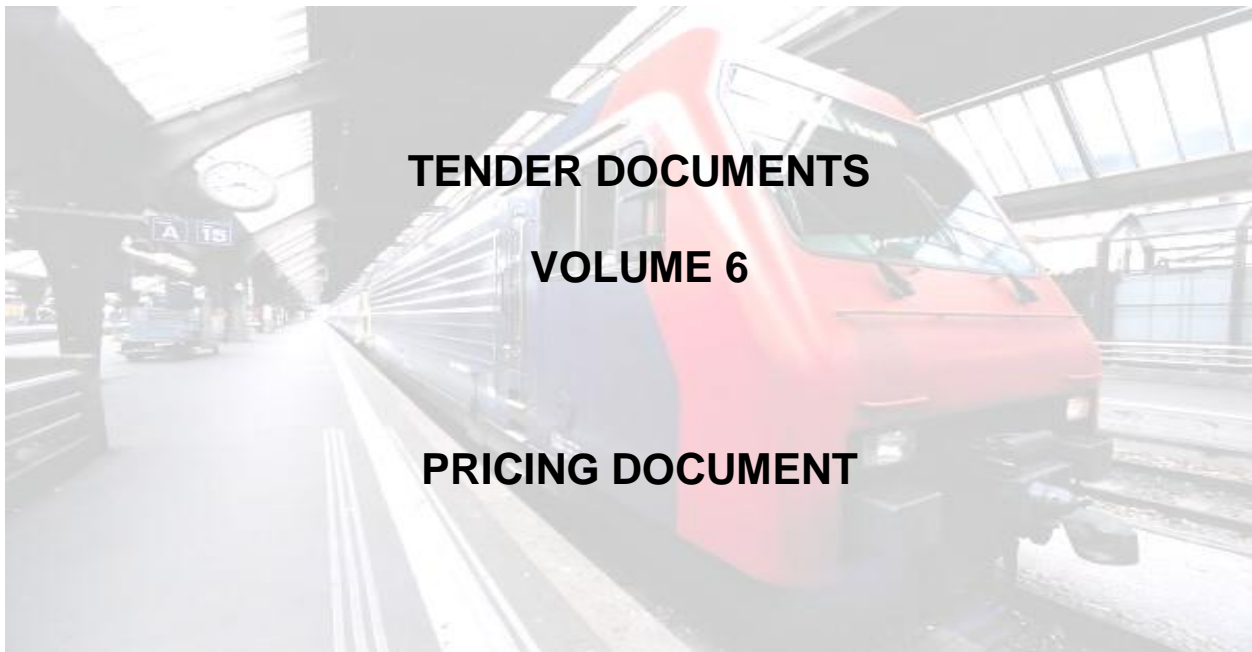




**KOLKATA METRO RAIL CORPORATION LIMITED
EAST WEST METRO PROJECT**

CONTRACT RS (3R)

**DESIGN, MANUFACTURE, SUPPLY, TESTING,
COMMISSIONING AND INTEGRATION OF PASSENGER
ROLLING STOCK (ELECTRICAL MULTIPLE UNITS), AND
TRAINING OF PERSONNEL**



**KOLKATA METRO RAIL CORPORATION LIMITED
KMRCL Bhawan (HRBC Office Complex),
Munshi Premchand Sarani,
Kolkata 700 021
India**

Date of Issue: January 9, 2015

KOLKATA METRO RAIL CORPORATION LIMITED

EAST WEST METRO PROJECT

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CONTRACT RS (3R)

SUMMARY OF TENDER DOCUMENTS

Volume 1

- Notice of Invitation to Tender
- Instructions to Tenderers (including Annexures)
- Eligibility Criteria Documents
- Form of Tender (including Appendices)

Volume 2

- General Conditions of Contract
- Special Conditions of Contract (including Schedules)

Volume 3

- Employer's Requirements – General Specification
- Employer's Requirements – Technical Specification

Volume 4

- Schedule of Dimensions (SOD)

Volume 5

- Tender Drawings

Volume 6

- **Pricing Documents**

Volume 7

- Safety, Health and Environment (SHE) Manual
- SHE Conditions of Contract

**KOLKATA METRO RAIL CORPORATION LIMITED
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CONTRACT RS (3R)

VOLUME 6

PRICING DOCUMENT

**PART 1 - INSTRUCTIONS FOR COMPLETING THE PRICING
DOCUMENT**

**(To be Completed and Submitted as part of Appendix FT-2 to the
Form of Tender)**

CONTENTS

PART 1 – INSTRUCTIONS FOR COMPLETING THE PRICING DOCUMENT

	<u>Page</u>
A General Requirements	2
B Apportionment of Fixed Lump Sum Price to Cost Centres & Milestones under Each Cost Centre	5
C Statutory Clearance	6
D Milestones Achievement Periods	6
E Milestone Payment Schedule (MPS)	6
F Tender Total	6
G Cost Centre	7
H Currency	7
I Mode of Payment	7
J Taxes and Duties	7

PART 2 – PRICING DOCUMENT

Appendix A	– Base Tender Total
Appendix A1	– Apportionment of Lump Sum Price under Schedule X
Appendix A2	– Amount apportioned to Cost Centres under Schedule X
Appendix B1	– Apportionment of Lump Sum Price under Schedule Y
Appendix B2	– Amount Apportioned to Cost Centres under Schedule Y
Appendix C	– NOT USED
Appendix C1	– NOT USED
Appendix C2	– NOT USED
Appendix D1	– NOT USED
Appendix D2	– NOT USED
Appendix E	– Schedule of Adjustment Data for Schedule X
Appendix F	– Milestone Payment Schedule (MPS)
Appendix G	– Supply of Spares, Special Tools and Testing Equipment
Appendix H	– List of Spares Confirmation Statement
Appendix I	– Pricing of Unqualified Withdrawal

PART 1 - INSTRUCTIONS FOR COMPLETING THE PRICING DOCUMENT

A. General Requirements

1.1 Financial Evaluation:

For the purpose of comparative evaluation of Tenders, 'Basic Custom duty shall not be considered on the quoted Lump Sum Price in Appendix A (Schedule X plus Schedule Y) for 14 metro trains in order to determine the rank of the Tenderers.

1.2 This is a Fixed Lump Sum price Contract for Design, Manufacture, Supply, Testing, Commissioning and Integration of Passenger Rolling Stock (Electrical Multiple Units) and Training of Personnel (details of total number of metro cars, metro trains including configuration to be supplied are indicated in the Appendix FT-1 to Form of Tender) for Underground, Elevated and at Grade Sections of KMRC Network. The Tenderer shall quote his fixed lump sum price inclusive of all taxes (VAT), levies, duties, insurances and other charges leviable and payable to the authorities as in Appendix A of the Pricing Document.

The Tenderer shall be required to give in his tender offer a breakdown of his fixed Lump Sum price under each Schedule X and Schedule Y clearly giving the following:

- (a) Basic Custom duty on assemblies/components that go in the manufacture of trains and mock up, if any along with rate.
- (b) All other Custom related duties on assemblies/Components that go in the manufacture of trains and mock up if any, along with rates.
- (c) Excise duty on completely assembled / manufactured trains and mockup, if any along with rate of Excise duty.
- (d) Custom duty on imported spares, Jigs, fixtures, special tools and diagnostic equipments etc. forming part of Cost Centre –G along with rate of Custom duty.
- (e) Excise duties on spares, Jigs, fixtures, special tools and diagnostic equipments etc. forming part of Cost Centre –G along with rate of Excise duty.
- (f) VAT on completely assembled / manufactured trains.
- (g) VAT on the indigenous finished Spares, Jigs, Fixtures, Special tools and Testing and Diagnostic equipments etc. forming part of Cost Centre G along with rate.
- (h) Octroi / Entry Tax (if any)
- (i) Other Levies/Cess etc. as applicable.
- (j) All types of Insurance

The successful Tenderer shall maintain complete records of duties, taxes, and levies etc payable to various authorities in respect of (i) completely assembled/ manufactured trains, (ii) spares appearing in Cost Centre G and works and submit the original receipts/documents along with bills to the Employer.

1.3 Option (ordered within 78 weeks)

- 1.3.1 The Employer reserves the right to order 25% additional cars of the same make up as the base order (i.e. DTC+MC+MC+MC+MC+DTC) or any other combination and will notify the Contractor of its intention to execute such an order within 78 weeks from LOA. The cost for such additional cars shall be at the same price as the base order per car without spares but adjusted as per the escalation formula.

The Employer will discuss this right to order 25% additional cars with the selected Contractor. If the Employer exercises the option to order 25% additional cars without spares, the KEY Dates for the increased quantities shall be as mutually agreed between the Contractor and the Employer. The payment schedule will be the same as the payment schedule for the base order, and will be made in continuation in accordance with the delivery. There would be NO DECREASE of the tendered quantity.

- 1.3.2 To ensure continuity of production of cars in the manufacturer's works, the Employer shall advise the Contractor about the increase in quantity within 78 weeks from the date of issue of LOA. The Contractor shall be required to supply the increased ordered quantities at the contracted Terms and conditions and determined prices as detailed in Sub-clauses 1.3.3 below.
- 1.3.3 For any increase in quantity by the Employer as per 1.3. above, the computed cost of a metro train (DTC+MC+MC+MC+MC+DTC), shall be calculated as per 1.3.1 above. This will be used to determine the cost of the increased quantity and the total contract price will be increased accordingly. No additional amount for the quantity variation on any other account whatsoever shall be payable to the Contractor.
- 1.3.4 In case of increase in quantity due to the Option, the Key Dates for the increased quantities shall be 180 weeks unless otherwise mutually decided at the time of exercising the option for the quantity variation by the Employer.

1.4 Price Variation:

The Contract Price shall be adjusted for increase/decrease of the price of Labor, Stainless Steel, Carbon Steel, Copper and Fuel Oil as per the Price Adjustment Formula detailed below (Applicable to Schedule X and Y):

$$P_1 = P_0 \times \{ a + b \times (S_1 / S_0) + c \times (C_1 / C_0) + d \times (F_1 / F_0) + f \times (L_1 / L_0) + g \times (O_1 / O_0) \} - P_0$$

Where

- P_1 Price Adjustment (increase/decrease) amount with respect to Schedule X & Y only in respective currency.
- P_0 Contract value as per Schedule X & Y (in respective currency) after adjusting mobilisation advance.
- a Fixed element weightage representing profit and overhead in contract price
- b Estimated weightage of stainless steel component in contract price
- c Estimated weightage of copper component in contract price
- d Estimated weightage of carbon steel component in contract price

f Estimated weightage of labour component in contract price

g Estimated weightage for crude oil component in contract price.

(Where the sum of coefficients: $a+b+c+d+f+g = 1$)

The base date (suffix '0') shall be the date twenty eight (28) days prior to the Bid closing date. The date of adjustment (suffix '1') shall be the date 120 days before shipment of cars, for cost centres A, B & C and 28 days before the date of submission of eligible bills for all other cost centres.

And;

L_0 , L_1 Labour indices applicable to the appropriate industry in the country of origin on the base date and the date for adjustment, respectively (published by a credible government source or other labour/price index published by an international funding/financing agency relevant to the country/continent, independent of the tenderer.)

S_0 , S_1 Stainless steel price indices published by CRU on the base date and the date for adjustment, respectively

C_0 , C_1 Copper price indices published by LME on the base date and the date for adjustment, respectively

F_0 , F_1 Carbon steel price indices published by CRU – SPI for North America, Europe and Asia as continent of origin, or Global as applicable, on the base date and the date for adjustment, respectively

O_0 , O_1 Crude price – London Brent Crude oil price on the base date and the date for adjustment, respectively

- 1.4.1 The price adjustment shall be applied for every milestone payment whether there is increase or decrease of the apportioned amount for respective milestone number. No price increase will be allowed beyond the original delivery date unless covered by an extension of time awarded by the employer under the terms of the contract. No increase in prices on account of price variation shall be admissible for periods of delays not attributable to Employer. In case of decrease, the benefit shall be passed on to the Employer even for the delayed period.

If the currency in which apportioned amount for respective milestone number, P_0 expressed is different from the currency of the country of origin of the labour and /or materials indices, a correction factor will be applied to avoid incorrect adjustments of the contract price. The correction factor shall correspond to the ratio of exchange rates between the two currencies on the base date and the date for adjustment as defined above.

- 1.4.2 Total admissible price variation amount shall not be limited to the Contract Price.

1.5 Supply of Spares, Special Tools and Testing Equipment

The Tenderer shall submit spares, special tools and testing equipment in accordance with Volume 3, General Specification, listing and pricing under Appendix G of this Pricing Document.

1.6 Training Requirements

The Tenderer shall include and price in his tender submission a Training proposal to meet the following requirements as per Employer's Requirements – General Specification.

- (i) Training of Employer's Driving Instructors and Drivers (4 man months) in operation of Trains off –shore or in Contractor's Works and on his test track off-shore.
- (ii) Training of Employer's maintenance personnel (15 man months) in Contractors / sub-contractor's Works and Metro Rail Transport System (MRTS) off-shore.
- (iii) Provision of Contractor's Driving Instructors (2 man months) for Training of Employer's operating personnel in India.
- (iv) Provision of Original Equipment Manufacturer (OEM) Experts / Instructors (40-man month) for Training of Employer's maintenance personnel in India.
- (v) Submission of Training Manuals (Original plus five hard copies) and in Electronic format.

The Tenderer shall list the cost for each component module of the Training in terms of man-months in Financial Package. The travel, boarding and lodging expenses for the Employer's trainees will be borne by the Employer. The Employer may at its absolute discretion delete any or all of the training modules while accepting the tender.

1.7 Remark, Comment, Condition, Qualification or Deviation (Appendix I of this Tender Document)

1.7.1 In this Appendix I, the Tenderer shall indicate every key date that will be affected by each remark, comment, condition, qualification or deviation, etc. that has been specified in Appendix FT-6 and prices for unqualified withdrawal of which has been quoted in this Appendix I. Prices for unqualified withdrawal FT 6 will be added to the lump sum price for evaluation.

1.7.2 In case price for unqualified withdrawal of any remark, comment, condition, qualification or deviation etc. indicated in Appendix FT-6 is not quoted in this "Appendix I" it shall be considered that the remark, comment, condition, qualification or deviation is unconditionally withdrawn without any financial implication.

It is certified that 'Appendix I' annexed in Technical Package is a "TRUE COPY" (with prices masked) of said 'Appendix I' in the Financial Package. In the TRUE COPY to be submitted in the Technical Package, the Tenderer should clearly indicate "Priced" or "Not Priced" while masking the prices.

B. Apportionment of Fixed Lump Sum Price to Cost Centres & Milestones under Each Cost Centre

The whole of the Works including design is divided into two schedules are further divided into various Cost Centres. Each of these Cost Centres represents a major item associated with the Works. Cost Centres are named according to their general scope of Work.

The fixed Lump Sum price of the Works (14 metro trains of configuration DTC+MC+MC+MC+MC+DTC) shall be apportioned by the Tenderer among the Cost Centres under each Schedule X with Cost centre 'M', 'A', 'B', 'C' and 'G' and Schedule Y with Cost centre 'D', 'E', 'F', 'H' & 'R'. Apportionment of each Cost Centres under each Schedule has been defined in Appendices A1 and B1. The apportioned amount for each Cost Centre will be further distributed among various Milestones included in that Cost Centre, separately for foreign currency and for the Rupee portion.

The sum of amounts shown against Milestones in a Cost Centre is the Cost Centre Amount

that is to be carried forward to the Tender Total. For Cost Centres that involve payment in foreign currency, the division of the respective Cost Centre Amounts between Columns A and B shall be shown in the said Summary under respective Schedules.

The scope and extent of the Works are to be ascertained by reference to the Contract documents as a whole and shall not be limited in any manner whatsoever by the descriptions of the Cost Centres or of the Milestones under each Cost Centre, as given in the Appendices to the Pricing document.

The amount for Cost Centre G shall be the actual carried from Appendix G of this Pricing Document.

C. Statutory Clearance

The Contractor shall be solely responsible for all the statutory clearances including customs, excise, taxes, levies, octroi, transportation etc required for the successful execution of this contract.

D. Milestones Achievement Periods

The Milestones under each Cost Centre shall identify verifiable steps towards the completion of the Works within that Cost Centre. The Tenderer shall indicate the periods (in weeks from the NTP of the Works) within which he shall achieve each Milestone. Milestones that lead to the achievement of a Stage (as described in the Attachment to Appendix FT-1 of the Form of Tender) must always precede the Key Date for achievement of that Stage. Milestones shall be converted to Calendar dates from that given as weeks from NTP.

E. Milestone Payment Schedule (MPS)

The Tenderer should note Sub-Clause 11.3 of the GCC that describes the method of determining interim payments by reference to Milestone payments.

The MPS completed by the Contractor shall strictly follow Appendix F of this pricing Document and set out the maximum cumulative amount for each currency for all Cost Centres in accordance with Clause 11 of the GCC and Clauses 15 and 16 of the SCC.

The MPS covers the period which will commence on the first day of the calendar month next after the month containing the date for commencement of the Works in the NTP as per the Contract. The first application for interim payment may be made no earlier than during the month following the calendar month next after the month containing the date for commencement of the Works, such first application relating to the first month (i.e. month 1) of the Milestone Payment Schedule (MPS).

F. Tender Total

- 1.1 The Tender Total submitted by the Tenderer shall be in the format shown in Appendix A of this Pricing Document.
- 1.2 The Pricing Document contains Schedule X and Schedule Y. Each Schedule has separate Cost Centres and Milestones defined under such Cost Centres. The Cost Centres and Milestones have been prepared to indicate the extent of detail required in the Tender. The Tenderer shall prepare and complete documents, in this format, as being his Tender and

submit as part of the Financial Package.

- 1.3 The Pricing Document shall be completed and submitted by the Tenderer, as part of his Tender, should use an indexing and page numbering system such that its extent and completeness is clearly evident.

G. Cost Centre

- 1.1 Cost Centres and Milestones there under are fixed and shall not be changed by the Tenderer. These represent the major items of the Works for which the Employer will pay the Contractor, and the Tenderer shall ensure that he has allowed for all costs he requires for the Contract to be apportioned among the Cost Centres.
- 1.2 The Tenderer shall divide pricing of Cost Centres into Columns A and B, if payments in foreign currency are to be sought. Items of Cost Centres that apply in one currency only shall be given a NIL price in the other column.

H. Currency

Cost Centre amounts shall be indicated in Indian Rupees and in three (3) tradable foreign currencies as required.

I. Mode of Payment

All payments can be made to the Lead Member of the Consortium/JV. Direct payment to individual members of the Consortium/JV may also be made on certification by the Lead Member. In the later case MOU need to be submitted to the Employer signed by all members to this effect.

However any recovery that may become due to the Employer shall be from the account of the Lead Partner only.

J. Taxes and Duties

- 1.1 The project is eligible for "Deemed Export" benefits as per the Public Notice No. 1(FT)/DEA/2010, New Delhi, dated the 5th May, 2010, issued by the Department of Economic Affairs, Ministry of Finance, Government of India. As such PAC (Project Authority Certificate) shall be issued for availing Deemed Export Benefit by the Employer. "Deemed Export" benefits will be availed by the Employer. However for availing the said benefit necessary relevant original copies of document/receipts shall be submitted by the Contractor to the Employer. Bidders has to supply goods on CIF basis. All imports of sub-assemblies/components for manufacture of train set has to be in the name of contractor. Testing / erection and / or commissioning is to be done by Bidders in India as per tender conditions. Presently there is 'NO' waiver and exemption from the Governments on Excise Duty, Taxes, other royalties, duties, Cess, Octroi/Entry Tax, and levies payable to various authorities. KMRCL plans to register the project with the Ministry of Urban Development Discounted customs duties and rates will be applied. Necessary assistance shall be provided to the contractor in obtaining such benefit under the 'Project Import Scheme'

In order to facilitate the **Employer** to avail of **Deemed Export Benefit** the bidders have to furnish following documents after issue of **LOA**:

- **Disclaimer Certificate** in a format approved by the Employer in regards to your not claiming Deemed Export Benefits.
 - Invoices / Bills of Entry evidencing payment Excise Duty/ Customs Duty.
 - **Any other documents** required as per the Foreign Trade Policy (FTP) & Procedure 2009 – 2014 for claiming Deemed Export Benefits by KMRCL
- 1.2 Should the Employer obtain a waiver and exemption specific to Kolkata Metro Rail Project for any taxes and duties etc. in full or part thereof, the Contractor will be advised on the process to be followed to obtain exemption/refund of such taxes, duties etc., from the concerned Authorities. The Contractor shall arrange for the remittance of the refund so obtained to the Employer. In case of exemption, the Contractor shall pay the amount calculated by KMRCL on account of exemption to the Employer either separately or the Employer at its discretion shall deduct the calculated amount from any payments due to the Contractor under the Contract. In case of failure by the Contractor to obtain and remit the refund within reasonable time (to be decided by the Employer & intimated to the Contractor) to the Employer, the same will be recovered by the Employer from the amounts due as payment to the Contractor or as debt due from the Contractor. If the Contractor fails to take the required action to obtain refund or exemption, the Employer may take action in accordance with the Conditions of Contract.
- 1.3 The Contractor shall arrange for the remittance of the refund so obtained to the Employer. In case of exemption, the Contractor shall pay the amount calculated by the Engineer on account of exemption to the Employer either separately or the Employer at its discretion shall deduct the calculated amount from any payments due to the Contractor under the Contract.
- 1.4 Not used
- 1.5 Not used

-- End of Part I-

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CONTRACT RS (3R)

VOLUME 6

PRICING DOCUMENT

PART II – PRICING DOCUMENT

APPENDIX A – BASE TENDER TOTAL

To be completed and submitted by the Tenderer as part of Appendix FT-2 to the Form of Tender

The fixed Lump Sum Price (inclusive of levies, tax, duties and insurance etc) of this Contract for 14 metro trains:(14DTC+14MC+14MC+14MC+14MC+14DTC) is the total of **Schedule 'X' plus Schedule 'Y'**.

Indian Rupees (in words): _____

Foreign Currency (in words): _____

SUMMARY OF COSTS (14 TRAIN SETS)

Schedule	Description of Cost centres under schedule	Foreign Currency A1	Foreign Currency A2	Foreign Currency A3	Indian Rupees	Apportionment
X	A, B, C & M					85% of Cost centre M+A+B+C+D+E+F+H+R
	G					Actual Carried from Appendix GA1 to GA6
Y	D, E, F, H & R					15% of Cost centre M+A+B+C+D+E+F+H+R
Total	All cost centres					All cost centres

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CONTRACT RS (3R)

VOLUME 6

PRICING DOCUMENT

APPENDIX A1

Apportionment of Lump Sum Price under Schedule X

APPENDIX A1

Apportionment of Lump Sum Price under Schedule X among Cost Centres

Cost Centre*	Description	Total Apportioned Amounts of Cost Centre Items		Allowable Apportionment
		Foreign Currencies, Column A	Indian Rupees, Column B	%
M.	Mobilisation Advance (Non-Recoverable)			10
A.	Preliminaries and General Requirements for Rolling Stock and Design of Rolling Stock			7
B.	Offshore Manufacture, Factory Testing, Inspection, Marine Insurance and Shipping to Port in India and transit Insurance from Port in India to Depot Site			68%
C.	Indigenous Manufacture, Factory Testing, Inspection and Dispatch, transit insurance from factory to Depot Site			
	Sub Total 1			85%
G.	Unit Exchange Spares, Mandatory Spares, Recommended Spares, Consumable spares for a period up to expiry of Defect Liability Period, special tools testing and diagnostic equipment			Actual Carried from Appendix GA1 to GA6
	Total of Schedule X			Sub Total 1 + Cost Centre G

Notes:

1. Tenderers are required to show Cost Centre amounts in columns A and B as appropriate. In case of more than one foreign currency, split Column A in sub-Columns A1, A2, A3. Maximum number of currencies including local currency is Four.
2. The Tenderer shall note that the amount that can be apportioned in each Cost Centre shall follow the specified % as shown in the column "Allowable Apportionment" above. Sub-total 1 of Schedule X + Sub-total 2 of Schedule Y = 100%. If Tenderer does not submit the Pricing Document in accordance with the above criteria, the Tender may be rejected.
3. Costs under each Cost Centre shall include all levies, tax, duties (Custom Duty and Excise Duty) and insurance etc.
4. It is certified that Pricing Document 'Appendix A1' annexed in Technical Package is a "TRUE COPY" (with prices blanked off) of the said Pricing Document 'Appendix A1' in the Financial Package.
5. Cost Centre A is allowed to quote less than 7% and thereby adding the balance % to Cost Centres B and C to arrive at the Sub-Total 1 of 85%.

SIGNATURE OF TENDER

APPENDIX A1**DETAILS OF TAXES/DUTIES/LEVIES ETC INCLUDED IN THE FIXED LUMP SUM PRICE (COST CENTRE WISE)**

(Refer to Paragraph A1.1 of Part I, Instructions for Completing the Pricing Document)

COST CENTER	TAXES, DUTIES, LEVIES, ETC												TOTALAMOUNT OF ALL TAXES/DUTIES /LEVIES/CESS (7)=sum of (1) to (6)
	BASIC CUSTOM DUTY		ANY OTHER CUSTOM RELATED DUTIES		EXCISE DUTY		CST / VAT		OCTROI /ENTRY TAX		ANY OTHER TAX / LEVY / CESS		
	(1)		(2)		(3)		(4)		(5)		(6)		
	Rate (%)	Amount	Rate (%)	Amount	Rate (%)	Amount	Rate (%)	Amount	Rate (%)	Amount	Rate (%)	Amount	
M													
A													
B													
C													
G													
TOTAL													

Notes:

1. The Tenderer to give in his Tender offer the following:
 - (a) Basic Custom duty on assemblies/components that go in the manufacture of trains and mockup, if any along with rate.
 - (b) All other Custom related duties on assemblies/components that go in the manufacture of trains and mock up if any along with rates.
 - (c) Excise duty on completely assembled / manufactured trains and mockup, if any along with rate of Excise duty.
 - (d) Custom duty on imported spares, Jigs, fixtures, special tools and diagnostic equipments etc. forming part of Cost Centre –G along with rate of Custom duty.
 - (e) Excise duties on spares, Jigs, fixtures, special tools and diagnostic equipments etc. forming part of Cost Centre –G along with rate of Excise duty.
 - (f) VAT on completely assembled / manufactured trains.
 - (g) VAT on the indigenous finished Spares, Jigs, Fixtures, Special tools and Testing and Diagnostic equipments etc. forming part of Cost Centre G along with rate.
 - (h) Octroi / Entry Tax (if any)
 - (i) Other Levies/Cess etc. as applicable.
 - (j) The Tenderer shall provide details with reference to the respective rules when completing Column (6).
2. The rates inserted in this table shall be the discounted Custom Duties as applicable 28 days prior to the opening of the tender.
3. The tenders shall note that the customs duty, excise duty, sales tax/VAT, levies, etc. indicated in the above Table are considered to be included in the fixed lump sum price (cost centre wise) i.e. Tender Total, and will be reimbursed by the Employer, on proof of payment/liability, subject to the ceiling of the amounts indicated in this Table. All taxes mentioned here shall be in Indian Rupees only.
4. Evaluation shall be done without considering 'Basic Custom Duty'

SIGNATURE OF TENDERER

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CONTRACT RS (3R)

VOLUME 6

PRICING DOCUMENT

APPENDIX A2

**AMOUNTS APPORTIONED TO COST CENTRES FOR
14 METRO TRAINS UNDER SCHEDULE X**

APPENDIX A2

AMOUNTS APPORTIONED TO COST CENTRES FOR 14 METRO TRAINS OF SCHEDULE X

INDEX OF COST CENTRES

Cost Centre	Description
M	Mobilisation Advance
A.	Preliminaries and General Requirements for Rolling Stock and Design of Rolling Stock
B.	Offshore Manufacture, Factory Testing, Inspection, Marine Insurance and Shipping to Port in India and transit Insurance from Port in India to Depot Site
C.	Indigenous Manufacture, Factory Testing, Inspection and Dispatch, transit insurance from factory to Depot Site
G.	Unit Exchange Spares, Mandatory Spares, Recommended Spares, Consumable spares for a period up to expiry of Defect Liability Period, special tools testing and diagnostic equipment

APPENDIX A2

SCHEDULE OF AMOUNTS APPORTIONED TO COST CENTRES

COST CENTRE DESCRIPTIONS

(To be Completed and Submitted as part of Appendix FT-2 to the Form of Tender)

COST CENTRE No. A – PRELIMINARIES AND GENERAL REQUIREMENTS FOR ROLLING STOCK AND DESIGN OF ROLLING STOCK

This Cost Centre comprises all those obligations and ongoing activities throughout the Contract not associated directly with any other Cost Centre.

This includes but is not limited to:

- Submission of Project Management Plan;
- Submission of Interface Management Plan and Detailed Interface Documents;
- Submission of Works Programme;
- Submission of Design Submission Programme;
- Submission of Quality Assurance Plan;
- Submission of Safety Assurance plan and Site Safety Plan;
- Submission of Environmental Plan;
- Submission of Software Quality Assurance Plan;
- Submission of Inspection, Testing Commissioning and Integration Plan;
- Liaison with other Designated Contractors during the design process;
- Submission of the Preliminary Design, the pre-Final Design;
- Preparation of Mock-up and 3-D Computer Modelling for Rolling Stock;
- Submission of the Final Design Document;
- Submission of “As-Built drawings”;
- Any other item considered necessary to comply with the Scope of Work.

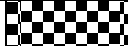
Notes:

1. The amount that can be apportioned in this Cost Centre shall be 7% of the Sub-Total (1+2) in Pricing Document “Appendix A1 and B1”.
2. It is certified that Pricing Document ‘Appendix A2’ annexed in Technical Package is a “TRUE COPY” (with prices masked) of the said Pricing Document ‘Appendix A2 in the Financial Package.

SIGNATURE OF TENDERER

APPENDIX A2

COST CENTRE NO. A – PRELIMINARIES AND GENERAL REQUIREMENTS FOR ROLLING STOCK AND DESIGN OF ROLLING STOCK

Milestone Number	Milestone Activity	Apportioned Amount				Milestone from NTP	Allowable Apportionment to Sub-Total (1)+(2)
		Foreign Currency			Indian Rupees		%
		Column A1	Column A2	Column A3	Column B		
	Obtain the “Notice of No Objection” or “Notice of No Objection Subject to _____” from the Engineer for:						
A1	Project Management Plan.					4	
A2	Interface Management Plan and Detailed Interface Documents.					4	
A3	Works Programme (Master Schedule).					4	
A4	Design Submission Programme.					4	
A5	Quality Assurance Plan.					8	
A6	System Safety Assurance Plan and Site Safety Plan.					8	
A7	Environmental Plan.					8	
A8	Software Quality Assurance Plan.					8	
A9	Inspection, Testing, Commissioning and Integrated Testing Plan.					12	
A10	Preliminary Design Submission.					12	
A11	Pre-Final Design Submission.					50	
A12	Final Design Approval					90	
A13	Mock-up inspection at Contractor's Factory					70	
A14	“As-Built Drawings” delivery					136	
A15	Any other item considered necessary by the contractor to comply with the Scope of Work					180	
COST CENTRE TOTAL							7

Notes:

- The amount that can be apportioned for Cost Centre A shall be 7% of the Sub-Total (1+2) in pricing Document “Appendix A1 and B1”.
- It is certified that Pricing Document ‘Appendix A2’ annexed in Technical Package is a “TRUE COPY” (with prices masked) of the said Pricing Document ‘Appendix A2’ in the Financial Package.

SIGNATURE OF TENDERER

APPENDIX A2

COST CENTRE NO. B - OFFSHORE MANUFACTURE, FACTORY TESTING, INSPECTION, MARINE INSURANCE AND SHIPPING TO PORT IN INDIA AND TRANSIT INSURANCE FROM PORT IN INDIA TO DEPOT SITE

This Cost Centre comprises all those obligations and ongoing activities throughout the Contract not associated directly with any other Cost Centre. This includes but is not limited to:

For the first metro train/pilot metro train,


- selection of suppliers for major system and sub-systems for trains;
- completion of all routine and type testing of equipment;
- completion of Main Tooling for manufacture;
- completion of all Factory Acceptance Tests;
- completion of test running in factory;
- completion of manufacture, testing, running etc and inspection/clearance of Pilot/1st Metro Train by the Engineer
- completion of the shipment to port in India; and
- provision of Marine and Transit Insurance from off-shore Factory to Depot Site in Kolkata
- Any additional modifications as determined during the testing of the Pilot-Train.

For the other thirteen (13) metro trains,

- completion of all Factory Acceptance Tests;
- completion of test running in factory;
- completion of manufacture, testing, running etc and inspection/clearance of trains by the Engineer
- completion of the shipment to port in India; and
- provision of Marine and Transit Insurance from off-shore Factory to Depot Site in Kolkata
- Any additional modifications as determined during the testing of the remaining 13 trains.

APPENDIX A2

COST CENTRE NO. B - OFFSHORE MANUFACTURE, FACTORY TESTING, INSPECTION, MARINE INSURANCE AND SHIPPING TO PORT IN INDIA AND TRANSIT INSURANCE FROM PORT IN INDIA TO DEPOT SITE

Milestone Number	Milestone Activity	Apportioned Amount				Weeks From NTP	Allowable Apportionment to Sub-Total (1)+(2)
		Foreign Currency			Indian Rupees		%
		Column A1	Column A2	Column A3	Column B		
	Obtain the “Notice of No Objection” or “Notice of No Objection Subject to ____” from the Engineer after: * Issue of Inspection Certificate on satisfactory completion of all Factory Tests/running; * Marine Insurance; * Documents for shipment to Indian Port; * Transit insurance from Port in India to Depot Site in Kolkata; and for;						
B1	Pilot / 1 st 6-car Metro Train					128	
B2	Obtain as above for 2 nd 6-car Metro Train.						
B3	Obtain as above for 3 rd 6-car Metro Train.						
B4	Obtain as above for 4 th 6-car Metro Train.						
B5	Obtain as above for 5 th 6-car Metro Train.					148	
B6	Obtain as above for 6 th 6-car Metro Train.						
B7	Obtain as above for 7 th 6-car Metro Train.						
B8	Obtain as above for 8 th 6-car Metro Train.						
B9	Obtain as above for 9 th 6-car Metro Train.						
B10	Obtain as above for 10 th 6-car Metro Train.						
B11	Obtain as above for 11 th 6-car Metro Train						
B12	Obtain as above for 12 th 6-car Metro Train						
B13	Obtain as above for 13 th 6-car Metro Train						
B14	Obtain as above for 14 th 6-car Metro Train.					172	
COST CENTRE TOTAL							

Notes:

1. The apportioned amounts (foreign currencies and local currency in INR) shall be the same for all Milestones relevant to the cost centres.
2. The Tenderers are encouraged to assemble/manufacture trains indigenously. However, manufacture and assembly of trains indigenously is not mandatory.
3. It is certified that Pricing Document 'Appendix A2' annexed in Technical Package is a "TRUE COPY" (with prices left blank) of the said Pricing Document 'Appendix A2' annexed in the Financial Package.

SIGNATURE OF TENDERER

APPENDIX A2

COST CENTRE NO. C - INDIGENOUS MANUFACTURE, FACTORY TESTING, INSPECTION AND DISPATCH, TRANSIT INSURANCE FROM FACTORY TO DEPOT SITE.

This Cost Centre comprises all those obligations and ongoing activities throughout the Contract not associated directly with any other Cost Centre.

For the first metro train/pilot metro Train


- selection of suppliers for major system and sub-systems for trains;
- completion of all routine and type testing of equipment;
- completion of Main Tooling for manufacture;
- completion of all Factory Acceptance Tests;
- completion of test running in factory;
- completion of manufacture, testing, etc and inspection/clearance of 1st/Pilot Metro Train by the Engineer; and
- provision of insurance, dispatch, transit insurance ex Factory to Depot site in Kolkata

For the remaining Metro Trains

- completion of all Factory Acceptance Tests;
- completion of test running in factory;
- completion of manufacture, testing, running etc and inspection/clearance of trains by the Engineer; and
- provision of insurance, dispatch, transit insurance ex Factory to Depot site in Kolkata

APPENDIX A2

COST CENTRE NO. C - INDIGENOUS MANUFACTURE, FACTORY TESTING, INSPECTION AND DISPATCH, TRANSIT INSURANCE FROM FACTORY TO DEPOT SITE

Milestone Number	Milestone Activity	Apportioned Amount				Weeks From NTP	Allowable Apportionment to Sub-Total (1)+(2)
		Foreign Currency			Indian Rupees		%
		Column A1	Column A2	Column A3	Column B		
	Obtain the “Notice of No Objection” or “Notice of No Objection Subject to ____” from the Engineer after: * Issue of Inspection/ <i>Clearance</i> Certificate on satisfactory completion of all Factory Tests; * Transit insurance * Dispatch Documents; and for						
C1	Pilot / 1 st 6-car Metro Train					128	
C2	Obtain as above for 2 nd 6-car Train.						
C3	Obtain as above for 3 rd 6-car Train.						
C4	Obtain as above for 4 th 6-car Train.						
C5	Obtain as above for 5 th 6-car Train.					148	
C6	Obtain as above for 6 th 6-car Train.						
C7	Obtain as above for 7 th 6-car Train.						
C8	Obtain as above for 8 th 6-car Train.						
C9	Obtain as above for 9 th 6-car Train.						
C10	Obtain as above for 10 th 6-car Train.						
C11	Obtain as above for 11 th 6-car Train.						
C12	Obtain as above for 12 th 6-car Train.						
C13	Obtain as above for 13 th 6-car Train.						
C14	Obtain as above for 14 th 6-car Train.					172	
COST CENTRE TOTAL							

Notes:

1. The apportioned amounts (foreign currencies and local currency) shall be the same for all Milestones relevant to the cost centre.
2. The Tenderers are encouraged to assemble / manufacture trains indigenously. However, manufacture and assembly of trains indigenously is not mandatory.

- 3** It is certified that Pricing Document 'Appendix A2' annexed in Technical Package is a "TRUE COPY" (with prices masked) of the said Pricing Document 'Appendix A2' annexed in the Financial Package.

SIGNATURE OF TENDERR

APPENDIX A2

COST CENTRE NO. G - UNIT EXCHANGE SPARES, MANDATORY SPARES, RECOMMENDED SPARES, CONSUMABLE SPARES FOR A PERIOD UPTO EXPIRY OF DEFECT LIABILITY PERIOD, SPECIAL TOOLS TESTING AND DIAGNOSTIC EQUIPMENT.

This Cost Centre comprises all those obligations and activities throughout the Contract connected with the provision and supply of spares, special tools, testing and diagnostic equipment.

This includes but is not limited to:

- Supply of Unit exchange spares, Mandatory Spares, Recommended Spares.
- Supply of consumable spares up to expiry of Defect Liability Period.
- Supply of Special tools, testing and diagnostic equipments.
- Supply of special jigs, fixtures and gauges for repair and maintenance.
- Supply of Overhauling Spares for 5 complete Metro Trains of [DTC+MC+MC+MC+MC+DTC]
- Any other item considered necessary to comply with the scope of works.


Note:

1. The costs indicated in this Cost Centre for all the Milestones G1 to G6 shall be the actual costs and not the apportioned costs.
2. For Milestones G3, G4, G5 & G6:-
Tenderer shall furnish the list and unit price for each item
3. For Milestone G4:-

In case of increase of quantities of ordered metro trains on account of the Employer exercising of Option referred to Clause A1.5 of Part I Pricing Document, the cost of consumables, quoted under this Milestone will be increased on pro-rata basis.

APPENDIX A2

COST CENTRE NO. G - UNIT EXCHANGE SPARES, MANDATORY SPARES, RECOMMENDED SPARES, CONSUMABLE SPARES FOR A PERIOD UPTO EXPIRY OF DEFECT LIABILITY PERIOD, SPECIAL TOOLS TESTING AND DIAGNOSTIC EQUIPMENT

Milestone Number	Milestone Activity	F.C (COLUMN 'A')	L.C (INR) (COLUMN 'B')	Weeks From NTP
Obtain the "Notice of No Objection" or "Notice of No Objection Subject to ____" from the Engineer for the delivery of the following:				
G1	Unit Exchange Spares <i>(Details to be given as per Annexure GA1):</i>			
G1.1	Delivery for Lot No.1			128
G1.2	Delivery for Lot No.2			156
G1.3	Delivery for Lot No.3			180
G2	Mandatory Spares <i>(Details to be given as per Annexure GA2):</i>			
G2.1	Delivery for Lot No.1			128
G2.2	Delivery for Lot No.2			156
G2.3	Delivery for Lot No.3			180
G3	Recommended Spares <i>(Details to be given as per Annexure GA3):</i>			
G3.1	Delivery for Lot No.1			128
G3.2	Delivery for Lot No.2			156
G3.3	Delivery for Lot No.3			180
G4	Consumable Spares for tendered quantity for period up to expiry of Defect Liability Period:- <i>(Details to be given as per Annexure GA4)</i>			128
G5	Special Tools, Jigs, Fixtures, Gauges, Testing and Diagnostic Equipment <i>(Details to be given as per Annexure GA5):</i>			
G5.1	Delivery for Lot No.1			128
G5.2	Delivery for Lot No.2			156
G6	Intermediate Overhauling Spares for 5 x 6 car Metro trains. <i>(Details to be given as per Annexure GA6)</i>			180
COST CENTRE TOTAL				

Notes:

1. Tenderers shall note that Weeks for completion of Milestone noted above will be linked to KEY DATES

2. Employer at his sole discretion may exercise the option to increase/decrease the quantities (to any extent) of spares indicated under milestones G1, G2, G3, G5 and G6. Payment to the contractor shall be on the basis of actual supplies made and quoted unit rates and no escalation or any other additional sums shall be payable. Any decrease in quantities shall be intimated by Employer within 104 weeks of the NTP. However increase in quantities may be intimated at any time during the execution of Contract and the delivery period for the enhanced quantities only shall be mutually agreed.
3. Accomplishment of Milestone 'G6' will be a pre-requisite for issue of the Performance Certificate.
4. Contractor shall indicate the annual percentage that will be applicable for increase or decrease of the unit cost of each item/spare listed in Pricing Document Appendix G, GA1 to GA6 for procurement by Employer for a period of up to five years after the date of issue of the Performance Certificate for Contract RS (3R).
5. Employer may exercise the option to procure individual Spares listed in Pricing Document Appendix G GA1 to GA6 by the tender at any time within five years of the date of issue of Performance Certificate. Procurement Price in such case shall be calculated by considering the percentage of increase/decrease per annum (with minimum duration as one month) as quoted by the Contractor in Pricing Document Appendix G, GA1 to GA6.
6. The total amount for Cost Centre G shall be carried to the Tender Total in Pricing Document Appendices A and A1.
7. It is certified that Pricing Document 'Appendix A2' annexed in Technical Package is a "TRUE COPY" (with prices masked) of the said Pricing Document 'Appendix A2' in the Financial Package.

SIGNATURE OF TENDERER

KOLKATA METRO RAIL CORPORATION LIMITED
EAST WEST METRO PROJECT

**DESIGN, MANUFACTURE, SUPPLY, TESTING,
COMMISSIONING AND INTEGRATION OF PASSENGER
ROLLING STOCK (ELECTRICAL MULTIPLE UNITS), AND
TRAINING OF PERSONNEL**

CONTRACT RS (3R)

VOLUME 6

PRICING DOCUMENT

APPENDIX B1

Apportionment of Lump Sum Price under Schedule Y

APPENDIX B1

Apportionment of Lump Sum Price under Schedule Y among Cost Centres

Cost Centre*	Description	Total Apportioned Amounts of Cost Centre Items				Allowable Apportionment
		Foreign Currency, Column A	Foreign Currency, Column B	Foreign Currency, Column C	Indian Rupees,	%
D.	Inland Transportation of offshore manufactured trains within India including handling charges at port in India, depot or at any other place, and all other incidental costs, receipt of cars in depot, formation of trains, satisfactory completion of tests and running of train in the depot					2
E.	Inland Transportation of Indigenous manufactured trains within India including handling charges at depot or at any other place, and all other incidental costs, receipt of cars in depot, formation of trains, satisfactory completion of tests and running of train in the depot					
F.	Integrated Testing and Commissioning of Trains on the Section and Service Trials					7
H.	Training, Operation and Maintenance Manuals					1
R.	Taking Over of the last train					5
Sub-Total (2)						15
TENDER TOTAL SCHEDULE Y						

Notes:

1. Tenderers are required to show Cost Centre amounts in the above columns as appropriate. Maximum number of currencies including local currency is four.
2. The Tenderer shall note that the amount that can be apportioned in each Cost Centre shall follow the specified % as shown in the column "Allowable Apportionment" above. If the Tenderer does not submit the Pricing Document in accordance with the above criteria, the Tender may be rejected. Sub-Total 1 of Schedule X + Sub-Total 2 of Schedule Y = 100%
3. Costs under each Cost Centre (except Cost Centre R) shall include all types of insurance.
4. It is certified that Pricing Document 'Appendix B1' annexed in Technical Package is a "TRUE COPY" (with prices blanked off) of the said Pricing Document 'Appendix B1' in the Financial Package.
5. Applicable service taxes will be reimbursed at actual on submission of documentary evidence.
6. The sum of Cost Centres D and E is allowed to quote less than 2% and thereby adding the balance % to Cost Centre F to arrive at the Sub-Total 2 of 15%.

APPENDIX B1

DETAILS OF TAXES/ DUTIES/ LEVIES ETC COST CENTRE WISE UNDER SCHEDULE Y

(Refer to Paragraph A1.1 of Part I, Instructions for Completing the Pricing Document)

COST CENTER B	Insurance	
	(1)	
	Rate (%)	Amount
D		
E		
F		
H		
TOTAL		

Notes:

1. The Tenderer to give in his Tender offer giving the following:
 - (a) All types of insurances.
2. Applicable service taxes will be reimbursed at actual on submission of documentary evidence.

SIGNATURE OF TENDERER

KOLKATA METRO RAIL CORPORATION LIMITED
EAST WEST METRO PROJECT

**DESIGN, MANUFACTURE, SUPPLY, TESTING AND COMMISSIONING OF
ELECTRICAL MULTIPLE UNITS (EMUS) AND TRAINING OF PERSONNEL**

CONTRACT RS (3R)

VOLUME 6

PRICING DOCUMENT

APPENDIX B2

**AMOUNTS APPORTIONED TO COST CENTRES
FOR 14 METRO TRAINS OF SCHEDULE Y**

(To be submitted as part of Appendix FT-2 to the Form of Tender)

APPENDIX B2

AMOUNTS APPORTIONED TO COST CENTRES FOR 14 METRO TRAINS OF SCHEDULE Y

INDEX OF COST CENTRES

Cost Centre	Description
D.	Inland Transportation of offshore manufactured trains within India including handling charges at port in India, depot or at any other place, and all other incidental costs, receipt of cars in depot, formation of trains, satisfactory completion of tests and running of train in the Depot
E.	Inland Transportation of Indigenous manufactured trains within India including handling charges at depot or at any other place, and all other incidental costs, receipt of cars in depot, formation of trains, satisfactory completion of tests and running of train in the Depot
F.	Integrated Testing and Commissioning of Trains on the Section and Service trials
H.	Training , Operation and Maintenance Manuals
R.	Taking Over of the last train

APPENDIX B2

COST CENTRE NO. D – INLAND TRANSPORTATION OF OFFSHORE MANUFACTURED TRAINS WITHIN INDIA INCLUDING HANDLING CHARGES AT PORT IN INDIA, DEPOT OR AT ANY OTHER PLACE, AND ALL OTHER INCIDENTAL COSTS, RECEIPT OF CARS IN DEPOT, FORMATION OF TRAINS, SATISFACTORY COMPLETION OF TESTS AND RUNNING OF TRAIN IN THE DEPOT

This Cost Centre comprises all those obligations and ongoing activities throughout the Contract not associated directly with any other Cost Centre.

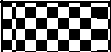
This includes but is not limited to:

- transportation costs for manufactured trains from the port in India to Depot in Kolkata;
- all handling costs and incidental charges at port in India, Depot and any intermediate location in India;
- all costs associated with special traffic arrangements necessary for transportation;
- formation of trains, completion of functional tests and running of trains in the Depot and on Test Track

APPENDIX B2

COST CENTRE NO. D – INLAND TRANSPORTATION OF OFFSHORE MANUFACTURED TRAINS WITHIN INDIA INCLUDING HANDLING CHARGES AT PORT IN INDIA, DEPOT OR AT ANY OTHER PLACE, AND ALL OTHER INCIDENTAL COSTS, RECEIPT OF CARS IN DEPOT, FORMATION OF TRAINS, SATISFACTORY COMPLETION OF TESTS AND RUNNING OF TRAIN IN THE DEPOT

Milestone Number	Milestone Activity	Apportioned Amount				Weeks From NTP	Allowable Apportionment to Sub-Total (1)+(2)
		Foreign Currency			Indian Rupees		
		Column A1	Column A2	Column A3	Column B		%
	Obtain the “Notice of No Objection” or “Notice of No Objection Subject to ____” from the Engineer after: * Dispatch of cars from Port in India; * Receipt of cars in the Depot in Kolkata * Formation of train, obtaining certificate of satisfactory completion of functional tests and running of train in the Depot and on Test Track for;						
D1	Pilot / 1 st 6-car Metro Train						
D2	Obtain as above for 2 nd 6-car Metro Train.						
D3	Obtain as above for 3 rd 6-car Metro Train.						
D4	Obtain as above for 4 th 6-car Metro Train.						
D5	Obtain as above for 5 th 6-car Metro Train.						
D6	Obtain as above for 6 th 6-car Metro Train.						
D7	Obtain as above for 7 th 6-car Metro Train.						
D8	Obtain as above for 8 th 6-car Metro Train.						
D9	Obtain as above for 9 th 6-car Metro Train.						
D10	Obtain as above for 10 th 6-car Metro Train.						
D11	Obtain as above for 11 th 6-car Metro Train.						

Milestone Number	Milestone Activity	Apportioned Amount				Weeks From NTP	Allowable Apportionment to Sub-Total (1)+(2)
		Foreign Currency			Indian Rupees		
		Column A1	Column A2	Column A3	Column B		%
D12	Obtain as above for 12 th 6-car Metro Train.						
D13	Obtain as above for 13 th 6-car Metro Train.						
D14	Obtain as above for 14 th 6-car Metro Train.						
COST CENTRE TOTAL							

Notes:

1. The apportioned amounts (foreign currencies and local currency) shall be the same for all Milestones relevant to the cost centre.
2. The Tenderers are encouraged to assemble/manufacture trains indigenously. However, manufacture and assembly of trains indigenously is not mandatory.
3. It is certified that Pricing Document 'Appendix B2' annexed in Technical Package is a "TRUE COPY" (with prices masked) of the said Pricing Document 'Appendix B2' annexed in the Financial Package.
4. Amount that can be apportioned to the Cost Centre D & Cost centre E is max 2% Of Sub-total 1+ 2 of Appendices A1 and B1.

SIGNATURE OF TENDERER

APPENDIX B2

COST CENTRE NO. E – INLAND TRANSPORTATION OF INDIGENOUS MANUFACTURED TRAINS WITHIN INDIA INCLUDING HANDLING CHARGES AT DEPOT OR AT ANY OTHER PLACE, AND ALL OTHER INCIDENTAL COSTS, RECEIPT OF CARS IN DEPOT, FORMATION OF TRAINS, SATISFACTORY COMPLETION OF TESTS AND RUNNING OF TRAIN IN THE DEPOT

This Cost Centre comprises all those obligations and ongoing activities throughout the Contract not associated directly with any other Cost Centre.


This includes but is not limited to:

- transportation costs of indigenously manufactured trains from factory in India to Depot in Kolkata;
- all handling costs and incidental charges at factory in India, Depot and any intermediate location in India;
- all costs associated with special traffic arrangements necessary for transportation;
- formation of trains, completion of functional tests and running of trains in the Depot and on Test Track.

APPENDIX B2

COST CENTRE NO. E – INLAND TRANSPORTATION OF INDIGENOUS MANUFACTURED TRAINS WITHIN INDIA INCLUDING HANDLING CHARGES AT DEPOT OR AT ANY OTHER PLACE, AND ALL OTHER INCIDENTAL COSTS, RECEIPT OF CARS IN DEPOT, FORMATION OF TRAINS, SATISFACTORY COMPLETION OF TESTS AND RUNNING OF TRAIN IN THE DEPOT

Milestone Number	Milestone Activity	Apportioned Amount				Weeks From NTP	Allowable Apportionment to Sub-Total (1)+(2)
		Foreign Currency			Indian Rupees		%
		Column A1	Column A2	Column A3	Column B		
	Obtain the “Notice of No Objection” or “Notice of No Object Subject to ____” from the Engineer after: * Dispatch of cars from Factory in India; * Receipt of cars in the Depot in Kolkata; * Formation of train, obtaining certificate of satisfactory completion of functional tests and running of train in the Depot and on Test Track for;						
E1	Pilot /1 st 6-car Metro Train						
E2	Obtain as above for 2 nd 6-car Metro Train.						
E3	Obtain as above for 3 rd 6-car Metro Train.						
E4	Obtain as above for 4 th 6-car Metro Train.						
E5	Obtain as above for 5 th 6-car Metro Train.						
E6	Obtain as above for 6 th 6-car Metro Train.						
E7	Obtain as above for 7 th 6-car Metro Train.						
E8	Obtain as above for 8 th 6-car Metro Train.						
E9	Obtain as above for 9 th 6-car Metro Train.						
E10	Obtain as above for 10 th 6-car Metro Train.						
E11	Obtain as above for 11 th 6-car Metro Train.						

Milestone Number	Milestone Activity	Apportioned Amount				Weeks From NTP	Allowable Apportionment to Sub-Total (1)+(2)
		Foreign Currency			Indian Rupees		
		Column A1	Column A2	Column A3	Column B		%
E12	Obtain as above for 12 th 6-car Metro Train.						
E13	Obtain as above for 13 th 6-car Metro Train.						
E14	Obtain as above for 14 th 6-car Metro Train.						
COST CENTRE TOTAL							

Notes:

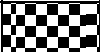
1. The apportioned amounts (foreign currencies and local currency) shall be the same for all Milestones relevant to the cost centre.
2. The Tenderers are encouraged to assemble/manufacture trains indigenously. However, manufacture and assembly of trains indigenously is not mandatory.
3. It is certified that Pricing Document 'Appendix B2' annexed in Technical Package is a "TRUE COPY" (with prices masked) of the said Pricing Document 'Appendix B2' annexed in the Financial Package.
4. Amount that can be apportioned to their Cost Centre D & Cost centre E is max 2% Of Sub-total 1+ 2 of Appendices A1 and B1.

SIGNATURE OF TENDERER

APPENDIX B2

TRIALS COST CENTRE NO. F – INTEGRATED TESTING AND COMMISSIONING OF TRAINS AND SERVICE (On KMRCL ALIGNMENT)

Milestone Number	Milestone Activity	Apportioned Amount				Weeks From NTP	Allowable Apportionment to Sub-Total (1)+(2)
		Foreign Currency			Indian Rupees		
		Column A1	Column A2	Column A3	Column B		%
	Obtain the “Notice of No Objection” or “Notice of No Objection Subject to ____” from the Engineer after: <ul style="list-style-type: none"> Completion of Integrated Testing and Commissioning in the Depot; Completion of Integrated Testing and Commissioning on the section of KMRCL Alignment in conjunction with Designated contractors; **Instrumentation Tests of Pilot/1st Metro train, conducting oscillation trials with measuring wheels as per requirement of Statutory Authorities, compilation of test Results, obtaining sanction of Statutory Authorities for fitness of train for carriage of passengers in respect of Pilot Metro Train only and restoration of pilot train with normal wheels after completion of test. Service Trials: 						
F1	Pilot / 1 st 6-car Metro Train						
F2	Obtain as above for 2 nd 6-car Metro Train.						
F3	Obtain as above for 3 rd 6-car Metro Train.						
F4	Obtain as above for 4 th 6-car Metro Train.						
F5	Obtain as above for 5 th 6-car Metro Train.					156	
F6	Obtain as above for 6 th 6-car Metro Train.						
F7	Obtain as above for 7 th 6-car Metro Train.						
F8	Obtain as above for 8 th 6-car Metro Train.						
F9	Obtain as above for 9 th 6-car Metro Train.						
F10	Obtain as above for 10 th 6-car Metro Train.						
F11	Obtain as above for 11 th 6-car Metro Train.						

Milestone Number	Milestone Activity	Apportioned Amount				Weeks From NTP	Allowable Apportionment to Sub-Total (1)+(2)
		Foreign Currency			Indian Rupees		
		Column A1	Column A2	Column A3	Column B		%
F12	Obtain as above for 12 th 6-car Metro Train.						
F13	Obtain as above for 13 th 6-car Metro Train.						
F14	Obtain as above for 14 th 6-car Metro Train.					180	
COST CENTRE TOTAL							7%

** These are applicable to Pilot Train only.

Notes:

1. The apportioned amounts (foreign currencies and local currency) shall be the same for all Milestones relevant to the cost centre.
2. The Tenderers are encouraged to assemble/manufacture trains indigenously. However, manufacture and assembly of trains indigenously is not mandatory.
3. It is certified that Pricing Document 'AppendixB2' annexed in Technical Package is a "TRUE COPY" (with prices masked) of the said Pricing Document 'Appendix B2' annexed in the Financial Package.
4. Amount that can be apportioned to the Cost Centre is max 7% Of Sub total 1+ 2 of Appendices A1 and B1.

SIGNATURE OF TENDERER

APPENDIX B2

COST CENTRE No. H – TRAINING, OPERATION AND MAINTENANCE MANUALS

This Cost Centre comprises:

1. All those obligations and activities throughout the Contract associated with training of operating and maintenance personnel

This includes but is not limited to:

- Deputation of Instructors by the Contractors for training of Operations and Maintenance personnel of the Employer in India.
- Training of Operations and Maintenance personnel of the Employer at the Contractor's facilities off-shore.
- Furnishing of Training Manual and connected Materials.
- Any other item considered necessary for the Contractor to comply with the Scope of Works.

Notes :

- 1 The Tenderer shall not complete the column "Weeks for completion of Milestone from NTP" for above activities.
- 2 The dates of operation of the Milestone Activities will be at the discretion of the Employer.
- 3 The monthly cash flow on the basis of which PV is to be worked out will exclude the amount of this cost centre though this cost centre amount shall be included in the Tender Total.
- 4 The travel, boarding and lodging expenses for the employer's trainees sent overseas will be borne by the Employer.

2. All those obligations and activities throughout the Contract associated with the provision of Manuals.

This includes but is not limited to:

- Provision of Operating Manuals (Hard copies and in Electronic format).
- Provision of Maintenance Manuals (Hard copies and in Electronic format).
- Provision of Spare parts Catalogue (Hard copies and in Electronic format).
- Any other item considered necessary by the Contractor to comply with the Scope of Works.


Notes:

1. The amount that can be apportioned for Pricing Document Cost Centre H shall be 1% of the Sub-Total (1+ 2) in Pricing Document "Appendix A1 and B1".
2. It is certified that Pricing Document 'Appendix B2' annexed in Technical Package is a "True Copy" (with prices masked) of the said Pricing Document 'Appendix B 2' in the Financial Package.

SIGNATURE OF TENDERER

APPENDIX B2

COST CENTRE NO. H - TRAINING, OPERATION AND MAINTENANCE MANUALS

Milestone Number	Milestone Activity	Apportioned Amount				Weeks From NTP	Allowable Apportionment to Sub-Total (1)+(2)
		Foreign Currency			Indian Rupees		%
		Column A1	Column A2	Column A3	Column B		
	Obtain the “Notice of No Objection” or “Notice of No Object Subject to ____” from the Engineer for the completion of all training including delivery of final training manuals for the following:						
H1	Training of Employer's Driving Instructors and Drivers (4 man months) in operation of MRTS off-shore.						
H2	Training of Employer's maintenance personnel (15man months) in Contractor's / Sub Contractor's Works and MRTS offshore.						
H3	Provision of Contractor's Driving Instructors (2 man months) for Training of Employer's operating personnel in India.						
H4	*Provision of Contractor's Instructors or OEM's Experts (40 man months) for on job Training and supervision of Employer's maintenance personnel in the metro train depot of KMRCL in India.						
H5	Submission of Training manuals (Original plus five hard copies) and in Electronic format.						
	Obtain the “Notice of No Objection” or “Notice of No Objection Subject to----- “ from the Engineer on delivery of the following final Manuals**:-						
H6	Operating Manual (Original plus five hard copies) and in Electronic format.					128	
H7	Maintenance Manual (Original plus five hard copies) and in Electronic format.					136	
H8	Spare parts Catalogue (Original plus five hard copies) and in Electronic format.					156	
	Obtain the “Notice of No Objection” or “Notice of No Objection Subject to----- “ from the Engineer for completion of the following:						
H9	Any other item considered necessary by the Contractor to comply with the scope of works					180	
COST CENTRE TOTAL							1%

- * On job training and supervision includes theoretical training as well as practical training at the time of maintenance during day and night in the Depot.
- ** The manuals will be given for training of operation and maintenance staff. These manuals have to be updated taking into account the experience during the O&M phase regarding troubleshooting, modifications to control/ eliminate failures etc. Final manuals are to be supplied before expiry of Defects Liability Period.

Notes:

1. The Tenderer shall not complete the column "Weeks for completion of Milestone from NTP for Milestones H6 to H9
2. The dates of operation of the Milestones Activities for Milestones H1 to H5 will be at the discretion of the Employer.
3. Not used.
4. The travel, boarding and lodging expenses for the employer's trainees sent overseas will be borne by the Employer.
5. Amount quoted in this Cost Centre shall be ACTUAL COST and not apportioned cost. However, the amount that can be apportioned for Cost Centre H shall be 1% of the Tender Total (Sub-total1+ 2) in Pricing Document "Appendix A1 and B1".
6. It is certified that Pricing Document 'Appendix B2' annexed in Technical Package is a "TRUE COPY" (with prices masked) of the said Pricing Document 'Appendix B2' in the Financial Package.

SIGNATURE OF TENDERER

**KOLKATA METRO RAIL CORPORATION LIMITED
KOLKATA METRO RAIL PROJECT**

**DESIGN, MANUFACTURE, SUPPLY, TESTING,
COMMISSIONING AND INTEGRATION OF PASSENGER
ROLLING STOCK (ELECTRICAL MULTIPLE UNITS), AND
TRAINING OF PERSONNEL**

PRICING DOCUMENT

APPENDIX E

SCHEDULE OF ADJUSTMENT DATA UNDER SCHEDULE X

APPENDIX E

SCHEDULE OF ADJUSTMENT DATA

Tenderer is required to complete the schedule of adjustment data with data left blank will form a part of Technical Package. The schedule of adjustment data duly completed with data shall be included in Financial Package only for Schedule X only.

Schedule of Adjustment Data for Schedule X

In conjunction with the Price Variation Formula as stipulated under Clause 13.2 of the Special Conditions of Contract, Tenderer is required to complete this Table in accordance with the requirements as specified herein.

Index code	Index description	Source of index	Base value and date	Tenderer's related currency and amount	Tenderer's weighting
	Nonadjustable	—	—		a:=0.33 (fixed)
S ₁	Stainless Steel	CRUspi	So		b=0.2
C ₁	Copper	LME	Co		c=0.1
F ₁	Carbon Steel	See Note - 2	Fo		d:=0.1
L ₁	Labour	See Note - 3	Lo		f:=0.2
O ₁	Crude Oil	London Brent Crude Oil	Oo		g:=0.07
Total of (a+b+c+d+f+g)					1.00

Date for Adjustment = The Date 120 days prior to date of shipment of last metro train set (for Cost Centres A, B and C and 28 days before the Date of Despatch for other Cost Centres)

Legend:

- Note: 1 Ref to PV formula in the tender document for weightage as well as legend
- Note: 2 Carbon steel price indices published by CRU – SPI for North America, Europe and Asia as continent of origin, or Global as applicable, on the base date.
- Note: 3 Labour indices applicable to the appropriate industry in the country of origin on the base date and the date for adjustment, respectively (published by a credible government source or other labour/price index published by an international funding/financing agency relevant to the country/continent, independent of the tenderer.)
- Note: 4 CRU/LME/ALCOA and Brent Crude Brent price indices are indices internationally recognised.

**KOLKATA METRO RAIL CORPORATION LIMITED
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PRICING DOCUMENT

APPENDIX F

MILESTONE PAYMENT SCHEDULE

APPENDIX F

MILESTONE PAYMENT SCHEDULE (MPS)

SHOWING MONTHLY CASH FLOWS FOR THE CONTRACT

This document to be prepared and completed as required by the Tenderer and submitted as part of Appendix FT-2 to the Form of Tender.

1. The amounts of all Cost Centres will be included in the Monthly Cash Flows for respective Schedule X and Schedule Y
2. Set out the maximum cumulative amount for each currency for all Cost Centres in accordance with Clause 11 of the GCC and Clauses 15 and 16 of the SCC.
3. The MPS shall cover the period commencing from the first day of the second calendar month from the NTP up to one calendar month after the last Key Date achieved. The first interim payment application may be submitted on the first day of the second calendar month from the NTP, such first application will be treated as the month one of the MPS.
4. It is certified that 'Appendix F annexed in Technical Package is a "TRUE COPY" (with prices masked) of said 'Appendix F' in the Financial Package.
5. Submit monthly cash flows separately for Schedule X and Schedule Y

SIGNATURE OF TENDERER

KOLKATA METRO RAIL CORPORATION LIMITED
EAST WEST METRO PROJECT

**DESIGN, MANUFACTURE, SUPPLY, TESTING,
COMMISSIONING AND INTEGRATION OF PASSENGER
ROLLING STOCK (ELECTRICAL MULTIPLE UNITS), AND
TRAINING OF PERSONNEL**

CONTRACT RS (3R)

VOLUME 6

PRICING DOCUMENT

APPENDIX G

SUPPLY OF SPARES, SPECIAL TOOLS AND TESTING EQUIPMENT
(Part of Schedule X)

Appendix GA1

Unit Exchange Spares:

(*Wherever the Unit is mentioned as 'Set', it means '6-Car Metro train' and wherever it is mentioned as 'No', it means 'Numbers')

Sr. No.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
1.	Current Collector Set complete	Set	4					
2.	Traction Motor with half coupling	No	6					
3.	Power Converter and Inverter	No.	2					
4.	Auxiliary Converter with battery charger	No.	2					
5.	High Speed Circuit Breaker Circuit Breaker with control box	No.	2					
6.	Complete Motor Bogie equipped with Traction Motors with power and earthing cables, Wheel Sets and brake units etc.	Set	1					
7	All types of complete Trailer Bogie equipped with wheel sets and brake units.	Set	1					
8	Driving Motor car wheel sets complete with drive mechanism, axle box and bearing, etc.	Set	1					
9.	Trailer car wheel set complete with brake discs, axle box, bearing etc.	Set	1					
11.	Battery cell for 6-car metro train with inter connectors	Set	1					
13.	All Electrical monitoring, control and protection panels etc including pneumatic gauges, sensors as applicable. (list to be furnished by the Tenderer) [#]	Set	1					
14	Coupler: Auto; Semi-permanent;	Set	1					
		Set	1					
15	Gangways (in pair)	Set	1					
16	Master controller & mode selector	No	4					

Sr. No.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
17	PWM Generator with interface panel	No	4					
18	Main Motor Compressor Set for pneumatic system with Starter box/Control box	SET	2					
19	Air dryer	No	2					
20	Secondary suspension (Air suspension) complete set - MC - DTC	Set	1					
		Set	1					
21	Primary springs - MC - DTC	Set	2					
		Set	2					
22	Disc brake or TBU complete set excluding disc. - MC - DTC	Set	2					
		Set	2					
23	Brake control unit (Electronic and pneumatic) - MC - DTC	Set	2					
		Set	2					
24	Complete PA/PIS set including connectors but including interconnecting cable	Set	2					
25	Complete saloon door operating mechanism	No	24					
26	Saloon Air-conditioning Unit	No	8					
27	TIMS Equipment set	No	2					
28	*Measuring Wheel (instrumented)	No	1					
Total of GA1								

Note: *This will be required during Pilot Train Test.

**Contractor shall indicate the annual percentage that will be applicable for increase or decrease of the unit cost of each item/spare listed in Pricing Document Appendices GA1 to GA6 for procurement by Employer for a period of up to five years after the date of issue of the Performance Certificate for Contract RS (3R).

Appendix GA2

Mandatory Spares:

Sr. No.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
	HV Air Condition Unit							
1	Microprocessor based control unit	Set	1					
2	Set of temperature sensor	Set	1					
3	Humidity Sensor	Set	1					
4	Smoke Sensor	Set	1					
5	Fresh & Return air Damper motors	Set	1					
6	Compressor	Set	1					
7	Condenser & Evaporator fans with motor	Set	1					
8	Emergency Inverter with control unit	Set	1					
9	Heating Unit	Set	1					
	Brake & Pneumatics							
1	Set of PCB cards for Brake electronic control unit of DT & M car	Set	2					
2	Set of Power module card (for 6 car metro train)	Set	2					
3	Set of Input Output Card (for 6 car metro train)	Set	2					
4	Speed Sensor	No	20					
5	Brake actuator & Cylinder	No	10					
6	Set of pneumatic Valves (for 6 car metro train)	Set	2					

Sr. No.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
7	Set of magnet Valves (for 6 car metro train)	Set	2					
8	Set of safety Valves (for 6 car metro train)	Set	2					
9	Set of gauges (for 6 car metro train)	Set	2					
10	Set of Sensors (for 6 car metro train)	Set	2					
11	Set of Pressure switches (for 6 car metro train)	Set	2					
12	Set of Pressure governors (for 6 car metro train)	Set	2					
13	Set of all types of isolating cocks (for 6 car metro train)	Set	4					
14	Drivers' brake valve	No	6					
15	Analogue Converter	No	15					
16	Set of Pneumatic Pipe fittings (for 6 car metro train)	Set	1					
	PA/PIS							
1	Set of PCB cards (for 6 car metro train)	Set	2					
2	Set of Power Module Cards (for 6 car metro train)	Set	2					
3	Set of Input Output Cards (for 6 car metro train)	No	2					
4	Train Number Indicator	No	6					
5	Destination Indicator	No	6					
6	Passenger Information Board	No	10					
7	Amplifier	No	4					
8	Speaker	No	8					

Sr. No.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
9	Main operating Panel with Microphone	No	4					
10	Auxiliary operating panel	No	6					
11	Passenger emergency activation device	No	6					
12	Set of PSSS module without cable (for 6 car metro train)	Set	2					
13	LED based Route Map	No	10					
	Doors							
1	Door control unit	No	20					
2	Door panels (pair)	No	6					
3	Door motor including gear mechanism if any	No	6					
4	Set of rollers	Set	8					
5	Set of sensors / switches of saloon doors	Set	8					
6	Cab-Saloon Partition door panels with locking mechanism	No	4					
7	Cab door with operating & locking mechanism	No	4					
8	Set of relays, contractors for Cab door	Set	3					
	Traction Inverter							
1	Set of PCB cards	Set	2					
2	Power module card	No	6					
3	Input Output Card	No	6					
4	Set of Contactors	Set	2					

Sr. No.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
5	Inverter Power Module	No	4					
6	Gate Control Unit	No	4					
7	Earthing protection circuit module	No	4					
	Auxiliary Converter							
1	Set of PCB cards	Set	2					
2	Power module card	No	4					
3	Input Output Card	No	4					
4	Set of Contractor	Set	2					
5	Battery Charger	No	4					
6	Cooling Unit (if applicable)	Set	2					
	TIMS							
1	Set of PCB cards (for 6 car metro train)	Set	2					
2	Display Unit	No	4					
3	Backlight of Display Unit	No	4					
	Master Controller							
1	Set of Switches	Set	2					
2	Potentiometer	No	2					
	High Speed Circuit Breaker							
1	Control box including auxiliary contact, pressure regulator etc.	Set	2					

Sr. No.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
2	Set of Sensors	Set	2					
	Coupler							
1.	Proximity sensor	Set	2					
1	Set of Pneumatic hoses (for 6 car metro train)	Set	2					
2	Set of electrical jumpers with connectors (for 6 car metro train)	Set	2					
	Bogie							
1	Set of Dampers for one bogie	Set	2					
2	Mono link	No	8					
3	Axle boxes including bearing	Set	1					
4	Drive gear unit	Set	1					
	Electrical Items							
1	Set of luminaries – Head light, Tail light, Flasher light, Console light, Gangway light etc., (for 6 car metro train)	Set	2					
2	Complete headlight with lamp & housing	Set	2					
3	Set of DC-DC converter	Set	2					
4	Saloon light inverter	Set	4					
5	Earthing Ground Switch	No	6					
6	Lightening Arrestor	No	6					
7	Automatic Power Controller	No	6					
8	Wiper Unit	No	4					

Sr. No.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
	Miscellaneous items							
1	Set of all hardware – mounting, bolts, washers etc., for Converter/Inverter	Set	2					
2	Set of all hardware – mounting, bolts, washers etc., for Auxiliary converter	Set	2					
3	Set of all hardware – mounting, bolts, washers etc., for pneumatic Compressor	Set	2					
4	Set of all hardware – mounting, bolts, washers etc., for Transformer	Set	2					
5	Set of all hardware – mounting, bolts, washers etc., for Air reservoirs	Set	2					
6	Set of all hardware – mounting, bolts, washers etc., for Valve boxes	Set	2					
7	Set of all hardware – mounting, bolts, washers etc., for Door	Set	2					
8	Set of all hardware – mounting, bolts, washers etc., for Air conditioning unit	Set	2					
9	Set of all hardware – mounting, bolts, washers etc., for Traction Motor	Set	2					
10	Set of all connectors with pins (for 6 car metro train) of MAKE A, B..... (Tenderer to specify)	Set	2					
11	Set of all relays (for 6 car metro train) of MAKE A, B..... (Tenderer to specify)	Set	2					
12	Set of all pushbuttons (for 6 car metro train) of MAKE A, B..... (Tenderer to specify)	Set	2					
13	Set of all contactors (for 6 car metro train) of MAKE A, B..... (Tenderer to specify)	Set	2					
14	Set of all MCBs (for 6 car metro train) of MAKE A, B..... (Tenderer to specify)	Set	2					
15	Set of all indicators (for 6 car metro train) of MAKE A, B..... (Tenderer to specify)	Set	2					
16	Set of all fuses (for 6 car metro train) of MAKE A, B..... (Tenderer to specify)	Set	2					
17	Set of air filters (for 6 car metro train)	Set	2					

Sr. No.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
18	Set of housing/casing/cover for tall light, console light, flasher light, gangway light (for 6 car metro train)	Set	2					
19	Housing/casing/cover for saloon light	Set	2					
20	Set of Seats in Cab	Set	2					
21	Set of Glasses of Door & window	Set	2					
22	Windshield glass	Set	2					
23	Battery Box	Set	2					
24	Draught Screen	Set	2					
25	Set of spares for current collector (Tenderer To specify)	set	4					
26	Cab Fronts	No	2					
Total of GA2								

Note: *Wherever the Unit is mentioned as 'Set', it means '(for 6 car metro train)' and wherever it is mentioned as 'No', it means 'Numbers'.

Contractor shall indicate the annual percentage that will be applicable for increase or decrease of the unit cost of each item/spare listed in Pricing Document Appendix GA1 to GA6 for procurement by Employer for a period of up to five years after the date of issue of the Performance Certificate for Contract RS (3R).

Appendix GA3

Recommended Spares:

Sr.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
Total of GA3								

Note: Contractor shall indicate the annual percentage that will be applicable for increase or decrease of the unit cost of each item/spare listed in Pricing Document Appendix GA1 to GA6 for procurement by Employer for a period of up to five years after the date of issue of the Performance Certificate for Contract RS (3R).

Appendix GA4

Consumable Spares for 14 Metro Trains of 6-car (DTC+MC+MC+MC+MC+DTC) for a period up to expiry of Defect Liability Period:-

Sr.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
Total of GA4								

Appendix GA5

Special Tools, Jig, Fixtures, Gauges, Testing and Diagnostic Equipment:-

Sr.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
Total of GA5								

Note: Contractor shall indicate the annual percentage that will be applicable for increase or decrease of the unit cost of each item/spare listed in Pricing Document Appendix GA1 to GA6 for procurement by Employer for a period of up to five years after the date of issue of the Performance Certificate for Contract RS (3R).

Appendix GA6

Overhauling Spares for five (5) complete Metro trains of 6-car:-

Sr.	Description	Unit*	Qty	Unit Cost		Total Cost		% Increase / Decrease (see Note below)
				F.C	L.C (INR)	F.C	L.C (INR)	
Total of GA6								

Total of GA1 to GA 6

--	--

Note: Contractor shall indicate the annual percentage that will be applicable for increase or decrease of the unit cost of each item/spare listed in Pricing Document Appendix GA1 to GA6 for procurement by Employer for a period of up to five years after the date of issue of the Performance Certificate for Contract RS (3R).

Appendix G (DLP)**List of Spares (minimum) that will be stocked by the Contractor during DLP:-**

Sr.	Description	Unit*	Qty	Unit Cost		Total Cost	
				F.C	L.C (INR)	F.C	L.C (INR)

**KOLKATA METRO RAIL CORPORATION LIMITED
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PRICING DOCUMENT

APPENDIX H

LIST OF SPARES: CONFIRMATION STATEMENT

APPENDIX H

LIST OF SPARES: CONFIRMATION STATEMENT

1. We hereby confirm that we shall submit a schedule of spare parts duly indicating, for each item of spares, its description and number of units required for the system during the expected life and during the first ten years, principal source of supply, part number, drawing number, lead time, shelf life and the secondary source of supply within 100 weeks of Commencement date and the submission of these details shall be considered as a pre-requisite for accomplishment of Key Date as described in the relevant clause of the Employer's Requirement-Technical Specifications.
2. It is certified that Appendix G annexed in Technical Package is a "TRUE COPY" (with prices masked) of said Appendix G in the financial package.

SIGNATURE OF TENDERER

**KOLKATA METRO RAIL CORPORATION LIMITED
KOLKATA METRO RAIL PROJECT**

**DESIGN, MANUFACTURE, SUPPLY, TESTING,
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PRICING DOCUMENT

APPENDIX I

PRICING OF UNQUALIFIED WITHDRAWAL

APPENDIX I

PRICING OF UNQUALIFIED WITHDRAWAL PRICING OF UNQUALIFIED WITHDRAWAL OF CONDITIONS, QUALIFICATIONS, DEVIATIONS ETC. SUBMITTED WITH FORM OF TENDER: APPENDIX FT-6.

Sr. No.	Details of Condition, Qualification, Deviation etc.	<u>Key Date</u> affected by each condition, qualification, deviation etc.	<u>Prices For Unqualified Withdrawal</u> (Refer to Note 4) Increase or Decrease for unqualified withdrawal of each condition, qualification, deviation etc.			
			Foreign Currency A	Foreign Currency B	Foreign Currency C	Indian Rupees
1						
2						
3						
4						
.						
.						
.						
.						

Notes:

1. The Serial Number (Sr. No.) and detail of Condition, Qualification, Deviation etc., of this Appendix I is to be cross referenced to the (Sr. No.) that is provided for in **FOT: Appendix FT-6**.
2. The Tenderer must indicate the Key Dates and Prices for unqualified withdrawal, which will be affected by each remark, comment, condition, qualification or deviation, etc. that has been specified in Appendix FT-6.
3. In case the Price for unqualified withdrawal of any remark, comment, condition, qualification or deviation etc. is not priced in this Appendix I it shall be considered that the remark, comment, condition, qualification or deviation is unconditionally withdrawn without any financial implication as indicated in **FOT: Appendix FT-6**.
4. It is certified that 'Appendix I' annexed in Technical Package is a "TRUE COPY" (with prices masked) of said 'Appendix I' in the Financial Package. In the TRUE COPY to be submitted in the Technical Package, the Tenderer should clearly indicate "Priced" or "Not Priced" while masking the prices.

SIGNATURE OF TENDERER