

Annexure - A

Addendum (Contractual) - 3
Battery Powered Electric Loco (Tender No. BPEL/DSM/08)

Addendum Reference	Volume No.	Clause No.	Original Text	Modified Text
1	1	ITT Cl. C6.1	The prices quoted by the Tenderer shall be all-inclusive price including applicable taxes & duties, insurance cost, freight charges etc in Indian Rupees (INR) or in freely tradable foreign currencies (including Customs Duty, Countervailing Duty etc). Maximum number of currencies of payment shall not be more than two including local currency.	(a) For Indigenous items: The prices quoted by the Tenderer shall be all-inclusive price including State Goods & Service Tax (SGST), Central Goods and Service Tax (CGST), Integrated Goods & Service Tax (IGST) (as applicable) Insurance cost, Royalties, Freight charges, cess and other levies payable to various authorities in Indian Rupees (INR). [Please refer to "Annexure A" of Appendix FT-2 of Form of tender]. (b) For Imported items: The prices quoted by the Tenderer shall be all-inclusive price including Basic Custom Duties, Integrated Goods & Service Tax (IGST) Insurance cost, Royalties, Freight charges and other levies payable to various authorities in freely tradable foreign currencies. [Please refer to "Annexure B" of Appendix FT-2 of Form of tender] Maximum number of currencies of payment shall not be more than two including local currency.
2	1	Annexure A of Appendix FT-2 of FOT	Statement of Prices for Indigenous supply Please see attachment 1	Statement of Prices for Indigenous supply. Please see attachment 2
3	1	Annexure A of Appendix FT-2 of FOT	Statement of Prices for Indigenous supply, Please see attachment 3	Statement of Prices for Indigenous supply. Please see attachment 4
4	1	Appendix FT-3 to FOT S.No.7(a)	Is the Net Worth of the bidder (to be obtained from Balance Sheets) in the last three financial years, as considered in the bidder's country of origin, "POSITIVE"?	Is the Net Worth of the bidder (to be obtained from Audited Balance Sheets) in last two financial years, as considered in the bidder's country of origin, "POSITIVE"?
5	1	Appendix FT-3 to FOT S.No.7(b)	(b) Is the Liquidity, i.e. (Current Assets + Loan & Advances) – (Current Liability + Provisions), of the bidder more than INR 80,00,000/-?	Is the Liquidity, i.e. (Current Assets + Loan & Advances) – (Current Liability + Provisions), of the bidder more than INR 54,00,000/-?

Addendum Reference	Volume No.	Clause No.	Original Text	Modified Text
6	1	Appendix FT-3 to FOT S.No.8	Has the bidder supplied and commissioned a minimum of 7 sets of Battery Powered Electric Loco of similar specifications in last five years ending on 31st December 2016?	Has the bidder supplied and commissioned a minimum of 1 No. of Battery Powered Electric Loco (BPEL) of similar specifications in the last five years ending on 31st December 2016, in a country other than the Country of origin of the Manufacturer, which is in operation with satisfactory performance for a minimum period of 2 years after the commissioning as on the date of opening of tender? (A recent Performance Certificate from such clients certifying satisfactory operation of the BPEL for the minimum period specified above must be attached with the offer as a proof / evidence).
7	1	Appendix FT-3 to FOT S.No.9	Out of 7 sets of Battery Powered Electric Loco, which the bidder must have supplied & commissioned in last five years ending 31st December 2016, are at least 5 sets of Battery Powered Electric Loco in operation outside the country of origin in last five years ending on 31st December 2016? (The tenderer shall submit the complete information as per Form of Tender Appendix FT-3 Annexure-2.)	DELETED
8	1	Appendix FT-3 to FOT S.No.10	Out of the supplied Battery Powered Electric Loco by the bidder in the last five years i.e., ending on 31st December 2016, are at least 3 sets of Battery Powered Electric Loco in operation with satisfactory performance for a minimum period of 2 years after commissioning as on the date of opening of tender and supported by a recent performance certificate from clients? (The tenderer shall attach the certificate from the clients for satisfactory operation of the plant/equipment. The certificate should not be older than 6 months on the date of opening of tender.)	DELETED

Addendum Reference	Volume No.	Clause No.	Original Text	Modified Text
9	1	Appendix FT-3 to FOT S.No.11	Out of these 3 sets of Battery Powered Electric Loco that should be in operation with satisfactory performance for a minimum period of 2 years after commissioning, whether at least 1 set of Battery Powered Electric Loco is in operation outside the country of origin as on the date of opening of tender and supported by a recent performance certificates from clients, not older than 8 months on the date of opening of tender?.	DELETED

Annexure - B

**REPLY TOTECNICAL QUERIES OF PROSPECTIVE BIDDERS
Battery Powered Electric Loco (Tender No. BPEL/DSM/08)**

[Ref: Pre-Tender meeting held on 25.07.2017]

SI.No.	Volume No.	Clause No.	Original Text	Bidder's Queries	KMRC/GC Response	Addendum required	Addendum Reference
1	Vol.3	3.2.5	<p>The BPEL shall have the following indications at Operator's desk:</p> <ul style="list-style-type: none"> Speedometer Meter for the indication of the load Emergency Switch / Push Button Indication for parking brake Indication for battery condition Indication for mode of operation (Rail / Road) Indication for low thickness of service brake shoes Indication for low hydraulic oil, if applicable 	<ul style="list-style-type: none"> Meter for the indication of the load Load Sensing Devices can not be installed on the coupler of the BPEL and not desirable for Shunting Operation. This will be a small shunter and features of bigger Shunters can not be incorporated due to impracticalities. Hence we request you to delete this requirement. 	<p>Indication of load means current drawn from battery. For clarity the clause is modified.</p>	Yes	1
2	Vol.3	3.3 (a)	<p>The maximum operating speed of the BPEL shall be 25 km/h while travelling on rail or road. It shall be designed for giving safe running behavior of the vehicle on specified track at the 'Test Speed' which shall be higher by 10% than the maximum operating speed.</p>	<p>Battery Powered Shunters are designed for lower speeds for operations for optimizing power resources. Considering this, please allow / consider maximum speed as 15 km/h. Please Confirm.</p>	<p>Agreed. Tender clause will be modified accordingly.</p>	Yes	2
3	Vol.3	3.3 (b)	<p>The BPEL shall be designed to start and haul a trailing load of 240 tonnes (6-car empty metro train) on dry tracks with a maximum track gradient of 4% with 120 m minimum radius of curvature on main line, including turnouts and crossings. While starting the aforesaid trailing load of 240 tonnes on a section having track gradient of 4% with 120 m radius of curvature on main line the BPEL shall provide adequate acceleration to achieve a speed of 5 km/h within 20 seconds.</p>	<p>Considering track having 4% Up Gradient and 120R Curvature, the maximum speed with 240 t trailing load is 2 km/h and time to reach this speed is approximately 20 seconds.</p>	<p>Agreed. Tender clause will be modified accordingly</p>	Yes	3
4	Vol.3	3.3 (c)	<p>The BPEL shall be able to generate adequate draw bar pull so as to reach a balancing speed of 25 km/h while hauling a 6-car train of 240 tonnes on a section having level tangent track. It shall be possible to control the speed from 0 to 25 km/h by the operator.</p>	<p>As explained above, please consider Maximum speed without load is 15 km/h and maximum speed with 240 t is 7 km/h. Please Confirm.</p>	<p>Agreed. Tender clause will be modified accordingly.</p>	Yes	4
5	Vol.3	3.3 (d)	<p>The travel speed shall be continuously variable from 0 to 5 km/h while towing a 6-car train of 240 tonnes on track having maximum of 1 % gradient with a curve radius of 100 m.</p>	<p>The travel speed shall be continuously variable from 0 to 3 km/h while towing a 6-car train of 240 tonnes on track having maximum of 1 % gradient with a curve radius of 100 m. Please Confirm.</p>	<p>Agreed. Tender clause will be modified accordingly.</p>	Yes	5

SI.No.	Volume No.	Clause No.	Original Text	Bidder's Queries	KMRC/GC Response	Addendum required	Addendum Reference
6	Vol.3	3.3(e)	Under unloaded conditions, the travel speed shall be continuously variable from 0 to 25 km/h while running on tracks and shall be continuously variable from 0 to 25 km/s while running on roads.	As explained above at Sl. No.2. maximum 15km/h speed. Please confirm this.	Agreed. Tender clause will be modified accordingly.	Yes	6
7	Vol.3	3.7 (a)	The BPEL shall have a battery capacity for approximately 60 kms travelling on rail under unloaded condition and at least 30 kms travelling on rail under fully loaded condition (hauling a trailing load of 240 tonnes) on level tangent track at a speed ranging from 0 to 25 km/h on single charging.	Maximum 7 km/h about 30 km hauling 240 t; maximum 15 km/h about 60 kms without load. Please accept this.	Agreed. Tender clause will be modified accordingly.	Yes	7
8	Vol.3	3.8.5	Diesel fuel tank size shall be 50 litre or more.	Please consider Diesel fuel tank size is 45 litres or more. Please accept this.	Accepted. Tender clause will be modified accordingly.	Yes	0.8
9	Vol.3	3.8.6 (c)	The engine shall give audio-visual alarms to the operator in the cab in the event of any of the following. The engine shall be automatically shut down if necessary for of safety. <ul style="list-style-type: none"> • engine over-speed • low engine lubrication oil pressure • high cooling water temperature • high transmission oil temperature • air filter clogging 	The engine gives indication to the operator in the cab only about the fuel level. Generator has its own control panel with many gauges and indicators. Please accept this	Not accepted. No change in Tender document.	No	Nil
10	Vol.3	3.8.6 (e)	The dash board shall be fitted with an engine hour meter and an odometer in a position where can be easily checked by the operator	Generator has its own control panel with many gauges and indicators; odometer not available about diesel engine. All of them are easy access and check. Please accept this.	Deletion of Odometer is accepted. Tender clause may be modified accordingly.	Yes	9

Annexure - C

**Addendum (Technical) - 3
Battery Powered Electric Loco (Tender No. BPEL/DSM/08)**

Addendum Reference	Volume No.	Clause No.	Original Text	Modified Text
1	Vol.3	3.2.5	<p>The BPEL shall have the following indications at Operator's desk:</p> <ul style="list-style-type: none"> • Speedometer • Meter for the indication of the load • Emergency Switch / Push Button • Indication for parking brake • Indication for battery condition • Indication for mode of operation (Rail / Road) • Indication for low thickness of service brake shoes • Indication for low hydraulic oil, if applicable 	<p>The BPEL shall have the following indications at Operator's desk:</p> <ul style="list-style-type: none"> • Speedometer • Meter for the indication of Battery Voltage and current • Emergency Switch / Push Button • Indication for parking brake • Indication for mode of operation (Rail / Road) • Indication for low thickness of service brake shoes • Indication for low hydraulic oil, if applicable
2	Vol.3	3.3 (a)	<p>The maximum operating speed of the BPEL shall be 25 km/h while travelling on rail or road. It shall be designed for giving safe running behavior of the vehicle on specified track at the 'Test Speed' which shall be higher by 10% than the maximum operating speed.</p>	<p>The maximum operating speed of the BPEL shall be 15 km/h while travelling on rail or road. It shall be designed for giving safe running behavior of the vehicle on specified track at the 'Test Speed' which shall be higher by 10% than the maximum operating speed.</p>
3	Vol.3	3.3(b)	<p>The BPEL shall be designed to start and haul a trailing load of 240 tonnes (6-car empty metro train) on dry tracks with a maximum track gradient of 4% with 120 m minimum radius of curvature on main line, including turnouts and crossings. While starting the aforesaid trailing load of 240 tonnes on a section having track gradient of 4% with 120 m radius of curvature on main line the BPEL shall provide adequate acceleration to achieve a speed of 5 km/h within 20 seconds</p>	<p>The BPEL shall be designed to start and haul a trailing load of 240 tonnes (6-car empty metro train) on dry tracks with a maximum track gradient of 4% with 120 m minimum radius of curvature on main line, including turnouts and crossings. While starting the aforesaid trailing load of 240 tonnes on a section having track gradient of 4% with 120 m radius of curvature on main line the BPEL shall provide adequate acceleration to achieve a speed of 2 km/h within 20 seconds</p>
4	Vol.3	3.3(c)	<p>The BPEL shall be able to generate adequate draw bar pull so as to reach a balancing speed of 25 km/h while hauling a 6-car train of 240 tonnes on a section having level tangent track. It shall be possible to control the speed from 0 to 25 km/h by the operator.</p>	<p>The BPEL shall be able to generate adequate draw bar pull so as to reach a balancing speed of 7 km/h while hauling a 6-car train of 240 tonnes on a section having level tangent track. It shall be possible to control the speed from 0 to 7 km/h by the operator.</p>
5	Vol.3	3.3(d)	<p>The travel speed shall be continuously variable from 0 to 5 km/h while towing a 6-car train of 240 tonnes on track having maximum of 1 % gradient with a curve radius of 100 m.</p>	<p>The travel speed shall be continuously variable from 0 to 3 km/h while towing a 6-car train of 240 tonnes on track having maximum of 1 % gradient with a curve radius of 100 m.</p>

Addendum Reference	Volume No.	Clause No.	Original Text	Modified Text
6	Vol.3	3.3(e)	Under unloaded conditions, the travel speed shall be continuously variable from 0 to 25 km/h while running on tracks and shall be continuously variable from 0 to 25 km/s while running on roads.	Under unloaded conditions, the travel speed shall be continuously variable from 0 to 15 km/h while running on tracks and shall be continuously variable from 0 to 15 km/s while running on roads.
7	Vol.3	3.7 (a)	The BPEL shall have a battery capacity for approximately 60 kms travelling on rail under unloaded condition and at least 30 kms travelling on rail under fully loaded condition (hauling a trailing load of 240 tonnes) on level tangent track at a speed ranging from 0 to 25 km/h on single charging.	The BPEL shall have a battery capacity for approximately 60 kms travelling on rail under unloaded condition at a speed ranging from 0 to 15 km/h and at least 30 kms travelling on rail under fully loaded condition (hauling a trailing load of 240 tonnes) on level tangent track at a speed ranging from 0 to 7 km/h on single charging.
8	Vol.3	3.8.5	Diesel fuel tank size shall be 50 litre or more.	Diesel fuel tank size shall be 45 litre or more.
9	Vol.3	3.8.6 (e)	The dash board shall be fitted with an engine hour meter and an odometer in a position where can be easily checked by the operator.	The Generator Control Panel shall be fitted with an engine hour meter in such a position where it can be easily checked by the operator.

Appendix FT-2 to FORM OF TENDER

STATEMENT OF PRICES FOR INDIGENOUS SUPPLY

A. SUPPLY PART										
Srl. No.	Item-Description	Qty.	Ex-Works-Base-Rate/Unit	ED-as-applicable	GST/VAT/W.B-VAT (applicable tax may be ticked)	Insurance-charges	Freight-Charges	FOR Final-Destination-Rate/Unit incl. of all	Total Price (in-figure)	Total Price (in-words)
A-1	Supply of Battery Powered Electric Locoas per Particular Specifications	2 sets								
B. SERVICES & WORKS PART										
Srl. No.	Item-Description	Qty.	Rate	Applicable Taxes and Duties if any	Service Tax	Rate incl. of all	Total Price (in-figure)	Total Price (in-words)		
B-1	Installation, Testing & Commissioning including Integrated Testing and Commissioning	Lump-sum			Exempted					
B-2	O&M documentation and training to Employer's Staff	Lump-sum			Exempted					
B-3	Comprehensive Annual Maintenance for five years after DLP	Lump-sum			Exempted					

1 Above items are required strictly as per detailed Scope of Work as stated in Particular Specifications Clause 1.3.

2 The above prices shall be FOR destination basis at Kolkata Metro site at CPD.

3 Evaluation of offers will be made on FOR destination price including of all applicable taxes & duties and Insurance Coverage Costs. All prices are to be quoted in INR

4 This being a Supply Contract, Tax Deduction at Source (Income Tax) and Service Tax for Item Srl. Nos. A.1 and B.1 to B.3 are not applicable in India.

5 The Tenderer shall attach a separate sheet with this Annexure showing detailed break up of Taxes & Duties and Insurance Coverage Costs against each of Items (Srl. No.) above, as applicable.

6 The Employer requires the Tenderer to quote for the price of Comprehensive Annual Maintenance Contract as per the terms and conditions of Clause 10 of Particular Specification. Tender will not be considered as valid if the price for CAMC is not offered.

7 The cost of spares required for maintenance during CAMC period after completion of DLP will be deemed to be inclusive in the prices for CAMC indicated against Srl. No. B.3. Nothing extra will be paid for such spares.

8 Payment for CAMC will be made on quarterly basis on completion of maintenance obligations by the Contractor.

Signature of Tenderer

**APPENDIX FT-2 TO FORM OF TENDER
STATEMENT OF PRICES FOR INDIGENOUS SUPPLY**

A. SUPPLY PART																					
Srl. No.	Item Description	Qty.	HSN /SAC Code under GST	Ex. Works Basic Rate / Unit	SGST		CGST		IGST (in case of Inter State Services)		Insurance Charges		Freight Charges		Any other Tax / Levy / Cess		Total amount of all Taxes/Levies /Cess etc.		Total Price		
					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	(in figure)	(in words)	
A.1	Supply of Battery Powered Electric Loco as per Particular Specifications	2 sets																			
B. SERVICES INCIDENTAL TO THE SUPPLY																					
Srl. No.	Item Description	Qty.	SAC Code under GST	Insurance Charges	IGST (in case of Inter State Services)		Freight Charges		Any other Tax / Levy/ Cess		Total amount of all Taxes/Levies /Cess etc.		Total Price								
					Rate %	Amount	Rate %	Amount	Rate %	Amount	(in figure)	(in words)									
B.1	Installation, Testing & Commissioning including Integrated Testing and Commissioning	Lump sum																			
B.2	O&M documentation and training to Employer's Staff	Lump sum																			
B.3	Comprehensive Annual Maintenance for five years after DLP	Lump sum																			

1 Above items are required strictly as per detailed Scope of Work as stated in Particular Specifications Clause 1.3.

2 The above prices shall be FOR destination basis at Kolkata Metro site at CPD

3 Evaluation of offers will be made on FOR destination price including of all applicable taxes & duties, cess, freight charges and Insurance Coverage Costs. All prices are to be quoted in INR. All Taxes / GST rates shall be as prevailing on 28 days before closing date for submission of Tender.

(a) For Sl.No.A1: It is a supply contract, so Tax Deduction at Source (Income Tax) is not applicable, however, GST as applicable will be imposed.

(b) For Sl. No. B1 to B3: It is a Services contract relating to above, statutory deductions are applicable, however, GST as applicable will be imposed.

5 The Tenderer shall attach a separate sheet with this Annexure showing detailed break up of Taxes, Duties, Insurance Coverage Costs and any other Tax / Levy / Cess against each of items (Srl. No.) above, as applicable.

6 The Employer requires the Tenderer to quote for the price of Comprehensive Annual Maintenance Contract as per the terms and conditions of Clause 10 of Particular Specification. Tender will not be considered as valid if the price for CAMC is not offered.

7 The cost of spares required for maintenance during CAMC period after completion of DLP will be deemed to be inclusive in the prices for CAMC indicated against Srl. No. B.3.

8 Payment for CAMC will be made on quarterly basis on completion of maintenance obligations by the Contractor.

Signature of Tenderer

Appendix FT-2 to FORM OF TENDER

STATEMENT OF PRICES FOR SUPPLY FROM ABROAD

A. SUPPLY PART										
Srl. No.	Item-Description	Qty.	Currency	Rate/Unit (FOB at Port of Despatch)	Total FOB cost	Freight & Insurance	Total DDP Price	Rate/Unit-incl. of all	Total Price (in-figure)	Total Price (in-words)
A.1	Supply of Battery Powered Electric Loco as per Particular Specifications	2 sets								
B. SERVICES INCIDENTAL TO THE SUPPLY										
Srl. No.	Item-Description	Qty.	Currency	Rate	Applicable Taxes and Duties if any	Service Tax	Rate-incl. of all	Total Price (in-figure)	Total Price (in-words)	
B.1	Installation, Testing & Commissioning including Integrated Testing and Commissioning	Lump sum				Exempted				
B.2	O&M documentation and training to Employer's Staff	Lump sum				Exempted				
B.3	Comprehensive Annual Maintenance for five years after DLP	Lump sum				Exempted				

1. Above items are required strictly as per specifications given in Particular specifications.

2. The Rate/Unit to be filled in "Supply Part" above should be on DDP Shipment basis up to destination i.e. Central Park Depot, Kolkata.

3. Evaluation of offers will be made on Total Price including of all applicable taxes & duties and Insurance Coverage Costs.

4. This being a Supply Contract, Tax Deduction at Source (Income Tax) and Service Tax for Item Srl. Nos. A.1 and B.1 to B.3 are not applicable in India.

5. The Tenderer shall attach a separate sheet with this Annexure showing detailed break up of Taxes & Duties and Insurance Coverage Costs against each of Items (Srl. No.) above, as applicable.

6. The Employer requires the Tenderer to quote for the price of Comprehensive Annual Maintenance Contract as per the terms and conditions of Clause 10 of Particular Specification. Tender will not be considered as valid if the price for CAMC is not offered.

7. The cost of spares required for maintenance during CAMC period after completion of DLP will be deemed to be inclusive in the prices for CAMC indicated in Srl. No. B.3. Nothing extra will be paid for such spares.

8. Payment for CAMC will be made on quarterly basis on completion of maintenance obligations by the Contractor in INR only.

Signature of Tenderer

APPENDIX FT-2 TO FORM OF TENDER
STATEMENT OF PRICES FOR SUPPLY FROM ABROAD

A SUPPLY PART													Taxes, Cess etc.						
Srl. No.	Item Description	Qty.	Currency	HSN Code under GST	Ex. Works Basic Rate / Unit	Basic Custom Duty		IGST		Insurance		Freight Charges		Any other Tax/Levy/Cess		Total amount of all Taxes/Levies/Cess etc.	Total DDP Price per set	Total Price (in words)	
						Rate %	Amount	Rate %	Amount	Rate %	Amount	Rate %	Amount	Rate %	Amount				
A.1	Supply of Battery Powered Electric Loco as per Particular Specifications	1 No.																	
B SERVICES INCIDENTAL TO THE SUPPLY													Taxes, Cess etc.						
Srl. No.	Item Description	Qty.	Currency	SAC Code under GST	Insurance		IGST		Any other Tax/Levy/Cess		Total amount of all Taxes/Levies/Cess etc.		Total Price (in figure)	Total Price (in words)					
					Rate %	Amount	Rate %	Amount	Rate %	Amount	Rate %	Amount							
B.1	Installation, Testing & Commissioning including Integrated Testing and Commissioning	Lump sum																	
B.2	O&M documentation and training to Employer's Staff	Lump sum																	
B.3	Comprehensive Annual Maintenance for five years after DLP	Lump sum																	

NOTE:-

- Above items are required strictly as per specifications given in Particular specifications.
- The Rate/Unit to be filled in "Supply Part" above should be on DDP Shipment basis up to destination i.e. Central Park Depot, Kolkata.
- Evaluation of offers will be made on Total Price including of all applicable taxes & duties and Insurance Coverage Costs. All Taxes / GST rates shall be as prevailing on 28 days before closing date for submission of Tender

4. (a) For Sl.No.A1: It is a Supply contract, so Tax Deduction at Source (Income Tax) is not applicable, however GST as applicable will be imposed.
(b) For Sl. No. B1 to B3: It is a Services contract relating to above, Statutory deductions are applicable, however GST as applicable will be imposed.
5. The Tenderer shall attach a separate sheet with this Annexure showing detailed break up of Taxes, Duties, Insurance Coverage Costs and any other Tax / Levy / Cess against each of Items (Srl. No.) above, as applicable.
6. The Employer requires the Tenderer to quote for the price of Comprehensive Annual Maintenance Contract as per the terms and conditions of Clause 10 of Particular Specification. Tender will not be considered as valid if the price for CAMC is not offered.
7. The cost of spares required for maintenance during CAMC period after completion of DLP will be deemed to be inclusive in the prices for CAMC indicated in Sri. No. B.3. Nothing extra will be paid for such spares.
8. Payment for CAMC will be made on quarterly basis on completion of maintenance obligations by the Contractor in INR only.

Signature of Tenderer