taking of videos and photographs during the site visit is allowed, provided that these shall only be used by the Bidders, and only for purposes of the subject procurement process.
8. The "NO-SMOKING, NO-EATING/DRINKING, AND NO-LITTERING" policy inside the PNR premises shall be strictly observed. The Bidders' representatives shall ensure that the activity area is clean and in order upon leaving the premises. All waste materials used by the Bidders' representatives must be completely cleaned up and brought out of the PNR premises by the said representatives.
9. Each Bidder shall be responsible for the conduct of its representative(s) at all times. Bidders shall not hold DOTr-PNR liable for any injury or loss suffered by them or their personnel while inside the PNR premises. However, any damage or loss suffered by the DOTr-PNR as a result of the actions of the Bidder's personnel shall be charged against the offending Bidder.

10. Bidders are not allowed to request for documents, records manuals and the like during the site visit. All documents, record manuals, and similar documents, if required, must be requested in writing and addressed to the PS BAC, and they may be issued through a supplement/bid bulletin in the websites of the PS, DOTr and PNR, if PS or DOTr considers it appropriate to issue them.
11. Minutes of the site visit will not be prepared. Any statement made by any official, employee, personnel and/or contractor of PS, DOTr, PNR or any of their personnel shall not be binding nor render any effect with respect to the subject procurement process or project unless the same is addressed or contained in a duly promulgated supplement/bid bulletin.
12. Unless otherwise amended by a subsequent version, the provisions in these guidelines shall continue to apply.
13. Due to COVID-19, access to PNR property is restricted. All visitors are required to make application for a COVID-19 Work Access Permit using the link below. Bidder shall comply with the necessary procedure to obtain this permit.

http://www.pnr.gov.ph/images/Forms/PNR_COVID19_Work_Access_Permit_Application_Form-2.pdf

FORM A

CONFIRMATION FORM

**THE MALOLOS-CLARK RAILWAY PROJECT AND
 THE NORTH SOUTH RAILWAY PROJECT-SOUTH LINE (COMMUTER)
 CONTRACT PACKAGE CP NS-01: E&M SYSTEMS AND TRACK WORKS**

Bidder's Name: _____

The Bidder hereby nominates the following authorized representative/s to participate in the site visit for the above-mentioned project and undertakes to abide by the Guidelines for the Site Visit as provided by PS, and DOTr-PNR.

List of Personnel to Enter the Facility

Maximum of eight (8) representatives per Bidder

	NAME	DESIGNATION	EMAIL ADDRESS	CONTACT NO.
1				
2				
3				
4				
5				
6				
7				
8				

Alternate Representatives

(In the absence of the above-mentioned representatives):

	NAME	DESIGNATION	EMAIL ADDRESS	CONTACT NO.	SIGNATURE
1					
2					
3					
4					

List of Materials/Equipment/Gadget to be Brought into the Facility by the Bidder

LIST OF ITEMS/MATERIALS/EQUIPMENT/GADGETS	
1	
2	
3	
4	

 Name and Signature of Authorized Representative

 Date

Attachments:
 Copy of a name card of each representative.

ATTACHMENT-3 TO THE BID DATA SHEET

TEMPLATE FOR VISA ISSUANCE AND ENTRY PERMITS FOR BIDDERS PARTICIPATING IN ONGOING PROCUREMENTS FOR DOTR RAILWAYS SECTION PROJECT

No.	Name of Project	Contract Package, if applicable	Name of Company	Name of Personnel	Position	Nationality	Origin Country	Date of last entry in the Philippines	Place to lodge Visa	Type of Visa Application/Holder/ Indicate if it's renewal	Reason for re-entry	Contract person of the arriving passenger, or focal person in the Philippines
1.												
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.												
12.												
13.												
14.												
15.												

**SECTION III. EVALUATION AND QUALIFICATION CRITERIA
(EQC)**

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EVALUATION AND QUALIFICATION CRITERIA (EQC)

For the purposes of this bidding process, the Procurement Service, as the Employer’s Procuring Agent, shall carry out the evaluation of Bids, the results of which shall be subject to the Employer’s approval.

1. Evaluation Procedure

1.1 The Bids shall be evaluated and compared through the following steps as specified in ITB 31 through ITB 39. The Employer’s determination of a Bid’s responsiveness will be based on the contents of the Bid submitted by the Bidder as specified in ITB 11.2 and 11.3.

Step 1: Preliminary Examination of Technical Bids, and Eligibility and Qualification of Bidders

Step 2: Determination of Responsiveness and Detailed Evaluation of Technical Bids

Step 3: Evaluation of Price Bid and Comparison of Bids

Step 4: Ranking of Bids

1.2 Step-1: Preliminary Examination of Technical Bids, and Eligibility and Qualification of Bidders, will consist of checking the Bids to confirm their compliance with the requirements of the Bidding Documents.

1.3 Step-2: The technical appropriateness and viability of the Bids will be evaluated based on the contents of the Bid itself, using the “PASS or FAIL” method.

1.4 Step-3: The Price Bids of only those Bidders whose Technical Bids comply with the requirements of the Bidding Documents (as determined under Step 1 and Step 2 described above) will be opened and evaluated. Bids that do not so comply will be rejected. The financial and commercial aspects of the Bids will be examined to ascertain the reasonability, balance and correct calculation of Bid Prices and the evaluated Bid amount.

1.5 Step-4: Each of the Bids that pass the above evaluation steps will be ranked in order of the evaluated Bid amount.

2. Step 1: Preliminary Examination of Technical Bids, and Eligibility and Qualification of Bidders

2.1 Preliminary Examination

Preliminary Examination of Technical Bids and Eligibility and Qualification of Bidders will consist of checking the Technical Bids to confirm their compliance with the requirements of the Bidding Document in the following respects:

- (a) Prerequisites for rejection of Bids;
- (b) Completeness and responsiveness of Technical Bids; and

(c) Eligibility and Qualification of the Bidders.

A substantially responsive Bid is one that meets the requirements of the Bidding Document without material deviation, reservation, or omission. A deviation, reservation, or omission is as defined in ITB 30.

Provided that a Bid is substantially responsive, the Employer may waive any non-conformities in the Technical Bid that do not constitute a material deviation, reservation, or omission.

2.2 Prerequisites for Rejection of Bids.

In accordance with ITB 31.2, if any of the following documents or information is missing, the Bid shall be rejected:

- (1) Letter of Technical Bid;
- (2) written confirmation of authorization to commit the Bidder;
- (3) Bid Security; and
- (4) Technical Proposal.

2.3 Completeness and Responsiveness of Technical Bids.

In accordance with ITB 31.1, the Employer will examine each Technical Bid to confirm that all documents and technical documentation requested in ITB 11.2 have been provided, and to determine the completeness and responsiveness of each document submitted.

Completeness and responsiveness of Technical Bids will be assessed according to the following major criteria, and any Technical Bids that do not conform to any of these criteria may be considered as non-responsive, and eliminated from further evaluation. Provided that a Technical Bid is substantially responsive, the Employer may waive any non-conformities in the Technical Bid that do not constitute a material deviation, reservation or omission, subject to the valid clarification by the Bidder upon request by the Employer.

- (1) The Bid must be submitted in the required number of originals and number of copies.
- (2) The Bid shall comprise the document/information requested in accordance with ITB 11.2.
- (3) All the Bidding Forms and Documents are completely filled in by the Bidder. All pages of the Bidding Forms shall be signed or initialed by the Bidder's Authorized Representative as required.
- (4) A Bid submitted by a Joint Venture shall include the Joint Venture (JV) Agreement or the letter of intent to execute a JV Agreement, including a copy of the draft thereof, in accordance with ITB 11.2(e). The JV Agreement must specify the authorities, obligations, portions of works to be performed and their intended percentages and financial participation of each member of the JV.
- (5) The Bid Security must be in compliance with requirements on validity period, value and currency as required under ITB 21, stating the name of the Bidder and certified by an authorized signatory of the guarantor.

2.4 Eligibility and Qualification of Bidder

2.4.1 Eligibility of Bidder

The Bidder must satisfy all requirements under ITB 4, otherwise the Bid will be rejected.

2.4.2 Qualification of Bidder

The Bidder shall meet the minimum requirements regarding Eligibility, Historical Contract Non-Performance, Financial Situation and Experience for the qualifying criteria using the forms included in Section IV Bidding Forms. The method entails setting pass-fail criteria and, if it is found that any Bidder does not meet the minimum thresholds criteria specified in EQC 2.5 (Compliance Requirements), its Bid will be rejected.

2.4.3 Exchange Rate for Qualification Criteria

Wherever the Bidder is required to indicate the USD equivalent for a monetary amount given in another currency for the purposes of completing the forms in “D. BIDDER’S QUALIFICATION FORMS” (under SECTION IV BIDDING FORMS), the rate of exchange to be used shall be determined as follows:

- (a) For turnover or financial data required for each year – the exchange rate prevailing on the last day of the respective calendar year.
- (b) For the value of a single contract – the exchange rate prevailing on the date of the contract.

Exchange rates shall be taken from the publicly available source **identified in BDS 37.1** or, in the case that such rates are not available in the source identified therein, any other publicly available source acceptable to the Employer. Any error in determining the exchange rates may be corrected by the Employer.

2.5 Compliance Requirements

Eligibility and Qualification Criteria			Compliance Requirements				Documentation
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
1. Eligibility							
1.1	Nationality	Nationality in accordance with ITB 4.3	Must meet requirement	N/A	Must meet requirement	N/A	Forms ELI –1 and ELI-2, with attachments
1.2	Conflict of Interest	No conflicts of interests as described in ITB 4.2	Must meet requirement	N/A	Must meet requirement	N/A	Letter of Technical Bid
1.3	JICA Ineligibility	Not having been declared ineligible by JICA, as described in ITB 4.4	Must meet requirement	N/A	Must meet requirement	N/A	Letter of Technical Bid Form ACK

Eligibility and Qualification Criteria			Compliance Requirements				Documentation
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
2. Historical Contract Non-Performance							
2.1	History of Non-Performing Contracts	Non-performance of a contract ⁽ⁱ⁾ did not occur as a result of contractor’s default since 1st January 2020 .	Must meet requirement ⁽ⁱⁱ⁾	N/A	Must meet requirement ⁽ⁱⁱ⁾	N/A	Form CON
2.2	Pending Litigation	All pending litigation shall in total not represent more than one hundred percent (100%) of the Bidder’s net worth and shall be treated as resolved against the Bidder.	Must meet requirement ⁽ⁱⁱ⁾	N/A	Must meet requirement ⁽ⁱⁱ⁾	N/A	Form CON
2.3	Litigation History	No consistent history of court/arbitral award decisions against the Bidder ⁽ⁱⁱⁱ⁾ since 1st January 2016 .	Must meet requirement ⁽ⁱⁱ⁾	N/A	Must meet requirement ⁽ⁱⁱ⁾	N/A	Form CON
<p><u>Notes for the Bidder:</u></p> <p>(i) Non-performance, as decided by the Employer, shall include all contracts:</p> <p>(a) where non-performance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and</p> <p>(b) that were so challenged but fully settled against the contractor.</p> <p>Non-performance shall not include contracts where Employer’s decision was overruled by the dispute resolution mechanism. Non-performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted.</p> <p>(ii) This requirement also applies to contracts executed by the Bidder as a JV member.</p> <p>(iii) The Bidder shall provide accurate information on the related Bidding Form about any litigation or arbitration resulting from contracts completed or ongoing under its execution over the last five (5) years. A consistent history of awards against the Bidder or any member of a joint venture may result in rejection of the Bid.</p>							

Eligibility and Qualification Criteria			Compliance Requirements				Documentation
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
3. Financial Situation							
3.1	Financial Performance	The audited balance sheets or, if not required by the laws of the Bidder's country, other financial statements acceptable to the Employer, for the last five (5) years shall be submitted and must demonstrate the current soundness of the Bidder's financial position and indicate its prospective long-term profitability. As the minimum requirement, a Bidder's net worth calculated as the difference between total assets and total liabilities should be positive.	Must meet requirement	N/A	Must meet requirement	N/A	Form FIN – 1 with attachments
3.2	Average Annual Turnover	Minimum average annual turnover of Nine Hundred Million US Dollars (US\$900,000,000) , calculated as total certified payments received for contracts in progress and/ or completed within the last five (5) years , divided by five (5) years .	Must meet requirement	Must meet requirement	Must meet twenty five percent (25%) of the requirement	Must meet forty percent (40%) of the requirement	Form FIN – 2
3.3	Financial Resources	(i) The Bidder shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance	Must meet requirement	Must meet requirement	Must meet twenty five percent (25%) of the requirement	Must meet forty percent (40%) of the requirement	Form FIR – 1

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		payment) sufficient to meet the cash flow requirements estimated as Two Hundred Twenty Million US Dollar (USD 220,000,000) for the subject contract(s) net of the Bidder’s other commitments.					
		(ii) The Bidder shall also demonstrate, to the satisfaction of the Employer, that it has adequate sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.	Must meet requirement	Must meet requirement	N/A	N/A	Form FIR – 1 and Form FIR – 2

Eligibility and Qualification Criteria			Compliance Requirements				Documentation
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
4. Experience							
4.1	General Experience	Experience under contracts in the role of prime contractor (single entity or JV member), subcontractor, or management contractor ⁽ⁱ⁾ for at least the last ten (10) years, starting 1st January 2010 .	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP – 1
4.2 (a)	Specific Experience	A minimum number of two (2) similar contracts ⁽ⁱⁱ⁾ that has been satisfactorily and/or substantially ⁽ⁱⁱⁱ⁾ completed as a prime contractor (single entity or JV member) ^(iv) subcontractor, or management contractor ⁽ⁱ⁾ between 1st January 2005 and the Bid submission deadline.	Must meet requirement (can be a specialist subcontractor ^(vi))	Must meet requirement (can be a specialist subcontractor ^(vi))	N/A	N/A	Form EXP – 2 (a)
4.2 (b)		For the above or other contracts for an urban railway project that have been satisfactorily and/or substantially completed, and under implementation as prime contractor (single entity or JV member) ^(v) , subcontractor, or management contractor ⁽ⁱ⁾ between 1st January 2005 and the Bid submission deadline, a minimum experience of designing, executing, testing, training and commissioning in the following key activities directly performed by such firm	Must meet requirement (can be a specialist subcontractor ^(vi))	Must meet requirement (can be a specialist subcontractor ^(vi))	N/A	N/A	Form EXP – 2 (b)

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		and successfully and/or substantially completed: 1) Minimum of one (1) contract for European Train Control System (ETCS) Level 2 Signaling System that shall have been commercially proven in-service with an operating speed of 120 km/hr; 2) Minimum of one (1) contract for Telecommunications including Backbone Transmission System, Radio System, Voice and Data System, CCTV System, Passenger Information Display System, Public Address System, Master Clock and Time Server System, Meteorological and Seismic Monitoring System. 3) Minimum of one (1) contract for Power Supply System of an electrified commuter rail system. 4) Minimum one (1) contract for Power Distribution System. 5) Minimum of one (1) contract for DC Overhead Contact Line (Catenary) System. 6) Minimum of one (1) contract for Track Works laying at least 50kg/m rail, and more than 5 km in aggregate measured in					

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		terms of linear track. 7) Minimum of one (1) contract for Contactless Level 0-4 Automatic Fare Collection System of a commuter rail system. 8) Minimum of one (1) contract for the supply, installation, testing, commissioning and maintenance of complete workshop depot equipment, devices and facilities for Rolling Stock and related systems interfaces; for example; Light Repair Shop, Unscheduled Repair Shop, Wheel Re-profiling Shop, Underfloor Cleaning Shop, Bogie Removal/Installation Shop, Car Body Shop, Traction Motor Shop, Bogie Shop, Tight Lock Coupler and Draft Gear Shop, Air Conditioner Shop, Electric Parts Shop, Mechanical Shop, Wheel Set Shop, Bearing Shop, Spring, Air Spring, Brake Parts and Iron Workshop; Air Brake Valve Shop, Final Adjustment Shop, Warehouse, Compressor Room, Weather Proof Testing, Car washing, Shunting Locomotive, maintenance management system, common use and tools; and 9) Minimum of two (2) contracts for Platform Screen Doors.					

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Factor	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		10) Minimum of two (2) contracts for Computerized Maintenance Management Systems for railway system maintenance.					

Notes for the Bidder:

- (i) A management contractor is a firm which takes on the role of contract management, managing other contractors doing the work. It does not normally perform directly the work(s) associated with the contract. Rather, it manages the work of other (sub) contractors while bearing full responsibility and risk for price, quality, and timely performance of the contract.
- (ii) The term “similar contract” shall mean a design-build contract consisting of design, procurement, supply, installation, inspection, testing and commissioning and delivery of the electrical and mechanical railway systems/subsystems including signaling, telecommunications, power supply and distribution and electric supply to rolling stock, for an urban railway project including MRT, LRT or HSR (high speed rail) with minimum designed transportation capacity of 6,000 pax/direction/hour and over.
- (iii) The term “satisfactorily completed” means that the works under such contract has been completed and the Taking-Over Certificate or Completion Certificate for the works has been issued by the Employer/Engineer, or other similar evidence has been issued. The term “substantially completed” means the work under the contract has been completed eighty percent (80%) or more based on value of the relevant works without considerable defects which shall be certified by the Employer. A copy of the certificate or other evidence shall be attached to Form EXP-2 (a)
- (iv) For contracts under which the Bidder participated as a JV member, only the Bidder’s share in the scope of works, shall be considered to meet this requirement.
- (v) For contracts under which the Bidder participated as a JV member or subcontractor, only the Bidder’s designated scope of works under the contracts, shall be considered to meet this requirement.
- (vi) The specialist subcontractor must satisfy the experience requirement of the same as prime contractor or subcontractor specified in Criteria Item No.4.1.

3. Step 2: Determination of Responsiveness and Detailed Evaluation of Technical Bids

3.1 Procedure for Technical Evaluation

The Technical Bid’s responsiveness will be determined by the evaluation of Technical Proposal submitted by the Bidder. The evaluation will be made based on the following main evaluation items on a “PASS or FAIL” method.

No.	Main Evaluation Items	Document to be Examined (Appendix to Technical Proposal)
1	Program	Appendix 7.1: Proposed Bid Program
2	Project Management and Organization of Personnel	Appendix 7.2 : Proposed Project Management and Organization of Personnel
3	Method of Implementation of the Works	Appendix 7.3: Proposed Method of Implementation of the Works
4	Plant and Equipment	Appendix 7.4 Major Plant and Equipment Intended to Mobilize at Site
5	Subcontractors/Manufacturers	Appendix 7.5 Proposed Subcontractors/Manufacturers for Major Items of Plant and Installation Services
6	Work Management Plan	Appendix 7.6 Outline Work Management Plan
7	Compliance Matrix	Appendix 7.7 Compliance Matrix
8	Supply Source of Spare Parts	Appendix 7.8 Supply Source of Major Spare Parts, Consumables and Special Tools, Jigs and Test Equipment
9	Japanese Origin of Plant, Materials and Services	Appendix 7.9 Japanese Origin of Plant, Materials and Services

3.2 Detailed Evaluation Criteria

If the Employer determines that all items and all sub-items are substantially responsive to the requirement of the Bidding Documents, then the Bidder’s Technical Bid will be acceptable. If the Employer determines that any one item or any one sub-item is not substantially responsive to the requirement of the Bidding Documents, then the Bidder’s Technical Bid will not be acceptable, and the evaluation process will be stopped at this technical detailed evaluation step, and that Bid will be rejected.

A substantially responsive Technical Bid is one that meets the requirements of Bidding Documents without material deviation, reservation, or omission, as referred to in ITB 33.2.

No.		Evaluation Items/Sub Items										
1		Proposed Bid Program										
	1.1	Proposed Works Program										
		1.1.1	Compliance with Time for Completion for each Section and the whole of the Works									
		1.1.2	Compliance with Time for Achieving Key Dates									
		1.1.3	Appropriation of Construction Period of Each Work Item									
		1.1.4	Appropriateness of Work Sequence and Correlation among Work Items									
	1.2	Proposed Design Submission Program										
		1.2.1	Appropriateness of period of Each Design Stages									
		1.2.2	Appropriateness of Design Sequence and Correlation with Manufacturing Activities									
2		Proposed Project Management and Organization of Personnel										
	2.1	Proposed Project Management Organization										
		2.1.1	Appropriateness of Project Organization Chart									
		2.1.2	Adequacy of facility to carry out the Bidder’s defect liability and spare parts stocking obligations prescribed in the Contract									
	2.2	Proposed Key Personnel										
		<p>The Bidder must demonstrate that it has the personnel for the key positions that meet the following requirements:</p> <table border="1"> <thead> <tr> <th>Position</th> <th>Total Work Experience</th> <th>Experience in Railway Project</th> </tr> </thead> <tbody> <tr> <td>1. Project Manager (PM) 1-PM for all sections</td> <td>20 years</td> <td>10 years for E&M systems works and 2 projects as PM or Deputy Project Manager (DPM) or similar position</td> </tr> <tr> <td>2. Section Manager Minimum 2 Managers: 1 for Section 1 and 2</td> <td>20 years</td> <td>10 years as E&M systems engineer and 2 projects as Deputy Project Manager</td> </tr> </tbody> </table>		Position	Total Work Experience	Experience in Railway Project	1. Project Manager (PM) 1-PM for all sections	20 years	10 years for E&M systems works and 2 projects as PM or Deputy Project Manager (DPM) or similar position	2. Section Manager Minimum 2 Managers: 1 for Section 1 and 2	20 years	10 years as E&M systems engineer and 2 projects as Deputy Project Manager
Position	Total Work Experience	Experience in Railway Project										
1. Project Manager (PM) 1-PM for all sections	20 years	10 years for E&M systems works and 2 projects as PM or Deputy Project Manager (DPM) or similar position										
2. Section Manager Minimum 2 Managers: 1 for Section 1 and 2	20 years	10 years as E&M systems engineer and 2 projects as Deputy Project Manager										

	1 for Section 3 and 4		(DPM) or similar position.
	3. Manager for System Integration Minimum 1 Manager	20 years	10 years as E&M systems engineer and 2 projects as integrator
	4. Technical Director (Railway System) Minimum 1 Manager	15 years	10 years as E&M systems engineer and 2 projects as manager
	5. Track Works Engineer Minimum 1 Manager	15 years	10 years as Track Works engineer in Railway Project
	6. Signaling Engineer Minimum 2 Engineers: 1 for Section 1 and 2 1 for Section 3 and 4	15 years	10 years as Signaling engineer
	7. Telecommunications/SCADA Engineer Minimum 2 Engineers: 1 for Section 1 and 2 1 for Section 3 and 4	15 years	10 years as Telecommunication engineer
	8. Electrical Power/Overhead Contact System Engineer	15 years	10 years as Electrical engineer
	9. Civil Engineering Interface/Coordination Manager Minimum 2 Managers: 1 for Section 1 and 2 1 for Section 3 and 4	10 years	5 years and 1 project as manager
	10. Quality Assurance Manager Minimum 2 Managers: 1 for Section 1 and 2 1 for section 3 and 4	10 years	5 years and 1 project as manager
	11. Health & Safety (Accident Prevention) Officer Minimum 2 Managers: 1 for Section 1 and 2 1 for Section 3 and 4	10 years	5 years and 1 project as manager

		12. System Assurance Manager Minimum 1 Manager	15 years	10 years in System Assurance and 1 project as manager
		<p>With the exception of the Project Manager, the above personnel may be from Specialist Subcontractors.</p> <p>The Bidder shall provide details of the proposed personnel and their experience records in Form PER-1 and PER-2 in Section IV, Bidding Forms.</p>		
		2.2.1 Adequacy of Proposed Key Personnel		
	2.3	Personnel Mobilization Schedule		
		2.3.1 Appropriateness of Mobilization Schedule and Correlation with Work Items		
	2.4	Major Plant and Equipment Mobilization Schedule		
		2.4.1 Appropriateness of Mobilization Schedule and Correlation with Work Items		
3		Proposed Method of Implementation of the Works		
	3.1	Appropriateness of Proposed Method of Implementation of the following Works Activities:		
		3.1.1 General Approach for System Integration and System Assurance		
		3.1.2 Design, Manufacture, Installation and Construction Method of Each System including of migration of all control and monitoring functions to the IOCC.		
		3.1.2.1 Track Works		
		3.1.2.2 Signaling System		
		3.1.2.3 Telecommunications System		
		3.1.2.4 Power Supply System		
		3.1.2.5 Power Distribution System		
		3.1.2.6 Overhead Contact Line System		
		3.1.2.7 Automatic Fare Collection System		
		3.1.2.8 Depot Facility		
		3.1.2.9 Platform Screen Doors		

		3.1.2.10 Computerized Maintenance Management System
		3.1.3 Provision of the data and/or documents for System User Training and Operation Training
		3.1.4 Provision of the data and/or documents for Supplying Spare Parts and Consumables
		3.1.5 Provision of the data and/or documents for Design Life and Required General Overhaul (Renewal) Plan based on Design Life
4		Major Plant and Equipment Intended to Mobilize at Site
	4.1	Adequacy of Plant and Equipment intended to be mobilized at the Site.
5		Proposed Subcontractors/Manufacturers for Major Items of Plant and Installation Services Note: The prime contractor can also be a manufacturer.
	5.1	Key Activities Specified in Item 4.2 (b) in Sub-Clause 2.5 Qualification Criteria: The subcontractors/manufacturers shall be the same specialist subcontractors whose experience in the key activities was evaluated in the assessment of qualification of bidder. 1) Track Works 2) Signaling System 3) Telecommunications System 4) Power Supply System 5) Power Distribution System 6) Overhead Contact Line System 7) Automatic Fare Collection System 8) Supply of Depot Facilities 9) Platform Screen Doors 10) Computerized Maintenance Management System
	5.2	Other major items of plant and installation services not specified in Item 4.2 (b) in Sub-Clause 2.5 Qualification Criteria: The Bidder may propose subcontractors to carrying out other major items of plant and installation services, if any. The Bidder shall provide the information relating to the proposed subcontractors. Minimum Criteria to be met: Ten (10) years works experience of similar works. Failure to comply with the requirements will result in rejection of the proposed Subcontractors. In the case of a Bidder who offers to supply and install major items that the Bidder did not manufacture or otherwise produce, the Bidder shall provide the manufacturer’s authorization, using Form MAN: Manufacturer’s Authorization

		provided in Section IV, Bidding Forms, showing that the Bidder has been duly authorized by the manufacturer or producer of the related plant and equipment or component to supply and install that item in the Employer’s country. The Bidder is responsible for ensuring that the manufacturer or producer complies with the requirements of ITB 4 and ITB 5 and meets the minimum criteria listed above for that item.																																		
		5.2.1 Appropriateness of the proposed subcontractors/ manufacturers.																																		
5.3	Resources of Major Materials	<p>The subcontractors/manufacturers for the following supply must meet the following minimum criteria, herein listed for that item. The Bidder shall provide information relating to any proposed subcontractors/manufacturers.</p> <table border="1"> <thead> <tr> <th>Item No.</th> <th>Description of Item</th> <th>Minimum Criteria to be met</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Heat-treated rail</td> <td rowspan="15">Minimum 10 years manufacturing experience of similar materials.</td> </tr> <tr> <td>2</td> <td>Turnout</td> </tr> <tr> <td>3</td> <td>Distribution Cubicle</td> </tr> <tr> <td>4</td> <td>Feeder</td> </tr> <tr> <td>5</td> <td>Automatic Gate</td> </tr> <tr> <td>6</td> <td>Ticket Vending Machine</td> </tr> <tr> <td>7</td> <td>Backbone System</td> </tr> <tr> <td>8</td> <td>Radio System</td> </tr> <tr> <td>9</td> <td>Dispatcher Communication System</td> </tr> <tr> <td>10</td> <td>Voice and Data System</td> </tr> <tr> <td>11</td> <td>IP Telephone</td> </tr> <tr> <td>12</td> <td>CCTV System</td> </tr> <tr> <td>13</td> <td>Passenger Information Display System</td> </tr> <tr> <td>14</td> <td>Public Address System</td> </tr> <tr> <td>15</td> <td>Time Server and Master Clock System</td> </tr> </tbody> </table>	Item No.	Description of Item	Minimum Criteria to be met	1	Heat-treated rail	Minimum 10 years manufacturing experience of similar materials.	2	Turnout	3	Distribution Cubicle	4	Feeder	5	Automatic Gate	6	Ticket Vending Machine	7	Backbone System	8	Radio System	9	Dispatcher Communication System	10	Voice and Data System	11	IP Telephone	12	CCTV System	13	Passenger Information Display System	14	Public Address System	15	Time Server and Master Clock System
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15	Time Server and Master Clock System																																			

		16	Computer based interlocking	
		17	Automatic Train Protection	
		18	Automatic Traffic Supervision	
		19	Shunting Signal	
		20	Point Machine	
		Failure to comply with this requirement will result in rejection of the proposed subcontractors/manufacturers.		
		5.3.1	Appropriateness of the proposed subcontractors/manufacturers.	
	5.4	<p>Other major materials not specified above: The Bidder may propose subcontractors/manufacturers to procure other major materials, if any. The Bidder shall provide the information relating to the proposed subcontractors/manufacturers.</p> <p>Minimum Criteria to be met: Ten (10) years manufacturing experience of similar materials.</p> <p>Failure to comply with the requirements will result in rejection of the proposed Subcontractors or Manufacturers.</p>		
		5.4.1	Appropriateness of the proposed subcontractors/manufacturers.	
6	Outline Work Management Plan			
	6.1	Outline Quality Management Plan		
		6.1.1	Appropriateness of plan, organization and methodology to manage Quality.	
	6.2	Outline System Assurance Management Plan		
		6.2.1	Appropriateness of plan, organization and methodology to manage System Assurance.	
	6.3	Outline Site Safety Management Plan		
		6.3.1	Appropriateness of plan, organization and methodology to manage Site Safety assurance.	
	6.4	Outline Environmental Management Plan		
		6.4.1	Appropriateness of plan, organization and methodology to manage Environmental control.	
	6.5	Outline Project Management Plan		

		6.5.1 Appropriateness of plan, organization, and methodology for Project Management.
	6.6	Outline Interface Management Plan
		6.6.1 Appropriateness of plan, organization and methodology to manage Interfacing
	6.7	Outline Inspection, Testing and Commissioning Plan
		6.7.1 Appropriateness of plan, organization and methodology to manage Inspection, Testing and Commissioning
	6.8	Outline Training Objectives, Method, Location, and Training Equipment
		6.8.1 Appropriateness of plan, organization and methodology to manage Training
	6.9	Outline Gender Based Violence Action Plan and Code of Conduct
	6.10	Outline Risk Management Plan
	6.11	Specific COVID-19 Risk Management Plan
	6.12	Outline Requirements Management Plan
		6.11.1 Appropriateness of plan, organization and methodology to manage conformity of the requirements and its implementation
7	Compliance Matrix	
	7.1	General Requirements
		7.1.1 Responsiveness to General Requirement
	7.2	Technical Requirements
		7.2.1 Responsiveness to Technical Requirements
		(1) Track Works
		(2) Signaling System
		(3) Telecommunications
		(4) Power Supply System
		(5) Power Distribution System
		(6) Overhead Contact Line System

		(7) Automatic Fare Collection System
		(8) Depot Facility
		(9) Training Facility
		(10) Platform Screen Doors
		(11) Computerized Maintenance Management System
8	Supply Source of Major Spare Parts, Consumables and Special Tools, Jigs and Test Equipment	
	8.1	Appropriateness of a preliminary plan to assist the Employer to develop a supply source of major spare parts, consumables and special tools, jigs and test equipment for after Taking Over of the Works by the Employer.
	8.2	Adequacy of information with regards to particulars and available source of major spare parts, etc.
9	Japanese Origin of Plant, Materials and Services	
	9.1	Establishing the eligibility of Japanese origin of plant, materials and services in accordance with Section V. Eligible Source Countries of Japanese ODA Loans.

4. Step 3: Evaluation of Price Bids and Comparison of Bids

4.1 The Price Bids of only those Technical Bids that comply with the requirement described under Step 1: Preliminary Examination of Technical Bids, and Eligibility and Qualification of Bidders and Step 2: Determination of Responsiveness and Detailed Evaluation of Technical Bids, will be evaluated. The Technical Bid will be rejected otherwise, and the Price Bid will be returned unopened to the Bidder.

4.2 Preliminary Assessment of Price Bids:

The Employer shall examine the Price Bids to confirm that all documents requested in ITB 11.3 have been provided, and to determine the completeness of each document submitted.

Prior to the detailed examination of completeness and responsiveness of a Price Bid, the Employer will confirm that the following documents and information have been provided in the Price Bid:

- (1) Letter of Price Bid
- (2) Schedule 1: Price Schedule
- (3) Schedule 2: Table of Adjustment Data
- (4) Schedule 3: List of Japanese Origin, Goods and Services [With Prices]

If any of the above documents or information is missing, the Bid will be rejected.

The completeness and responsiveness of Price Bids will be assessed according to the following major criteria. Provided that a Bid is substantially responsive, the Employer may waive any non-conformities in the Price Bid that do not constitute a material deviation, reservation or omission, subject to the valid clarification by the Bidder upon request by the Employer.

No.	Evaluation Criteria
1	Validity of the Letter of Price Bid: The Letter of Price Bid must be completed and signed by the Authorized Representative of the Bidder.
2	The Price Bid is valid and submitted in the required number of originals and copies; all copies shall be compared with the original and corrected accordingly.
3	All the Forms and Documents forming part of the Price Bid are completed and signed by Authorized Representative of the Bidder, and submitted with the Price Bid.
4	The Price Bid does not contain any conditions that constitute a material deviation, reservation or omission.

- 4.3 The Employer shall review Form SCJ: Summary for the Total Cost of Goods and Services Procured from Japan, Schedule 2: Table of Adjustment Data, and Schedule 3: List of Japanese Origin, Goods and Services and, if required, the Employer may seek clarification thereof in accordance with ITB 29.
- 4.4 The determination of the evaluated price of the Price Bids shall be conducted in accordance with ITB 36, 37 and 38, and the Price Bids shall then be compared and ranked based on the Evaluated Price Bid Amount obtained in accordance with this process.
- 4.5 Quantifiable Nonmaterial Nonconformities: Pursuant to ITB 34.3 and ITB 38.2(d), the cost of all quantifiable nonmaterial nonconformities or omissions (minor omissions or missing items) shall be evaluated. The Employer may make its own assessment of the cost of any nonmaterial nonconformities and omissions for the purpose of ensuring fair comparison of Bids.

5. Step 4: Ranking of Bids

Based on the results of evaluation and analysis through the successive Step 1: Preliminary Examination of Technical Bids, and Eligibility and Qualification of Bidders; Step 2: Determination of Responsiveness and Detailed Evaluation of Technical Bids; and Step 3: Evaluation of Price Bids and Comparison of Bids described above, the Bids will be ranked in order of Evaluated Bid Amount with the following details:

Ranking	Bidder's Name	Evaluated Price Bid Amount
1 st		(1 st Lowest)
2 nd		(2 nd Lowest)
3 rd		(3 rd Lowest)

The Bidder determined to have submitted the lowest evaluated Bid Price (1st Ranking) will be invited to participate in contract negotiation with the Employer.

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SECTION IV. BIDDING FORMS (BF)

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BIDDING FORMS (BF)

This Section IV contains the documents (forms) that are required to be completed and submitted by the Bidder in respect of both the Technical Bid and the Price Bid and, to facilitate an understanding of the requirements, it has been sub-divided as follows:

A. TABLE OF FORMS

1. Technical Proposal Forms
2. Price Proposal Forms
3. Bidder's Qualification Forms
4. Annexes for Technical Bid Forms

B. TECHNICAL BID FORMS

C. PRICE BID FORMS

D. BIDDER'S QUALIFICATION FORMS

E. ANNEXES FOR TECHNICAL BID FORMS

A listing of the required documents is provided below under the heading 'A. TABLE OF FORMS'.

The documents provided after the Table of Forms contain instructions describing the outline requirements for how the Bidder is required to prepare the statements and/or information to be submitted with its Bid. Where a document within this Section IV is referred to as a 'Schedule', it shall be deemed to be a Schedule falling under the provisions of GC 1.1.1.6.

The forms shall be completed by the Bidder without alteration, omission or addition to the original wording (except to comply with any subsequent instructions issued by the Employer) and submitted as a part of its Bid. Each form shall be filed in the Bid submission documentation in sequential order in accordance with the contents of 'Appendix 9: Bid Submission Index' provided under 'B. TECHNICAL BID FORMS'.

A. TABLE OF FORMS

1. Technical Proposal Forms

The requirements for the documentation to be submitted by the Bidder for the Technical Bid are as set out in ITB 11.2 and, additionally, in ITB 11.2(1) under the BDS.

The documents as listed immediately below are provided under the sub-division ‘B. TECHNICAL BID FORMS’ hereinafter. Those documents are intended to guide and assist the Bidder in the compilation of its Technical Bid. In some of those documents reference is made to specific forms that are provided under the sub-division ‘E. ANNEXES FOR TECHNICAL BID FORMS’ hereinafter.

Letter of Technical Bid

Appendices

Appendix 1: Bid Security

Appendix 2: Acknowledgement of Compliance with Guideline for Procurement under Japanese ODA Loans

Appendix 3: Declaration as to the Origin of Goods and Services and Eligibility of Subcontractors/Suppliers

Appendix 4: Written Confirmation Authorizing the Signatory of the Bid to Commit the Bidder

Appendix 5: A Copy of the JV Agreement or Letter of Intent, in the case of a Bid Submitted by a JV

Appendix 6: Documentary Evidence Establishing the Bidder’s Eligibility and Qualifications to Perform the Contract

Appendix 7: Technical Proposal

Appendix 7.1: Proposed Bid Program

- Proposed Works Program
- Proposed Design Submission Program

Appendix 7.2: Proposed Project Management and Organization of Personnel

- Proposed Project Management Organization
- Proposed Key Personnel
- Personnel Mobilization Schedule
- Major Plant and Equipment Mobilization Schedule

Appendix 7.3: Proposed Method of Implementation of the Works

Appendix 7.4: Major Plant and Equipment Intended to Mobilize at Site

Appendix 7.5: Proposed Subcontractors/Manufacturers for Major Items of Plant and Installation Services

Appendix 7.6: Outline Work Management Plan

- Outline Quality Management Plan

- Outline System Assurance Management Plan
- Outline Site Safety Management Plan
- Outline Environmental Management Plan
- Outline Project Management Plan
- Outline Interface Management Plan
- Outline Inspection, Testing and Commissioning Plan
- Outline Training Objective, Methods, Locations and Training Equipment
- Outline Gender Based Violence Action Plan and Code of Conduct
- Outline Risk Management Plan
- Specific COVID-19 Risk Management Plan
- Outline Requirements Management Plan
- Outline Detailed Work Program (Project Implementation Plan)
- Outline Design Submission Program

Appendix 7.7: Compliance Matrix

Appendix 7.8: Supply Source of Major Spare Parts, Consumables and Special Tools, Jigs and Test Equipment

Appendix 7.9: Japanese Origin of Plant, Materials and Services

Appendix 8: Undertaking on Copyright

Appendix 9: Bid Submission Index

2. Price Proposal Forms

The requirements for the documentation to be submitted by the Bidder for the Price Bid are as set out in ITB 11.3 and, additionally, in ITB 11.3(1) under the BDS.

The documents as listed immediately below are provided under the sub-division ‘C. PRICE BID FORMS’ hereinafter, and they set out the specific requirements for what needs to be included in the Bidder’s Price Bid:

Letter of Price Bid

Schedule 1: Price Schedule

Preambles

Schedule 1: Price Schedules Schedule 1.1: Price Schedule for Section 1

Schedule 1.1-1: General Items

Schedule 1.1-2 to Schedule 1.1.10: Not used.

Schedule 1.1-11: Platform Screen Doors

Schedule 1.1-12: Not used.

Total for Schedule 1.1

Schedule 1-2: Price Schedule for Section 2

Schedule 1.2-1: General Items
Schedule 1.2-2: Track Works
Schedule 1.2-3: Signaling System
Schedule 1.2-4: Telecommunications
Schedule 1.2-5: Power Supply System
Schedule 1.2-6: Power Distribution System
Schedule 1.2-7: Overhead Contact Line System
Schedule 1.2-8: Automatic Fare Collection System
Schedule 1.2-9: Depot Facility
Schedule 1.2-10: Training Facility
Schedule 1.2-11: Platform Screen Doors
Schedule 1.2-12: Computerized Maintenance Management System
Total for Schedule 1.2

Schedule 1-3: Price Schedule for Section 3

Schedule 1.3-1: General Items
Schedule 1.3-2: Track Works
Schedule 1.3-3: Signaling System
Schedule 1.3-4: Telecommunications
Schedule 1.3-5: Power Supply System
Schedule 1.3-6: Power Distribution System
Schedule 1.3-7: Overhead Contact Line System
Schedule 1.3-8: Automatic Fare Collection System
Schedule 1.3-9: Not used.
Schedule 1.3-10: Not used.
Schedule 1.3-11: Platform Screen Doors
Schedule 1.3-12: Computerized Maintenance Management System
Total for Schedule 1.3

Schedule 1-4: Price Schedule for Section 4

Schedule 1.4-1: General Items
Schedule 1.4-2: Track Works
Schedule 1.4-3: Signaling System
Schedule 1.4-4: Telecommunications
Schedule 1.4-5: Power Supply System
Schedule 1.4-6: Power Distribution System
Schedule 1.4-7: Overhead Contact Line System
Schedule 1.4-8: Automatic Fare Collection System
Schedule 1.4-9: Depot Facility
Schedule 1.4-10: Not used.
Schedule 1.4-11: Platform Screen Doors

Schedule 1.4-12: Computerized Maintenance Management System

Total for Schedule 1.4

Schedule 1.5: Daywork Schedule – Not used.

Schedule 1.6: Provisional Sums

Schedule 1.7: Option for Automatic Train Operation Function

Schedule 1.8: Capital Spares

Grand Summary

Summary Sheets for Schedules 1.1, 1.2, 1.3 and 1.4

Schedule 2: Table of Adjustment Data

Table A: Local Currency (LC)

Table B: Foreign Currency (FC)

Schedule 3: List of Japanese Origin, Goods and Services [with prices]

Form SCJ: Summary for the Total Cost of Goods and Services Procured from Japan

Form DEC: Declaration as to the Origin of Goods and Services and Eligibility of Subcontractors/Suppliers

3. Bidder's Qualification Forms

The documents as listed immediately below are provided under the sub-division 'D. BIDDER'S QUALIFICATION FORMS' hereinafter, and they set out the specific requirements for what needs to be included in the Bidder's Technical Bid in respect of qualification of the Bidder:

Form ELI-1: Bidder Information

Form ELI-2: Bidder's Party Information

Form CON: Historical Contract Non-Performance

Form FIN-1: Financial Situation

Form FIN-2: Average Annual Turnover

Form FIR-1: Financial Resources

Form FIR-2: Current Contract Commitments

Form EXP-1: General Experience

Form EXP-2(a): Specific Experience

Form EXP-2(b): Experience in Key Activities

4. Annexes for Technical Bid Forms

The documents as listed immediately below are provided under the sub-division 'E. ANNEXES FOR TECHNICAL BID FORMS' hereinafter, which set out the specific requirements for what is to be included in the Bidder's Technical Bid to accompany the Technical Bid Forms:

Form PER-1: Proposed Personnel

Form PER-2:	Resume of Proposed Personnel
Form EQU:	Equipment
Form SUB:	Proposed Subcontractors/Manufacturers for Major Items of Plant and Installation Services
Form MAN:	Manufacturer’s Authorization
Form CM:	Compliance Matrix
Form SPA:	Spare Parts (Not Used)
Form SPA-1:	Contractor’s List of Proposed Spare Parts
Form SPA-2:	Capital Spares
Form ELG:	Japanese Origin of Plant, Materials and Services [Without Prices]
Form ACK:	Acknowledgement of Compliance with the Guidelines for Procurement under Japanese ODA Loans
	Form of Bid Security (Bank Guarantee)
	Form of Bid Security (Bid Bond)

SECTION IV. BIDDING FORMS (BF)
B. TECHNICAL BID FORMS

LETTER OF TECHNICAL BID

Date: *[insert date of Bid submission]*

Loan Agreement No.: PH-P270

IFB No.: 21-040-3

To: Engr. Jaime M. Navarrete, Jr.

THE CHAIRPERSON

Bids and Awards Committee for CP NS-01

Procurement Service

PS Complex, RR Road

Cristobal Street, Paco

Manila 1007

Philippines

We, the undersigned, declare that:

- (a) We have examined and have no reservations in regard to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB 8): *[insert the number and issuing date of each Addendum]*;
- (b) We, including any Subcontractors/Manufacturers, for any part of the Contract, meet the eligibility requirements in accordance with ITB 4 and ITB 5;
- (c) We, including any Subcontractors/manufacturers, for any part of the Contract, have no conflict of interest in accordance with ITB 4;
- (d) We offer to design, manufacture, factory test, ship, deliver, install, inspect, pre-commission, test and commission, and train, in conformity with the Bidding Documents, the following Works:

Contract Package CP NS-01: Procurement of the E&M Systems and Track Works consisting of track works, signaling, telecommunications, power supply, power distribution, overhead contact line, operation control center, automatic fare collection system, platform screen doors, depot facility, workshop equipment, maintenance and repair equipment, training center facilities, computerized maintenance management system and others;
- (e) Our Bid shall be valid for a period of two hundred ten (210) days from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) We are not participating, as a Bidder or as a Subcontractor/Manufacturer, in more than one Bid in this bidding process in accordance with ITB 4.2 (c); and
- (g) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption.

Name of the Bidder**[insert complete name of the Bidder]*

Name of the person duly authorized to sign the Bid on behalf of the Bidder** *[insert complete name of person duly authorized to sign the Bid]*

Title of the person signing the Bid *[insert complete title of the person signing the Bid]*

Signature of the person named above *[insert signature of person whose name and capacity are shown above]*

Date signed *[insert date of signing]* day of *[insert month]*, *[insert year]*

** In the case of the Bid submitted by a Joint Venture specify the name of the Joint Venture as Bidder.*

*** The person signing the Bid shall have the power of attorney given by the Bidder (to be attached with the Bid).*

APPENDIX 1: BID SECURITY

In accordance with ITB 21, the Bidder shall furnish as a part of its Bid, a Bid Security in the amount and currency specified in the BDS. The Bid Securities shall be in the form: (a) either an unconditional bank guarantee or bid bond, as annexed to these Bidding Forms, issued by a bank or financial institution, or (b) an irrevocable letter of credit, or (c) a cashier's or certified check, payable to "PROCUREMENT SERVICE". If the required Bid Security is missing, the Bid will be rejected.

APPENDIX 2: ACKNOWLEDGEMENT OF COMPLIANCE WITH GUIDELINES FOR PROCUREMENT UNDER JAPANESE ODA LOANS

The Bidder shall complete the form of Acknowledgement of Compliance with Guidelines for Procurement under Japanese ODA Loans (**Form ACK**), which is annexed to these Bidding Forms, and furnish it as a part of its Bid. The Form ACK must be completed without any alteration to the text and no substitutes shall be accepted, except as provided under ITB 22.2. All blank spaces shall be filled in with the information requested.

APPENDIX 3: DECLARATION AS TO THE ORIGIN OF GOODS AND SERVICES AND ELIGIBILITY OF SUBCONTRACTORS/SUPPLIERS

The Bidder shall complete the form of Declaration as to the Origin of Goods and Services and Eligibility of Subcontractor/Supplier (**Form DEC**), which **is** annexed to these Bidding Forms, and furnish it as a part of its Bid. The Form DEC must be completed without any alteration to the text, and no substitutes shall be accepted except as provided under ITB 22.2. All blank space shall be filled in with the information requested.

APPENDIX 4: WRITTEN CONFIRMATION AUTHORIZING THE SIGNATORY OF THE BID TO COMMIT THE BIDDER

The Bidder shall furnish as a part of its Bid the authorization to represent the firm to commit the Bidder in accordance with ITB 22.2. This authorization shall consist of a written confirmation as specified in the BDS. If a written confirmation of authorization to commit the Bidder is missing, its Bid will be rejected.

APPENDIX 5: A COPY OF THE JV AGREEMENT OR LETTER OF INTENT, IN THE CASE OF A BID SUBMITTED BY A JV

The Bidder shall furnish the authorization to represent each member of the JV and the representative of a JV to commit the Bidder in accordance with ITB 4.1, ITB 22.2 and ITB 22.3. In the case of a JV, the Bidder shall attach herewith a copy of:

1. the JV agreement; or
2. the letter of intent to execute the JV Agreement.

The JV Agreement must indicate at least the parts of the Plant to be executed by the respective JV member (role and function).

Further, the intended percentage of financial participation of each member and the corporate relationships among the individual JV members shall be provided.

If a written confirmation of authorization to commit the Bidder is missing, its Bid will be rejected.

APPENDIX 6: DOCUMENTARY EVIDENCE ESTABLISHING THE BIDDER’S ELIGIBILITY AND QUALIFICATION TO PERFORM THE CONTRACT

In accordance with ITB 15, the Bidder shall provide the information requested in the corresponding information sheets annexed to these Bidding Forms to establish its eligibility and qualification to perform the Contract in accordance with Section III, Evaluation and Qualification Criteria, Sub-Section 2.4 Eligibility and Qualification of the Bidder and Sub-Section 2.5 Compliance Criteria.

(a) Eligibility

Form ELI -1: Bidder Information Form

Form ELI -2: Bidder’s Party Information Form

(b) Historical Contract Non-Performance

Form CON: Historical Contract Non-Performance

(c) Financial Situation

Form FIN -1: Financial Situation

Form FIN -2: Average Annual Turnover

Form FIR -1: Financial Resources

Form FIR -2: Current Contract Commitments

(d) Experience

Form EXP -1: General Experience

Form EXP -2 (a): Specific Experience

Form EXP -2 (b): Specific Experience in Key Activities

APPENDIX 7: TECHNICAL PROPOSAL

In accordance with ITB 17, the Bidder shall furnish, as part of the Technical Bid, a Technical Proposal as stipulated in Appendix 7.1 through Appendix 7.9, in sufficient detail to demonstrate substantial responsiveness of the Bidder’s proposal to the Employer’s Requirements and the Time for Completion.

In accordance with ITB 33, the Technical Bid will be examined, in particular, to confirm that all requirements of Section VI Employer’s Requirement have been met without any material deviation, reservation, or omission. The information provided by the Bidder must be sufficient for the Employer to evaluate the quality of the Bid, and shall be used by the parties for this purpose only.

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The inclusion by the successful Bidder of any information in the Technical Proposal shall not relieve the Contractor of any of its obligations under the Contract, and acceptance of a Bid does not infer any approval of information submitted herewith.

APPENDIX 7.1: PROPOSED BID PROGRAM

The Bidder shall submit, as a part of its Bid and in accordance with Section IV, Bidding Forms: (1) Proposed Design Submission Program, and (2) Proposed Works Program, to achieve the Key Dates and to complete each Section and the whole of the Works within the Time for Completion as specified. Both the programs shall be compatible with each other and shall be in sufficient detail to assure the feasibility of the Bidder's approach to meet the contractual obligations. The Proposed Bid Program shall comply with the Employer's Work Breakdown Structure (WBS). Refer to the Tables shown in General Requirement (ERG) Appendix 2 for the detail requirements on the schedule WBS.

1. Proposed Works Program

This shall indicate how the Bidder intends to organize and carry out the Works, achieve intermediate stages of work and complete each Section and the whole of the Works by the Time for Completion. The Proposed Work Program shall also meet the milestones stipulated in the Contract. The shipment schedule of major components shall be provided as part of the Proposed Works Program.

The scheduling approach to the design, manufacture, inspection, testing and commissioning, instrumentation tests and any other required tests for the service trials and their inter-relationships shall be shown in the Proposed Works Program. The program shall contain sufficient detail to assure the feasibility of the Bidder's approach to meet the contractual obligations.

A construction methodology is to be provided which shall embody a narrative description of the order of procedure in which the Contractor proposes to carry out each main item of work. The narrative statement shall also indicate which elements of the Works the Bidder intends to carry out off-shore and/or in the Republic of the Philippines, with details of the proposed locations of where any such work is to be carried out, the facilities available and any third party undertaking the Bidder may have in this regard. In particular, the Bidder must state the assumptions made in respect of the interface with the Employer, the Engineer, other contractors and third parties both in detail and time, and any requirements for information on matters which would affect their work.

2. Proposed Design Submission Program

This shall cover the design phase and include a schedule identifying and describing cross-referencing and explaining the design packages and submissions, which are intended to be submitted. It shall take due account of design co-ordination interface periods with other interfacing contractors, as planned by the Bidder for each Section. The design stages shall be clearly identified and the appropriateness of design sequence and correlation with manufacturing activities established. The Proposed Design Submission Program shall take due account of the design co-ordination interface periods with other interfacing contractors and be consistent with the Proposed Works Program.

APPENDIX 7.2: PROPOSED PROJECT MANAGEMENT AND ORGANIZATION OF PERSONNEL

1. Proposed Project Management Organization

- 1.1 The Bidder shall submit a Project Management Structure and Organization Chart to demonstrate how it will organize and manage its work activities, both in the Country and abroad, including areas of responsibility, relative seniorities and lines of communication.
- 1.2 The Bidder that does not conduct business in the Republic of the Philippines shall submit evidence/proposal that it will be represented by an agent or otherwise in the Country equipped and able to carry out the Bidder's defects liability and spare parts stocking obligations prescribed in the Contract.

2. Proposed Key Personnel

- 2.1 The Bidder shall submit, in its Technical Bid, its Proposed Key Personnel who shall meet the requirement described in Section III, Evaluation and Qualification Criteria, Sub-Section 3.2-2.2 (Proposed Key Personnel), indicating names, qualifications, professional experience and corporate affiliation of all proposed key management and engineering personnel and specialists, using Forms **PER-1: Proposed Personnel** and **PER-2: Resume of Proposed Personnel** annexed to these Bidding Forms. The Bidder shall also demonstrate the capability of its key management and engineering personnel and specialists for their respective roles.
- 2.2 Key management and engineering personnel and specialists shall include: Project Manager, Section Manager, Manager for System Integration, Technical Director, Manager for Track Works, Telecommunications (SCADA) Engineer, Electrical Power / Overhead Contact System Engineer, Civil Engineering Interface/Coordination Manager, Testing and Commissioning Manager, Quality Assurance Manager, System Assurance Manager and Health & Safety (Accident Prevention) Officer.
- 2.3 The suitability of the proposed key management and engineering personnel and specialists to be deployed by the successful Bidder will be evaluated for acceptability. The corresponding list of the acceptable candidates for each position may be completed and attached to the Contract Agreement.

3. Personnel Mobilization Schedule

- 3.1 The Bidder shall also submit the mobilization schedule, for both in the Country and abroad, of key management and engineering personnel and specialists, together with managers, engineers, experts, etc. to demonstrate how the Bidder proposes to carry out the Works.

4. Major Plant and Equipment Mobilization Schedule

4.1 The Bidder shall also submit the mobilization schedule at the Site, of major plant and equipment identified in Appendix 7.4.

APPENDIX 7.3: PROPOSED METHOD OF IMPLEMENTATION OF THE WORKS

1. The Bidder's proposed method of implementation of the Works shall comply or, subject to reasonable development, be capable of complying with the Employer's Requirements in all respects. The Bidder's proposals shall demonstrate such compliance and shall establish firmly the intended design and methodology, and compliance with the Technical Requirements for the E&M Systems and Track Works, including training and knowledge transfer.
2. For the purpose of the evaluation of the Bid submission, the Bidder shall provide a detailed method of implementation of the Works including, but not limited to, the data and/or documents referred to in the following sections.
- 3. General Approach for System Integration and System Assurance**
 - 3.1 plan, organization and methodology to approach system integration for compliance with the Employer's Requirements;
 - 3.2 plan to comply with requirements for disaster/fire prevention and control;
 - 3.3 plan to comply with RAMS and Electromagnetic Compatibility;
 - 3.4 calculation of Life Cycle Cost for each Railway System subsystem for its design life;
 - 3.5 plan to make sure that spare parts and consumable parts will be available for the maintenance work for at least five (5) years following completion of the whole of the Works;
 - 3.6 plan, organization and methodology to approach knowledge/skill transfer for maintenance and operation of Railway Systems during construction, testing and commissioning; and
 - 3.7 approach for development of train operation plan:
 - 3.7.1 calculation of transport capacity of the Railway System corresponding to the demand forecast through the design life as defined in Section VI the Employer's Requirements;
 - 3.7.2 calculation of trip time from Calamba Station to Clark International Airport Station and in the reverse direction without boarding and alighting time at stations; and
 - 3.7.3 calculation or simulation to comply with the minimum headway at terminal stations and turn back stations.
 - 3.8 Methodology for Testing & Commissioning, Verification & Validation and Hazard log management.
- 4. Design, Manufacture, Installation and Construction Method of Each System**
 - 4.1 Provision of the following data and/or documents on Track Works:

- 4.1.1 details of the national or international standards and codes to be used for system design;
 - 4.1.2 schematic drawings of the track layout for main line and Depot area;
 - 4.1.3 specifications for Track Works;
 - 4.1.4 list of spare parts and consumable parts;
 - 4.1.5 list of special equipment and tools for maintenance;
 - 4.1.6 details of the provisions made for interface with other Interface Contractors;
 - 4.1.7 preliminary provisions made for interfaces with other Railway System Packages;
 - 4.1.8 drawings of major components such as turnouts, scissors crossing, expansion joint and track; and
 - 4.1.9 drawing of outline design of track on elevated section, embankment and bridge, depot and workshop;
- 4.2 Provision of the following data and/or documents on Signaling System:
- 4.2.1 details of the national or international standards and codes to be used for system design;
 - 4.2.2 plan for demonstrating that the proposed Train Control, ETCS and Signaling System complies with Safety Assurance requirements;
 - 4.2.3 plan to demonstrate that the RAMS is satisfied and to verify the RAMS plan by the certification body and/or internal audit;
 - 4.2.4 schematic drawings of structure of the system and subsystems of the proposed Train Control, ETCS and Signaling System on main line and in the depot area;
 - 4.2.5 ETCS availability of radio frequency allocation for obtaining approval of the relevant authority;
 - 4.2.6 specifications for Train Control and Signaling System, and OCC details;
 - 4.2.7 list of spare parts and consumable parts;
 - 4.2.8 list of special equipment and tools for maintenance;
 - 4.2.9 details of the provisions to be made for interfaces with other Interface Contractors;
 - 4.2.10 preliminary provisions made for interfaces with other Railway System Packages; and

- 4.2.11 confirmation that all elements of the Train Control, ETCS and Signaling System meet SIL4 standards.
- 4.3 Provision of the following data and/or documents on Telecommunications System:
 - 4.3.1 details of the national or international standards and codes to be used for Telecommunications System design;
 - 4.3.2 schematic drawings of the proposed Telecommunications System;
 - 4.3.3 Migration of OCC's to IOCC
 - 4.3.4 specifications for the Telecommunications System;
 - 4.3.5 radio frequency allocation for obtaining approval of the relevant authority;
 - 4.3.6 list of spare parts and consumable parts;
 - 4.3.7 list of special equipment and tools for maintenance;
 - 4.3.8 details of the provisions required for interfaces with other Interface Contractors; and
 - 4.3.9 preliminary provisions made for interfaces with other Railway System Packages.
- 4.4 Provision of the following data and/or documents on Power Supply System:
 - 4.4.1 national or international standards and codes to be used for system design;
 - 4.4.2 schematic drawings of the proposed Power Supply System;
 - 4.4.3 specifications for Power Supply System;
 - 4.4.4 outline layout of each substation;
 - 4.4.5 outline of cables and the specifications to which they comply;
 - 4.4.6 drawings of cross sections of cable ducts, racks and / or brackets on elevated sections;
 - 4.4.7 drawings of cross sections of cable ducts, racks and/or brackets in the underground sections;
 - 4.4.8 list of spare parts and consumable parts;
 - 4.4.9 list of special equipment and tools for maintenance;
 - 4.4.10 details of the provisions made for interface with other Interface Contractors; and

- 4.4.11 preliminary provisions made for interface with other Railway System Packages.
- 4.5 Provision of the following data and/or documents on Power Distribution System:
 - 4.5.1 national or international standards and codes to be used for system design;
 - 4.5.2 schematic drawings of the proposed Power Distribution System;
 - 4.5.3 specifications for Power Distribution System;
 - 4.5.4 outline layout of each station/substation;
 - 4.5.5 outline of cables and the specifications to which they comply;
 - 4.5.6 drawings of cross sections of cable ducts, racks and / or brackets on elevated sections;
 - 4.5.7 drawings of cross sections of cable ducts, racks and/or brackets in the underground sections;
 - 4.5.8 list of spare parts and consumable parts;
 - 4.5.9 list of special equipment and tools for maintenance;
 - 4.5.10 details of the provisions made for interface with other Interface Contractors; and
 - 4.5.11 preliminary provisions made for interface with other Railway System Packages.
- 4.6 Provision of the following data and/or documents on Overhead Contact Line System:
 - 4.6.1 details of the national or international standards and codes to be used for system design;
 - 4.6.2 schematic drawings of the proposed OCS;
 - 4.6.3 specifications for OCS;
 - 4.6.4 list of spare parts and consumable parts;
 - 4.6.5 list of special equipment and tools for maintenance;
 - 4.6.6 details of the provisions made for interface with other Interface Contractors;
 - 4.6.7 preliminary provisions made for interfaces with other Railway Systems Packages;
 - 4.6.8 drawings of outline design of OCS in underground section and transition sections between rigid and catenary section;

- 4.6.9 drawings of outline design of OCS in elevated section, bridges, elevated stations;
 - 4.6.10 drawings of outline design of OCS in the depot and workshop; and
 - 4.6.11 drawings of training facility for OSC maintenance.
- 4.7 Provision of the following data and/or documents on Automatic Fare Collection System:
- 4.7.1 details of the national or international standards and codes to be used for system design;
 - 4.7.2 schematic drawings indicating system structure and subsystems;
 - 4.7.3 specifications for AFC machines;
 - 4.7.4 calculation of capacity and numbers of ticket vending machines and checking gates at each station corresponding to demand forecast in 2045;
 - 4.7.5 drawings for layouts of ticket vending machines, station staff terminals, fare adjustment machines, and checking gates at each station;
 - 4.7.6 drawings of outline of machines;
 - 4.7.7 plan to demonstrate system security;
 - 4.7.8 plan of system assurance tests;
 - 4.7.9 plan of card issue and recycle facilities;
 - 4.7.10 plan of types and numbers of contact-less IC cards;
 - 4.7.11 plan of cash and card management;
 - 4.7.12 plan of bill and coin acceptance (accept, change, and circulation);
 - 4.7.13 plan of data and software transmission (upload data and software, download data and software, data processing, data printing)
 - 4.7.14 plan of support service;
 - 4.7.15 plan of measures against power failure;
 - 4.7.16 plan of off-line data collection in case of network trouble;
 - 4.7.17 estimate of electric power demand at each station and ticket issue center, etc. related to AFC;
 - 4.7.18 details of the provisions made for interface with other Interface Contractors; and

- 4.7.19 details of airport limited express ticket reservation system.
- 4.8 Provision of the following data and/or documents on Depot Facility:
- 4.8.1 details of the national or international standards and codes to be used for system design;
 - 4.8.2 drawings of Depot and Workshop Equipment layout;
 - 4.8.3 flow of rolling stock maintenance for every inspection and heavy maintenance;
 - 4.8.4 calculation of rolling stock maintenance capacity with assumptions of manpower and period of maintenance works;
 - 4.8.5 calculation of capacity of rolling stock wash plant;
 - 4.8.6 calculation of capacity of wheel profiling plant;
 - 4.8.7 specifications for Depot and Workshop Equipment;
 - 4.8.8 drawings for infrastructure maintenance workshop equipment layout;
 - 4.8.9 calculation of maintenance capacity with assumptions of manpower and period of maintenance works;
 - 4.8.10 details of the provisions made for interfaces with other Interface Contractors;
 - 4.8.11 preliminary provisions made for interfaces with Railway System Packages; and
 - 4.8.12 estimates of electric power demand.
- 4.9 Provision of the following data and/or documents on Platform Screen Doors
- 4.9.1 details of the nationals or international standards and codes to be used for system design;
 - 4.9.2 schematic drawings of the proposed PSD system;
 - 4.9.3 specifications for PSD;
 - 4.9.4 schematic drawings of the proposed PSD;
 - 4.9.5 drawings for layouts of PSD; and
 - 4.9.6 drawings of outline of machines
- 4.10 Provision of the following data and/or documents on Computerized Maintenance Management System (CMMS):

- 4.10.1 details of the national or international standards and codes to be used for system design;
- 4.10.2 schematic drawings of the proposed CMMS system;
- 4.10.3 specifications for CMMS;
- 4.10.4 schematic drawings of the proposed CMMS;
- 4.10.5 drawings for layouts of CMMS equipment; and
- 4.10.6 Management of CMMS systems with BIM and Interface Contractors.

5. Provisions for the following data and/or documents for System User Training and Operation Training

- 5.1 plan, organization and methodology for training of Maintenance Railway System Personnel; and
- 5.2 plan, organization and methodology for training of operators and maintainers.

6. Provision of the following data and/or documents for Supplying Spare Parts and Consumables

- 6.1 plan, organization and methodology how the Bidder will perform his obligation for defects liability; and
- 6.2 plan, organization and methodology to supply spare parts and consumables considered necessary for the maintenance work of each system.

7. Provision of the following data and/or documents for Design Life and Required General Overhaul (Renewal) Plan based on Design Life

- 7.1 design life of each major component of every system; and
- 7.2 required general overhaul (Renewal) plan based on the above design life.

APPENDIX 7.4: MAJOR PLANT AND EQUIPMENT INTENDED TO MOBILIZE AT SITE

The Bidder shall provide a list of major plant and equipment intended to be mobilized at the Site to demonstrate clearly that it has the capability to carry out the Works and maintain the progress proposed by the Bidder and complete the whole of Works by the Completion Date. This should be in the form of a Method Statement regarding factory manufacture/assembly, transporting to the docks, off-loading and loading onto the ships, unloading at the port of arrival, and transporting to the Site, with an emphasis on the major plant and equipment to be used and where it will be available from.

The bidder shall provide the list and details of proposed items of plant and equipment using **Form EQU** annexed to the Bidding Forms.

APPENDIX 7.5: PROPOSED SUBCONTRACTORS/ MANUFACTURERS FOR MAJOR ITEMS OF PLANT AND INSTALLATION SERVICES

1. In accordance with ITB 17 and ITB 35, for the major items of the Works as listed by the Employer in Section III Evaluation and Qualification Sub-Section 3.2-5 (Subcontractors/Manufacturers), which the Bidder intends to purchase or subcontract, the Bidder shall give details of the name and nationality of the proposed subcontractors/manufacturers using **Form SUB** annexed to these Bidding Forms, for each of those items. The prime contractor can be a subcontractor/manufacturer.
2. The Bidder shall also provide adequate information about the proposed subcontractors/manufacturers to enable the Employer to assess their capability and suitability. Bidders are free to list more than one subcontractor/manufacturer against each item of the Works. Quoted rates and prices will be deemed to apply to which ever subcontractor/manufacturer is appointed, and no adjustment of the rates will be permitted. The Employer reserves the right to delete any proposed subcontractor/manufacturer from the list prior to the date of acceptance of the Bid, and after discussion between the Employer and the Bidder, the approved subcontractor/manufacturer for each item concerned may be listed and attached to the Contract Agreement.
3. The Bid shall name the same specialist subcontractors/manufacturers whose experience in the key activities are evaluated under Sub-Sections 2.5-4.2(a) and 2.5-4.2(b), Specific Experience, in Section III Evaluation and Qualification Criteria.
4. The Bidder is responsible for ensuring that any manufacturers and producers comply with the requirements of ITB 4 and ITB 5 and meet the minimum criteria listed in Sub-Sub-Section 5.3 (Resources of Major Materials) under Sub-Section 3.2 (Detailed Evaluation Criteria).
5. In the case of a Bidder who offers to supply and install major items of the Works under the Contract that the Bidder did not manufacture or otherwise produce, the Bidder shall provide the manufacturer's authorization, using **Form MAN** provided in these Bidding Forms, showing that the Bidder has been duly authorized by the manufacturer or producer of the related plant and equipment or component to supply and/or install that item in the Employer's country.

APPENDIX 7.6: OUTLINE WORK MANAGEMENT PLAN

1. Outline Quality Management Plan

The Bidder shall submit as part of its Bid an Outline Quality Management Plan that meets the Employer’s Requirements for design, manufacture, on-site activities and their interfaces, and also includes an outline of procedures, regulations and the mechanism used to implement such procedures and regulations for ensuring quality as required under the Employer’s Requirements and the Conditions of Contract. The Quality Management System detailed therein is required to be applied without prejudice to or without limiting any Quality Management Systems that the Bidder already maintains.

2. Outline System Assurance Management Plan

The Bidder shall submit as part of its Bid an Outline System Assurance Management Plan, which shall contain sufficient information to demonstrate clearly the Bidder’s proposals for achieving effective and efficient safety procedures in the design, manufacturing, testing, pre-commissioning, inspection, testing, commissioning and integrated testing, and minimizing the magnitude and seriousness of events or malfunctions that could result in injury to passengers or staff and damage to equipment or property, but cannot be completely eliminated. The Outline System Assurance Management Plan shall include an outline of safety procedures, regulations and the mechanism used to implement such procedures and regulations for ensuring safety as required under the Employer’s Requirements and the Conditions of Contract.

3. Outline Site Safety Management Plan

The Bidder shall submit as part of its Bid an Outline Site Safety Management Plan based on “The Guidance for the Management of Safety for Construction Works in Japanese ODA Projects” published by JICA in September 2014, which shall contain sufficient information to demonstrate clearly the Bidder’s proposals for achieving effective and efficient safety procedures in the execution and completion of the Works at the Site including installation, testing, inspection and commissioning of the E&M Systems/Subsystems. The Outline Site Safety Management Plan shall include an outline of safety procedures, regulations and the mechanism used to implement such procedures and regulations for ensuring safety as required under the Employer’s Requirements and the Conditions of Contract. The Outline Site Safety Management Plan shall include an outline of policies to cover for protection against pandemics and infections, and active identification, isolation and treatment of persons under the bidder’s responsibility.

The Outline Site Safety Management Plan shall include brief details of the education and safety training of all employees in hygiene, symptoms of ill health, monitoring of the employees on a daily basis, the importance of social distancing, suitable protective equipment to minimize infection transfer, the availability of health counselling in the work place and the responsibility of the Bidder to provide effective welfare space, isolation facilities and treatment for all affected employees quickly and effectively and a quick response system to enable managerial decision to be taken in the event of such occurrences. The plan and associated policies shall cover for

protection again pandemics and infections and activate identification, isolation and treatment of persons under the Bidder's responsibility. Take note of and as a minimum implement the recommendations of the World Health Organization: Considerations for public health and social measures in the workplace in the context of COVID-19, dated 19th May 2020, ADB SDCC's advisory in relation to COVID-19 health and safety, international good practices, and similar advice.

Within its Site Health and Safety Plan, the Bidder shall provide a separate submission entitled with details of how it will address the safety, health and general well-being of its management, workforce, visitors to site or offices and interaction with the local communities and the measures it proposes to take to minimize the possibilities of catching or transmitting infectious diseases and the how it will control and remedy the situation if such an event occurs.

The Bidder should demonstrate in the Plan the health and safety measures they will put in place on site in relation to COVID-19 prevention and controls, including but not limited to, PPE requirements, site set up, training, induction and mobilization of new personnel, equipment and plants cleaning and other hazard management measures while undertaking site work activities, site visitors health and safety protocols, as well as the approach to the monitoring and reporting of the Plan.

The Plan should be fit for purpose for the particular construction works of this contract and be aligned with any relevant government regulations and guidelines on COVID-19 prevention and controls, as well as workplace safety requirements, or in the absence thereof, to international good practice guidelines e.g.:

<https://www.who.int/publications/i/item/considerations-for-public-health-and-social-measures-in-the-workplace-in-the-context-of-covid-19>

4. Outline Environmental Management Plan

The Bidder shall submit as part of his Bid an Outline Environmental Management Plan illustrating the intended means of compliance with the requirements of the Employer's Requirements and setting out in summary form an adequate basis for the development of the more detailed document required to be submitted under the Conditions of Contract and the Employer's Requirement. The Outline Environmental Management Plan shall contain sufficient information to demonstrate clearly the proposed method used to achieve the Bidder's environmental objectives with regard to requirements under the Contract and other applicable local laws and regulations.

5. Outline Project Management Plan

The Bidder shall submit, as part of its Bid, an Outline Project Management Plan (PMP) that describes an overview of the procedures, practices, and sequence of activities necessary to demonstrate the management and integration of all entities which comprise the Contractor and any Subcontractors, into one management structure. The PMP is ultimately required to provide an integrated set of documents containing all that is necessary to direct how best to manage the Project.

The Bidder shall consider the implications and impacts of COVID-19, other pandemics and diseases prevailing at the time of bidding, and include within its Project Execution Plan for the project the recommendations of the World Health Organization and other Authorities for detailed passive and active measures that it proposes on this project to provide a safe and healthy working environment. The Bidder shall comply with the DPWH Department Order No. 39, 2020 issued on 19th May 2020 or any superseding Order.

6. Outline Interface Management Plan

The Bidder shall submit, as part of its Bid, an Outline Interface Management Plan illustrating how it intends to collaborate with Interfacing Contractors and External Interfacing Parties, and which will form the basis for the detailed Interface Management Plan required under the Employer's Requirements and the Conditions of Contract.

7. Outline Inspection, Testing and Commissioning Plan

The Bidder shall submit, as part of its Bid, an Outline Inspection, Testing and Commissioning Plan that contains the following information:

- a. Overall test strategy from sub-system to system and integration into the overall Works;
- b. Staff Roles and Responsibilities for the execution of testing of safety critical systems;
- c. Preliminary schedule of tests, test locations and proposed dates and durations for all subsystems and components tests; and
- d. A schedule of test documentation to be produced.

11. Outline Training Objectives, Methods, Locations and Training Equipment

The Bidder shall submit as part of its Bid, an Outline of Training Objectives, Methods, Locations and Training Equipment as called for in the Employer's Requirements, to indicate the programs and training measures for monitoring the progress of both the training programs and individual trainees. The outline shall cover the Bidder's ability to carry out the necessary training, and the proposed approach to structuring and providing the courses required.

12. Outline Gender Based Violence Action Plan and Code of Conduct

The Bidder must provide a Gender Based Violence (GBV) Action Plan, which should include mechanisms, sanctions, and mitigation procedures in handling GBV-related cases during project implementation. The GBV Action Plan must be compliant with the Legal and Policy Framework provided by the Employer. It shall properly address the requirements stated under GCC 6.8, 6.9, and 6.11.

13. Outline Risk Management Plan

The Bidder shall submit as part of its bid an Outline of a standalone COVID-19 Risk Management plan and its proposed implementation. This shall incorporate the recommendations of the World Health Organization (WHO) and other influential bodies for its application to construction sites for enhancing Health measures for the workforce, visitors and the interface with the general public

through all reasonable ways including education as well as physical means. See Volume 2 for suggested reference documents.

The COVID-19 Risk Management plan and implementation proposals to safeguard people in the Bidder’s employment and visitors, and those members of the general public that the Bidder and its workforce interface with to minimize the possibilities of catching or transmitting infectious diseases. The Bidder shall consider the implications and impacts of COVID-19, other pandemics and diseases, and include for the recommendations of the World Health Organization and other Authorities as listed in General Specification for detailed passive and active measures that it proposes on this project to provide a safe and healthy working environment.

14. Outline COVID-19 Risk Management Plan

The Bidder shall submit a specific COVID-19 Risk Management plan and implementation proposals to safeguard people in the Bidder’s employment and visitors, and those members of the general public that the Bidder and its workforce interface with to minimize the possibilities of catching or transmitting infectious diseases.

This plan shall incorporate the recommendations of the WHO and other influential bodies for its application to construction sites for enhancing Health measures for the workforce, visitors and the interface with the general public through all reasonable ways including education as well as physical means.

10. Outline Requirements Management Plan

The Bidder shall submit, as part of its Bid, an Outline Requirements Management Plan that describes how the Project Requirements will be managed throughout the lifecycle of the Project, including the processes that will be implemented, and the process for the Verification and Validation stages, and how change management will be implemented for the Requirements set.

8. Outline Detailed Works Program (Program Implementation Plan)

The Bidder shall submit, as part of its Bid, an Outline Detailed Works Program that describes an overview of the following:

- a. Network diagrams of activities;
- b. S-Curve for monthly progress estimates;
- c. Construction methods for main work items;
- d. Contractor’s Organization Chart and Personnel Schedules;
- e. Equipment Schedules; and
- f. A cash flow and payment schedule and a time chainage diagram for all major Works.
- g. Time Chainage Programme

Note: The program should include all milestones detailed in the Price Schedules which, where stated, shall be further broken down per station or area. The Cashflow should be submitted as part of the Price Bid.

9. Outline Design Submission Program

The Bidder shall submit an Outline Design Submission Program that covers the Design phase and include a schedule identifying, describing, cross-referencing and explaining the Design Packages and submissions which the Bidder intends to submit, including Design Review and Design Verification.

APPENDIX 7.7: COMPLIANCE MATRIX

The Bidder is required to show its responsiveness to the Employer’s Requirements-General and Technical Requirements by indicating with a check mark (tick) in the ‘Conformance’ column or, alternatively, in the ‘Partial Conformance’ column using **Form CM** (as provided in the Bidding Forms).

If the Bidder inserts a check mark in the ‘Partial Conformance’ column, then it is required to give specific details of the area of non-conformance and explain the reasons for such non-conformance and why the Employer should favorably consider accepting such non-conformance without the Employer determining that the Bidder’s Technical Bid is not substantially responsive to the Employer’s Requirements.

The Bidder is advised to note that, should the Employer determine that the Bidder’s Technical Bid is not substantially responsive to the Employer’s Requirements, then its Bid will be rejected by the Employer.

APPENDIX 7.8: SUPPLY SOURCE OF MAJOR SPARE PARTS, CONSUMABLES AND SPECIAL TOOLS, JIGS AND TEST EQUIPMENT

The bidder shall furnish a preliminary plan for assisting the Employer to develop a supply source of spare parts, special tools, consumables, etc. after Taking Over of the Works, in accordance with the Employer's Requirement.

The Bidder shall also provide the information of full particular including available sources of the major spare parts, special tools, etc. in accordance with ITB 16.1 (b) using **Form SPA-1 and Form SPA-2** provided in these Bidding Forms.

APPENDIX 7.9: JAPANESE ORIGIN OF PLANT, MATERIALS AND SERVICES

The Bidder shall furnish with its bid, using **Form ELG** provided in these Bidding Forms, a list of plant, materials and services procured from Japan, the Eligible Local Manufacturing Company(ies), the Eligible Development Partner’s Manufacturing Company(ies), the Eligible Developed Countries’ Manufacturing Company(ies) and the Eligible Foreign Company(ies), which are defined in Section V. Eligible Source Countries of Japanese ODA, to meet the requirement specified in Section V. Eligible Source Country(ies) of Japanese ODA Loans.

The Bidder shall also provide documentary evidence/certificate(s) establishing the eligibility of manufactures/suppliers of plant, materials, and services providers.

APPENDIX 8: UNDERTAKING ON COPYRIGHT

To: Procurement Service
PS Complex
RR Road, Cristobal Street
Paco, Manila 1007
Philippines

Letter of Undertaking

The Malolos–Clark Railway Project and
The North South Railway Project-South Line (Commuter)
Package CP NS-01 E&M Systems and Track Works

We (*name of Bidder/JV*), hereby undertake that the Bidding Documents, both in hard copy and digitized format, purchased as a necessary part of our preparation of this Bid, shall be used solely for the preparation of the Bid and that, if the Bid is successful and accepted, shall be used solely for the design, fabrication, procurement, supply, installation, inspection, testing and commissioning of Package CP NS-01: E&M Systems and Track Works for the Malolos–Clark Railway Project and the North South Railway Project-South Line (Commuter).

We further undertake that the aforesaid the Bidding Documents shall not be used in whole or in part on any other project, scheme, design, or proposal by this organization.

Date: _____

Authorized Signatory

For and on behalf of the Bidder

APPENDIX 9: BID SUBMISSION INDEX

The Bidder shall include with its Technical Bid an index in the form below (‘Bid Contents Checking List’), which cross-references all of the Employer’s Bid Requirements elaborated in these Bidding Documents to all the individual sections within the Bidder’s Technical Bid and Price Bid, where the Bidder is required to respond to each and every one of the Employer’s Bid requirements.

Bid Contents Checking List

Items	Document to be Provided	Bidder Check	Bid Submission		
			File No.	Section	Page
Technical Bid					
(i)	Letter of Technical Bid				
(ii)	Copy of receipt confirming paying for Bidding Documents				
1	Bid Security (Form Bid Security: Bank Guaranty or Bid Bond)				
2	Acknowledgement of Compliance with Guidelines for Procurement under Japanese ODA Loans (Form ACK)				
3	Declaration as to the Origin of Goods and Services and Eligibility of Subcontractor/Suppliers				
4	Written Confirmation Authorizing the Signatory of the Bid to Commit the Bidder				
5	In the case of a Bid submitted by a JV, a copy of the JV agreement or Letter of Intent and draft JV Agreement				
6	Documentary Evidence establishing the Bidder’s Eligibility and Qualification to Perform the Contract (Forms ELI-1, ELI-2, CON, FIN-1, FIN-2, FIR-1, FIR-2, EXP-1, EXP-2(a)and EXP-2(b))				
7.1	Proposed Bid Program -Proposed Works Program -Proposed Design Submission Program				
7.2	Proposed Project Management and Organization of Personnel -Project Management Organization -Proposed Key Personnel (Forms PER-1 and PER-2) -Personnel Mobilization Schedule -Major Plant and Equipment Mobilization Schedule				

Items	Document to be Provided	Bidder Check	Bid Submission		
			File No.	Section	Page
7.3	Proposed Method of Implementation of the Works				
7.4	Major Plant and Equipment Intended to Mobilize at Site (Form EQU)				
7.5	Proposed Subcontractors/Manufacturers for Major Items of Plant and Installation Services (Forms SUB, MAN)				
7.6	Work Management Plan -Outline Quality Management Plan -Outline System Assurance Management Plan -Outline Site Safety Management Plan -Outline Environmental Management Plan -Outline Project Management Plan -Outline Interface Management Plan -Outline Inspection, Testing and Commissioning Plan -Outline Training Objectives, Method, Locations and Training Equipment - Outline Gender Based Violence Action Plan and Code of Conduct -Outline Risk Management Plan - Specific COVID-19 Risk Management Plan -Outline Requirements Management Plan -Outline Detailed Works Program (Project Implementation Plan) -Outline Design Submission Program				
7.7	Compliance Matrix (Form CM)				
7.8	Supply Source of Major Spare Parts, Consumables and Special Tools, Jigs and Test Equipment (Form SPA-1 and Form SPA-2)				
7.9	Japanese Origin of Plant, Materials and Services (Form ELG) [Without Price]				
8	Undertaking on Copyright				
9	Bid Submission Index				
Price Bid					
(i)	Letter of Price Bid				
1	Schedule 1: Price Schedules				
2	Schedule 2: Table of Adjustment Data				

Items	Document to be Provided	Bidder Check	Bid Submission		
			File No.	Section	Page
3	Schedule 3: List of Japanese Origin, Goods and Services [With Prices]				
4	Form SCJ: Summary for the Total Cost of Goods and Services Procured from Japan				
5	Form DEC: Declaration as to the Origin of Goods and Services and Eligibility of Subcontractors/Suppliers				
6	Cash Flow and Payment Schedule				

SECTION IV. BIDDING FORMS (BF)

C. PRICE BID FORMS

LETTER OF PRICE BID

Date: *[insert date of Bid submission]*

Loan Agreement No.: PH-P270

IFB No.: 21-040-3

To: Engr. Jaime M. Navarrete, Jr.
THE CHAIRPERSON
Bids and Awards Committee for CP NS-01
Procurement Service
PS Complex,
RR Road, Cristobal Street
Paco, Manila 1007
Philippines

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including addenda issued in accordance with Instructions to Bidders (ITB 8). *[Insert the number and issuing date of each addendum]*;
- (b) We offer to design, manufacture, factory test, ship, deliver, install, inspect, test and commission, and training, in conformity with the requirements of the Bidding Documents, the following Works:

Contract Package CP NS-01: Procurement of the E&M Systems and Track Works consisting of track works, signaling, telecommunications, power supply, power distribution, overhead contact line, operation control center, automatic fare collection system, platform screen doors, depot facility, workshop equipment, maintenance and repair equipment, training center facilities, computerized maintenance management system and others;

- (c) The total price of our Bid is:
Local Currency: _____ (in figures)
(with VAT and with Provisional Sums) _____ (in words)
and
Foreign Currency: _____ (in figure)
(without VAT and with Provisional Sums) _____ (in words).
- (d) Our Bid shall be valid for a period of two hundred ten (210) days from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) If our Bid is accepted, we commit to obtain a Performance Security in accordance with the Bidding Documents;

- (g) We understand that this Bid together with your written acceptance thereof included in your Letter of Acceptance shall constitute a binding Contract between us, until a formal Contract is prepared and executed; and
- (h) We understand that you are not bound to accept the lowest evaluated Bid or any other Bid that you may receive.

Name of the Bidder* *[insert complete name of person signing the Bidder]*

Name of the person duly authorized to sign the Bid on behalf of the Bidder** *[insert complete name of person duly authorized to sign the Bid]*

Title of the person signing the Bid *[insert complete title of the person signing the Bid]*

Signature of the person named above *[insert signature of person whose name and capacity are shown above]*

Date signed *[insert date of signing]* day of *[insert month]*, *[insert year]*

- * In the case of a Bid submitted by a Joint Venture, specify the name of the Joint Venture as Bidder.
** The person signing the Bid shall have the Power of Attorney given to the Bidder to be attached with the Bid.

SCHEDULE 1: PRICE SCHEDULES

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SCHEDULE 1 - PRICE SCHEDULES

Preambles

1. Price Schedules 1.1, 1.2, 1.3 and 1.4 hereinafter relate to the work required under Contract Package CP NS-01 for the four (4) Sections identified in Part 3 (Conditions of Contract and Contract Forms) in Section VIII (Particular Conditions), namely:

Section 1: Platform Screen Door (PSD) and related works at the stations of the North- South Commuter Railway Project (Malolos-Tutuban) (NSCR), ,

Section 2: The Malolos to Clark Railway Project (MCRP),

Section 3: Section between NSCR stations (Solis exclusive) and Blumentritt and Tutuban stations (inclusive) of the Malolos Clark Railway Project- (Blumentritt Extension) (MCRP-Ext.)and

Section 4: Section between Blumentritt station (exclusive) and Calamba station (inclusive) of the North South Railway Project-South Line (Commuter) (NSRP-South).

2. In addition to the abovementioned Price Schedules, there is a separate Price Schedule (1.7) for an Option to cover the provision of the function of Automatic Train Operation (ATO) to replace the normal train operating mode using train operator and Automatic Train Protection (ATP). The latest date for the Employer to be able to exercise the right to accept this Option at the fixed price incorporated in the Contract Price shall be one thousand and ninety-five (1,095) calendar days from the Commencement Date.

The intended ATO system will consist of an onboard and track-side sub-system which is required to provide train traction and brake control. The European Train Control System (ETCS) will provide the safety function, including maximum safe speed and emergency brake intervention if required.

The ATO driving feature is required to include:

- Time Table Speed Management (TTSM)
- Supervised Envelope Speed Management (SESM)
- Automatic Train Stopping Management (ATSM)

The onboard equipment is required for the following Rolling Stock that will run on the NSCR Line:

- 7 No. x 8 Car Limited Express Trainsets
- 38 No. x 8 Car Commuter Trainsets
- 30 No. x 8 Car Rolling Stock for the Metro Manila Subway Project (MMSP) Line

The Bidder is required to price the Option for the ATO on a stand-alone, independent basis, including any allowance for additional 'Preliminaries' type costs of any nature. If, therefore, the Employer does

not take up the Option for the ATO, no adjustment shall be due to the Contract Price and no extra payment shall be due to the Contractor, and no claim from the Contractor for loss of overheads and profit or for any other form of remuneration will be due, entertained or permissible. However, if the Option for the ATO is taken up by the Employer within the time-frame given above, it shall be deemed that all costs involved in interfacing with others, as well as all and any redesign work required to incorporate the ATO into the Works, has been fully covered in the price for that Option as shown within the completed Price Schedules and included in the Accepted Contract Amount.

3. Price Schedule 1.8 covers the pricing of the Capital Spares which will not be carried forward to the Total Bid Amount. The rates or prices shall remain valid up to the issuance of the Taking Over certificate for the final section of the Works. The rates or prices of the Capital Spares shall be deemed to include all costs and expenses associated with the supply, manufacture and delivery by the Contractor, as the case may be (including, without limitation, where appropriate, the cost of manufacture, packing, supply, storage and delivery to the Site, preliminaries and other general requirements, overheads and profit) and whether or not some or all of the items listed in Price Schedule 1.8 are ordered irrespective of the quantity of the items to be supplied. If the Employer chooses to place any order(s) for Capital Spares with the Contractor, any such order shall be instructed as a Variation under the Contract.

4. The Price Schedules shall be read in conjunction with the Instructions to Bidders, the General and Particular Conditions of Contract and the Employer’s Requirements.

5. Unless otherwise specified in the Employer’s Requirements, the Bidder is required to quote for the entire facilities on a “single responsibility” basis, such that the Bid Price covers all the Contractor’s obligations mentioned in or to be reasonably inferred from the Bidding Documents, and for fully satisfying all the requirements specified as being the Contractor’s responsibilities.

6. The Contract is to be carried out on a lump-sum price basis, where payment to the Contractor will be made according to achieved milestones unless otherwise specified in the Contract. The Contract Price is not subject to re-measurement and neither is it to be adjusted by reason of the actual quantities of work executed being more or less than the estimated quantities used by the Bidder in the calculation of the Bid Price.

7. The Schedules do not give a full description of the works to be performed nor of the plant, equipment and services to be supplied or provided under each item. The Bidder shall therefore be deemed to have read and fully understood the Employer’s Requirements and all other sections of the Bidding Documents (including reviewing the Drawings), in order to ascertain the full scope of the requirements included in each item prior to filling out the rates and prices.

8. The rates and prices in both Local Currency (Philippine Peso) and Foreign Currency (Japanese Yen) shall be presented in whole units without any decimal parts. Any rates and prices in United States Dollars and/or Euro shall be presented to two decimal places.

9. A rate or price shall be entered by the Bidder against each item in the Price Schedules, whether quantities are stated or not. The cost of items against which the Bidder has not entered a rate or price shall be deemed to be covered by the other rates and prices entered in the Price Schedules.

10. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Price Schedules and, where no particular items have been provided in the Price Schedules for items that are inherently required, the cost for all such items shall be deemed to be distributed among the rates and prices entered for items of work that have been provided in the Price Schedules.

11. To the extent required by the Employer for the purposes of making payments or partial payments, valuing variations or evaluating claims, or for such other purposes as the Employer may reasonably require, the Contractor shall provide the Employer with a breakdown of any composite or lump sum items included in the Price Schedules.

12. With regard to the Provisional Sums generally, the Contract Data indicates the percentage rate to be applied to cover the Contractor's overhead charges and profit when such amounts are expended. However, no overhead charges or profit shall be due to the Contractor in respect of any expenditure for the Provisional Sum for the Dispute Board (DB).

13. With the exception of the Provisional Sum for the cost of the DB (which requires no prior instruction from the Engineer), all other Provisional Sums shall be expended in whole or in part only at the direction and sole discretion of the Engineer, pursuant to Sub-Clause 13.5 and Sub-Clause 13.6 of the General Conditions.

14. Each Milestone listed in the Price Schedules shall set out the value in each currency which the Contractor wishes to claim in its Statements submitted for Interim Payment application purposes when the entirety of the work for the Milestone has been achieved.

15. The Contractor shall provide such evidence as the Engineer may reasonably require for the Contractor to substantiate its claim for payment and demonstrate that the work under each Milestone has been achieved. In regard to this, it is intended that satisfactory completion of a Milestone for payment purposes will be evidenced through a certification process acceptable to the Engineer.

NOTE:

1. Bidders who are unclear or uncertain as to the scope of any item shall seek clarification in accordance with ITB 7 prior to submitting their bids.
2. The Bidder is required to prepare its own version of the Price Schedules for bidding purposes, incorporating as a minimum all the items shown in the Price Schedules included hereinafter.
3. Where the Bidder's signature is required for the Price Schedules, it must be the signature of the Bidder's Authorized Representative for bidding purposes, who is also required to initial (at the bottom right-hand corner of all pages) the Price Schedules that will be comprise a part of the Bidder's Bid submission documentation.

Schedule 1.1: Price Schedule for Section 1

Schedule 1.1-1: General Items

Mile Stone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
101	Preparation and submission of Project Management Plan and obtaining approval thereof from the Engineer.	sum	1				
102	Performance Security – see Grand Summary.	N/A	N/A	N/A	N/A	N/A	N/A
103	Insurance of Works and Contractor’s Equipment.	sum	1				
104	Insurance against Injury to Persons and Damage to Property.	sum	1				
105	Establishment of Contractor’s offices and other temporary Site facilities required by the Contractor.	sum	1				
106	Running and maintenance costs for Contractor’s offices and other temporary Site facilities required by the Contractor.	sum	1				
107	Establishment of Employer/Engineer’s offices and other temporary facilities required by the Employer/Engineer.	sum	1				
108	Running and maintenance costs for Employer/Engineer’s offices and other temporary facilities required by the Employer/Engineer.	sum	1				

Mile Stone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
109	Preparation, submission of the Program and obtaining acceptance thereof from the Engineer.	sum	1				
110	Contractor's supervision at the Site and other on-going obligations.	sum	1				
111	Removal of Contractor's office and other facilities from the Site.	sum	1				
	(Payment for Milestones 103, 104, 106, 108, and 110 will be paid for in proportion to the overall duration of the Contractor's presence on the Site at the date of the relevant payment application, calculated from the date on which mobilization was fully completed, and based on the date when the Contractor is reasonably expected to be fully demobilized.) (Payment for Milestones 101, 105, 107, 109 and 111 will be paid for once each separate activity has been accepted as completed by the Engineer.)	-	-	-	-	-	-
112	Providing necessary services during the Defects Notification Period (including materials and goods, management and operatives input, plus any necessary temporary facilities of any kind).	sum	1				

Mile Stone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made at the end of the Defects Notification Period after all rectification or replacement work has been undertaken to the satisfaction of the Engineer.)	-	-	-	-	-	-
113	Other obligations with regard to the General Items that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.1-1 (Carried forward to Total for Schedule 1.1)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.1-2 through Schedule 1.1-10: Not used

Schedule 1.1.11: Platform Screen Doors

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
1101	Design						
1101.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
1101.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
1101.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
1101.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 1101.1 to 1101.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1101						
1102	Manufacture, Transportation, Delivery and Storage						
1102.1	Manufacture of platform screen doors and associated accessories.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of platform screen doors and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
1102.2	Transportation of platform screen doors and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
1102.3	Delivery to the Contractor's secure storage area of platform screen doors and associated accessories.	sum	1				
	(Payment for each batch of platform screen doors and associated accessories delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1102						
1103	Installation and Testing						
	Delivery to the stations, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all related	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	subsystems) of all platform screen doors, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work for each station at the rate of one ninth (1/9) of the amount of Milestone No. 1103 per station.)	-	-	-	-	-	-
1104	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer’s acceptance of the System Acceptance Tests, Integrated Testing and Commissioning for the platform screen doors, and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment will be made based on the number of stations included within any completion certificates at the rate of one ninth (1/9) of the amount of Milestone No. 1104 per station.)	-	-	-	-	-	-
1105	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies),	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	and obtaining acceptance thereof from the Engineer.						
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
1106	Training, and Operation and Maintenance Manuals						
1106.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/ catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
1106.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training: - Maintenance Staff Training: and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1106						
1107	Other obligations with regard to the Platform Screen Doors that are considered necessary to comply with the Contract	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	but which are not covered in other Schedules and the above Milestone items.						
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.1-11 (Carried forward to Total for Schedule 1.1)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Total for Schedule 1.1

Schedules	Page	Amount	
		Local	Foreign
Schedule 1.1-1: General Items			
Schedule 1.1-2 through Schedule 1.1-10: Not used.		N/A	N/A
Schedule 1.1-11: Platform Screen Doors			
Schedule 1.1-12: Not used.		N/A	N/A
Total Amount of Schedule 1.1 (Carried forward to Grand Summary)			

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.2: Price Schedule for Section 2

Schedule 1.2-1: General Items

Mile Stone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
101	Preparation and submission of Project Management Plan and obtaining acceptance thereof from the Engineer.	sum	1				
102	Performance Security - see Grand Summary.	N/A	N/A	N/A	N/A	N/A	N/A
103	Insurance of Works and Contractor's Equipment.	sum	1				
104	Insurance against Injury to Persons and Damage to Property.	sum	1				
105	Establishment of Contractor's offices and other temporary Site facilities required by the Contractor.	sum	1				
106	Running and maintenance costs for Contractor's offices and other temporary Site facilities required by the Contractor.	sum	1				
107	Establishment of Employer/Engineer's offices and other temporary facilities required by the Employer/Engineer.	sum	1				
108	Running and maintenance costs for Employer/Engineer's offices and other temporary facilities required by the Employer/Engineer.	Sum	1				

Mile Stone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
109	Preparation, submission of the Program and obtaining acceptance thereof from the Engineer.	sum	1				
110	Contractor's supervision at the Site and other on-going obligations.	sum	1				
111	Removal of Contractor's office and other temporary facilities on the Site.	sum	1				
	<p>(Payment for Milestones 103, 104, 106, 108, and 110 will be paid in proportion to the overall duration of the Contractor's presence on the Site at the date of the relevant payment application, calculated from the date on which mobilization was fully completed, and based on the date when the Contractor is reasonably expected to be fully demobilized.)</p> <p>(Payment for Milestones 101, 105, 107, 109 and 111 will be paid for once each separate activity has been accepted as completed by the Engineer.)</p>	-	-	-	-	-	-
112	Providing necessary services during the Defects Notification Period (including materials and goods, management and operatives input, plus any necessary temporary facilities of any kind).	sum	1				

Mile Stone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made at the end of the Defects Notification Period after all rectification or replacement work has been undertaken to the satisfaction of the Engineer.)	-	-	-	-	-	-
113	Other obligations with regard to the General Items that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.2-1 (Carried forward to Total for Schedule 1.2)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.2-2: Track Works

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
201	Design						
201.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
201.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
201.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
201.4	Preparation, submission of the conceptual design, detailed design and manufacturing/fabrication drawings for the Maintenance Vehicles, and obtaining acceptance thereof from the Engineer.	sum	1				
201.5	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 201.1 to 201.5 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 201						

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
202	Manufacture, Transportation, Delivery and Storage						
202.1	Manufacture of rails and associated components (including, fastenings, turnouts, elastic pads, joints and other associated accessories).	sum	1				
	(Payment for each batch of rails and associated components loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
202.2	Transportation of rails and associated components from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required for the Project.)	-	-	-	-	-	-
202.3	Delivery to the Contractor's secure storage area of rails and associated components.	sum	1				
	(Payment for each batch of rails and associated components delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
202.4	Manufacture/supply of concrete/other sleepers and associated accessories.	sum	1				
	(Payment for each batch of sleepers and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
202.5	Transportation of sleepers and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
202.6	Delivery to the Contractor's secure storage area of concrete/other sleepers and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
202.7	Manufacture of Maintenance Vehicles incorporating all onboard systems equipment.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
202.8	Delivery of Maintenance Vehicles to Depot.	sum	1				
	(Payment for the Maintenance Vehicles will be made after delivery to the Depot and acceptance thereof by the Engineer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 202						
203	Construction, Installation and Testing						
	Delivery to the Site, construction, installation and testing of Track Works (including any ballast or sub-ballast requirements, pre-installation tests, post-installation tests and partial acceptance tests for all subsystems).	sum	1				
	(Payment for fully tested portions of installed Track Works that have been accepted by the Engineer will be made in proportion to the total length required.)	-	-	-	-	-	-
204	System Acceptance Tests, Integrated Testing and Commissioning						

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
204.1	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning, and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
204.2	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning for the Maintenance Vehicles.	sum	1				
	(Payment for each of the above two Milestones will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
	Sub-total for Milestone No. 203						
205	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
206	Training, and Operation and Maintenance Manuals						
206.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
206.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training requirements.)	-	-	-	-	-	-
	Sub-total for Milestone No. 206						

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
207	Other obligations with regard to the Track Works that are considered necessary to comply with the Contract but which are not covered in other schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.2-2 (Carried forward to Total for Schedule 1.2)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.2-3: Signaling System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
301	Design						
301.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
301.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
301.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
301.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 301.1 to 301.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 301						
302	Manufacture, Transportation, Delivery and Storage						
302.1	Manufacture of ATP, CBI, ATS and OCC equipment and associated accessories for rolling stock and fixed installations.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of ATP, CBI, ATS and OCC equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
302.2	Transportation of ATP, CBI, ATS and OCC equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
302.3	Delivery to the Contractor's secure storage area of ATP, CBI, ATS and OCC equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, , but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
302.4	Manufacture of various signaling equipment and associated accessories.	sum	1				
	(Payment for each batch of signaling equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
302.5	Transportation of signaling equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
302.6	Delivery to the Contractor's secure storage area of signaling equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required.)	-	-	-	-	-	-
	Sub-total for Milestone No. 302						
303	Construction, Installation and Testing						
303.1	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all station indoor equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made on completion of the above work for each station at the rate of one sixth (1/6) of the amount of Milestone No. 303.1 per station.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
303.2	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all Operating Control Center equipment in the Depot, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made on completion of the above work.)	-	-	-	-	-	-
303.3	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all outdoor and indoor equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required.)	-	-	-	-	-	-
303.4	Delivery, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of on-board equipment, and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made per train on completion of the integrated tests for each train at the rate of one twenty-sixth (1/26) of the amount of Milestone No. 303.4 per train.)	-	-	-	-	-	-
	Sub-total for Milestone No. 303						
304	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning, and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
305	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
306	Training, and Operation and Maintenance Manuals						
306.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/ catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format.), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
306.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 306						
307	Other obligations with regard to the Signaling System that are considered necessary to comply with the Contract, but which are not covered in other Schedules and the above Milestone items.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.2-3							
(Carried forward to Total for Schedule 1.2)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.2-4: Telecommunications

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
401	Design						
401.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
401.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
401.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining the acceptance thereof from the Engineer.	sum	1				
401.4	Compilation, submission of the as-built documents, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 401.1 to 401.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 401						
402	Manufacture, Transportation, Delivery and Storage						
402.1	Manufacture of various telecommunications equipment and associated accessories,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of telecommunications equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
402.2	Transportation of telecommunications equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
402.3	Delivery to the Contractor’s secure storage area of the telecommunications equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor’s storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 402						
403	Construction, Installation and Testing						
403.1	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	integrated tests for all subsystems) of all station indoor equipment, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work for each station at the rate of one sixth (1/6) of the amount of Milestone No. 403.1 per station.)	-	-	-	-	-	-
403.2	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all Operating Control Center equipment in the Depot, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made on completion of the above work)	-	-	-	-	-	-
403.3	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all outdoor and indoor equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required.)	-	-	-	-	-	-
403.4	Delivery, installation and testing (including pre-	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	installation tests, site acceptance tests and integrated tests for all subsystems) of on-board equipment, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made per train on completion of the integrated tests for each train at the rate of one twenty-sixth (1/26) of the amount of Milestone No. 403.4 per train.)	-	-	-	-	-	-
	Sub-total for Milestone No. 403						
404	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning, and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
405	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.						
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
406	Training, and Operation and Maintenance Manuals						
406.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format.), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
406.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 406						
407	Other obligations with regard to the Telecommunications	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.						
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.2-4							
(Carried forward to Total for Schedule 1.2)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.2-5: Power Supply System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
501	Design						
501.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
501.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
501.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
501.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 501.1 to 501.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 501						
502	Manufacture, Transportation, Delivery and Storage						
502.1	Manufacture of various power supply system equipment and associated accessories,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of supply system equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
502.2	Transportation of supply system equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
502.3	Delivery to the Contractor's secure storage area of power supply system equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required.)	-	-	-	-	-	-
	Sub-total for Milestone No. 502						
503	Construction, Installation and Tests						
503.1	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all power supply system equipment at substations, and obtaining	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work for each substation at the rate of one fourteenth (1/14) of the amount of Milestone No. 503.1 per substation.)	-	-	-	-	-	-
503.2	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all other power supply system equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 503						
504	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning, and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Authority for the commercial operation of the railway.						
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
505	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, special tools and testing equipment.)	-	-	-	-	-	-
506	Training, and Operation and Maintenance Manuals						
506.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
506.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 506						
507	Other obligations with regard to the Power Supply and Distribution System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.2-5							
(Carried forward to Total for Schedule 1.2)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.2-6: Power Distribution System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
601	Design						
601.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
601.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
601.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
601.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 601.1 to 601.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 601						
602	Manufacture, Transportation, Delivery and Storage						
602.1	Manufacture of various power distribution system equipment and associated accessories,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of power distribution system equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
602.2	Transportation of power distribution system equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
602.3	Delivery to the Contractor's secure storage area of power distribution system equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required.)	-	-	-	-	-	-
	Sub-total for Milestone No. 602						
603	Construction, Installation and Tests						
603.1	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all power distribution system equipment at substations, and obtaining	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work for each substation at the rate of one fourteenth (1/14) of the amount of Milestone No. 603.1 per substation.)	-	-	-	-	-	-
603.2	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all other power distribution system equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 603						
604	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning, and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Authority for the commercial operation of the railway.						
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
605	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, special tools and testing equipment.)	-	-	-	-	-	-
606	Training, and Operation and Maintenance Manuals						
606.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
606.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 606						
607	Other obligations with regard to the Power Distribution System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.2-6							
(Carried forward to Total for Schedule 1.2)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.2-7: Overhead Contact Line System

Milest one No.	Work Description (Milestone)	Unit	Qu anti ty	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
701	Design						
701.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
701.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
701.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
701.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 701.1 to 701.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 701						
702	Manufacture, Transportation, Delivery and Storage						
702.1	Manufacture of various overhead contact line system equipment, maintenance car and associated accessories (including support structures).	sum	1				

Milest one No.	Work Description (Milestone)	Unit	Qu anti ty	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of overhead contact line system equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
	(Payment for the maintenance car will be made when loaded for shipment to the Philippines.)	-	-	-	-	-	-
702.2	Transportation of overhead contact line system equipment and associated accessories (including support structures) from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
702.3	Transportation of maintenance car from the place of manufacture to the Philippines.	sum	1				
	(Payment will be made after safe arrival at the port of unloading in the Philippines.)	-	-	-	-	-	-
702.4	Delivery to the Contractor's secure storage area of the overhead contact line system equipment.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	if specifically designated as being items owned by the Employer.)						
702.5	Delivery to the Depot of the maintenance car.						
	(Payment will be made after safe arrival at the Depot and acceptance thereof from the Engineer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 702						
703	Construction, Installation and Tests						
	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all overhead contact line system equipment (including support structures) and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required.)	-	-	-	-	-	-
704	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning, and Completion of Test Running	sum	1				

Milest one No.	Work Description (Milestone)	Unit	Qu anti ty	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.						
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
705	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments including drawings and catalogue in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
706	Training and Operation and Maintenance Manuals						
706.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format.), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
706.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 706						
707	Other obligations with regard to the Overhead Catenary System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.2-7							
(Carried forward to Total for Schedule 1.2)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.2-8: Automatic Fare Collection System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
801	Design						
801.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
801.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
801.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
801.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 801.1 to 801.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 801						
802	Manufacture, Transportation, Delivery and Storage						
802.1	Manufacture of various automatic fare collection system equipment and associated accessories,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of automatic fare collection system equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
802.2	Transportation of automatic fare collection system equipment and associated accessories from the place of manufacture to the Philippines.						
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
802.3	Delivery to the Contractor's secure storage area of the automatic fare collection system equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 802						
803	Construction, Installation and Testing						
	Delivery to the Site, installation, and testing (including pre-installation	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	tests, site acceptance tests and integrated tests for all subsystems) of all automatic fare collection system equipment and accessories at the stations, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work for each station at the rate of one sixth (1/6) of the amount of Milestone No. 803 per station.)	-	-	-	-	-	-
804	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
805	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies)	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	and obtaining acceptance thereof from the Engineer.						
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
806	Training and Operation and Maintenance Manuals						
806.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
806.2	Conducting operation and maintenance training and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 806						
807	Other obligations with regard to the Automatic Fare Collection System that are considered necessary to	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	comply with the Contract but which are not covered in other Schedules and the above Milestone items.						
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.2-8							
(Carried forward to Total for Schedule 1.2)						_____	_____

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.2-9: Depot Facility

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
901	Design						
901.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
901.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
901.3	Preparation and submission of the construction and installation drawings and documents for the Depot and workshop equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
901.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 901.1 to 901.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 901						
902	Manufacture, Transportation, Delivery and Storage						
902.1	Manufacture of the depot and workshop equipment,	sum	1				
	(Payment will be made when the last batch of depot and workshop equipment has	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	been loaded for shipment to the Philippines.)						
902.2	Transportation of depot and workshop equipment from the place of manufacture to the Philippines.	sum	1				
	(Payment will be made when the last batch of depot and workshop equipment has arrived safely at the port of unloading in the Philippines.)	-	-	-	-	-	-
902.3	Delivery to the Contractor's secure storage of depot and workshop equipment.	sum	1				
	(Payment will be made after all depot and workshop equipment has been delivered to the Depot and accepted by the Engineer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 902						
903	Installation and Testing						
	Delivery to the depot/workshop, installation and testing (including pre-installation tests, post installation tests and partial acceptance tests for all subsystems) of all depot and workshop equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
904	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting, and obtaining the Engineer's acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
905	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Depot of spare parts, consumables, special tools, testing equipment and measurement instruments including drawings and catalogues in English (original plus 5 hard copies) and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts to the Depot.)	-	-	-	-	-	-
906	Training and Operation and Maintenance Manuals						
906.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
906.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 906						
907	Other obligations with regard to the depot and workshop equipment that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.2-9							
(Carried forward to Total for Schedule 1.2)						_____	_____

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.2-10 Training Facility

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
1001	Design						
1001.1	Preparation and submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
1001.2	Preparation and submission of the details of the equipment and facilities required for the training center and obtaining acceptance thereof from the Engineer.	sum	1				
1001.3	Preparation and submission of the construction and installation drawings and documents for the training equipment and facilities required, and obtaining acceptance thereof from the Engineer.	sum	1				
1001.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 1001.1 to 1001.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 901						
1002	Manufacture, Transportation, Delivery and Storage						
1002.1	Manufacture of the training equipment and facilities.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made when the last batch of depot and training equipment and facilities has been loaded for shipment to the Philippines.)	-	-	-	-	-	-
1002.2	Transportation of training equipment and facilities from the place of manufacture to the Philippines.	sum	1				
	(Payment will be made when the last batch of training equipment and facilities has arrived safely at the port of unloading in the Philippines.)	-	-	-	-	-	-
1002.3	Delivery to the Contractor's secure storage of training equipment and facilities.	sum	1				
	(Payment will be made after all training equipment and facilities have been delivered to the training facility and accepted by the Engineer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1002						
1003	Installation and Testing						
	Delivery to the training facility, installation, and testing (including pre-installation tests, post-installation tests and partial acceptance tests) of all the training equipment and facilities, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for the above Milestone will be made upon	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	completion of all required tests and commissioning.)						
1004	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogue in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
1005	Training and Operation and Maintenance Manuals						
1005.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
1005.2	Conducting operation and maintenance training and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Sub-total for Milestone No. 1005						
1006	Other obligations with regard to the Training Facility that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.2-10							
(Carried forward to Total for Schedule 1.2)						_____	_____

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.2-11: Platform Screen Doors

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
1101	Design						
1101.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
1101.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
1101.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
1101.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 1101.1 to 1101.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1101						
1102	Manufacture, Transportation, Delivery and Storage						
1102.1	Manufacture of platform screen doors and associated accessories.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of platform screen doors and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
1102.2	Transportation of platform screen doors and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
1102.3	Delivery to the Contractor's secure storage area of platform screen doors. (Payment on each delivery will be made in proportion to the total quantities required, based on the Contractor's materials procurement plan and delivery schedule agreed by the Engineer.)	sum	1				
	(Payment for each batch of platform screen doors and associated accessories delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Sub-total for Milestone No. 1102						
1103	Installation and Testing						
	Delivery to the stations, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all related subsystems) of all platform screen doors, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made based on completion of the above work for each station at the rate of one seventh (1/7) of the amount of Milestone No. 1103 per station.)	-	-	-	-	-	-
1104	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Tests for the platform screen doors, Commissioning Tests, and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment will be made based on the number of stations included within any completion certificates at the rate of one seventh (1/7) of the amount of Milestone No. 1104 per station.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
1105	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
1106	Training and Operation and Maintenance Manuals						
1106.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
1106.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1106						
1107	Other obligations with regard to the Platform Screen Doors, that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.2-11							
(Carried forward to Total for Schedule 1.2)						_____	_____

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.2-12: Computerized Maintenance Management System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
1201	Design						
1201.1	Preparation and submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
1201.2	Preparation and submission of the details of the equipment and facilities required for the training center and obtaining acceptance thereof from the Engineer.	sum	1				
1201.3	Preparation and submission of the construction and installation drawings and documents for the training equipment and facilities required, and obtaining acceptance thereof from the Engineer.	sum	1				
1201.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 1201.1 to 1201.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1201						
1202	Manufacture, Transportation, Delivery and Storage						

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
1202.1	Manufacture of the training equipment and facilities.	sum	1				
	(Payment will be made when the last batch of depot and training equipment and facilities has been loaded for shipment to the Philippines.)	-	-	-	-	-	-
1202.2	Transportation of training equipment and facilities from the place of manufacture to the Philippines.	sum	1				
	(Payment will be made when the last batch of training equipment and facilities has arrived safely at the port of unloading in the Philippines.)	-	-	-	-	-	-
1202.3	Delivery to the Contractor's secure storage of training equipment and facilities.	sum	1				
	(Payment will be made after all training equipment and facilities have been delivered to the training facility and accepted by the Engineer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1202						
1203	Installation and Testing						
	Delivery to the training facility, installation, and testing (including pre-installation tests, post-installation tests and partial acceptance tests) of all the training equipment and facilities, and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
1204	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogue in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
1205	Training and Operation and Maintenance Manuals						
1205.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
1205.2	Conducting operation and maintenance training and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1205						
1206	Other obligations with regard to the Training Facility that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.2-12							
(Carried forward to Total for Schedule 1.2)						_____	_____

Total for Schedule 1.2

Schedules	Page	Amount	
		Local	Foreign
Schedule 1.2 -1: General Items			
Schedule 1.2-2: Track Works			
Schedule 1.2-3: Signaling System			
Schedule 1.2-4: Telecommunications			
Schedule 1.2-5: Power Supply System			
Schedule 1.2-6: Power Distribution System			
Schedule 1.2-7: Overhead Contact Line System			
Schedule 1.2-8: Automatic Fare Collection System			
Schedule 1.2-9: Depot Facility			
Schedule 1.2-10: Training Facility			
Schedule 1.2-11: Platform Screen Doors			
Schedule 1.2-12: Computerized Maintenance Management System			
Total Amount of Schedule 1.2 (Carried forward to Grand Summary)			

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.3: Price Schedule for Section 3

Schedule 1.3-1: General Items

Mile Stone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
101	Preparation and submission of Project Management Plan and obtaining approval thereof from the Engineer.	sum	1				
102	Performance Security – see Grand Summary.	N/A	N/A	N/A	N/A	N/A	N/A
103	Insurance of Works and Contractor’s Equipment.	sum	1				
104	Insurance against Injury to Persons and Damage to Property.	sum	1				
105	Establishment of Contractor’s offices and other temporary Site facilities required by the Contractor.	sum	1				
106	Running and maintenance costs for Contractor’s offices and other temporary Site facilities required by the Contractor.	sum	1				
107	Establishment of Employer/Engineer’s offices and other temporary facilities required by the Employer/Engineer.	sum	1				
108	Running and maintenance costs for Employer/Engineer’s offices and other temporary facilities required by the Employer/Engineer.	sum	1				

Mile Stone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
109	Preparation, submission of the Program and obtaining acceptance thereof from the Engineer.	sum	1				
110	Contractor's supervision at the Site and other on-going obligations.	sum	1				
111	Removal of Contractor's office and other facilities from the Site.	sum	1				
	<p>(Payment for Milestones 103, 104, 106, 108, and 110 will be paid for in proportion to the overall duration of the Contractor's presence on the Site at the date of the relevant payment application, calculated from the date on which mobilization was fully completed, and based on the date when the Contractor is reasonably expected to be fully demobilized.)</p> <p>(Payment for Milestones 101, 105, 107, 109 and 111 will be paid for once each separate activity has been accepted as completed by the Engineer.)</p>	-	-	-	-	-	-
112	Providing necessary services during the Defects Notification Period (including materials and goods, management and operatives input, plus any necessary temporary facilities of any kind).	sum	1				

Mile Stone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made at the end of the Defects Notification Period after all rectification or replacement work has been undertaken to the satisfaction of the Engineer.)	-	-	-	-	-	-
113	Other obligations with regard to the General Items that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.3-1							
(Carried forward to Total for Schedule 1.3)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.3-2: Track Works

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
201	Design						
201.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
201.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
201.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
201.4	Preparation, submission of the conceptual design, detailed design and manufacturing/fabrication drawings for the Maintenance Vehicles, and obtaining acceptance thereof from the Engineer.	sum	1				
201.5	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 201.1 to 201.5 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 201						

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
202	Manufacture, Transportation, Delivery and Storage						
202.1	Manufacture of rails and associated components (including, fastenings, turnouts, elastic pads, joints and other associated accessories).	sum	1				
	(Payment for each batch of rails and associated components loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
202.2	Transportation of rails and associated components from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required for the Project.)	-	-	-	-	-	-
202.3	Delivery to the Contractor's secure storage area of rails and associated components.	sum	1				
	(Payment for each batch of rails and associated components delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
202.4	Manufacture/supply of concrete/other sleepers and associated accessories.	sum	1				
	(Payment for each batch of sleepers and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
202.5	Transportation of sleepers and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
202.6	Delivery to the Contractor's secure storage area of concrete/other sleepers and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
202.7	Manufacture of Maintenance Vehicles incorporating all onboard systems equipment.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
202.8	Delivery of Maintenance Vehicles to Depot.	sum	1				
	(Payment for the Maintenance Vehicles will be made after delivery to the Depot and acceptance thereof by the Engineer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 202						
203	Construction, Installation and Testing						
	Delivery to the Site, construction, installation and testing of Track Works (including any ballast or sub-ballast requirements, pre-installation tests, post-installation tests and partial acceptance tests for all subsystems).	sum	1				
	(Payment for fully tested portions of installed Track Works that have been accepted by the Engineer will be made in proportion to the total length required.)	-	-	-	-	-	-
204	System Acceptance Tests, Integrated Testing and Commissioning						

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
204.1	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
204.2	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning for the Maintenance Vehicles.	sum	1				
	(Payment for each of the above two Milestones will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
	Sub-total for Milestone No. 204						
205	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
206	Training, and Operation and Maintenance Manuals						
206.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
206.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training requirements.)	-	-	-	-	-	-
	Sub-total for Milestone No. 206						

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
207	Other obligations with regard to the Track Works that are considered necessary to comply with the Contract but which are not covered in other schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.3-2 (Carried forward to Total for Schedule 1.3)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.3-3: Signaling System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
301	Design						
301.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
301.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
301.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
301.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 301.1 to 301.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 301						
302	Manufacture, Transportation, Delivery and Storage						
302.1	Manufacture of ATP, CBI, ATS and OCC equipment and associated accessories for rolling stock and fixed installations.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of ATP, CBI, ATS and OCC equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
302.2	Transportation of ATP, CBI, ATS and OCC equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
302.3	Delivery to the Contractor's secure storage area of ATP, CBI, ATS and OCC equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, , but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
302.4	Manufacture of various signaling equipment and associated accessories.	sum	1				
	(Payment for each batch of signaling equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
302.5	Transportation of signaling equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
302.6	Delivery to the Contractor's secure storage area of signaling equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required.)	-	-	-	-	-	-
	Sub-total for Milestone No. 302						
303	Construction, Installation and Testing						
303.1	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all station indoor equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made on completion of the above work for each station at the rate of one sixth (1/6) of the amount of Milestone No. 303.1 per station.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
303.2	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all Operating Control Center equipment in the Depot, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made on completion of the above work.)	-	-	-	-	-	-
303.3	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all outdoor and indoor equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required.)	-	-	-	-	-	-
303.4	Delivery, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of on-board equipment, and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made per train on completion of the integrated tests for each train at the rate of one twenty-sixth (1/26) of the amount of Milestone No. 303.4 per train.)	-	-	-	-	-	-
	Sub-total for Milestone No. 303						
304	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
305	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
306	Training, and Operation and Maintenance Manuals						
306.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/ catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format.), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
306.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 306						
307	Other obligations with regard to the Signaling System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.3-3							
(Carried forward to Total for Schedule 1.3)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.3-4: Telecommunications

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
401	Design						
401.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
401.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
401.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining the acceptance thereof from the Engineer.	sum	1				
401.4	Compilation, submission of the as-built documents, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 401.1 to 401.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 401						
402	Manufacture, Transportation, Delivery and Storage						
402.1	Manufacture of various telecommunications equipment and associated accessories,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of telecommunications equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
402.2	Transportation of telecommunications equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
402.3	Delivery to the Contractor's secure storage area of the telecommunications equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 402						
403	Construction, Installation and Testing						
403.1	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	integrated tests for all subsystems) of all station indoor equipment, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work.)	-	-	-	-	-	-
403.2	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all outdoor and indoor equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required.)	-	-	-	-	-	-
	Sub-total for Milestone No. 403						
404	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
405	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
406	Training, and Operation and Maintenance Manuals						
406.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format.), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
406.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training;	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	- Maintenance Staff Training; and - Engineering Staff Training.						
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 406						
407	Other obligations with regard to the Telecommunications System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.3-4							
(Carried forward to Total for Schedule 1.3)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.3-5: Power Supply System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
501	Design						
501.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
501.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
501.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
501.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 501.1 to 501.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 501						
502	Manufacture, Transportation, Delivery and Storage						
502.1	Manufacture of various power supply system equipment and associated accessories,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of power supply system equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
502.2	Transportation of power supply system equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
502.3	Delivery to the Contractor's secure storage area of power supply system equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required.)	-	-	-	-	-	-
	Sub-total for Milestone No. 502						
503	Construction, Installation and Tests						
503.1	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all power supply system equipment, and	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	obtaining acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work.)	-	-	-	-	-	-
504	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
505	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
506	Training, and Operation and Maintenance Manuals						
506.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
506.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 506						
507	Other obligations with regard to the Power Supply System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.3-5							
(Carried forward to Total for Schedule 1.3)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.3-6: Power Distribution System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
601	Design						
601.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
601.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
601.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
601.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 601.1 to 601.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 601						
602	Manufacture, Transportation, Delivery and Storage						
602.1	Manufacture of various power distribution system equipment and associated accessories,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of power distribution system equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
602.2	Transportation of power distribution system equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
602.3	Delivery to the Contractor's secure storage area of power distribution system equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required.)	-	-	-	-	-	-
	Sub-total for Milestone No. 602						
603	Construction, Installation and Tests						
603.1	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all power distribution equipment, and	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	obtaining acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work.)	-	-	-	-	-	-
604	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
605	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
606	Training, and Operation and Maintenance Manuals						
606.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
606.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 606						
607	Other obligations with regard to the Power Distribution System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.3-6							
(Carried forward to Total for Schedule 1.3)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.3-7: Overhead Contact Line System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
701	Design						
701.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
701.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
701.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
701.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 701.1 to 701.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 701						
702	Manufacture, Transportation, Delivery and Storage						
702.1	Manufacture of various overhead contact line system equipment and associated accessories (including support structures).	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of overhead contact line system equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
702.2	Transportation of overhead contact line system equipment and associated accessories (including support structures) from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
702.3	Delivery to the Contractor's secure storage area of the overhead contact line system equipment.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 702						

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
703	Construction, Installation and Tests						
	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all overhead contact line system equipment (including support structures) and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required.)	-	-	-	-	-	-
704	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
705	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments including drawings and catalogue in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
706	Training and Operation and Maintenance Manuals						
706.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format.), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
706.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 706						
707	Other obligations with regard to the Overhead Catenary Line System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.3-7							
(Carried forward to Total for Schedule 1.3)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.3-8: Automatic Fare Collection System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
801	Design						
801.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
801.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
801.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
801.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 801.1 to 801.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 801						
802	Manufacture, Transportation, Delivery and Storage						
802.1	Manufacture of various automatic fare collection system equipment and associated accessories,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of automatic fare collection system equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
802.2	Transportation of automatic fare collection system equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
802.3	Delivery to the Contractor's secure storage area of the automatic fare collection system equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 802						
803	Construction, Installation and Testing						
	Delivery to the Site, installation, and testing (including pre-installation	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	tests, site acceptance tests and integrated tests for all subsystems) of all automatic fare collection system equipment and accessories at the stations, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work.)	-	-	-	-	-	-
804	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
805	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies) and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
806	Training and Operation and Maintenance Manuals						
806.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
806.2	Conducting operation and maintenance training and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 806						
807	Other obligations with regard to the Automatic Fare Collection System that are considered necessary to comply with the Contract but which are not covered in	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	other Schedules and the above Milestone items.						
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.3-8							
(Carried forward to Total for Schedule 1.3)						_____	_____

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.3-9: Not used

Schedule 1.3-10: Not used

Schedule 1.3-11: Platform Screen Doors

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
1101	Design						
1101.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
1101.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
1101.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
1101.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 1101.1 to 1101.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1101						
1102	Manufacture, Transportation, Delivery and Storage						
1102.1	Manufacture of platform screen doors and associated accessories.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of platform screen doors and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
1102.2	Transportation of platform screen doors and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
1102.3	Delivery to the Contractor's secure storage area of platform screen doors. (Payment on each delivery will be made in proportion to the total quantities required, based on the Contractor's materials procurement plan and delivery schedule agreed by the Engineer.)	sum	1				
	(Payment for each batch of platform screen doors and associated accessories delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Sub-total for Milestone No. 1102						
1103	Installation and Testing						
	Delivery to the stations, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all related subsystems) of all platform screen doors, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made based on completion of the above work.)	-	-	-	-	-	-
1104	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Tests for the platform screen doors, Commissioning Tests, and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment will be made following issuance of the completion certificate for the station)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
1105	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
1106	Training and Operation and Maintenance Manuals						
1106.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
1106.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1106						
1107	Other obligations with regard to the Platform Screen Doors, that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.3-11							
(Carried forward to Total for Schedule 1.3)						_____	_____

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.3-12: Computerized Maintenance Management System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
1201	Design						
1201.1	Preparation and submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
1201.2	Preparation and submission of the details of the equipment and facilities required for the training center and obtaining acceptance thereof from the Engineer.	sum	1				
1201.3	Preparation and submission of the construction and installation drawings and documents for the training equipment and facilities required, and obtaining acceptance thereof from the Engineer.	sum	1				
1201.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 1201.1 to 1201.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1201						
1202	Manufacture, Transportation, Delivery and Storage						
1202.1	Manufacture of the training equipment and facilities.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made when the last batch of depot and training equipment and facilities has been loaded for shipment to the Philippines.)	-	-	-	-	-	-
1202.2	Transportation of training equipment and facilities from the place of manufacture to the Philippines.	sum	1				
	(Payment will be made when the last batch of training equipment and facilities has arrived safely at the port of unloading in the Philippines.)	-	-	-	-	-	-
1202.3	Delivery to the Contractor's secure storage of training equipment and facilities.	sum	1				
	(Payment will be made after all training equipment and facilities have been delivered to the training facility and accepted by the Engineer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1202						
1203	Installation and Testing						
	Delivery to the training facility, installation, and testing (including pre-installation tests, post-installation tests and partial acceptance tests) of all the training equipment and facilities, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for the above Milestone will be made upon	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	completion of all required tests and commissioning.)						
1204	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogue in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
1205	Training and Operation and Maintenance Manuals						
1205.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
1205.2	Conducting operation and maintenance training and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Sub-total for Milestone No. 1205						
1206	Other obligations with regard to the Training Facility that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.3-12							
(Carried forward to Total for Schedule 1.3)						_____	_____

Total for Schedule 1.3

Schedules	Page	Amount	
		Local	Foreign
Schedule 1.3 -1: General Items			
Schedule 1.3-2: Track Works			
Schedule 1.3-3: Signaling System			
Schedule 1.3-4: Telecommunications			
Schedule 1.3-5: Power Supply System			
Schedule 1.3-6: Power Distribution System			
Schedule 1.3-7: Overhead Contact Line System			
Schedule 1.3-8: Automatic Fare Collection System			
Schedule 1.3-9: Not used		N/A	N/A
Schedule 1.3-10: Not used		N/A	N/A
Schedule 1.3-10: Platform Screen Doors			
Schedule 1.3-12: Computerized Maintenance Management System			
Total Amount of Schedule 1.3 (Carried forward to Grand Summary)			

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.4: Price Schedule for Section 4

Schedule 1.4-1: General Items

Mile Stone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
101	Preparation and submission of Project Management Plan and obtaining acceptance thereof from the Engineer.	sum	1				
102	Performance Security - see Grand Summary.	N/A	N/A	N/A	N/A	N/A	N/A
103	Insurance of Works and Contractor's Equipment.	sum	1				
104	Insurance against Injury to Persons and Damage to Property.	sum	1				
105	Establishment of Contractor's offices and other temporary Site facilities required by the Contractor..	sum	1				
106	Running and maintenance costs for Contractor's offices and other temporary Site facilities required by the Contractor.	sum	1				
107	Establishment of Employer/Engineer's offices and other temporary facilities required by the Employer/Engineer.	sum	1				
108	Running and maintenance costs for Employer/Engineer's offices and other temporary facilities required by the Employer/Engineer.	Sum	1				

Mile Stone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
109	Preparation, submission of the Program and obtaining acceptance thereof from the Engineer.	sum	1				
110	Contractor’s supervision at the Site and other on-going obligations.	sum	1				
111	Removal of Contractor’s office and other temporary facilities on the Site.	sum	1				
	<p>(Payment for Milestones 103, 104, 106, 108, and 110 will be paid for in proportion to the overall duration of the Contractor’s presence on the Site at the date of the relevant payment application, calculated from the date on which mobilization was fully completed, and based on the date when the Contractor is reasonably expected to be fully demobilized.)</p> <p>(Payment for Milestones 101, 105, 107, 109 and 111 will be paid for once each separate activity has been accepted as completed by the Engineer.)</p>	-	-	-	-	-	-
112	Providing necessary services during the Defects Notification Period (including materials and goods, management and operatives input, plus any necessary temporary facilities of any kind).	sum	1				

Mile Stone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made at the end of the Defects Notification Period after all rectification or replacement work has been undertaken to the satisfaction of the Engineer.)	-	-	-	-	-	-
113	Other obligations with regard to the General Items that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.4-1 (Carried forward to Total for Schedule 1.4)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.4-2: Track Works

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
201	Design						
201.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
201.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
201.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
201.4	Preparation, submission of the conceptual design, detailed design and manufacturing/fabrication drawings for the Maintenance Vehicles, and obtaining acceptance thereof from the Engineer.	sum	1				
201.5	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 201.1 to 201.5 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 201						

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
202	Manufacture, Transportation, Delivery and Storage						
202.1	Manufacture of rails and associated components (including, fastenings, turnouts, elastic pads, joints and other associated accessories).	sum	1				
	(Payment for each batch of rails and associated components loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
202.2	Transportation of rails and associated components from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required for the Project.)	-	-	-	-	-	-
202.3	Delivery to the Contractor's secure storage area of rails and associated components.	sum	1				
	(Payment for each batch of rails and associated components delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
202.4	Manufacture/supply of concrete/other sleepers and associated accessories.	sum	1				
	(Payment for each batch of sleepers and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
202.5	Transportation of sleepers and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
202.6	Delivery to the Contractor's secure storage area of concrete/other sleepers and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
202.7	Manufacture of Maintenance Vehicles incorporating all onboard systems equipment.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
202.8	Delivery of Maintenance Vehicles to Depot.	sum	1				
	(Payment for the Maintenance Vehicles will be made after delivery to the Depot and acceptance thereof by the Engineer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 202						
203	Construction, Installation and Testing						
	Delivery to the Site, construction, installation and testing of Track Works (including any ballast or sub-ballast requirements, pre-installation tests, post-installation tests and partial acceptance tests for all subsystems).	sum	1				
	(Payment for fully tested portions of installed Track Works that have been accepted by the Engineer will be made in proportion to the total length required.)	-	-	-	-	-	-
204	System Acceptance Tests, Integrated Testing and Commissioning						

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
204.1	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
204.2	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning for the Maintenance Vehicles.	sum	1				
	(Payment for each of the above two Milestones will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
	Sub-total for Milestone No. 203						
205	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
206	Training, and Operation and Maintenance Manuals						
206.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
206.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training requirements.)	-	-	-	-	-	-
	Sub-total for Milestone No. 206						

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
207	Other obligations with regard to the Track Works that are considered necessary to comply with the Contract but which are not covered in other schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.4-2 (Carried forward to Total for Schedule 1.4)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.4-3: Signaling System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
301	Design						
301.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
301.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
301.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
301.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 301.1 to 301.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 301						
302	Manufacture, Transportation, Delivery and Storage						
302.1	Manufacture of ATP, CBI, ATS and OCC equipment and associated accessories for rolling stock and fixed installations.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of ATP, CBI, ATS and OCC equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
302.2	Transportation of ATP, CBI, ATS and OCC equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
302.3	Delivery to the Contractor's secure storage area of ATP, CBI, ATS and OCC equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
302.4	Manufacture of various signaling equipment and associated accessories.	sum	1				
	(Payment for each batch of signaling equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
302.5	Transportation of signaling equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
302.6	Delivery to the Contractor's secure storage area of signaling equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required.)	-	-	-	-	-	-
	Sub-total for Milestone No. 302						
303	Construction, Installation and Testing						
303.1	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all station indoor equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made on completion of the above work for each station at the rate of one ninth (1/9) of the amount of Milestone No. 303.1 per station.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
303.2	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all Operating Control Center equipment in the Depot, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made on completion of the above work.)	-	-	-	-	-	-
303.3	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all outdoor and indoor equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required.)	-	-	-	-	-	-
303.4	Delivery, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of on-board equipment, and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made per train on completion of the integrated tests for each train at the rate of one nineteenth (1/19) of the amount of Milestone No. 303.4 per train.)	-	-	-	-	-	-
	Sub-total for Milestone No. 303						
304	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
305	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
306	Training, and Operation and Maintenance Manuals						
306.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/ catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format.), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
306.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 306						
307	Other obligations with regard to the Signaling System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.4-3							
(Carried forward to Total for Schedule 1.4)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.4-4: Telecommunications

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
401	Design						
401.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
401.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
401.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining the acceptance thereof from the Engineer.	sum	1				
401.4	Compilation, submission of the as-built documents, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 401.1 to 401.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 401						
402	Manufacture, Transportation, Delivery and Storage						
402.1	Manufacture of various telecommunications equipment and associated accessories,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of telecommunications equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
402.2	Transportation of telecommunications equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
402.3	Delivery to the Contractor's secure storage area of the telecommunications equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 402						
403	Construction, Installation and Testing						
403.1	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	integrated tests for all subsystems) of all station indoor equipment, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work for each station at the rate of one ninth (1/9) of the amount of Milestone No. 403.1 per station.)	-	-	-	-	-	-
403.2	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all Operating Control Center equipment in the Depot, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made on completion of the above work)	-	-	-	-	-	-
403.3	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all outdoor and indoor equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
403.4	Delivery, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of on-board equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made per train on completion of the integrated tests for each train at the rate of one nineteenth (1/19) of the amount of Milestone No. 403.4 per train.)	-	-	-	-	-	-
	Sub-total for Milestone No. 403						
404	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
405	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
406	Training, and Operation and Maintenance Manuals						
406.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format.), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
406.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 406						
407	Other obligations with regard to the Telecommunications System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.4-4							
(Carried forward to Total for Schedule 1.4)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.4-5: Power Supply System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
501	Design						
501.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
501.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
501.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
501.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 501.1 to 501.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 501						
502	Manufacture, Transportation, Delivery and Storage						
502.1	Manufacture of various power supply system equipment and associated accessories,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of power supply system equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
502.2	Transportation of power supply system equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
502.3	Delivery to the Contractor's secure storage area of power supply system equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required.)	-	-	-	-	-	-
	Sub-total for Milestone No. 502						
503	Construction, Installation and Tests						
503.1	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all power supply system equipment at substations, and obtaining	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work for each substation at the rate of one eighteenth (1/18) of the amount of Milestone No. 503.1 per substation.)	-	-	-	-	-	-
503.2	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all other power supply system equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 503						
504	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Authority for the commercial operation of the railway.						
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
505	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
506	Training, and Operation and Maintenance Manuals						
506.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
506.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 506						
507	Other obligations with regard to the Power Supply System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.4-5							
(Carried forward to Total for Schedule 1.4)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.4-6: Power Distribution System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
601	Design						
601.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
601.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
601.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
601.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 601.1 to 601.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 601						
602	Manufacture, Transportation, Delivery and Storage						
602.1	Manufacture of various power distribution system equipment and associated accessories,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of power distribution system equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
602.2	Transportation of power distribution system equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
602.3	Delivery to the Contractor's secure storage area of power distribution system equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required.)	-	-	-	-	-	-
	Sub-total for Milestone No. 602						
603	Construction, Installation and Tests						
603.1	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all power distribution equipment at substations, and obtaining	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work for each substation at the rate of one eighteenth (1/18) of the amount of Milestone No. 503.1 per substation.)	-	-	-	-	-	-
603.2	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all other power distribution equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 603						
604	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer's acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Authority for the commercial operation of the railway.						
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
605	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
606	Training, and Operation and Maintenance Manuals						
606.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
606.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 606						
607	Other obligations with regard to the Power Distribution System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.4-6							
(Carried forward to Total for Schedule 1.4)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.4-7: Overhead Contact Line System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
701	Design						
701.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
701.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
701.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
701.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 701.1 to 701.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 701						
702	Manufacture, Transportation, Delivery and Storage						
702.1	Manufacture of various overhead contact line system equipment, maintenance car and associated accessories (including support structures).	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of overhead contact line system equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
	(Payment for the maintenance car will be made when loaded for shipment to the Philippines.)	-	-	-	-	-	-
702.2	Transportation of overhead contact line system equipment and associated accessories (including support structures) from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
702.3	Transportation of maintenance car from the place of manufacture to the Philippines.	sum	1				
	(Payment will be made after safe arrival at the port of unloading in the Philippines.)	-	-	-	-	-	-
702.4	Delivery to the Contractor's secure storage area of the overhead contact line system equipment.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	if specifically designated as being items owned by the Employer.)						
702.5	Delivery to the Depot of the maintenance car.	sum	1				
	(Payment will be made after safe arrival at the Depot and acceptance thereof from the Engineer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 702						
703	Construction, Installation and Tests						
	Delivery to the Site, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all overhead contact line system equipment (including support structures) and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required.)	-	-	-	-	-	-
704	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting, and obtaining the Engineer's acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.						
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
705	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments including drawings and catalogue in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
706	Training and Operation and Maintenance Manuals						
706.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format.), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
706.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 706						
707	Other obligations with regard to the Overhead Catenary Line System that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.4-7							
(Carried forward to Total for Schedule 1.4)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

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Schedule 1.4-8: Automatic Fare Collection System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
801	Design						
801.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
801.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
801.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
801.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 801.1 to 801.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 801						
802	Manufacture, Transportation, Delivery and Storage						
802.1	Manufacture of various automatic fare collection system equipment and associated accessories,	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of automatic fare collection system equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
802.2	Transportation of automatic fare collection system equipment and associated accessories from the place of manufacture to the Philippines.						
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
802.3	Delivery to the Contractor's secure storage area of the automatic fare collection system equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 802						
803	Construction, Installation and Testing						
	Delivery to the Site, installation, and testing (including pre-installation	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	tests, site acceptance tests and integrated tests for all subsystems) of all automatic fare collection system equipment and accessories at the stations, and obtaining acceptance thereof from the Engineer.						
	(Payment will be made based on completion of the above work for each station at the rate of one ninth (1/9) of the amount of Milestone No. 803 per station.)	-	-	-	-	-	-
804	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
805	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies)	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	and obtaining acceptance thereof from the Engineer.						
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
806	Training and Operation and Maintenance Manuals						
806.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
806.2	Conducting operation and maintenance training and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 806						
807	Other obligations with regard to the Automatic Fare Collection System that are considered necessary to	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	comply with the Contract but which are not covered in other Schedules and the above Milestone items.						
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.4-8							
(Carried forward to Total for Schedule 1.4)						_____	_____

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.4-9: Depot Facility

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
901	Design						
901.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
901.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
901.3	Preparation and submission of the construction and installation drawings and documents for the Depot and workshop equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
901.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 901.1 to 901.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 901						
902	Manufacture, Transportation, Delivery and Storage						
902.1	Manufacture of the depot and workshop equipment,	sum	1				
	(Payment will be made when the last batch of depot and workshop equipment has	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	been loaded for shipment to the Philippines.)						
902.2	Transportation of depot and workshop equipment from the place of manufacture to the Philippines.	sum	1				
	(Payment will be made when the last batch of depot and workshop equipment has arrived safely at the port of unloading in the Philippines.)	-	-	-	-	-	-
902.3	Delivery to the Contractor’s secure storage of depot and workshop equipment.	sum	1				
	(Payment will be made after all depot and workshop equipment has been delivered to the Depot and accepted by the Engineer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 902						
903	Installation and Testing						
	Delivery to the depot/workshop, installation and testing (including pre-installation tests, post installation tests and partial acceptance tests for all subsystems) of all depot and workshop equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
904	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
905	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Depot of spare parts, consumables, special tools, testing equipment and measurement instruments including drawings and catalogues in English (original plus 5 hard copies) and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts to the Depot.)	-	-	-	-	-	-
906	Training and Operation and Maintenance Manuals						
906.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
906.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 906						
907	Other obligations with regard to the depot and workshop equipment that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.4-9							
(Carried forward to Total for Schedule 1.4)						_____	_____

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.4-10: Not used

Schedule 1.4-11: Platform Screen Doors

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
1101	Design						
1101.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
1101.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
1101.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
1101.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 1101.1 to 1101.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1101						
1102	Manufacture, Transportation, Delivery and Storage						
1102.1	Manufacture of platform screen doors and associated accessories.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of platform screen doors and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
1102.2	Transportation of platform screen doors and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
1102.3	Delivery to the Contractor's secure storage area of platform screen doors. (Payment on each delivery will be made in proportion to the total quantities required, based on the Contractor's materials procurement plan and delivery schedule agreed by the Engineer.)	sum	1				
	(Payment for each batch of platform screen doors and associated accessories delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Sub-total for Milestone No. 1102						
1103	Installation and Testing						
	Delivery to the stations, installation, and testing (including pre-installation tests, site acceptance tests and integrated tests for all related subsystems) of all platform screen doors, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made based on completion of the above work for each station at the rate of one ninth (1/9) of the amount of Milestone No. 1103 per station.)	-	-	-	-	-	-
1104	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Tests for the platform screen doors, Commissioning Tests, and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment will be made based on the number of stations included within any completion certificates at the rate of one ninth (1/9) of the amount of Milestone No. 1104 per station.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
1105	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-
1106	Training and Operation and Maintenance Manuals						
1106.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
1106.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1106						
1107	Other obligations with regard to the Platform Screen Doors, that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.4-11							
(Carried forward to Total for Schedule 1.4)						_____	_____

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.4-12: Computerized Maintenance Management System

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
1201	Design						
1201.1	Preparation and submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
1201.2	Preparation and submission of the details of the equipment and facilities required for the training center and obtaining acceptance thereof from the Engineer.	sum	1				
1201.3	Preparation and submission of the construction and installation drawings and documents for the training equipment and facilities required, and obtaining acceptance thereof from the Engineer.	sum	1				
1201.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones 1201.1 to 1201.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1201						
1202	Manufacture, Transportation, Delivery and Storage						
1202.1	Manufacture of the training equipment and facilities.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment will be made when the last batch of depot and training equipment and facilities has been loaded for shipment to the Philippines.)	-	-	-	-	-	-
1202.2	Transportation of training equipment and facilities from the place of manufacture to the Philippines.	sum	1				
	(Payment will be made when the last batch of training equipment and facilities has arrived safely at the port of unloading in the Philippines.)	-	-	-	-	-	-
1202.3	Delivery to the Contractor's secure storage of training equipment and facilities.	sum	1				
	(Payment will be made after all training equipment and facilities have been delivered to the training facility and accepted by the Engineer.)	-	-	-	-	-	-
	Sub-total for Milestone No. 1202						
1203	Installation and Testing						
	Delivery to the training facility, installation, and testing (including pre-installation tests, post-installation tests and partial acceptance tests) of all the training equipment and facilities, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for the above Milestone will be made upon	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	completion of all required tests and commissioning.)						
1204	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogue in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
1205	Training and Operation and Maintenance Manuals						
1205.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
1205.2	Conducting operation and maintenance training and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Sub-total for Milestone No. 1205						
1206	Other obligations with regard to the Training Facility that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
	Note: The Bidder may the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.4-12							
(Carried forward to Total for Schedule 1.4)						_____	_____

Total for Schedule 1.4

Schedules	Page	Amount	
		Local	Foreign
Schedule 1.4 -1: General Items			
Schedule 1.4-2: Track Works			
Schedule 1.4-3: Signaling System			
Schedule 1.4-4: Telecommunications			
Schedule 1.4-5: Power Supply System			
Schedule 1.4-6: Power Distribution System			
Schedule 1.4-7: Overhead Contact Line System			
Schedule 1.4-8: Automatic Fare Collection System			
Schedule 1.4-9: Depot Facility			
Schedule 1.4-10: Not used			
Schedule 1.4-11: Platform Screen Doors			
Schedule 1.4-12: Computerized Maintenance Management System		N/A	N/A
Total Amount of Schedule 1.4 (Carried forward to Grand Summary)			

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.5 –Daywork Schedule

Not Used

Schedule 1.6 - Provisional Sums

Item No.	Work Description	Amount	
		Local (PHP)	Foreign (JPY)
	Provisional Sum in accordance with Sub-Clause 13.5 of the General Conditions of Contract to cover the following items as a minimum:		
PS-01	Preparation and implementation of HIV/AIDS (Refer to Conditions of Contract Sub-Clause 6.7)	3,000,000	
PS-02	Preparation and implementation of Gender and Development (GAD)	30,000,000	
PS-03	Relocation of N-01 Train consists to Clark for partial operation;	16,000,000	
PS-04	Power charges for testing and commissioning trial operation, etc.	12,500,000	
PS-05	Upgrade of Substation S05 to feed Bicutan Station	95,000,000	960,000,000
	Total of Provisional Sums except PS-DB Note: The additional percentage payment in accordance with the Conditions of Contract Sub-Clause 13.5 (b) (ii) is included in the above amounts.	156,500,000	960,000,000
PS-DB	Dispute Board's cost to be shared by the Employer, one half of the invoices of the DB for its fee and expenses (refer to Conditions of Contract Sub-Clause 20.2). Note: The Contractor's overheads and profits shall not be payable for this amount.		45,000,000
Total for Schedule 1.6 (Carried forwarded to Grand Summary)		156,500,000	1,005,000,000

Note: If the Contractor has actually expended in other foreign currencies than the Foreign Currency specified in the Contract, then the amount expended will be converted to Foreign Currency using the exchange rate of Telegraphic Transfer Selling rate officially published by the MUFGBank, Ltd. on the website every day as at the last working day of the month in which such payment made. A copy of the said exchange rate shall be a part of the supporting document for the Application for Interim Payment Certificate.

Bidder's Signature _____

Schedule 1.7: Option for Automatic Train Operation Function

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
O-1	Design						
O-1.1	Preparation, submission of the design submission program and obtaining acceptance thereof from the Engineer.	sum	1				
O-1.2	Preparation, submission of the conceptual and detailed design, and obtaining acceptance thereof from the Engineer.	sum	1				
O-1.3	Preparation, submission of the manufacturing and installation drawings and documents, and obtaining acceptance thereof from the Engineer.	sum	1				
O-1.4	Compilation, submission of the as-built documents and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment for Milestones O-1.1 to O-1.4 will be made upon completion of each.)	-	-	-	-	-	-
	Sub-total for Milestone No. O-1						
O-2	Manufacture, Transportation, Delivery and Storage						
O-2.1	Manufacture of ATO equipment and associated accessories for rolling stock and fixed installations.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	(Payment for each batch of ATO equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
O-2.2	Transportation of ATO equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
O-2.3	Delivery to the Contractor's secure storage area of ATO equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required, , but only if specifically designated as being items owned by the Employer.)	-	-	-	-	-	-
O-2.4	Manufacture of ATO equipment and associated accessories.	sum	1				
	(Payment for each batch of signaling equipment and associated accessories loaded for shipment to the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
O2.5	Transportation of ATO equipment and associated accessories from the place of manufacture to the Philippines.	sum	1				
	(Payment for each shipment arriving safely at the port of unloading in the Philippines will be made in proportion to the total quantities required.)	-	-	-	-	-	-
O2.6	Delivery to the Contractor's secure storage area of ATO equipment and associated accessories.	sum	1				
	(Payment for each batch delivered to the Contractor's storage area and accepted by the Engineer will be made in proportion to the total quantities required.)	-	-	-	-	-	-
	Sub-total for Milestone No. O-2						
O-3	Construction, Installation and Testing						
O-3.1	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all station indoor equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made on completion of the above work for each station at the rate of one sixth (1/6) of the amount of Milestone No. O-3.1 per station.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
O-3.2	Delivery to the Site, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of all outdoor and indoor equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made for fully tested quantities of equipment that have been accepted by the Engineer in proportion to the total quantities required.)	-	-	-	-	-	-
O-3.3	Delivery, installation and testing (including pre-installation tests, site acceptance tests and integrated tests for all subsystems) of on-board equipment, and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made per train on completion of the integrated tests for each train at the rate of one twenty-sixth (1/26) of the amount of Milestone No. O-3.3 per train.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Sub-total for Milestone No. O-3						
O-4	System Acceptance Tests, Integrated Testing and Commissioning						
	Conducting, and obtaining the Engineer’s acceptance of, the System Acceptance Tests, Integrated Testing and Commissioning and Completion of Test Running and Trial Running, and obtaining the Safety Certificate from the relevant Authority for the commercial operation of the railway.	sum	1				
	(Payment for the above Milestone will be made upon completion of all required tests and commissioning.)	-	-	-	-	-	-
O-5	Spare Parts, Special Tools, Testing Equipment						
	Delivery to the Site of spare parts, consumables, special tools, testing equipment and measurement instruments, including drawings and catalogues in English (original plus 5 hard copies), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all spare parts, tools and testing equipment.)	-	-	-	-	-	-

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
O-6	Training, and Operation and Maintenance Manuals						
O-6.1	Preparing and delivering Operating Manuals and Maintenance Manuals together with record drawings/ catalogues in English (original plus 5 hard copies and 2 copies in electronic (soft) format.), and obtaining acceptance thereof from the Engineer.	sum	1				
	(Payment will be made upon completion of the delivery of all the above documentation and data.)	-	-	-	-	-	-
O-6.2	Conducting operation and maintenance training, and obtaining acceptance thereof from the Engineer, comprising: - Operating Staff Training; - Maintenance Staff Training; and - Engineering Staff Training.	sum	1				
	(Payment will be made upon completion of all the above training.)	-	-	-	-	-	-
	Sub-total for Milestone No. O-6						
O-7	Miscellaneous						
O-7.1	Other obligations with regard to the ATO Function that are considered necessary to comply with the Contract but which are not covered in other Schedules and the above Milestone items.	sum	1				
O-72	Performance Security for the value of the ATO work.	sum	1				

Milestone No.	Work Description (Milestone)	Unit	Quantity	Unit Rate/Price		Amount	
				Local	Foreign	Local	Foreign
	Sub-total for Milestone No. O-7						
	Note: The Bidder may subdivide the above Milestones and/or add appropriate proposed Milestones.	-	-	-	-	-	-
Total for Schedule 1.7							
(Carried forward to Grand Summary)							

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

Schedule 1.8: Capital Spares

Item No.	Work Description / Plant / Equipment / Material / Parts / Components	Unit	Unit Rate/Price	
			Local	Foreign
1.	Track Works			
1.1	#12 scissors crossing Full assembly of turnouts for main line, including FFU sleepers.			
1.2	#12 swing nose turnout: RH Full assembly of turnouts for main line, including FFU sleepers.			
1.4	#12 swing nose turnout: LH Full assembly of turnouts for main line, including FFU sleepers.			
1.5	#10, #12 standard turnout: RH Full assembly of turnouts for main line, including FFU sleepers.			
1.6	#10, #12 standard turnout: LH Full assembly of turnouts for main line, including FFU sleepers.			
1.7	#6 temporary turnout: RH Full assembly of turnouts for main line, including FFU sleepers.			
1.8	#6 temporary turnout: LH Full assembly of turnouts for main line, including FFU sleepers.			
1.9	#8 standard turnout: RH Full assembly of turnouts for depot.			
1.10	#8 standard turnout: LH Full assembly of turnouts for depot.			

Item No.	Work Description / Plant / Equipment / Material / Parts / Components	Unit	Unit Rate/Price	
			Local	Foreign
1.11	#6 standard turnout: RH Full assembly of turnouts for depot.			
1.12	#6 standard turnout: LH Full assembly of turnouts for depot.			
1.13	Rail EN60E1 or JIS60 Standard, End Hardened and Head Hardened rail.			
1.14	Rail JIS50N for Depot			
1.15	Rail fastening system for mainline			
1.16	PC sleeper for mainline			
1.17	Elastic Rubber Material for mainline			
1.18	Rail Fastening system for Depot			
1.19	PC sleeper for Depot			
1.20	Rail expansion joint including FFU sleepers			
1.21	Glued Insulated Joint			
1.22	Compromise rail connecting EN60E1 to JIS60			
1.23	Compromise rail connecting EN60E1 to JIS50N			
1.24	Alumino Thermit welding kits for Standard-Standard, Standard to HHR, and HHR-HHR type.			
2.	Signaling			
2.1	Point machine and locking mechanism			
2.2	Point machine and locking rodding <i>To be listed by the Contractor and priced individually</i>			

Item No.	Work Description / Plant / Equipment / Material / Parts / Components	Unit	Unit Rate/Price	
			Local	Foreign
2.3	Each type of cards <i>To be listed by the Contractor and priced individually</i>			
2.4	Each type of wired racks/ cabinets <i>To be listed by the Contractor and priced individually</i>			
2.5	Each type of special cable with connector sets and accessories <i>To be listed by the Contractor and priced individually</i>			
2.6	Each type of antenna, tachometer, accessories, etc. <i>To be listed by the Contractor and priced individually</i>			
3.	Telecommunications			
3.1	GSM-R Base Station Units (Cabinets and Cables)			
3.2	GSM-R Radios			
3.3	GSM-R Handsets			
3.4	Base Station Antennas			
3.5	Rolling Stock Antennas			
3.6	UPS			
4.	Power Supply			
4.1	Traction transformers <i>Sizes to be determined by the Contractor</i>			
4.2	Operation transformers <i>Sizes to be determined by the Contractor</i>			

Item No.	Work Description / Plant / Equipment / Material / Parts / Components	Unit	Unit Rate/Price	
			Local	Foreign
4.3	Rectifiers <i>Sizes to be determined by the Contractor</i>			
4.4	Re-generating power storage system DC1650V 2MW			
4.5	Protective Relays			
4.6	Motorized Disconnecting Switch <i>Sizes to be determined by the Contractor</i>			
4.7	Vacuum Circuit Breaker <i>Sizes to be determined by the Contractor</i>			
4.8	DC High Speed Circuit Breaker <i>Sizes to be determined by the Contractor</i>			
5.	Power Distribution			
5.1	Distribution Transformer <i>Sizes to be determined by the Contractor</i>			
5.2	Motorized Disconnecting Switch <i>Sizes to be determined by the Contractor</i>			
5.3	Vacuum Circuit Breaker <i>Sizes to be determined by the Contractor</i>			
6.	Overhead Contact Line System			
6.1	Contact wire			
6.2	Catenary wire			
6.3	Ground wire			
6.4	Return cable			

Item No.	Work Description / Plant / Equipment / Material / Parts / Components	Unit	Unit Rate/Price	
			Local	Foreign
6.5	Feeder			
6.6	Section Insulators			
6.7	Motorized Isolators Complete set			
6.8	Balance Weight Anchors Set			
6.9	Spring tensioners			
7.	Platform Screen Doors			
7.1	Each type of glass panel			
7.2	Door Control Units			
7.3	Door locking mechanism			
7.4	Door drive carriages			
7.5	Motor assembly			
7.6	Signaling interface relays			
8.	Automatic Fare Collection System			
8.1	Ticket Vending Machine module (excluding cabinet)			
8.2	Automatic Gate module (excluding cabinet)			
8.3	Point of Sales (inclusive of all subcomponents) & peripherals			
8.4	Handheld Terminals			
8.5	Station Assist Terminal & peripherals			
8.6	Cash Handling System (Coin and Banknote sorting and counting machine)			
9.	Depot Facilities			
9.1	Set of motors, drives and control for 10 T EOT cranes			

Item No.	Work Description / Plant / Equipment / Material / Parts / Components	Unit	Unit Rate/Price	
			Local	Foreign
9.2	Set of motors, drives and control for 3 T EOT cranes			
9.3	Set of motors, drives and control for Temporary bogies			
9.4	Set of motors, drives and controls for Bogie transportation unit. (BTU)			
9.5	Set of motors, drives and control for Car body lifting jacks			
9.6	Sets of a) motors, drives, control, b) Set of PCBs, c) Set of Rollers, d) Set of Hydraulic cylinders, and e) Set of relays, contactors, sensors, switches for Under Floor Wheel Lathe			
9.7	Sets of a) motors, drives, control, b) Set of PCBs, c) Set of Rollers, d) Set of Hydraulic cylinders, and e) Set of relays, contactors, sensors, switches for Surface Wheel lathe			
9.8	Set of a) motors, drives and control and b) Set of pumps and controls for Automatic Train wash plant.			
9.9	Sets of a) hydraulic cylinders, and b) motors, drive and control			

Item No.	Work Description / Plant / Equipment / Material / Parts / Components	Unit	Unit Rate/Price	
			Local	Foreign
	for Bogie Drop Table			

Note: The Bidder may list down the size and type of the above items and/or add appropriate proposed Capital Spares. These unit pricing shown in pricing schedule above shall not be evaluated based on the EQC nor included in the final Bid Price.

Note: In case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.

Bidder's Signature _____

GRAND SUMMARY

Contract Name: Procurement of Package CP NS-01: E&M Systems and Track Works for the Malolos–Clark Railway Project and the North South Railway Project-South Line (Commuter)

Bid Price is:

Local Currency: _____ (in figures)
 (with VAT and with Provisional Sums) _____ (in words)

and

Foreign Currency: _____ (in figures)
 (without VAT and with Provisional Sums) _____ (in words)

Schedules	Page	Amount	
		Local (PHP)	Foreign (JPY)
Schedule 1.1: Total Amount of Section 1			
Schedule 1.2: Total Amount of Section 2			
Schedule 1.3: Total Amount of Section 3			
Schedule 1.4: Total Amount of Section 4			
Performance Security for Sections 1-4 inclusive*			
Sub-Total of Schedules 1.1 through 1.4 above	(A)		
Schedule 1.5: Daywork Schedule – Not used		-	-
Schedule 1.6: Provisional Sums		156,500,000	1,005,000,000
Schedule 1.7: Option for ATO Function*			
Sub-Total of Schedules 1.5, 1.6 and 1.7	(B)		
Summary of Bid Amount excluding Value Added Tax (C)=(A)+(B)	(C)	(CL)	(CF)
Value Added Tax (12%) DL=(CL+CF x Exchange rate) x 12%	(D)	(DL)	/
Summary of Total Bid Amount including Value Added Tax [(E)=(C)+(D)]	(E)	(EL)	(EF=CF)

Notes:

* Payment due to the Contractor for providing the Performance Security will be made on a pro rata monthly basis from the Commencement Date until the end of the Defects Notification Period, with actual payment commencing in the month in which the original of the Performance Security is issued to the Employer. This payment method will apply retrospectively to any increase required in the value of the Performance Security due to an increase in the Contract Price, including an increase due to the Employer taking up the Option in respect of the above mentioned ATO Function.

- (1) The Bidder shall show the amount in the columns ‘Local Currency’ and ‘Foreign Currency’, respectively. In the case of more than one foreign currency, the Bidder shall split the column Foreign Currency in two.
- (2) The Value Added Tax (VAT) for the Foreign Currency portion shall be converted to the Local Currency according to ITB 37.1 and added to the VAT for the Local Currency portion.

Name of Bidder _____

Signature of Bidder _____ Date _____

**SUMMARY SHEETS FOR SCHEDULES 1.1, 1.2, 1.3 AND 1.4
 (On Lump-Sum Basis)
 (The Bidder shall prepare a Summary Sheet for each Section separately)**

Item No.	Work Description	Components of Pricing Schedules									
		General		Design		Manufacture, Transportation, Delivery and Storage		Construction, Installation and Testing		System Acceptance Test, Integrated Testing and Commissioning	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	General Items										
2	Track Works										
3	Signaling System										
4	Telecommunications										
5	Power Supply and Power Distribution System										
6	Overhead Contact Line System										
7	Automatic Fare Collection System										
8	Depot Facility										
9	Training Centre										
10	Platform Screen Doors										
11	Computerized Maintenance Management System.										
12	Miscellaneous Works										
A	Sub-totals										
B	Equivalent JPY										
C	Total Equivalent JPY	-		-		-		-		-	

D	JPY Proportion (as % of Total Cost)	-		-		-		-		-	
---	-------------------------------------	---	--	---	--	---	--	---	--	---	--

Item No.	Work Description	Components of Pricing Schedules						TOTAL	
		Spare Parts, Special Tools, Testing Equipment		Training and Operation and Maintenance Manuals		Other Obligations			
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	General Items								
2	Track Works								
3	Signaling System								
4	Telecommunications								
5	Power Supply and Power Distribution System								
6	Overhead Contact Line System								
7	Automatic Fare Collection System								
8	Depot Facility								
9	Training Centre								
10	Platform Screen Doors								
11	Computerized Maintenance Management System.								
12	Miscellaneous Works								
A	Sub-totals								
B	Equivalent JPY								
C	Total Equivalent JPY	-		-		-		-	
D	JPY Proportion (as % of Total Cost)	-		-		-		-	

Notes:

- (1) The Bidder is required to submit one set of the above forms for each of the 4 separate Schedules (1.1, 1.2, 1.3 and 1.4). Each set of forms is required to be a detailed breakdown of the respective figures shown on the GRAND SUMMARY.
- (2) The Bidder shall show the amount in the columns Local Currency and Foreign Currency as appropriate. In the case where more than one foreign currency applies, the Bidder shall split the column Foreign Currency column into two.
- (3) The Bidder shall indicate both the local currency and the foreign currency(ies) in the Japanese Yen equivalent in line B, using the rate of exchange determined as follows:

Exchange rates shall be taken from the publicly available source identified in BDS 37.1 or, in the case where such rates are not available in the source identified above, any other publicly available source acceptable to the Employer. Any error in determining the exchange rate mates may be corrected by the Employer.
- (4) The Bidder shall also indicate the proportionate percentage of each Schedule 1.1 through 1.4 against the total of Summary of Schedule 1.1 through 1.4 (On Lump-Sum Basis) to demonstrate that its pricing for each Milestone Item will be within a reasonable range. The Employer may, at its discretion, ask any Bidder for clarification of its Bid.
- (5) The intention is that the values on each set of forms must add up to the same total figure both vertically and horizontally (i.e. the sum of the horizontal values should add up to the same end figures as are shown in Lines A, B, C and D in the "Total" column).

Bidder's Signature _____

SCHEDULE 2: TABLE OF ADJUSTMENT DATA

SCHEDULE 2: TABLE OF ADJUSTMENT DATA

Table A. Local Currency (LC)

The weightings (coefficients b, c and d) for each of the factors of cost shall be proposed by the Bidder in column (e), within the range specified in column (f) by the Employer. The total weighting shall be equal to 1.00. The weighting proposed by a Bidder will be reviewed by the Employer, and the approved weighting will be attached to the Contract Agreement.

(a)	(b)	(c)	(d)	(e)	(f)
Index Code and Factor	Index Description	Source of Index	Base Value	Bidder's Proposed Weighting	Range of Weighting (acceptable to the Employer)
For Track Works					
Fixed	Nonadjustable	-	-	a: 0.15 (fixed)	A: 0.15 (fixed)
L: Labor	Labor Cost Index	DOLE*1		b: _____	B:0.13 -0.17
E: Equipment	Equipment Index	PSA*2		c: _____	C:0.28 -0.32
M: Materials	Material Index	PSA*3		d: _____	D:0.38-0.42
			Total	1.00	1.00
For E&M Systems Works other than Track Works					
Fixed	Nonadjustable	-	-	a: 0.15	A: 0.15
L: Labor	Labor Cost Index	DOLE*1		b: _____	B:0.13 -0.17
E: Equipment	Equipment Index	PSA*2		c: _____	C:0.38 -0.42
M: Materials	Material Index	PSA*3		d: _____	D:0.33-0.37
			Total	1.00	1.00

*1: The Department of Labour and Employment (DOLE).

*2: The Philippine Statistics Authority (PSA): Table 1-Construction Materials Wholesale Price Index (CMWPI) in the National Capital Region (NSR), item “machinery and equipment rental”.

*3: The Philippine Statistics Authority (PSA): Table 1-Construction Materials Wholesale Price Index (CMWPI) in the National Capital Region (NSR), item “All Items”

Note: Column “(d) Base Value” shall be the index value at the date twenty-eight (28) days prior to the latest date for submission of the Bid (ITB 24.1).

Bidder's Signature _____

Table B. Foreign Currency (FC)

Currency: *[Insert name of currency. If the Bidder wishes to quote in both Japanese Yen and United States Dollars and/or Euro, then this table must be repeated for each currency.]*

The weightings (coefficients b, c and d) for each of the factors of cost shall be proposed by the Bidder in column (e), within the range specified in column (f) by the Employer. The total weighting shall be equal to 1.00. The weighting proposed by a Bidder will be reviewed by the Employer, and the approved weighting will be attached to the Contract Agreement.

(a)	(b)	(c)	(d)	(e)	(f)
Index Code and Factor	Index Description	Source of Index	Base Value	Bidder's Proposed Weighting	Range of Weighting (acceptable to the Employer)
For Track Works					
Fixed	Nonadjustable	-	-	a: 0.15 (fixed)	A: 0.15 (fixed)
L: Labor	Labor Cost Index	*1		b: _____	B: 0.05 -0.10
E: Equipment	Equipment Index	*2		c: _____	C: 0.55 -0.65
M: Materials	Material Index	*3		d: _____	D: 0.15-0.20
			Total	1.00	1.00
For E&M Systems Works other than Track Works					
Fixed	Nonadjustable	-	-	a: 0.15 (fixed)	A: 0.15 (fixed)
L: Labor	Labor Cost Index	*1		b: _____	B: 0.05 -0.10
E: Equipment	Equipment Index	*2		c: _____	C: 0.40 -0.55
M: Materials	Material Index	*3		d: _____	D: 0.25-0.35
			Total	1.00	1.00

Notes:

(1) Source of Index:

*1: Cost index or reference prices applicable to the relevant cost element of labor shall be proposed by the Bidder and in accordance with ITB 20.3(b).

*2: Cost index or reference prices applicable to the relevant cost element of Equipment shall be proposed by the Bidder and in accordance with ITB 20.3(b).

*3: Cost index or reference prices applicable to the relevant cost element of Materials shall be proposed by the Bidder and in accordance with ITB 20.3(b).

Source of index shall be proposed by the Bidder from indices published by the Governmental office or institution or agent authorized by the Governmental office of corresponding currency. The source of index proposed by a Bidder will be

reviewed by the Employer, and the approved source of index will be attached to the Contract Agreement.

- (2) Column “(d) Base Value” shall be the index value twenty-eight (28) days prior to the latest date for submission of the Bid (ITB 24.1).

Bidder’s Signature _____

**SCHEDULE 3: LIST OF JAPANESE ORIGIN, GOODS AND
SERVICES [WITH PRICES]**

SCHEDULE 3: LIST OF JAPANESE ORIGIN, GOODS AND SERVICES [WITH PRICES]

In accordance with (i) ITB 5.1 (Eligible Plant, Materials and Services), (ii) PC 4.1 (Contractor’s General Obligations), including Appendix 1 referenced therein, and (iii) Section V (Eligible Source Countries of Japanese ODA Loans), the goods and services shall be procured from Japan and/or Eligible Source Countries defined in the said Section V at not less than the percentage rate specified therein. The Bidder shall furnish with its Bid, using the format provided below, a list of the goods and services that the Bidder intends to procure from Japan and/or eligible sources to meet the requirement specified in Section V.

The items, goods and services to be described in the format shown below shall be the same as those listed in Appendix 7.9 [*Japanese Origin of Plant, Materials and Services*] included in Appendix 7 (Technical Proposal).

Item	Description of Goods and/or Services to be procured from Eligible Sources	Manufacturers / Suppliers / Service Providers	Quantity	Amount in Japanese Yen
Total Amount excluding VAT (A)				

Note: This List of Japanese Origin, Goods and Services is to be included in the Price Bid only, and must not be confused with Form ELG that is to be included in the Technical Bid.

Total Percentage of Japanese Content

Exchange rate shall be as provided in ITB 37.1.

Description	Amount		
	Local Currency	Foreign Currency	Equivalent to Japanese Yen
Total Bid Amount excluding Value Added Tax (B)			(B)
General Administration Expenses (C) = (B) x (c) x 7.41%; (i) where the Bidder is a single Japanese entity, (c) is 1.00, or (ii) where the Bidder is a JV consisting of Japanese entities, (c) is 1.00, or (iii) where the Bidder is a JV consisting of a Japanese entity and a Philippines entity, (C) is the total share of the Japanese entity in the JV.			(C)
Total Amount of Japanese Component (D) = (A) + (C)			(D)
Total Bid Amount (Equivalent to Japanese Yen)			(E)
Total Percentage of Japanese Component (F) = (D) / (E)			(F)

Bidder's Signature _____

Form SCJ: Summary for the Total Cost of Goods and Services Procured from Japan

The Bidder is to complete this Form SCJ: Summary for the Total Cost of Goods and Services Procured from Japan below, including the calculation of the percentage for the Japanese content, which is to be not less than thirty-two percent (32%) of the Contract Price, in accordance with the requirement of Eligible Source Countries of Japanese ODA Loans.

Summary for the Total Cost of Goods and Services Procured from Japan:

Item	Description	Country	Price
		Japan	
		Japan	
		Japan	
	TOTAL (A)		

Exchange Rate: (as provided in BDS ITB 37.1)

Description	Local PHP	Foreign JPY	Total JPY
Sub-total of Price Schedules 1.1 to 1.5 as per the Grand Summary			
Provisional Sums as per Schedule 1.6	156,500,000	1,005,000,000	
(B) Total Bid Amount without VAT			
VAT			
(C) Base for Calculation (Total Bid Amount equivalent to Japanese Yen)			
(D) General Administration Expenses (7.41%): (B)*7.41%	JP	JAPAN	
(E) Total Amount Japanese Content (A) + (D)			
Total % of Japanese Contents (E) / (C)			

Bidder's Signature _____

Form DEC: DECLARATION AS TO THE ORIGIN OF GOODS AND SERVICES AND ELIGIBILITY SUBCONTRACTORS/SUPPLIERS

(Refer to Sub-Clause 4.1 of the General Conditions of Contract)

[Where the Bidder is a single entity]

To: Department of Transportation

Pinatubo St. corner Sergio Osmeña Sr. St.
Clark Freeport Zone
Angeles City, Pampanga
2009 Philippines.

Declaration

The Malolos–Clark Railway Project and
the North South Railway Project-South Line (Commuter)
Package CP NS-01: E&M Systems and Track Works

I, the undersigned, hereby certify that the total costs of goods and services procured from Japan, the Eligible Local Manufacturing Company (ies), the Eligible Development Partners' Manufacturing Company (ies), the Eligible Developed Countries' Manufacturing Company (ies) and the Eligible Foreign Company (ies) shall be not less than *[Insert numbers of percentage]* percent (*[Insert figures]*) % of the Contract Price.

I, the undersigned, further certify that *[Insert name of the Contractor]* satisfies either (a) or (b) below;

- (a) It was incorporated and is registered in Japan, has its appropriate facilities for producing or providing the goods and services in Japan, and actually conducts its business there;
or
- (b) It satisfies all of the following conditions:
 - (i) It is a subsidiary company in a country or area other than Japan, whose financial statements are required to be in a consolidated financial statement of the Japanese Company (as a parent company) made in accordance with the Financial Instruments and Exchange Act of Japan and the related ministerial ordinances; and
 - (ii) It is registered in the country or area where it was incorporated, has its appropriate facilities for producing or providing goods and services there, and actually conducts its business therein.

Date: _____

Authorized Signatory

For and on behalf of the Contractor

[Where the Bidder is a Joint Venture]

To: **Department of Transportation (DOTr)**
Pinatubo St. corner Sergio Osmeña Sr. St.
Clark Freeport Zone
Angeles City, Pampanga
2009 Philippines.

Declaration

the Malolos–Clark Railway Project and
the North South Railway Project-South Line (Commuter)

I, the undersigned, hereby certify that the total costs of goods and services procured from Japan, the Eligible Local Manufacturing Company (ies), the Eligible Development Partners' Manufacturing Company (ies), the Eligible Developed Countries' Manufacturing Company (ies) and the Eligible Foreign Company (ies) shall not be less than *[Insert numbers of percentage]* percent (*[Insert figures]*) % of the Contract Price.

I, the undersigned, further certify that the total share of work of Japanese partners in the joint venture will be more than fifty percent (50%) of the Accepted Contract Amount; and that all of the following conditions are satisfied:

- (a) Lead partner and each of other partners, if any, regarded as Japanese partners satisfy either (i) or (ii) below;
- (i) It was incorporated and is registered in Japan, has its appropriate facilities for producing or providing the goods and services in Japan, and actually conducts its business there; or
- (ii) It satisfies all of the following conditions:
- It is a subsidiary company in a country or area other than Japan, whose financial statements are required to be in a consolidated financial statement of the Japanese Company (as a parent company) made in accordance with the Financial Instruments and Exchange Act of Japan and the related ministerial ordinances; and
 - It is registered in the country or area where it was incorporated, has its appropriate facilities for producing or providing goods and services there, and actually conducts its business therein.
- (b) The partners, except the Japanese partners, have been incorporated and registered in Japan or the Republic of the Philippines, have their appropriate facilities for producing or providing the goods and services in Japan or the Republic of the Philippines, and actually conduct their business there.

Date: _____

Authorized Signatory

For and on behalf of the Contractor

SECTION IV BIDDING FORMS (BF)
D. BIDDER'S QUALIFICATION FORMS

Form ELI - 1: Bidder Information

Date: *[insert day, month, year]*

IFB No.: 21-040-3

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

[The Bidder shall provide the following information.]

1. Bidder's legal name: <i>[insert full name]</i>
2. In the case of a JV, the legal name of the representative member and of each member: <i>[insert full name of each member in the JV and specify the representative member]</i>
3. Bidder's actual or intended country of registration: <i>[insert country of registration]</i>
4. Bidder's actual or intended year of incorporation: <i>[insert year of incorporation]</i>
5. Bidder's legal address in country of registration: <i>[insert street/number/town or city/country]</i>
6. Bidder's authorized representative information Name: <i>[insert full name]</i> Address: <i>[inset street/number/town or city/country]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i> Email Address: <i>[insert E-mail address]</i>
7. Attached are copies of original documents of: <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of legal entity named above, in accordance with ITB 4.3. <input type="checkbox"/> In the case of a JV, a letter of intent to form a JV with the draft JV agreement or the JV agreement, in accordance with ITB 4.1.
8. Included are the organizational chart, a list of the Board of Directors, and details of the beneficial ownership.

Form ELI - 2: Bidder's Party Information

Date: *[insert day, month, year]*

IFB No.: 21-040-3

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

[The following form is additional to Form ELI-1, and shall be completed to provide information relating to each JV member (in case the Bidder is a JV) as well as any specialist Subcontractor proposed to be used by the Bidder for any part of the Contract resulting from this process.]

1. Bidder's legal name: <i>[insert full name]</i>
2. Bidder's Party legal name: <i>[insert full name of Bidder's Party]</i>
3. Bidder's Party country of registration: <i>[insert country of registration]</i>
4. Bidder's Party year of incorporation: <i>[insert year of incorporation]</i>
5. Bidder's Party legal address in country of registration: <i>[insert street/number/town or city/country]</i>
6. Bidder's Party authorized representative information Name: <i>[insert full name]</i> Address: <i>[insert street/number/town or city/country]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i> E-mail address: <i>[insert E-mail address]</i>
7. Attached are copies of original documents of <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 4.3.
8. Included are the organizational chart, a list of the Board of Directors, and details of the beneficial ownership.

Form CON: Historical Contract Non-Performance

[The following table shall be filled in for the Bidder and for each member of a JV.]

Date: *[insert day, month, year]*
 Bidder’s Legal Name: *[insert full name]*
 Joint Venture Party Legal Name: *[insert full name]*
 IFB No.: 21-040-3
 Page *[insert page number]* of *[insert total number]* pages

1. History of Non-Performing Contracts

Non-Performing Contracts			
<input type="checkbox"/> Contract non-performance did not occur since 1 st January 2017, in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.1.			
<input type="checkbox"/> Contract(s) not performed since 1 st January 2017, in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.1, is(are) indicated below:			
Year	Non- performed portion of Contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and USD equivalent)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	<ul style="list-style-type: none"> • Contract Identification: <i>[indicate complete Contract name, number, and any other identification]</i> • Name of Employer: <i>[insert full name]</i> • Address of Employer: <i>[insert street/city/country]</i> • Reason(s) for non-performance: <i>[indicate main reason(s)]</i> 	<i>[insert amount]</i>

2. Pending Litigation

Pending Litigation				
<input type="checkbox"/> No pending litigation in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.2.				
<input type="checkbox"/> Pending litigation in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.2, is indicated below:				
Year of dispute	Amount in dispute (currency)	Outcome as Percentage of Net Worth	Contract Identification	Total Contract Amount (current value, currency, exchange rate and USD equivalent)
[insert year]	[insert amount]	[insert percentage]	<ul style="list-style-type: none"> • Contract Identification: [indicate complete Contract name, number, and any other identification] • Name of Employer: [insert full name] • Address of Employer: [insert street/ city/ country] • Matter in dispute: [indicate main issues in dispute] • Status of dispute: [indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary] 	[insert amount]

3. Litigation History

Litigation History		
<input type="checkbox"/> No court/arbitral award decisions against the Bidder since 1 st January 2014, in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.3.		
<input type="checkbox"/> Court/arbitral award decisions against the Bidder since 1 st January 2014, in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.2, are indicated below:		
Year of award	Contract Identification	Total Contract Amount (current value, currency, exchange rate and USD equivalent)
[insert year]	<ul style="list-style-type: none"> • Contract Identification: [indicate complete Contract name, number, and any other identification] • Name of Employer: [insert full name] • Address of Employer: [insert street/city/country] • Matter in dispute: [indicate main issues in dispute] • Party who initiated the dispute: [indicate “Employer” or “Contractor”] • Status of dispute: [indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary] 	[insert amount]

Form FIN - 1: Financial Situation

[The following table shall be filled in for the Bidder and for each member of a JV.]

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Joint Venture Party Legal Name: *[insert full name]*

IFB No.: 21-040-3

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

1. Financial data

Type of Financial information in (currency)	Historic information for previous Five (5) years (amount, currency, exchange rate, USD equivalent)				
	Year 1	Year 2	Year 3	Year 4	Year 5
Statement of Financial Position (Information from Balance Sheet)					
Total Assets (TA)					
Total Liabilities (TL)					
Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Information from Income Statement					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
Profits After Taxes (PAT)					

2. Financial documents

The Bidder and its parties shall provide copies of the financial statements for five (5) years pursuant to Section III, Evaluation and Qualifications Criteria, Sub-factor 3.1. The financial statements shall:

- (a) reflect the financial situation of the Bidder or in case of JV member, of each member, and not an affiliated entity (such as parent company or group member).
 - (b) be independently audited or certified in accordance with local legislation.
 - (c) be complete, including all notes to the financial statements.
 - (d) correspond to accounting periods already completed and audited.
- Attached are copies of financial statements¹ for the five (5) years required above; and complying with the requirements.

¹ If the most recent set of financial statements is for a period earlier than 12 months from the date of Bid, the reason for this should be justified.

Form FIN - 2: Average Annual Turnover

[The following table shall be filled in for the Bidder and for each member of a JV.]

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Joint Venture Party Legal Name: *[insert full name]*

IFB No.: 21-040-3

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

Annual Turnover Data			
Year	Amount and Currency	Exchange rate	USD equivalent
<i>[indicate year]</i>	<i>[insert amount and indicate currency]</i>	<i>[insert applicable exchange rate]</i>	<i>[insert amount in USD equivalent]</i>
Average Annual Turnover *			

* Total USD equivalent for all years divided by the total number of years, in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 3.2.

Form FIR - 1: Financial Resources

[The following table shall be filled in for the Bidder and for each member of a JV.]

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Joint Venture Party Legal Name: *[insert full name]*

IFB No.: 21-040-3

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

[Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject Contract or Contracts as indicated in Section III, Evaluation and Qualification Criteria, Sub-Factor 3.3.]

Financial Resources		
No.	Source of financing	Amount (USD equivalent)
1		
2		
3		

Form FIR - 2: Current Contract Commitments

[The following table shall be filled in for the Bidder and for each member of a JV.]

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Joint Venture Party Legal Name: *[insert full name]*

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[Bidders and each member of a JV should provide information on their current commitments on all Contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for Contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued, in accordance with Section III, Evaluation and Qualification Criteria, Sub-Sub-Factor 3.3.]

Current Contract Commitments					
No.	Name of Contract	Employer's Contact Address, Tel, Fax	Value of Outstanding Work [Current USD Equivalent]	Estimated Completion Date	Average Monthly Invoicing Over Last Six Months [USD/month]
1					
2					
3					
4					
5					

Form EXP-1: General Experience

[The following table shall be filled in for the Bidder and for each member of a JV to be used by the Bidder for any part of the Contract resulting from this process.]

Date: *[insert day, month, year]*

Bidder’s Legal Name: *[insert full name]*

Joint Venture Party Legal Name: *[insert full name]*

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[Identify Contracts that demonstrate continuous work over the past ten (10) years pursuant to Section III, Evaluation and Qualification Criteria, Sub-Factor 4.1. List Contracts chronologically, according to their commencement (starting) dates.]

General Experience			
Starting Year	Ending Year	Contract Identification	Role of Bidder
<i>[indicate year]</i>	<i>[indicate year]</i>	<ul style="list-style-type: none"> • Contract name: <i>[insert full name]</i> • Brief description of the works performed by the Bidder: <i>[describe works performed briefly]</i> • Amount of Contract: <i>[insert amount, currency, exchange rate and USD equivalent]</i> • Name of Employer: <i>[indicate full name]</i> • Address: <i>[indicate street/number/town or city/country]</i> 	<i>[insert "Prime Contractor" (Single entity or JV member) or "Subcontractor" or "Management Contractor"]</i>

Form EXP-2(a) Specific Experience

[The following table shall be filled in for Contracts performed by the Bidder and each member of a JV as well as the specialist subcontractor satisfying the relevant requirement in Section III, Evaluation and Qualification Criteria.]

Date: *[insert day, month, year]*

Bidder’s Legal Name: *[insert full name]*

Joint Venture Party Legal Name: *[insert full name]*

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[Fill out one (1) form per Contract, in accordance with Section III Evaluation and Qualification Criteria, Sub-Factor 4.2(a).]

Similar Contract		
Similar Contract No. <i>[insert number] of [insert number of similar Contracts required]</i>	Information	
Contract Identification	<i>[insert contract name and Reference ID number, if applicable]</i>	
Award Date	<i>[insert day, month, year, e.g., 15 June, 2015]</i>	
Completion Date	<i>[insert day, month, year, e.g., 03 October, 2017]</i>	
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor	
	Single entity <input type="checkbox"/>	JV member <input type="checkbox"/>
Total Contract Amount	<i>[insert total contract amount(s) and currency(ies)]</i>	USD <i>[insert exchange rate and total contract amount in USD equivalent]</i>
If member in a JV, specify participation in total Contract amount	<i>[insert percentage amount]</i>	<i>[insert amount(s) and currency(ies) of participation]</i>
Employer’s Name:	<i>[insert full name]</i>	
Address:	<i>[indicate street / number / town or city / country]</i>	
Telephone/Fax Number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>	
E-mail:	<i>[insert E-mail address, if available]</i>	

Similar Contract No. <i>[insert number of similar contracts required]</i>	Information
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:	

Form EXP–2 (b): Experience in Key Activities

[The following table shall be filled in for Contracts performed by the Bidder and by each member of a JV as well as the specialist subcontractor.]

Date: *[insert day, month, year]*

Bidder’s Legal Name: *[insert full name]*

Joint Venture Party Legal Name: *[insert full name]*

Specialist Subcontractor’s Legal Name: *[insert full name]*

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[Fill out one (1) form per Contract, in accordance with Section III, Evaluation and Qualification Criteria Sub-Factor 4.2(b).]

1. Key Activity No. (1): *[insert brief description of the Activity, emphasizing its specificity]*

Contract with Similar Key Activities Information			
Item	Information		
Contract Identification	<i>[insert Contract name and number, if applicable]</i>		
Award date	<i>[insert day, month, year, e.g., 15 June, 2015]</i>		
Completion date	<i>[insert day, month, year, e.g., 03 October, 2017]</i>		
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor		Sub-contractor
	Single <input type="checkbox"/>	JV member <input type="checkbox"/>	Single <input type="checkbox"/>
Contract Amount	<i>[insert Contract amount(s) and currency(ies)]</i>		<i>USD [insert Exchange Rate and total contract amount in USD equivalent]*</i>
Description of the similarity with the subcontracted/manufactured works, such as physical size of required works item, complexity, method/ technology, and other characteristics.			
Employer’s Name	<i>[insert full name]</i>		

Address	<i>[indicate street / number / town or city / country]</i>
Telephone/fax number	<i>[insert telephone/fax numbers, including country and city area codes]</i>
E-mail	<i>[insert E-mail address, if available]</i>

* Refer to ITB 37.1 for date and source of exchange rate.

2. Activity No. (2) _____

3. Activity No. (3) _____

SECTION IV. BIDDING FORMS (BF)
E. ANNEXES FOR TECHNICAL BID FORMS

Form PER -1: Proposed Personnel

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Joint Venture Party Legal Name: *[insert full name]*

IFB No.: 21-040-3

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[The Bidder shall provide the names of suitably qualified personnel to meet the specified requirements stated in Section III, Evaluation and Qualification Criteria, Sub-Section 3.2-2.2.]

1.	Title of position*
	Name
2.	Title of position*
	Name
3.	Title of position*
	Name
4.	Title of position*
	Name

*As listed in Section III.

Form PER -2: Resume of Proposed Personnel

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Joint Venture Party Legal Name: *[insert full name]*

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[The Bidder shall provide the data on the experience of the personnel indicated in Form PER-1, in the form below.]

Name of Bidder

Position		
Personnel information	Name	Date of birth
	Professional qualifications	
Present employment	Name of employer	
	Address of employer	
	Telephone	Contact (manager / personnel officer)
	Fax	E-mail
	Job title	Cooperate Affiliation/ Years with present employer

[Summarize professional experience over the last 20 years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project and the nominee’s proposed position.]

From	To	Company / Project / Position / Relevant technical and management experience

Form EQU: Equipment

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Joint Venture Party Legal Name: *[insert full name]*

IFB No.: 21-040-3

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[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, Sub-Section 3.1-4. A separate Form (Table 2) shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder. Summary of the equipment shall be provided in the Table 1.]

Table 1 Summary of Equipment Type and Characteristic:

No.	Equipment Type and Characteristics	Numbers intended to mobilize at the Site	Major Work Activities to be utilized

Table 2 Item of Equipment:

Item of equipment		
Equipment information	Name of manufacturer	Model and power rating
	Capacity	Year of manufacture
Current status	Current location	
	Details of current commitments	
Source	Indicate source of the equipment <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:

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

**Form SUB: Proposed Subcontractors/ Manufacturers for Major Items
 of Plant and Installation Services**

Date: *[insert day, month, year]*
 Bidder’s Legal Name: *[insert full name]*
 Joint Venture Party Legal Name: *[insert full name]*
 IFB No.: 21-040-3
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A list of major items of Plant and Installation Services is provided below.

The following subcontractors and/or manufacturers are proposed for carrying out the item of the facilities indicated. Bidders are free to propose more than one for each item.

Major Items of Plant and Installation Services	Proposed Subcontractors/Manufacturers	Nationality	Statement of Similar Works Previously Executed
Key Activities Specified in Item 4.2(b) of Sub-section 2.4.2 in Section III Evaluation and Qualification: The Subcontractor shall be the same specialist subcontractors whose experience in the key activities was evaluated in the assessment of qualification of bidder.			
1) Signaling System			
2) Telecommunications			
3) Power Supply System			
4) Power Distribution System			
5) Overhead Contact Line System			
6) Track Works			
7) Automatic Fare Collection System			
8) Platform Screen Doors			
9) Supply of Depot Facilities			
The Bidder may propose subcontractors to carrying out other major items of plant and installation services not specified above, if any. The Bidder shall provide the information relating to the proposed subcontractor using Form ELI-2: Bidder’s Party Information, Form EXP-1: General Experience and Form EXP-2(b) Experience in Key Activities annexed to Bidding Form.			

Resources of Major Materials: The Bidder shall provide the resources of major materials listed below:			
1 Heat-treated rail			
2 Turnout			
3 Distribution Cubicle			
4 Feeder			
5 Automatic Gate			
6 Ticket Vending Machine			
7 Backbone System			
8 Radio System			
9 Dispatcher Communication System			
10 Voice and Data System			
11 IP Telephone			
12 CCTV System			
13 Passenger Information Display System			
14 Public Address System			
15 Time Server and Master Clock System			
16 Computer based interlocking			
17 Automatic Train Protection			
18 Automatic Traffic Supervision			

19 Shunting Signal			
20 Point Machine			
Other major materials which the Bidder intends to subcontract or procure, if any.			

Form MAN: Manufacturer's Authorization

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer.]

Date: *[insert date (as day, month and year) of Bid Submission]*
IFB No.: 21-040-3

To: *[insert complete name of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer or Manufacturer's authorized agent]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a Bid the purpose of which is to provide the following goods, manufactured by us *[insert name and/or brief description of the goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 11, Defect Liability, of the General Conditions of Contract, with respect to the goods offered by the above firm.

Name: *[insert complete name of person signing the Bid]*

In the capacity of *[insert legal capacity of person signing the bid]*

Signed: *[insert signature of person whose name and capacity are shown above]*

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Form CM: COMPLIANCE MATRIX

The Bidder shall confirm conformance with the Employer’s Requirements by placing a check mark (tick) in either the Conformance column or the Partial Conformance column.

If the Bidder ticks in the Partial Conformance column, then the Bidder shall describe details of the area of non-conformance and shall explain reasons for such non-conformance and why the Employer should consider accepting such non-conformance without the Employer determining the Bidder’s Technical Bid to be not substantially responsive to the Employer’s Requirements.

The Bidder shall note that if the Employer determines that the Bidder’s Technical Bid is not substantially responsive to the Employer’s Requirements, its Bid will be rejected by the Employer.

Employer’s Requirements - General Requirements/Technical Requirements:

Code	Description	Conformance	Partial Conformance
	General Requirements		
1	Application of the General Specification		
2	Mobilization		
3	Temporary Facilities for the Contractor		
4	Project Management by the Contractor		
5	Works Train Operations		
6	Design Submission Requirements		
7	Document and Drawing Submittals, and Review		
8	Manuals and Documents		
9	Manpower and Workforce		
10	Inspection, Testing and Commissioning		
11	Defects Liability		
12	Software Management and Control		
13	Supply of Spare Parts, Special Tools and Test Equipment		
14	Packaging, Shipping and Delivery		
15	Training		

Code	Description	Conformance	Partial Conformance
16	Site Office and Site Office Management		
17	Road Traffic and Transportation		
18	Meeting Requirements		
19	Liaison with Others		
20	Interface Management		
21	System Assurance		
22	Requirements Management		
23	Asset Management		
24	Demobilization and Closing Works		
25	Security and Insurance		
26	Appendix 1: General Abbreviations		
27	Appendix 2: Program		
28	Appendix 3: Monthly Progress Report		
29	Appendix 4: Submittals		
30	Appendix 5: Quality Assurance Requirements		
31	Appendix 6: Engineering Safety Management Plan		
32	Appendix 7: Outline Interface Matrices		
33	Appendix 7: Outline Interface Matrices		
	Technical Requirements		
1	Track Works		
1.1	Scope of Work		
1.2	Definitions and Abbreviations		
1.3	List of Acronyms and Abbreviations		
1.4	Design Requirements		
1.5	Particular Track Specifications		

Code	Description	Conformance	Partial Conformance
1.6	Operational Criteria		
1.7	Component Design List		
1.8	Track Work Construction		
1.9	Procedures		
1.10	Installation		
1.11	Construction Tolerances		
1.12	Rail		
1.13	Rail Fastening System		
1.14	Prestressed Concrete Sleepers		
1.15	Track Ballast		
1.16	Rail Expansion Joints		
1.17	Turnouts		
1.18	Rail Welding		
1.19	Buffer Stops		
1.20	Insulated Rail Joint Glued Type		
1.21	Staff Walkway in Depot		
1.22	Stray Current Corrosion Control		
1.23	Walkway		
1.24	Access Platform and Stairs		
1.25	Depot Line and Load Gauge		
1.26	Miscellaneous Track Work Items		
1.27	Track Maintenance Vehicles and Equipment		
1.28	Interfacing Requirements		
1.29	Maintenance Manual and Knowledge/Skill Transfer		
1.30	Testing, Commissioning and Verification		

Code	Description	Conformance	Partial Conformance
1.31	Packing, Shipping, Storage and Delivery		
2	Signaling System		
2.1	Introduction		
2.2	Definitions and Abbreviations		
2.3	List of Standards		
2.4	Scope of Work		
2.5	General Requirements		
2.6	Scope of Supply		
2.7	Services		
2.8	Performance Requirements		
2.9	Electromagnetic Compatibility		
2.10	Functional Requirements		
2.11	Operating Criteria		
2.12	System Architecture		
2.13	Emergency Stop Switches		
2.14	ATP Functional Requirements		
2.15	ATP On Board Equipment		
2.16	Computer Based Interlocking		
2.17	Automatic Train Supervision (ATS)		
2.18	Operations Control Center (OCC)		
2.19	Depot		
2.20	Wayside Equipment		
2.21	Environmental		
2.22	Power Supply Requirements		
2.23	Design Requirements		

Code	Description	Conformance	Partial Conformance
2.24	System Safety Design Requirements		
2.25	Quality Assurance		
2.26	Interfaces		
2.27	Installation		
2.28	Cables		
2.29	Identification		
2.30	Drawings and Records		
2.31	Earthing and Transient Protection		
2.32	Transient and Lightning Protection		
2.33	Verification Testing and Commissioning		
2.34	Reporting		
2.35	Operation and Maintenance Support		
2.36	Spare Parts, Special Tools and Test Equipment		
2.37	Training		
2.38	Appendix A1: Signaling/Rolling Stock Interfaces		
2.39	Appendix A2: Station and Depot Civil and E&M Contractors Interfaces		
2.40	Appendix A3: Train Control/Communications System Interfaces		
2.41	Appendix A4: Train Control/Track Interfaces		
2.42	Appendix A5: Train Control/Power Supply (including Traction, Substation, Power Distribution & OCS) Interfaces		
2.43	EMC Management Plan		
3	Telecommunications		
3.1	Introduction		
3.2	Scope of Work		

Code	Description	Conformance	Partial Conformance
3.3	Definitions and Abbreviations		
3.4	Design Standards		
3.5	General Design Requirements		
3.6	System Requirements		
3.7	Performance Requirements (General)		
3.8	Packing, Shipping and Delivery		
3.9	Testing, Commissioning, and Verification		
3.10	Consumables and Spare Parts		
3.11	Interface Requirement		
3.12	Appendix 1: Backbone Transmission System (BTS)		
3.13	Appendix 2: Radio System		
3.14	Appendix 3: Voice and Data Systems		
3.15	Appendix 4: Closed Circuit Television (CCTV) System		
3.16	Appendix 5: Passenger Information Display System (PIDS)		
3.17	Appendix 6: Public Address (PA) System		
3.18	Appendix 7: Time Server and Master Clock System		
3.19	Appendix 8: Meteorological and Seismic Monitoring System		
3.20	Appendix 9: Power Supply for Telecommunication System (UPS)		
3.21	Appendix 10: Flight Information Display System (FIDS)		
4	Power Supply System The Malolos-Clark Railway Project (MCRP) and The North South Railway Project-South line (Commuter) (NSRP-South)		
4.1	Scope of Work		

Code	Description	Conformance	Partial Conformance
4.2	Definitions and Abbreviations		
4.3	Design Criteria and Standards		
4.4	Technical Requirements		
4.5	Installation Requirements		
4.6	Interfacing Requirements		
4.7	Testing, Commissioning and Verification		
4.8	Measuring and Special Tools		
4.9	Training Requirements		
4.10	Maintenance Requirements		
5	Power Distribution System The Malolos-Clark Railway Project (MCRP) and The North South Railway Project-South line (Commuter) (NSRP-South)		
I	The Malolos-Clark Railway Project (MCRP)		
5.1	Scope of Work		
5.2	Definitions and Abbreviations		
5.3	Design Criteria, Applicable Standards and Codes		
5.4	Performance Requirements		
5.5	Operational Requirements		
5.6	Functional Requirements		
5.7	Installation Requirements		
5.8	Interfacing Requirements		
5.9	Testing, Commissioning and Verification		
5.10	Measuring and Special Tools		
5.11	Training Requirements		
5.12	Maintenance Requirements		

Code	Description	Conformance	Partial Conformance
6	Overhead Contact Line System		
6.1	Scope of Works		
6.2	Fundamental Design Data		
6.3	System Requirements		
6.4	Standard Equipment Requirements		
6.5	Testing, Inspection and Commissioning		
6.6	Documentation		
6.7	Quality Assurance and Control		
6.8	Overhead Line Inspection Vehicle		
6.9	Special Tools		
6.10	Training Program		
7	Automatic Fare Collection System (AFC)		
7.1	Scope of Works		
7.2	Limited Express Ticket System		
7.3	Definitions and Abbreviations		
7.4	Scope of Equipment Supply		
7.5	Equipment Environmental Conditions		
7.6	Documentation		
7.7	System Operation Requirements		
7.8	System Requirements		
7.9	Equipment, Design and Materials Requirements		
7.10	Interfaces		
7.11	Packaging, Shipping, Storage and Delivery		
7.12	Testing, Commissioning and Verification		
7.13	Installation		

Code	Description	Conformance	Partial Conformance
7.14	Training		
7.15	Maintenance		
7.16	Measuring and Special Tools		
8	Depot Facilities		
8.1	Scope of Work		
8.2	Definitions and Abbreviations		
8.3	Design Criteria, Applicable Standards and Codes		
8.4	Engineering Conditions		
8.5	Design Parameters		
8.6	Performance and Technical Requirements		
8.7	Maintenance Management		
8.8	Depot/Workshop Capacity		
8.9	Depot/Workshop Maintenance Facilities		
8.10	Depot/Workshop Layout		
8.11	Interface Coordination		
8.12	Testing, Commissioning and Verification		
8.13	Training		
8.14	Drawings		
9	Training Facility at Training Center		
9.1	General		
9.2	Requirements		
10	Platform Screen Doors		
10.1	Scope of Works		
10.2	Design Criteria and Standards		
10.3	Design Requirements		

Code	Description	Conformance	Partial Conformance
10.4	Control and Monitoring		
10.5	Structural Integrity and Durability		
10.6	Architectural Requirements		
10.7	Testing, Commissioning and Verification		
10.8	Operation and Maintenance Support		
10.9	Interfacing Requirements with Civil		
11	Computerized Maintenance Management System		
11.1	Scope of Works		
11.2	Abbreviations		
11.3	Design Criteria, Applicable Standards and Codes		
11.4	System Description and Performance Requirements		
11.5	Interface Requirements		
11.6	DRACAS Database		
12	Integrated Operations Control Center and Depot Control Center		
12.1	Introduction		
12.2	Scope of Works		
12.3	Design Requirements		
12.4	Control Center Layout		
12.5	Workstation General Functionality		
12.6	Control Room Design, Materials Finishes and Facilities		

Detail of Non-conformance and Explanation of Reasons:

Code	Clause No.	Details of Non-conformance	Explanation of reasons for non-conformance and why it may be considered by the Employer to accept.

Bidder's Signature: _____

**Form SPA-1: CONTRACTOR’S LIST OF PROPOSED SPARE
PARTS**

The Bidder shall provide below full particulars, including available sources, of all spare parts, special tools, etc., necessary for the proper and continuing functioning of the Plant for the period specified in the BDS, following completion of the Works:

No.	Recommended Items		Source of Supply	
	Description	Parts No.	Supplier	Country

The list of spare parts shall be finalized with the Lowest Evaluated Substantially Responsive Bidder during final Contract Negotiation to resolve any outstanding issues.

Form SPA-2: CAPITAL SPARES

The Bidder shall provide below full particulars, including available sources, of the listed Capital Spares:

No.	Recommended Items			Source of Supply	
	Description	Remark	Parts No.	Supplier	Country
Track Works					
1.	#12 scissors crossing	Full assembly of turnouts for main line, including FFU sleepers.			
2.	#12 swing nose turnout: RH	Full assembly of turnouts for main line, including FFU sleepers.			
3.	#12 swing nose turnout: LH	Full assembly of turnouts for main line, including FFU sleepers.			
4.	#10, #12 standard turnout: RH	Full assembly of turnouts for main line, including FFU sleepers.			
5.	#10, #12 standard turnout: LH	Full assembly of turnouts for main line, including FFU sleepers.			
6.	#6 temporary turnout: RH	Full assembly of turnouts for main line, including FFU sleepers.			
7.	#6 temporary turnout: LH	Full assembly of turnouts for main line, including FFU sleepers.			
8.	#8 standard turnout: RH	Full assembly of turnouts for depot.			

No.	Recommended Items			Source of Supply	
	Description	Remark	Parts No.	Supplier	Country
9.	#8 standard turnout: LH	Full assembly of turnouts for depot.			
10.	#6 standard turnout: RH	Full assembly of turnouts for depot.			
11.	#6 standard turnout: LH	Full assembly of turnouts for depot.			
12.	Rail EN60E1 or JIS60	Standard, End Hardened and Head Hardened rail			
13.	Rail JIS50N	For Depot			
14.	Rail fastening system	For mainline			
15.	PC sleeper	For mainline			
16.	Elastic Rubber Material	For mainline			
17.	Rail Fastening system	For Depot			
18.	PC sleeper	For Depot			
19.	Rail expansion joint	Including FFU sleepers			
20.	Glued Insulated Joint	n/a			
21.	Compromise rail connecting EN60E1 to JIS60	n/a			
22.	Compromise rail connecting EN60E1 to JIS50N	n/a			
23.	Alumino Thermit welding kits	For Standard-Standard, Standard to HHR, and HHR-HHR type.			

No.	Recommended Items			Source of Supply	
	Description	Remark	Parts No.	Supplier	Country
Signaling					
24.	Point machine and locking mechanism	n/a			
25.	Point machine and locking rodding	<i>To be listed by the Contractor and priced individually</i>			
26.	Each type of cards	<i>To be listed by the Contractor and priced individually</i>			
27.	Each type of wired racks/ cabinets	<i>To be listed by the Contractor and priced individually</i>			
28.	Each type of special cable with connector sets and accessories	<i>To be listed by the Contractor and priced individually</i>			
29.	Each type of antenna, tachometer, accessories, etc.	<i>To be listed by the Contractor and priced individually</i>			
Telecommunications					
30.	GSM-R Base Station Units (Cabinets and Cables)	n/a			
31.	GSM-R Radios	n/a			
32.	GSM-R Handsets	n/a			
33.	Base Station Antennas	n/a			
34.	Rolling Stock Antennas	n/a			
35.	UPS	n/a			
Power Supply					
36.	Traction transformers	<i>Size/Type to be listed by the</i>			

No.	Recommended Items			Source of Supply	
	Description	Remark	Parts No.	Supplier	Country
		<i>Contractor and priced individually</i>			
37.	Operation transformers	<i>Size/Type to be listed by the Contractor and priced individually</i>			
38.	Rectifiers	<i>Size/Type to be listed by the Contractor and priced individually</i>			
39.	Re-generating power storage system	DC1650V 2MW			
40.	Protective Relays	n/a			
41.	Motorized Disconnecting Switch	<i>Size/Type to be listed by the Contractor and priced individually</i>			
42.	Vacuum Circuit Breaker	<i>Size/Type to be listed by the Contractor and priced individually</i>			
43.	DC High Speed Circuit Breaker	<i>Size/Type to be listed by the Contractor and priced individually</i>			
Power Distribution					
44.	Distribution Transformer	<i>Size/Type to be listed by the Contractor and priced individually</i>			
45.	Motorized Disconnecting Switch	<i>Size/Type to be listed by the Contractor and priced individually</i>			

No.	Recommended Items			Source of Supply	
	Description	Remark	Parts No.	Supplier	Country
46.	Vacuum Circuit Breaker	<i>Size/Type to be listed by the Contractor and priced individually</i>			
Overhead Contact Line System					
47.	Contact wire	n/a			
48.	Catenary wire	n/a			
49.	Ground wire	n/a			
50.	Return cable	n/a			
51.	Feeder	n/a			
52.	Section Insulators	n/a			
53.	Motorized Isolators Complete set	n/a			
54.	Balance Weight Anchors Set	n/a			
55.	Spring tensioners	n/a			
Platform Screen Doors					
56.	Each type of glass panel	n/a			
57.	Door Control Units	n/a			
58.	Door locking mechanism	n/a			
59.	Door drive carriages	n/a			
60.	Motor assembly	n/a			
61.	Signaling interface relays	n/a			
Automatic Fare Collection System					

No.	Recommended Items			Source of Supply	
	Description	Remark	Parts No.	Supplier	Country
62.	Ticket Vending Machine module (excluding cabinet)	n/a			
63.	Automatic Gate module (excluding cabinet)	n/a			
64.	Point of Sales (inclusive of all subcomponents) & peripherals	n/a			
65.	Handheld Terminals	n/a			
66.	Station Assist Terminal & peripherals	n/a			
67.	Cash Handling System (Coin and Banknote sorting and counting machine)	n/a			
Depot Facilities					
68.	Set of motors, drives and control for 10 T EOT cranes	n/a			
69.	Set of motors, drives and control for 3 T EOT cranes	n/a			
70.	Set of motors, drives and control for Temporary bogies	n/a			
71.	Set of motors, drives and controls for Bogie transportation unit. (BTU)	n/a			
72.	Set of motors, drives and control for Car body lifting jacks	n/a			
73.	Sets of	n/a			

No.	Recommended Items			Source of Supply	
	Description	Remark	Parts No.	Supplier	Country
	a) motors, drives, control, b) Set of PCBs, c)Set of Rollers, d)Set of Hydraulic cylinders, e) Set of relays, contactors, sensors, switches for Under Floor Wheel Lathe				
74.	Sets of a) motors, drives, control, b) Set of PCBs, c)Set of Rollers, d)Set of Hydraulic cylinders, e) Set of relays, contactors, sensors, switches for Surface Wheel lathe	n/a			
75.	Set of a) motors, drives and control b) Set of pumps and controls for Automatic Train wash plant.	n/a			
76.	Sets of a) hydraulic cylinders, b) motors, drive and control for Bogie Drop Table	n/a			

The list of Capital Spares shall be finalized with the Lowest Evaluated Substantially Responsive Bidder during final Contract Negotiation to resolve any outstanding issues.

Form ELG: JAPANESE ORIGIN OF PLANT, MATERIALS AND SERVICES [WITHOUT Prices]

The Bidder shall provide full particulars of Japanese origin of plant, materials and services procured from eligible source countries to comply with the requirement specified Section V. Eligible Source Countries of Japanese ODA Loans, including documentary evidence establishing its eligibility.

Item	Description of Plant, Materials and Services to be procured from Eligible Sources defined Section V	Source of Supply	
		Manufacturer/Supplier	Country

Note: 1) Bidders shall attach the documentary evidence/certificate substantiating the origin of the listed plant, materials and services to meet the requirement of Section V Eligible Source Countries of Japanese ODA Loans.

2) Any financial information shall not be included in the Technical Bid.

Form ACK:
**ACKNOWLEDGEMENT OF COMPLIANCE WITH GUIDELINES
FOR PROCUREMENT UNDER JAPANESE ODA LOANS**

A) I, [*insert name and position of authorized signatory*], being duly authorized by [*insert name of Bidder/members of joint venture (“JV”)*] (hereinafter referred to as the “Bidder”) to execute this Acknowledgement of Compliance with the Guidelines for Procurement under Japanese ODA Loans, hereby certify on behalf of the Bidder and myself that:

- (i) all information provided in the Bid submitted by the Bidder and its subcontractors for North South Commuter Railway Extension (NSCR-Ex) Project – the Malolos-Clark Railway Project and the North-South Railway Project - South Line (Commuter) is true, correct and accurate to the best of the Bidder’s and my knowledge and belief; and
- (ii) the Bidder or any of its subcontractors has not, directly or indirectly, taken any action which is or constitutes a corrupt or fraudulent practice and is not subject to any conflict of interest as stipulated in the relevant section of the Guidelines and the Bidding Document.

<If debarment for more than one year by the World Bank Group is NOT imposed, use the following sentence B).>

B) I certify that the Bidder has NOT been debarred by the World Bank Group for more than one year since the date of issuance of Invitation for Bids.

<If debarment for more than one year by the World Bank Group has been imposed BUT three (3) years have passed since the date of such debarment decision, use the following sentence B’).>

B’) I certify that the Bidder has been debarred by the World Bank Group for a period more than one year BUT that on the date of issuance of Invitation for Bids at least three (3) years had passed since the date of such debarment decision. Details of the debarment are as follows:

name of the debarred firm	starting date of debarment	ending date of debarment	reason for debarment

C) I certify that the Bidder will not enter into a subcontract with a firm which has been debarred by the World Bank Group for a period more than one year, unless on the date of the subcontract at least three (3) years have passed since the date of such debarment decision.

D) I certify, on behalf of the Bidder and its subcontractors, that if selected to undertake works and services in connection with the Contract, the Bidder and its subcontractors

shall carry out such works and services in continuing compliance with the terms and conditions of the Contract.

- E) I further certify, on behalf of the Bidder and its subcontractors, that if the Bidder and any of its subcontractors is requested, directly or indirectly, to engage in any corrupt or fraudulent practice under any applicable law, such as the payment of a rebate, at any time or any stage of a process of procurement such as negotiations, execution or implementation of contract (including amendment thereof), the Bidder shall report all relevant facts regarding such request to the relevant section in JICA (details of which are specified below) in a timely manner.

JICA’s information desk on fraud and corruption (A report can be made to either of the offices identified below.)

- (1) JICA Headquarters: Legal Affairs Division, General Affairs Department

URL: <https://www2.jica.go.jp/en/odainfo/index.php>

Tel: +81 (0)3 5226 8850

- (2) JICA Philippine office

Tel: +63 (0)2 889 7119

The Bidder acknowledges and agrees that the reporting obligation stated above shall NOT in any way affect the Bidder’s responsibilities, obligations or rights, under relevant laws, regulations, contracts, guidelines or otherwise, to disclose or report such request or other information to any other person(s) including the Employer or to take any other action, required to or allowed to, be taken by the Bidder. The Bidder further acknowledges and agrees that JICA is not involved in or responsible for the procurement process in any way.

- F) If any of the statements made herein is subsequently proven to be untrue or incorrect based on facts subsequently determined, or if any of the warranties or covenants made herein is not complied with, the Bidder will accept, comply with, and not object to any remedies taken by the Employer and any sanctions imposed by or actions taken by JICA.

Authorized Signatory
[insert name of signatory; title]

For and on behalf of
[insert name of the Bidder]
Date: [insert date]

Form of Bid Security (Bank Guarantee)

[*Guarantor letterhead or SWIFT identifier code*]

Beneficiary: Procurement Service
PS Complex, RR Road
Cristobal Street
Paco, Manila 1007
Philippines

IFB No.: 21-040-3

Date: [*insert date of issue*]

BID GUARANTEE No.: [*insert guarantee reference number*]

Guarantor: [*insert name and address of place of issue, unless indicated in the letterhead*]

We have been informed that [*insert name of the Bidder, which in the case of a joint venture shall be the name of the joint venture (whether legally constituted or prospective) or the names of all members thereof*] (hereinafter called “the Applicant”) has submitted or will submit to the Beneficiary its Bid (hereinafter called “the Bid”) for the execution of the Procurement of Package CP NS-01 E&M Systems and Track Works for the Malolos-Clark Railway Project and the North-South Railway Project-South Line (commuter) under Loan Agreement No. PH-P270 dated 21 January 2019.

Furthermore, we understand that, according to the Beneficiary’s conditions, Bids must be supported by a bid guarantee.

At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of [*insert amount in words, (insert amount in figures)*] upon receipt by us of the Beneficiary’s complying demand, supported by the Beneficiary’s statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:

- (a) has withdrawn its Bid during the period of Bid validity set forth in the Applicant’s Letter of Bid (hereinafter called “the Bid Validity Period”), or any extension thereto provided by the Applicant; or
- (b) having been notified of the acceptance of its Bid by the Beneficiary during the Bid Validity Period or any extension thereto provided by the Applicant, (i) fails to execute the Contract Agreement, or (ii) fails to furnish the Performance Security, in accordance with the Instructions to Bidders of the Beneficiary’s Bidding Documents.

This guarantee will expire and shall be returned to the Applicant: (a) if the Applicant is the successful Bidder, upon our receipt of copies of the Contract Agreement signed by the

Applicant and the Performance Security issued to the Beneficiary in relation to such Contract Agreement; or (b) if the Applicant is not the successful Bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary’s notification to the Applicant of the results of the bidding process; or (ii) twenty-eight (28) days after the end of the Bid Validity Period.

Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758.

[Signature(s)]

[Note: All italicized text is for use in preparing this form and shall be deleted from the final product.]

Form of Bid Security (Bid Bond)

BOND No. [*insert Bond No.*]

BY THIS BOND [*insert name of Bidder*] as Principal (hereinafter called “the Principal”), and [*insert name, legal title, and address of surety*], authorized to transact business in the Republic of the Philippines, as Surety (hereinafter called “the Surety”), are held and firmly bound unto Procurement Services as Obligee (hereinafter called “the Employer”) in the sum of [*insert amount of Bond in words and figures*]¹, for the payment of which sum, well and truly to be made, we, the said Principal and Surety, bind ourselves, our successors and assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has submitted a written Bid to the Employer dated the [*insert day*] day of [*insert month*], 20 [*insert year*], for the execution of the Procurement of Package CP NS-01 E&M Systems and Track Works for the Malolos-Clark Railway Project and the North South Railway Project-South Line (Commuter) (hereinafter called the “Bid”).

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the Principal:

- (a) withdraws its Bid during the period of Bid validity specified in the Form of Bid, or any extension thereto provided by the Applicant; or
- (b) having been notified of the acceptance of its Bid by the Employer during the period of Bid validity; (i) fails or refuses to execute the Contract Form, if required; or (ii) fails or refuses to furnish the Performance Security in accordance with the Instructions to Bidders;

then the Surety undertakes to immediately pay to the Employer up to the above amount upon receipt of the Employer’s first written demand, without the Employer having to substantiate its demand, provided that in its demand the Employer shall state that the demand arises from the occurrence of any of the above events, specifying which event(s) has occurred.

The Surety hereby agrees that its obligation will remain in full force and effect up to and including the date twenty-eight (28) days after the date of expiration of the Bid validity as stated in the Invitation for Bid or extended by the Employer at any time prior to this date, notice of which extension(s) to the Surety being hereby waived.

IN TESTIMONY WHEREOF, the Principal and the Surety have caused these presents to be executed in their respective names this [*insert day*] day of [*insert month*] 20 [*insert year*].

¹ The amount of the Bond shall be denominated in the currency of the Employer’s country or the equivalent amount in a freely convertible currency.

Principal: _____

Surety: _____
Corporate Seal (where appropriate)

(Signature)

(Signature)

(Printed name and title)

(Printed name and title)

**SECTION V. ELIGIBLE SOURCE COUNTRIES OF JAPANESE
ODA LOANS (ESC)**

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ELIGIBLE SOURCE COUNTRIES OF JAPANESE ODA LOANS

Eligible Nationality

- (1) The Eligible Nationality of all Bidder(s) shall be the following:
 - (a) Japanese in case of the prime contractor; and
 - (b) Any nationality in the case of subcontractor(s).
- (2) With regard to (1) above, in case where the prime contractor is a joint venture, such joint venture will be eligible provided that the nationality of the lead partner is Japanese, that the nationality of the other partners is Japanese and/or from the Republic of the Philippines and that the total share of work of Japanese partners in the joint venture is more than fifty percent (50%) of the contract amount.
- (3) With regard to (1) and (2) above, for goods and services;
 - (i) The prime contractor or, in case of a joint venture, the lead partner and other partners regarded as the Japanese partners shall be nationals of Japan or juridical persons incorporated and registered in Japan, have their appropriate facilities for producing or providing the goods and services in Japan, and actually conduct their business there (hereinafter referred as the “Japanese Company”).
 - (ii) In the case of a joint venture, the partners except Japanese partners shall be nationals of the Republic of the Philippines or juridical persons incorporated and registered in Japan or the Republic of the Philippines, and have their appropriate facilities for producing or providing the goods and services in Japan or the Republic of the Philippines, and actually conduct their business there.
 - (iii) Notwithstanding (3)(i) above, a juridical person incorporated in a country or area other than Japan that satisfies all of the following conditions can be regarded as a Japanese Company;
 - it is a subsidiary included in the scope of consolidation and factored into the aggregated accounting figure of a consolidated financial statement of the Japanese Company made in accordance with the Financial Instruments and Exchange Act of Japan and the related ministerial ordinances; and
 - it is registered in the country or area where it was incorporated, has its appropriate facilities for producing or providing goods and services there, and actually conducts its business therein.

Eligible Source Country(ies) for Procurement of Goods and Services

- (4) The total costs of goods and services procured from Japan shall not be less than thirty-two percent (32%) of the Contract Price.
- (5) With regard to (4) above, the goods procured from the eligible local manufacturing company(ies) invested by the Japanese Companies (hereinafter referred to as the

“Eligible Local Manufacturing Company(ies)”) can be regarded and counted as of Japanese origin if such Eligible Local Manufacturing Company(ies) satisfy(ies) all of the following conditions:

- (a) Juridical persons incorporated and registered in the Republic of the Philippines, and which have their appropriate facilities for producing or providing the goods and services in the Republic of the Philippines and actually conduct their business there.
 - (b) Not less than ten percent (10%) of shares are held by a single Japanese Company.
 - (c) The proportion of the shares held by the Japanese Company mentioned in (b) above (or the company having the largest share among Japanese Companies if more than one Japanese Company meet the conditions stated in (b) above) is the same as or greater than that of the shares held by any company of a third country or area.
- (6) With regard to (4) above, the good procured from the eligible development partners’ manufacturing company(ies) invested by Japanese Companies (hereinafter referred to as “the Eligible Development Partners’ Manufacturing Company(ies)”) can be regarded and counted as Japanese origin if such Eligible Development Partners’ Manufacturing Company(ies) satisfy(ies) all of the following conditions:
- (a) Juridical persons incorporated and registered in a country or area on Development Association Committee (DAC) List of ODA Recipients, published by the Organisation for Economic Co-operation and Development (OECD), effective at the time of conclusion of the Loan Agreement (21 January 2019) and which have their appropriate facilities for producing or providing the goods and services in the country or area and actually conduct their business there.
 - (b) Not less than one-third of shares are held by a single Japanese Company.
 - (c) The proportion of the shares held by the Japanese Company mentioned in (b) above (or the company having the largest share among Japanese Companies if more than one Japanese Company meet the condition stated in (b) above) is the same as or greater than that of the shares held by any company of a third country or area.
- (7) With regard to (4) above, the good procured from the eligible manufacturing company(ies) in developed countries invested by Japanese Companies (hereinafter referred to as “the Eligible Developed Countries’ Manufacturing Company(ies)”) can be regarded and counted as of Japanese origin if such Eligible Developed Countries’ Manufacturing Company(ies) satisfy(ies) all of the following conditions:
- (a) It is a subsidiary company in a country or area other than Japan that is included in the scope of consolidation, and factored into the aggregated accounting figure of a consolidated financial statement of the Japanese Company (as a parent company), made in accordance with the Financial Instruments and Exchange Act of Japan and the related ministerial ordinances.
 - (b) It was incorporated and is registered in a country or area other than that on the DAC List of ODA Recipients effective at the time of conclusion of the Loan Agreement (21 January 2019).

- (c) It has its appropriate facilities for producing or providing goods and services there, and actually conducts its business therein.
- (8) With regard to (4) above, the services procured from the eligible foreign company(ies) invested by the Japanese Companies (hereinafter referred to as the “Eligible Foreign Company(ies)”) can be regarded and counted as of Japanese origin if such Eligible Foreign Company(ies) satisfy (ies) both of the following conditions:
- (a) It is a subsidiary company in a country or area other than Japan that is included in the scope of consolidation, and factored into the aggregated accounting figure, of a consolidated financial statement of the Japanese Company (as a parent company) made in accordance with the Financial Instruments and Exchange Act of Japan and the related ministerial ordinances.
 - (b) It is registered in the country or area where it was incorporated, has its appropriate facilities for producing or providing goods and services there, and actually conducts its business therein.

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