



CHENNAI METRO RAIL LIMITED
CHENNAI-600 107, INDIA
ADDENDUM NO-02

TENDER NO.: TM-01-2020

TENDER FOR

COMPREHENSIVE MAINTENANCE OF BALLASTLESS TRACK FOR ELEVATED, UNDERGROUND AND DEPOT SECTIONS IN CORRIDOR 1, 1 EXTENSION & 2.

S. No	As per original Tender Documents				Addendum/Amendments to the Tender document				
	Reference Page No.	Tender Clause	Description	Condition of contract					
1	Page 79 of 359.	Part-A-Scope of work-Table 2	Other Preventive Maintenance Schedules	No	Inspection Description (Mode/Type)	Prescribed Frequency	No	Inspection Description (Mode/Type)	Prescribed Frequency
				1.	Toe load measurement	Testing frequency and selection of sample is as per Appendix 3- Track maintenance manual-Part 1, Chapter 9-Track Renewal, Sub-clause 9.3.	1.	Toe load measurement	Testing frequency and selection of sample is as per Appendix 3- Track maintenance manual-Part 1, Chapter 9-Track Renewal, Sub-clause 9.3.
				2.	Ultrasonic Flaw Detection Testing of Rails(as per RDSO USFD testing manual with latest amendments/correction slips)	Frequency of testing of Rails is as per Appendix 3- Track maintenance manual-Part 1, Chapter 5, Sub-clause 5.9.1.2.	2.	Ultrasonic Flaw Detection Testing of Rails(as per RDSO USFD testing manual with latest amendments/correction slips)	Frequency of testing of Rails is as per Appendix 3- Track maintenance manual-Part 1, Chapter 5, Sub-clause 5.9.1.2.
				3.	Ultrasonic Flaw Detection Testing of Welds(as per RDSO USFD testing manual with latest amendments/correction slips)	Frequency of testing of welds as per Appendix 3- Track maintenance manual-Part 1, Chapter 5, Sub-clause 5.9.1.3.	3.	Ultrasonic Flaw Detection Testing of Welds(as per RDSO USFD testing manual with latest amendments/correction slips)	Frequency of testing of welds as per Appendix 3- Track maintenance manual-Part 1, Chapter 5, Sub-clause 5.9.1.3.
				4.	Anti-corrosive painting	Once in three years	4.	Greasing of sharp curves less than 500m radius.	As per need basis.
				5.	Greasing of sharp curves less than 500m radius.	As per need basis.			
2	Page 65 of 359.	Part A-Scope of work-Clause 1.1.1 Preventive Maintenance	Sub clause 1.1.1.7	The contractor has to ensure the filling of GARONEX R250 grease or any higher grade grease approved by CMRL for the automatic rail lubricators installed in all the corridors.			The contractor has to ensure the filling of grease in all automatic rail lubricators installed in the curves. The contractor has to plan manual greasing for the curves including check rails in need basis and where automatic rail lubricator not installed. Grease required for manual greasing to curves including check rails and grease filling to the automatic rail lubricators will be supplied by CMRL at free of cost. The contractor has to notify CMRL about grease availability in all automatic rail lubricators frequently.		

3	Page 67 of 359.	Part A-Scope of work-Clause 1.1.2 Corrective Maintenance	Sub clause 1.1.2.1		<p>Add below items under clause 1.1.2.1.</p> <p>m. Anti-Corrosive Rail Painting</p> <p>n. Renewal of check rails</p> <p>Delete following items under clause 1.1.2.1</p> <p>k. Repairing of surface defects such as wheel burns on Rails and Turnouts by approved modern methods.</p> <p>l) Reconditioning of CMS crossings</p>																												
4	Page 80 of 359.	Part A-Scope of work-Clause 3.2 Minimum List of Tools and Plants to be Made Available			<p>Delete the following items under clause. 3.2 Minimum List of Tools and Plants to be Made Available</p> <table border="1" data-bbox="1745 653 2763 884"> <thead> <tr> <th>S.No.:</th> <th>Description of item</th> <th>Unit</th> <th>Minimum Quantity</th> </tr> </thead> <tbody> <tr> <td>26</td> <td>AT Weld Portion 1080 HH grade, Dry mould (2 pcs) and Ignites</td> <td>Nos</td> <td>50</td> </tr> <tr> <td>27</td> <td>AT Weld Portion 880 grade, Dry mould (2 pcs) and Ignites</td> <td>Nos</td> <td>20</td> </tr> <tr> <td>35</td> <td>Oscillation monitoring system</td> <td>Nos</td> <td>1</td> </tr> </tbody> </table> <p>Add the following items. 3.2 Minimum List of Tools and Plants to be Made Available</p> <table border="1" data-bbox="1745 989 2763 1146"> <thead> <tr> <th>S.No.:</th> <th>Description of item</th> <th>Unit</th> <th>Minimum Quantity</th> </tr> </thead> <tbody> <tr> <td>38</td> <td>Pandrol E clip toe load measuring device</td> <td>Nos</td> <td>1</td> </tr> <tr> <td>39</td> <td>Flood lighting system</td> <td>Nos</td> <td>10</td> </tr> </tbody> </table>	S.No.:	Description of item	Unit	Minimum Quantity	26	AT Weld Portion 1080 HH grade, Dry mould (2 pcs) and Ignites	Nos	50	27	AT Weld Portion 880 grade, Dry mould (2 pcs) and Ignites	Nos	20	35	Oscillation monitoring system	Nos	1	S.No.:	Description of item	Unit	Minimum Quantity	38	Pandrol E clip toe load measuring device	Nos	1	39	Flood lighting system	Nos	10
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5	Page 60 of 359. Para I a	Annexure 14	Evaluation Criteria for Key Personnel-Lead Manager	<table border="1" data-bbox="807 1178 1439 1398"> <thead> <tr> <th>1.a Age</th> <th>1</th> </tr> </thead> <tbody> <tr> <td>Less than 55 years-100%</td> <td>1.00</td> </tr> <tr> <td>58-60 years-75%</td> <td>0.75</td> </tr> <tr> <td>60-65 years-50%</td> <td>0.50</td> </tr> <tr> <td>Above 65 years-0%</td> <td>0.00</td> </tr> </tbody> </table>	1.a Age	1	Less than 55 years-100%	1.00	58-60 years-75%	0.75	60-65 years-50%	0.50	Above 65 years-0%	0.00	<table border="1" data-bbox="1804 1167 2436 1377"> <thead> <tr> <th>1.a Age</th> <th>1</th> </tr> </thead> <tbody> <tr> <td>Less than 58 years-100%</td> <td>1.00</td> </tr> <tr> <td>58-60 years-75%</td> <td>0.75</td> </tr> <tr> <td>60-65 years-50%</td> <td>0.50</td> </tr> <tr> <td>Above 65 years-0%</td> <td>0.00</td> </tr> </tbody> </table>	1.a Age	1	Less than 58 years-100%	1.00	58-60 years-75%	0.75	60-65 years-50%	0.50	Above 65 years-0%	0.00								
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6	Page 15 of 359.	GCC 13	Labour laws, Provident Fund, ESI, etc.- Sub clause 13.3	<p>In the case of delay/default in payment of contribution under ESI Scheme and EPF Scheme, besides the recovery of the amounts due by the contractor towards their contribution, penal interest and / or damages as may be levied by the ESI or PF Authorities, a penalty of 20% of the above amount would also be levied and recovered from their security deposit. In the event of cessation of the contract due to any reason whatsoever, the security deposit shall be refunded only after due satisfaction as regards the above payments.</p>	<p>In the case of delay/default in payment of contribution under ESI Scheme and EPF Scheme, besides the recovery of the amounts due by the contractor towards their contribution, penal interest and / or damages as may be levied by the ESI or PF Authorities, a penalty will be imposed by CMRL as per the labour laws,PF and ESI rules violations and recovered from their security deposit. In the event of cessation of the contract due to any reason whatsoever, the security deposit shall be refunded only after due satisfaction as regards the above payments.</p>																												

7	Page 25 of 359.	GCC-36	Completion time guarantee, Sub-clause 36.2	<p>If the Contractor fails to attain Completion of the Maintenance of schedules or any extension thereof under GCC Clause 35, penalty shall be paid by the contractor to the Employer is as below.</p> <p>1. Foot Inspection – Rs.38000 (if not covering even single KM)</p> <p>1. Cab inspection – Rs.40000(Even if not covering single section)</p> <p>2. Curve inspection – Rs.13000 per curve</p> <p>3. Turnout Inspection – Rs. 6500 per turnout</p> <p>4. Buffer stop/Wheel stop inspection – Rs.4000 per Buffer/Wheel stop</p> <p>5. Turntable inspection – Rs.6100 per turntable.</p> <p>6. OMS inspection- Rs.11,000/- per run</p> <p>The above penalty will also be imposed on non-completion of schedule by any one of the personnel as per the schedule of inspection stated in this contract.</p>	<p>If the Contractor fails to attain Completion of the Maintenance of schedules or any extension thereof under GCC Clause 35, penalty shall be paid by the contractor to the Employer is as below.</p> <p>1. Foot Inspection – Rs.5000 (if not covering even single KM)</p> <p>1. Cab inspection – Rs.5000 (Even if not covering single section)</p> <p>2. Curve inspection – Rs.5000 per curve</p> <p>3. Turnout Inspection – Rs. 5000 per turnout</p> <p>4. Buffer stop/Wheel stop inspection – Rs.1000 per Buffer/Wheel stop</p> <p>5. Turntable inspection – Rs.1000 per turntable.</p> <p>6. OMS inspection- Rs.5000/- per run</p> <p>The above penalty will also be imposed on non-completion of schedule by any one of the personnel as per the schedule of inspection stated in this contract.</p>																
8	Page 33 of 359.	SCC-3	Maintenance Window, sub clause,3.2	<p>At any time CMRL has rights to reduce or increase the maintenance window in Mainline depending upon the operational requirements. The Contractor has to make necessary resources to complete all kind of maintenance works within the restricted time periods. The Contractor has to adhere strictly the time schedule and working beyond the time period will involve Penalty.</p>	<p>At any time CMRL has rights to reduce or increase the maintenance window in Mainline depending upon the operational requirements. The Contractor has to make necessary resources to complete all kind of maintenance works within the restricted time periods. The Contractor has to adhere strictly the time schedule.</p>																
9	Page 35 of 359.	SCC 7.	Penalties and Incentives	<table border="1"> <tr> <td>7.1</td> <td>Incentive of Rs. 2, 00, 000/- is applicable at every six months when the contractor maintains the cumulative performance score above 95% for six consecutive months.</td> </tr> <tr> <td>7.2</td> <td>If Cumulative performances score falling below 75% for three (3) consecutive months will be treated as non-performance. Non-performance for first time will be imposed with penalty of Rs.1; 00,000.Penalty for non-performance will be imposed on every quarter of annum.</td> </tr> <tr> <td>7.3</td> <td>Non-performance for second time will be imposed with a penalty of Rs.1, 50,000.</td> </tr> <tr> <td>7.4</td> <td>If the Non-performance persists for the third time, the contract will be terminated within four month from the date of issue of termination notice by CMRL.</td> </tr> </table>	7.1	Incentive of Rs. 2, 00, 000/- is applicable at every six months when the contractor maintains the cumulative performance score above 95% for six consecutive months.	7.2	If Cumulative performances score falling below 75% for three (3) consecutive months will be treated as non-performance. Non-performance for first time will be imposed with penalty of Rs.1; 00,000.Penalty for non-performance will be imposed on every quarter of annum.	7.3	Non-performance for second time will be imposed with a penalty of Rs.1, 50,000.	7.4	If the Non-performance persists for the third time, the contract will be terminated within four month from the date of issue of termination notice by CMRL.	<table border="1"> <tr> <td>7.1</td> <td>Incentive of Rs. 1, 00, 000/- is applicable at every six months when the contractor maintains the cumulative performance score above 95% for six consecutive months.</td> </tr> <tr> <td>7.2</td> <td>If Cumulative performances score falling below 75% for three (3) consecutive months will be treated as non-performance. Non-performance for first time will be imposed with penalty of Rs.50,000. Penalty for non-performance will be imposed on every quarter of annum.</td> </tr> <tr> <td>7.3</td> <td>Non-performance for second time will be imposed with a penalty of Rs.1,00,000/-.</td> </tr> <tr> <td>7.4</td> <td>If the Non-performance persists for the third time, A Notice for correction will be issued by CMRL-3 Months) then the contract will be terminated within 5three month from the date of issue of Notice of Correction by CMRL.</td> </tr> </table>	7.1	Incentive of Rs. 1, 00, 000/- is applicable at every six months when the contractor maintains the cumulative performance score above 95% for six consecutive months.	7.2	If Cumulative performances score falling below 75% for three (3) consecutive months will be treated as non-performance. Non-performance for first time will be imposed with penalty of Rs.50,000. Penalty for non-performance will be imposed on every quarter of annum.	7.3	Non-performance for second time will be imposed with a penalty of Rs.1,00,000/-.	7.4	If the Non-performance persists for the third time, A Notice for correction will be issued by CMRL-3 Months) then the contract will be terminated within 5three month from the date of issue of Notice of Correction by CMRL.
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10	Page 68 of 359.	Part A scope of work-1.1.2 Corrective Maintenance	Sub clause - 1.1.2.4	<p>The contractor shall plan to complete the respective corrective maintenance within the time limit stated in Appendix 3. Incase of no time limit specified for any of the corrective maintenance; they shall be completed within 15 days from the notice of defects/requirements. Delay in completion of corrective maintenance from 15 days to 18 days will be imposed with penalty of Rs.25, 000. Non-compliance after 18 days will be imposed with penalty of Rs.5000 per every day of delay in completion.</p>	<p>The contractor shall plan to complete the respective corrective maintenance within the time limit stated in Appendix 3. Incase of no time limit specified for any of the corrective maintenance; they shall be completed within 15 days from the notice of defects/requirements. Delay in completion of corrective maintenance from 15 days to 18 days will be imposed with penalty of Rs.5,000. Non-compliance after 18 days will be imposed with penalty of Rs.2000 per every day of delay in completion.</p>																
11	Page 82 of 359.	Part A scope of work-- 3.3.Employee Training and Competency of Maintenance Personnel:	Sub clause 3.3.10	<p>The inconvenience fee of re-training, to be incurred by the contractor for training as mentioned in above Sub-clause is as follows:</p> <ol style="list-style-type: none"> 1. Replacement training for a min 3 year experienced employee= INR 50,000 2. Replacement training for min 1 year experienced employee=INR 75,000 3. Replacement training for a less than 1 year employee = INR 1,00,000 	<p>The inconvenience fee of re-training, to be incurred by the contractor for training as mentioned in above Sub-clause is as follows:</p> <ol style="list-style-type: none"> 1. Replacement training for a min 3 year experienced employee= INR 5,000 2. Replacement training for min 1 year experienced employee=INR 10,000 3. Replacement training for a less than 1 year employee = INR 15,000 <p>In addition to the above warning letter will be issued by CMRL.</p>																

12	Page 85 of 359	Part A scope of work--3.11 Response to Emergency	Sub clause 3.11.4 and 3.11.5	3.11.4. Failure in reaching of site within specified time as stated above sub clause, the penalty of Rs.5000/- will be imposed for every 10 minutes delay. 3.11.5. Delay in attending Emergency for continuous three occasions will attract penalty of Rs.5, 00,000/-.	3.11.4. Deleted. 3.11.5.Delay in attending Emergency for continuous three occasions will attract penalty of Rs.50,000/-.
13	Page 86 of 359.	Part A scope of work- Penalty clauses in the contract document	Table	Penalty clauses in the contract document	Deleted
14	Page 20 of 359.	GCC 24- Performance security	Sub clause 24.2	Performance security will be Rs.30,00,000 (Indian Rupees Thirty lakhs only). Performance security may be furnished in the form of an account payee demand draft payable in Chennai from any Scheduled Bank in India, in favour of "Chennai Metro Rail Limited" or irrevocable bank guarantee in a prescribed format.	Performance security will be Rs.30,00,000 (Indian Rupees Thirty lakhs only). Performance security may be furnished in the form of an account payee demand draft payable in Chennai from Public sector Bank in India, in favour of "Chennai Metro Rail Limited" or irrevocable bank guarantee in a prescribed format.
15	Page 29 of 359.	GCC 48. Dispute resolution		<p>48.1 In the event of any dispute, controversy or claim of any kind or nature arising under or in connection with this agreement between the parties ("Disputers"), the parties shall firstly attempt to amicably resolve such disputes through the highest level of negotiations and discussions.</p> <p>48.2 In the event that disputes between the parties subsist beyond 30 days of negotiations between the parties, then the dispute shall be settled as per the provisions of Arbitration and Conciliation Amendment Act 2015. The dispute shall be referred to:</p> <p>A. Arbitration by a Sole Arbitrator and he shall be appointed by the Functional Director of CMRL. The CMRL Officer/Individual to be appointed as arbitrator however will not be one of those who had an opportunity to deal with the matters to which the contract relates or who in the course of their duties as CMRL servant have expressed views on all or any of the matters under dispute or difference.</p> <p>B. In the event of the arbitrator dying, neglecting or refusing to act or resigning or being unable to act for any reason, shall be lawful for the authority appointing the arbitrator to appoint another arbitrator in place of the outgoing arbitrator in the manner aforesaid.</p> <p>C. Subject as aforesaid, the Arbitration and Conciliation Act, 1996 and the rules there under and any statutory modifications thereof for the time being in force shall be deemed to apply to the arbitration proceedings under this clause.</p> <p>D. The venue of the arbitration shall be in Chennai.</p> <p>E. The cost on dispute resolution shall encountered equally by CMRL and the Contractor.</p> <p>F. In this clause the authority to appoint the arbitrator includes, if there be no such authority, the officer who is for the time being discharging the functions of that authority, whether in addition to other functions or otherwise.</p>	<p>48.Dispute Resolution: 48.1Negotiation and Amicable Settlement: In the event of any dispute in connection with or arising out of this Agreement between the parties ("Disputes"), the parties shall firstly attempt to amicably resolve such disputes through the highest level of negotiations and discussions.</p> <p>48.2Adjudication: 48.2.1 If any dispute between the parties is not resolved through negotiations and amicable settlement, either party shall give notice in writing to the other party of its intention to refer such dispute to Adjudication.</p> <p>48.2.2 The sole-member Adjudicator shall be nominated by the Managing Director, CMRL at his discretion. He may also be an officer of CMRL, not below the rank of General Manager, but one who has not dealt with the subject contract or disputed matter. The remuneration of the Adjudicator shall be fixed by the Managing Director, CMRL and shall be shared by both the parties. The Adjudicator shall reach a decision within 30 days or such period as agreed between the parties from the date of reference of the dispute.</p> <p>48.2.3 If either party is dissatisfied with the Adjudicator's decision, then the party, on or before 30 days on receipt of such decision, shall notify the other party of its dissatisfaction, and its intention to refer the dispute to Arbitration, failing which the decision of the Adjudicator shall be final.</p> <p>48.3 Arbitration: The dispute so referred shall be settled by Arbitration and the parties agree on the following procedure for appointing the Arbitrator:</p> <p>48.3.1The dispute shall be referred to a Sole-Member Arbitral Tribunal. Such Sole-Member shall be nominated by the party seeking arbitration from the List of Arbitrators, maintained by CMRL, consisting of independent persons to be nominated as Arbitrators, who shall meet with the requirements relating to the independence or impartiality of arbitrators referred to in the Fifth and Seventh schedules, read with Section 12, sub-sections (1) (a), (b) and (5) of the Arbitration and Conciliation Act, 1996 as amended by the Arbitration and Conciliation (Amendment) Act 2015.</p>

				<p>48.3 The award passed shall be final and binding and both parties waive the right to appeal or contest the arbitral award.</p> <p>48.4 It is further clarified that during the resolution of the disputes, the contractor shall be obligated for the continued performance of its obligations under the Agreement.</p>	<p>48.3.2 If the party seeking Arbitration is the Contractor, such proposal shall be addressed to CMRL and CMRL shall, within fifteen days from the date of receipt of such proposal, send the List of Arbitrators maintained by CMRL, referred in clause 48.3.1 above, to the Contractor. The Contractor shall nominate an arbitrator from the List within fifteen days from the date of receipt of the List from CMRL. If the party seeking Arbitration is CMRL, it shall forward such proposal to the Contractor along with the nomination of an Arbitrator from the List referred to in clause 48.3.1 above.</p> <p>48.3.3 If either party fails to nominate the arbitrator within the prescribed time limit, as mentioned above, then such other party, after the expiry of the prescribed time limit, has the right to nominate the Arbitrator from the said List on behalf of the party failing to nominate.</p> <p>48.4 The Parties agree that the selection and nomination of Arbitrator from the List should be based on the nature and subject matter of dispute to be adjudicated upon, that is, the nominated Arbitrator shall have sufficient knowledge and experience to decide upon the disputed matter.</p> <p>48.5 In the event of an arbitrator dying, neglecting or refusing to act or resigning or being unable to act for any reason, it shall be lawful to appoint another arbitrator in the manner aforesaid.</p> <p>48.6 Subject to the aforesaid, the Arbitration and Conciliation Act, 1996, as amended from time to time and the rules thereunder and any statutory modifications thereof for the time being in force shall be deemed to apply to the arbitration proceedings under this clause.</p> <p>48.7The venue of the arbitration shall be Chennai and the language of arbitration proceedings will be English only. The cost of Arbitration including the fees of the Arbitrator shall be borne equally by both the parties.</p> <p>48.8It is further clarified that during the resolution of the disputes, the Contractor shall be obligated for the continued performances of its obligations under the Agreement.</p> <p>48.9The provision of this clause shall not be frustrated, abrogated or become inoperative notwithstanding this tender/agreement expires or ceases to exist or is terminated or revoked or declared unlawful</p> <p>48.10Jurisdiction of Courts: The Courts at Chennai shall have exclusive jurisdiction in respect of all disputes between the parties arising out of this agreement.</p>
16	Page 350 of 359.	FINANCIAL BID (Packet – B)			Replace existing financial bid with Appendix-01 of Addendum-02.

FINANCIAL BID (Packet – B)

FINANCIAL BID (To be submitted by the Bidder or the Lead Member of the bidding JV/Consortium, on their Letter Head)

To

**The Director-Projects,
Chennai Metro Rail Limited,
Admin Building, CMRL Depot,
Poonamallee High Road,
(Adjacent to Koyambedu Metro Station),
Koyambedu, Chennai – 600 107.**

Sir,

SUB: TM-01-2020 - Comprehensive Maintenance of Ballastless Track for Elevated, Underground and Depot sections in Corridor 1, 1 Extension & 2– reg.

We, the undersigned, the offer to provide Maintenance Services as above in accordance with your Document and our Techno-Commercial Proposal.

I/We accept the terms and conditions mentioned in the Bid Document, which have been clearly understood by us.

I/We have duly signed on each page of the Bid Document.

I/We further certify that we are ready to provide Comprehensive Maintenance of Ballastless Track for Elevated, Underground and Depot sections in Corridor 1, 1 extension & 2.

Within the time frame given by the CMRL and as per the terms and conditions of the Bid Document and in the agreement to be executed between the parties.

CMRL reserves right to order any special type of work during contracts which are not covered under BOQ. I/We shall carryout special type of work with the rates agreeable to CMRL.

I/We understand that CMRL reserves the right to reject, accept or consider any offer without assigning any reason whatsoever. **And our annual quotes are as under:**

Item No.:1 PMS-Preventive Maintenance Services to be provided as per Part-A-Scope of work.

S.No.:	Description of item	Unit	Qty	Estimated Basic Rate including GST & other Taxes per Annum in Indian Rupees		Quoted Currency in INR / Other Currency	To be Entered by the Bidder				
				In Figures	In words		Basic Rate per annum		GST & other Taxes per annum in Percentage	Total Amount including GST & other Taxes per annum	
							In Figures	In words		In Figures	In words
1	Preventive Maintenance of Ballast less track for Elevated, Underground and Depot in Corridor 1, Corridor 1 Extension & Corridor 2 – approximately for a length of 128 TKM.	Per Annum	1	2,33,09,859	Two Crores Thirty Three Lakhs Nine Thousand Eight Hundred and Fifty Nine Only						

Item No.:2 CMS-Corrective Maintenance Services to be provided as per Part A-Scope of Work (operated only on need basis)

S.No.:	Description of item	Unit	Qty	Estimated Basic Rate including GST & other Taxes per Annum in Indian Rupees		To be Entered by the Bidder						
				In Figures	In words	Quoted Currency in INR / Other Currency	Basic Rate per annum		GST & other Taxes per annum in Percentage	Total Amount including GST & other Taxes per annum		
							In Figures	In words		In Figures	In words	
1	1a. Renewal of 18m rails with all men, materials, tools, machineries and consumables including lift and lead of materials/USFD tested rails upto the length of 15km and carryout Alumino Thermit welds by SKV method, local destressing, protecting of welds until USFD testing and carryout USFD testing, etc.. On completion of renewal removed rail shall be stored properly adjacent to track. (Rail, Welding Portions, dry mould and welder shall be provided by CMRL at free of cost).	Per Numbers	1	58300	Fifty Eight Thousand and Three Hundred Only							
	1b. Rate over and above on 1a leading of 18m rails for every addition of 5 KM for renewal of 18m rails.	Every 5km	1	11000	Eleven Thousand Only							

Item No.:2 CMS-Corrective Maintenance Services to be provided as per Part A-Scope of Work (operated only on need basis)

S.No.:	Description of item	Unit	Qty	Estimated Basic Rate including GST & other Taxes per Annum in Indian Rupees		To be Entered by the Bidder					
				In Figures	In words	Quoted Currency in INR / Other Currency	Basic Rate per annum		GST & other Taxes per annum in Percentage	Total Amount including GST & other Taxes per annum	
							In Figures	In words		In Figures	In words
2	2a. Renewal of welds with all men, materials, tools, machineries and consumables including lead and lift of materials and USFD tested rails(7m to 9m) up to the length of 15km and carryout Alumino Thermit welds by SKV method, local distressing, protecting of welds until USFD testing and carryout USFD testing,etc.,. Removed rail shall be stored properly adjacent to track. (Rail, Welding Portions, dry mould and welder shall be provided by CMRL at free of cost).	per location	1	44000	Forty Four Thousand Only						
	2b. Rate over and above on 2a. Leading of 7m to 9m rails for every addition of 5 KM on renewal Welds.	Every 5km	1	7700	Seven Thousand and Seven Hundred Only						
3	3a. Replacement of half set of switch portion with all men, materials, tools,	Per Numb	1	82500	Eighty Two Thousand						

Item No.:2 CMS-Corrective Maintenance Services to be provided as per Part A-Scope of Work (operated only on need basis)

S.No.:	Description of item	Unit	Qty	Estimated Basic Rate including GST & other Taxes per Annum in Indian Rupees		To be Entered by the Bidder					
						Quote d Currency in INR / Other Currency	Basic Rate per annum		GST & other Taxes per annum in Percentage	Total Amount including GST & other Taxes per annum	
				In Figures	In words		In Figures	In words		In Figures	In words
	machineries and consumables including lead and lift of materials and switch portion up to the length of 15km and carryout Alumino Thermit welds by SKV method, local destressing, protecting of welds until USFD testing and carryout USFD testing, etc.,. Removed switch shall be moved back to Koyambedu Depot. (Half set of Switch, Welding Portions, dry mould and welder shall be provided by CMRL at free of cost).	er			and Five Hundred Only						
	3b. Rate over and above on 3a. leading of half set of switch portion for every addition of 5 KM for replacement of switch portion.	Every 5km	1	11000	Eleven Thousand Only						

Item No.:2 CMS-Corrective Maintenance Services to be provided as per Part A-Scope of Work (operated only on need basis)

S.No.:	Description of item	Unit	Qty	Estimated Basic Rate including GST & other Taxes per Annum in Indian Rupees		To be Entered by the Bidder					
				In Figures	In words	Quote d Currency in INR / Other Currency	Basic Rate per annum		GST & other Taxes per annum in Percentage	Total Amount including GST & other Taxes per annum	
							In Figures	In words		In Figures	In words
4	4a. Replacement of crossing portion with all men, materials, tools, machineries and consumables including lead and lift of materials and crossing upto the length of 15km and carryout Alumino Thermit welds by SKV method, local destressing, protecting of welds until USFD testing and carryout USFD testing, etc., Removed crossing shall be moved back to Koyambedu Depot. (Crossing, Welding Portions, dry mould and welder shall be provided by CMRL at free of cost).	Per Number	1	137500	One Lakhs Thirty Seven Thousand and Five Hundred Only						
	4b.Rate over and above on 4a leading of crossing for every addition of 5 KM for replacement of switch portion.	Every 5km	1	11000	Eleven Thousand Only						

Item No.:2 CMS-Corrective Maintenance Services to be provided as per Part A-Scope of Work (operated only on need basis)

S.No.:	Description of item	Unit	Qty	Estimated Basic Rate including GST & other Taxes per Annum in Indian Rupees		To be Entered by the Bidder						
				In Figures	In words	Quoted Currency in INR / Other Currency	Basic Rate per annum		GST & other Taxes per annum in Percentage	Total Amount including GST & other Taxes per annum		
							In Figures	In words		In Figures	In words	
5	5a. Renewal of Insulated Rail Joint (IRJ) with all men, materials, tools, machineries and consumables including lead and lift of materials and IRJ upto the length of 15km and carryout Alumino Thermit welds by SKV method, local destressing, protecting of welds until USFD testing and carryout USFD testing, etc.. Removed IRJ shall be moved back to Koyambedu Depot. (IRJ, Welding Portions, dry mould and welder shall be provided by CMRL at free of cost).	Per IRJ	1	44000	Forty Four Thousand Only							
	5b. Rate over and above on 5a leading of crossing for every addition of 5 KM for replacement of switch portion.	Every 5km	1	7700	Seven Thousand and Seven Hundred Only							

Item No.:2 CMS-Corrective Maintenance Services to be provided as per Part A-Scope of Work (operated only on need basis)

S.No.:	Description of item	Unit	Qty	Estimated Basic Rate including GST & other Taxes per Annum in Indian Rupees		To be Entered by the Bidder					
				In Figures	In words	Quoted Currency in INR / Other Currency	Basic Rate per annum		GST & other Taxes per annum in Percentage	Total Amount including GST & other Taxes per annum	
							In Figures	In words		In Figures	In words
6	6a. Renewal of full buffer stop assembly with all men, materials, tools, machineries and consumables including lead and lift of materials upto the length of 15km, etc.,.Damaged bufferstops with fittings to be returned back to Koyambedu Depot.(full buffer stop assembly shall be provided by CMRL at free of cost).	Per Number	1	90200	Ninety Thousand and Two Hundred only						
	6b.Rate over and above on 6a leading of buffer stops for every addition of 5 KM for replacement of switch portion.	Every 5km	1	11000	Eleven Thousand Only						
7	Renewal of full wheel stop assembly with all men, materials, tools, machineries and consumables including lead and lift, etc.,. Damaged wheelstop with fittings to be returned back to Koyambedu Depot.(full wheel stop	Per Number	1	1210	One Thousand Two Hundred and Ten Only						

Item No.:2 CMS-Corrective Maintenance Services to be provided as per Part A-Scope of Work (operated only on need basis)

S.No.:	Description of item	Unit	Qty	Estimated Basic Rate including GST & other Taxes per Annum in Indian Rupees		To be Entered by the Bidder						
						Quote d Currency in INR / Other Currency	Basic Rate per annum		GST & other Taxes per annum in Percentage	Total Amount including GST & other Taxes per annum		
				In Figures	In words		In Figures	In words		In Figures	In words	
	assembly shall be provided by CMRL at free of cost).											
8	Provision of signs and markers including all materials, man powers, preparing/marketing of sign boards, drilling and fixing , etc.,											
	8a.Provision of Boards for Turnout /Fouling Point/ /speed restriction /chainage/Hectometre, etc.	Per Board	1	2530	Two Thousand Five Hundred and Thirty Only							
	8b.Curve Marking	Per Curve	1	6325	Six Thousand Three Hundred and Twenty Five Only							

Item No.:2 CMS-Corrective Maintenance Services to be provided as per Part A-Scope of Work (operated only on need basis)

S.No.:	Description of item	Unit	Qty	Estimated Basic Rate including GST & other Taxes per Annum in Indian Rupees		To be Entered by the Bidder						
				In Figures	In words	Quoted Currency in INR / Other Currency	Basic Rate per annum		GST & other Taxes per annum in Percentage	Total Amount including GST & other Taxes per annum		
							In Figures	In words		In Figures	In words	
	8c. Turnout marking	Per Turnout	1	6325	Six Thousand Three Hundred and Twenty Five Only							
9	Repairing of Plinth/slab with derailment guard by GP2 including all men, materials, tools and consumables, etc.,	Per meter	1	5500	Five Thousand and Five Hundred only							
10	10a.Renewal of Baseplate/special Baseplate with Baseplate Pads with all men and materials and lead and lift including local distressing and repositioning of track. (Baseplate/special Baseplate and Baseplate pad shall be provided by CMRL at free of cost)	Per Number	1	22000	Twenty Two Thousand Only							

Item No.:2 CMS-Corrective Maintenance Services to be provided as per Part A-Scope of Work (operated only on need basis)

S.No.:	Description of item	Unit	Qty	Estimated Basic Rate including GST & other Taxes per Annum in Indian Rupees		To be Entered by the Bidder					
				In Figures	In words	Quote d Currency in INR / Other Currency	Basic Rate per annum		GST & other Taxes per annum in Percentage	Total Amount including GST & other Taxes per annum	
							In Figures	In words		In Figures	In words
	10b.Rate over and above on 10a on renewal of extra base plates up to 5 Nos in the same location.	Per location	1	5500	Five Thousand and Five Hundred only						
11	11a. Renewal of check rail chairs with all men and materials and lead and lift including local distressing and repositioning of track, etc.,(check rail chairs shall be provided by CMRL at free of cost)	Per Number	1	27500	Twenty Seven Thousand and Five Hundred Only						
	11b.Rate over and above on 11a on renewal of extra check rail chairs up to 5 Nos in the same location.	Per location	1	5500	Five Thousand and Five Hundred only						
12	Anti-Corrosive Rail painting with 2 coats(each coat with 100microns) of Anti corrosive Bitumen Black paint	Track meter	1	250	Two Hundred and Fifty Only						

Item No.:2 CMS-Corrective Maintenance Services to be provided as per Part A-Scope of Work (operated only on need basis)

S.No.:	Description of item	Unit	Qty	Estimated Basic Rate including GST & other Taxes per Annum in Indian Rupees		To be Entered by the Bidder					
						Quote d Currency in INR / Other Currency	Basic Rate per annum		GST & other Taxes per annum in Percentage	Total Amount including GST & other Taxes per annum	
				In Figures	In words		In Figures	In words		In Figures	In words
	confirming to IS 9862-1981 including all materials, man powers, lead and lift, etc..										
13	13a. Renewal of 18m check rail including drilling of holes in check rails, men, materials, tools and consumables, lead and lift up to the distance of 15km, etc.,. Removed check rails to be transported back to Koyambedu Depot. Check rail will be supplied by CMRL at free of cost.	Per Number	1	44000	Forty Four Thousand only						
	13b. Rate over and above on 13a leading of 18m check rails for every addition of 5 KM for renewal of 18m check rails.	Every 5km	1	11000	Eleven Thousand only						
14	Total			6,53,540	Six Lakhs Fifty Three Thousand Five Hundred and Forty only						

3.Cumulative Items

S.No.:	Description of item	Estimated Basic Rate including GST & other Taxes per Annum in Indian Rupees		Total Amount including GST & other Taxes per annum	
		In Figures	In words	In Figures	In words
1	Item No.:1 PMS-Preventive Maintenance Services	2,33,09,859	Two Crores Thirty Three Lakhs Nine Thousand Eight Hundred and Fifty Nine Only		
2	Item No.:2 CMS-Corrective Maintenance Services (operated only on need basis)	6,53,540	Six Lakhs Fifty Three Thousand Five Hundred and Forty only		
3	**Gross Amount (S.No.1+S.No.2)	2,39,63,399	Two Crores Thirty Nine Lakhs Sixty Three Thousand Three Hundred and Ninety Nine Only		

Note:

- a) ** This includes all cost to the contractor including insurance, import duty, procurement of all kind of man powers, materials, Equipment's, tools, machineries, consumables, etc required to perform as per the scope of the contract.
- b) The Value with GST & other Taxes in Gross Amount will be considered for evaluation of financial Bid.
- c) Price Bid shall be binding upon us subject to the modifications resulting from negotiations, up to expiry of the validity period of the Bid Document.
- d) Items under Corrective maintenance shall be operated only on requirement basis.
- e) **Values are to be filled in above tables only and upload PDF file with sign and seal. No values are to be filled in excel "BOQ.xls" file.**

Yours sincerely,

Signature of Authorized Signatory:

Name and Title of Signatory:

Name of Firm:

Address

Schedules

1.1 **General Requirements:**

- 1.1.1 The Bidder's attention is drawn to the Instructions to Bidder, General Conditions of Contract, Special Conditions of Contract, Scope of works with all annexure and addendums, which are to be read in conjunction with the Bill of Quantities.
- 1.1.2 All columns in the Bill of Quantities – Summary – shall be filled in indelible ink or type written and the total tender amount shown in the bottom. The person authorized to sign on behalf of the Bidder shall sign in full at bottom of all pages and at the end of schedule.
- 1.1.3 This Contract is a re-measurement Contract for comprehensive maintenance of track in Depot, Elevated and Underground section including and not limited to Part-A scope of work, preventive and corrective maintenance stated in this contract document.

1.2 **Bidder Prices:**

- 1.2.1 The Bidder's attention is drawn to the following facts while quoting the prices for the Contract:
- 1.2.2 The bidder shall be able to execute any unscheduled work such as repairing of fully damaged track plinth/slabs/turnout slab with derailment guard, scupper drains and fastening system which may arise due to any unusual occurrences and repairing of cracks, loose anchor bolts, defect with exposed reinforced plinth/slab with derailment guards, damaged edges, repair of drilled holes, surface defects of rails, reconditioning of CMS crossings, etc. as per Part A- Scope of work Appendix-3.
- 1.2.3 The amount quoted for each item in the Bill of Quantities shall be inclusive of all taxes, levies, duties and any other charges leviable, including tax deducted at sources.
- 1.2.4 The Bidder should note that CMRL will not make any separate payment towards any taxes, duties levies or any other charge leviable.
- 1.2.5 The amounts to be tendered in the Bill of Quantities are for comprehensive maintenance of track system for 128TKM. It will be deemed to have included all maintenance plan, execution plan, renewal plan, tools, machinery, labour, supervision, material, fuel, oil, consumables, water, transportation, all leads and lifts, all temporary works and false works, fencing, lighting, erection maintenance, inspection facilities, safety measures at work sites/storage yard, etc., establishment and overhead charges, staff accommodation, insurance costs for labour and works, contractor's profit, all taxes, royalties, duties, cess, octroi, VAT and other levies and other charges together with all general risks, liabilities and obligations set out or implied in the contract.

1.3 Fixed Price Escalation

The Fixed Price Escalation @5% for the second year, 10% for the third year, 15% for the fourth year, 20% for the fifth year to the base rate is permitted.

1.4 Rates and Sums to be for Work Complete

1.4.1 Bidder's shall be deemed to have read the scope of work and other parts of the Tender Documents to ascertain the full scope of the requirements included in each item prior to filling in the rates and prices. The entered rates and prices shall be deemed to include for the full scope of the Contract, including overheads and profits and shall bear a proper relationship to the cost of carrying out the work described.

1.4.2 The Bidder shall be deemed to have taken full account of all requirements, liabilities, obligations and risks, whether expressed or implied, and to have priced the items accordingly. The Items in the Bill of Quantities are the only items against which payment will be made. The rates and sums shall therefore include for all incidental and contingent expenses and risks of every kind necessary to complete entire maintenance and attention.

1.5 Non-priced Items

1.5.1 Items against which no rate or sum is entered by the Bidder, whether quantities are stated or not, shall be regarded as covered by other rates in the Bills of Quantities.

1.6 Measurement and Payment

1.6.1 This Contract is primarily a re-measure contract with items that are described herein. For the re-measure items the total price to be paid for a work item will be as per quantities actually performed as per the master annual plan. In case of any spillage in the maintenance plan executed by the contractor and approved by CMRL during execution of contract, penalty for each and every spilled quantity of the schedules shall be imposed.

1.6.2 Majority of the works related to comprehensive maintenance of track structure is covered under preventive maintenance. The contractor shall quote the bid price for the preventive maintenance in annual basis considering all schedules of inspections and other set of activities required to reduce of failures in track structure. From the annual quote, monthly bill value shall be arrived and payment shall be released only on completion of all schedule of inspections/attention falling under the billing month and other testings, activities to be carried out as per the requirement of Part-A-Scope of work-Preventive maintenance and submission of document requested under GCC for payment.

1.6.3 Corrective maintenance shall be operated only in occasional basis. The bidder is requested to offer the unit rate for corrective maintenance to be carried out as per requirement of Part-A-Scope of work-Corrective maintenance and Appendix 3. The contractor has no rights to claim on non-operating the corrective maintenances.

1.6.4 CMRL has rights to offer any kind of special works not covered under BOQ. The contractor shall carryout the work with rates agreeable to CMRL.

1.6.5 The evaluation of Price bid is inclusive of price for preventive and corrective maintenances.

- 1.6.6 The contractor shall submit a maximum of one bill per calendar month.
- 1.6.7 The measurement and payment described is for the purpose of making a valuation of the work acceptable to the CMRL, and Interim Payments to the Contractor, as work proceeds. The works as executed will be measured for assessment of progress for interim payments in accordance with the method adopted in the Specification, schedule of payment and under the items as set forth notwithstanding any custom to the contrary.
- 1.6.8 Notwithstanding anything stated herein the CMRL retains the right to withhold payment on any item due for payment when the works / services to be performed are not performed, or is not carried out to the CMRL's satisfaction in accordance with the Specifications and schedules.