

**Tender: CMRL-RSP-001-2024 - Addendum 01**

S. No.	Section No.	Clause No.	Original Bid Condition	Revised Bid Condition
1	3. INSTRUCTIONS TO TENDERERS	Clause 1.5, Page 4	Contractors are expected to carry out extensive site visit for Tender proposed locations and analysis at their own cost, before submitting their respective Bids. CMRL shall provide necessary permission for such site visits based on reasonable prior request in writing.	<b>Bidders</b> are expected to carry out extensive site visit for Tender proposed locations and analysis at their own cost, before submitting their respective Bids. CMRL shall provide necessary permission for such site visits based on reasonable prior request in writing.
2	3. INSTRUCTIONS TO TENDERERS	Clause 7.1, Page 10	Average annual financial turnover for any 3 financial years out of last 5 years should be atleast INR 5,00,00,00,000 (INR Five Crore Only)	Average annual financial turnover for any 3 financial years out of last 5 years should be atleast <b>INR 5,00,00,000</b> (INR Five Crore Only)
3	3. INSTRUCTIONS TO TENDERERS	Clause 7.2, Page 10	<b>Similar Work means:</b> Works on design, manufacture, supply, installation, testing and commissioning of public address and passenger information system in Metro rolling stock (or) Metro Stations (or) Regional rolling stock (like RapidX), with LCD or LED based displays along with control system and interface with train/stations.	Similar Work means: "Works on design, manufacture, supply, installation, testing and commissioning of public address and passenger information system in Metro rolling stock (or) Metro Stations (or) Regional rolling stock (like RapidX), with LCD or LED based displays along with control system and interface with train/stations" <b>or</b> "Works on design, manufacture, supply, installation, testing and commissioning of Rolling Stock having public address and passenger information system in Metro Railway (or) Regional Railway (like RapidX), with LCD or LED based displays along with control system and interface with train."
4	3. INSTRUCTIONS TO TENDERERS	Clause 7.2, Page 11	New Note No. 4 added	<b>4. "Similar Works" carried out and completed for a single fleet of rolling stock or set of stations within the same metro network, then the aggregate sum of such works can be considered as a "Single Work".</b>
5	4. TECHNICAL SPECIFICATION	New Clause 4.5		<b>The scope of work also includes the design, supply, installation of controllers/control units/servers/any hardware equipments etc., required for the implementation of the solution of DRMD system.</b>
6	4. TECHNICAL SPECIFICATION	New Clause 4.6		<b>The quoted price shall cover all activities specified within the Scope of Work and any other requirements detailed in this tender. Bidders are expected to thoroughly review and comprehend the entirety of the tender document to ensure that their pricing adequately covers all necessary tasks and obligations.</b>
7	4. TECHNICAL SPECIFICATION	Clause 6.5, Page 26	Each DRMD Display Module including wiring and any fitment enclosures shall not exceed the weight of 10 kg while mounting on the existing FRP door panel of the train.	Each DRMD Display Module including wiring and any fitment enclosures shall not exceed the weight of 10 kg <b>(+/- 2 kg)</b> while mounting on the existing FRP door panel of the train.
8	4. TECHNICAL SPECIFICATION	Clause 6.6, Page 26	The proposed system shall identify all the modes of the train operation, including train Vacuum Circuit Breaker (VCB) open condition.	The proposed system shall <b>operate</b> in all the modes of the train operation, including train Vacuum Circuit Breaker (VCB) open condition.
9	4. TECHNICAL SPECIFICATION	Clause 6.22, Page 27	The display shall have a minimum level of protection against solid objects, water, and dust, in accordance with the requirements of IEC 60529.	The display shall have a <b>IP 54</b> protection against solid objects, water, and dust, in accordance with the requirements of IEC 60529.
10	4. TECHNICAL SPECIFICATION	Clause 6.21, Page 27	The materials and components used in the display shall comply with the fire safety requirements of EN 45545, including flame spread, heat release, smoke generation, and toxicity. Compliance details shall be part of design submission.	The materials and components used in the display shall comply with the fire safety requirements of EN 45545 <b>HL3 compliant</b> , including flame spread, heat release, smoke generation, and toxicity. Compliance details shall be part of design submission.
11	4. TECHNICAL SPECIFICATION	Clause 6.25, Page 27	All 16 displays in a train shall be integrated to display the passenger information in sync. The System shall allow download of data related to events, faults, and logs to the system's operation, including any errors or malfunctions, hardware and software failures that occur during use. Necessary provision for downloading the data including requirement of HMI, downloading port, etc. shall be designed and installed by the Contractor. The design document submission shall cover the compliance to this requirement in detail. The same shall be demonstrated during the prototype validation. Necessary training shall also be provided to CMRL personnel to use this feature effectively.	All 16 displays in a train shall be integrated to display the passenger information in sync. The System shall allow download of data related to events, faults, and logs to the system's operation, including any errors or malfunctions, hardware and software failures that occur during use. <b>Each car shall be provided with necessary provision for downloading the data, uploading the software, including provision of ports, etc. Each car shall be installed with one port for this purpose. The Contractor shall submit the design details of the above requirement for review and approval of CMRL. Necessary training shall also be provided to CMRL personnel to use this feature effectively.</b>
12	4. TECHNICAL SPECIFICATION	Clause 6.30, Page 28	The DRMD system shall have a provision for upload of software to the system. The system shall allow the CMRL personnel to upload the software from a single location in a car, which will then be automatically propagated to all the DRMs. The system shall have a secure and reliable method for uploading the software. Necessary provision for uploading the data including requirement of HMI, uploading port, etc. shall be designed and installed by the Contractor.	The DRMD system shall have a provision for upload of software to the system. The system shall allow the CMRL personnel to upload the software from a single location in a car, which will then be automatically propagated to all the DRMs <b>available in that car</b> . The system shall have a secure and reliable method for uploading the software.
13	4. TECHNICAL SPECIFICATION	Clause 7.8 e., Page 30	The DRMD system shall be customizable, allowing the CMRL to add or remove information and customize the display as per the requirements. Customisations shall include, but not limited to:  a. Addition/deletion/modification of station b. Addition/deletion/modification of route (Different start and destination stations) c. Modification of station names d. Modification of text messages e. Addition/deletion/modification of new/existing any GIFs, images, videos with respect to passenger announcement. f. Addition/deletion/ modification of any pre-defined/emergency/ special messages. g. Addition/modification/deletion of lines.	The DRMD system shall be customizable, allowing the CMRL to add or remove information and customize the display as per the requirements. Customisations shall include, but not limited to:  a. Addition/deletion/modification of station b. Addition/deletion/modification of route (Different start and destination stations) c. Modification of station names d. Modification of text messages e. Addition/deletion/modification of new/existing any GIFs, images, videos with respect to passenger announcement. f. Addition/ deletion/ modification of any pre-defined messages/ <b>advertisements</b> emergency/special messages. g. Addition/modification/deletion of lines.
14	4. TECHNICAL SPECIFICATION	New clause 7.10	New clause 7.10 added	<b>The DRMD system shall have the provision for displaying the advertisements. The successful bidder shall submit the proposal for CMRL review and approval during the design phase of approval. Addition/deletion/modifying the advertisements shall be possible. Any software tools necessary for conducting these modifications should be provided to CMRL and the contractor shall train the CMRL staff without any additional cost.</b>

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15	4. TECHNICAL SPECIFICATION	Clause 8.8, Page 31	The Contractor shall provide the CMRL full access to the source code of the display system software. The source code shall be handed over to CMRL one month prior to the end of Defect Liability Period. It shall be in a readable and editable format, written in a recognized programming language. It should be well-documented and easily understood by software developers.	Deleted
16	4. TECHNICAL SPECIFICATION	Clause 8.9, Page 31	CMRL shall have the right to modify, enhance, and maintain the source code to meet specific requirements and optimize system performance. Ongoing support and updates for the source code should be provided by the successful bidder.	Deleted
17	4. TECHNICAL SPECIFICATION	Clause 8.10, Page 31	The successful bidder shall also supply necessary tools and guidelines for compiling and deploying modified source code onto the display system.	Deleted
18	4. TECHNICAL SPECIFICATION	New clause 13.9	New clause 13.9 added	<b>Training for the CMRL's staff (50 trainer-hours) shall be arranged and will be conducted at the site of CMRL premises in train/depot/mainline. Training shall include classroom as well as on-the-job training. The training syllabus shall be jointly decided between the Contractor and the CMRL.</b>
19	5. APPENDIX TO TECHNICAL SPECIFICATION	APPENDIX ATT-TS-01, Page 40	Single Stretch display of minimum 28 inch to maximum 36- inch diagonal shall be accommodated in the available space of DRM slot. Remaining space shall be concealed evenly in both sides.	Single Stretch display of minimum of <b>48 inch</b> diagonal shall be accommodated in the available space of DRM slot. Remaining space, <b>if any</b> , shall be concealed evenly in both sides.
20	6. GENERAL CONDITIONS OF CONTRACT	Clause 9.6, Page 49	Unless otherwise specifically provided elsewhere in the Contract, the variation of -30% to +50% shall be applicable to the scope of Works defined.	Unless otherwise specifically provided elsewhere in the Contract, the variation of <b>+ / - 30%</b> shall be applicable to the scope of Works defined.
21	6. GENERAL CONDITIONS OF CONTRACT	Clause 23.1, Page 57	Within 21 days from the date of issue of Letter of Acceptance, it shall be obligatory for the Contractor to obtain at his own cost and submit necessary proofs or evidence such premium invoice or other official correspondence towards to CMRL, the following insurance covers: (a) Commercial General Liability Insurance (b) Professional Indemnity Insurance (c) Workmen Compensation Insurance	Within <b>30 days</b> from the date of issue of Letter of Acceptance, it shall be obligatory for the Contractor to obtain at his own cost and submit necessary proofs or evidence such premium invoice or other official correspondence towards to CMRL, the following insurance covers: (a) Commercial General Liability Insurance (b) Professional Indemnity Insurance (c) Workmen Compensation Insurance "
22	7. APPENDIX TO GENERAL CONDITIONS OF CONTRACT	Clause 7.1, Page 71		The "7. APPENDIX TO GENERAL CONDITIONS OF CONTRACT, 7.1 List of key dates" is modified and attached as <b>ATT-1</b> .
23	8. Bidding Forms	Annexure- BF-05, BANKER'S GUARANTEE FOR EMD, Page 85	New clause added at the end of the BG form	The below clause is added in the end of the BG Format.  <b>Notwithstanding anything contained herein:</b> <b>1. Our liability under this bank guarantee shall not exceed_____.</b> <b>2. This bank guarantee shall be valid up to _____(expiry date).</b> <b>3. We are liable to pay the guaranteed amount or any part under this bank guarantee only and only if you serve upon us a written claim or demand on or before _____(claim expiry date of guarantee).</b>
24	8. Bidding Forms	ANNEXURE-BF-13, Page 95	UNDERTAKING FOR MINIMUM LOCAL CONTENT	The Bidding Forms, ANNEXURE-BF-13 is modified and attached as <b>ATT-2</b> .
25	9. CONTRACT FORMS - Annexure-CF-02 Contract Agreement	2. h) - Page 103	Contract Agreement The following documents shall be deemed to form and be read and construed as part of this Agreement. The priority of the documents shall be as follows, viz: a) The Contract Agreement, along with schedules, b) The Letter of Acceptance (LoA) vide [insert letter no and date ]. Acceptance of Letter of Acceptance (LOA) by [Insert Contractor name, letter no and date]. c) Letter of Technical Bid and Letter of Price Bid submitted by [insert contractor name]. d) [insert addendums issued] e) The General Conditions and its Annexures f) Technical Specifications and its Annexures g) Pricing Document & Financial Bid	<b>Contract Agreement</b> The following documents shall be deemed to form and be read and construed as part of this Agreement. The priority of the documents shall be as follows, viz: a) The Contract Agreement, along with schedules, b) The Letter of Acceptance (LoA) vide [insert letter no and date ]. Acceptance of Letter of Acceptance (LOA) by [Insert Contractor name, letter no and date]. c) Letter of Technical Bid and Letter of Price Bid submitted by [insert contractor name]. d) [insert addendums issued] <b>e) Responses to Prebid queries</b> f) The General Conditions and its Annexures g) Technical Specifications and its Annexures h) Pricing Document & Financial Bid
26	4. TECHNICAL SPECIFICATION	10.3, Page 31	Bidder is free to propose any suitable network for operation of all the requirements of this tender. However, this new network shall not disturb the functionalities or performance of the existing equipment/network in trains.	<b>Bidder shall propose any suitable network, preferably ethernet or any other alternate, for operation of the DRMD system and all other requirements of this tender.</b> However, this new network shall not disturb the functionalities or performance of the existing equipment/network in trains.
27	e- BoQ			<b>Revised and uploaded in CPP portal.</b>

**Tender CMRL-RSP-001-2024**

**Design, Supply, Installation, Testing and  
Commissioning of LED backlit LCD based  
Dynamic Route Map  
Display (DRMD) system in 52 trains of CMRL  
Phase-1**

**ATT-1 to Addendum\_01**

**APPENDIX TO GENERAL CONDITIONS OF CONTRACT**

## 1.1 List of Key Dates

Key Date	Stage No.	Activity	Duration	Time for completion (from Commencement Date)	Apportioned amount for stage/milestone payment	Liquidated damages
KD 1	STAGE 1	Design approval phase	08 weeks	CD+08 weeks	15% of the total Contract Price, after completion of KD 1 (i.e. all three stages)	NA
	STAGE 2	Demonstration phase – Demonstration of Prototype in one train	<b>20 weeks</b>	<b>CD+28 weeks</b>		
	STAGE 3	Monitoring Phase	02 Weeks	<b>CD+30 Weeks</b>		
KD 2	STAGE 4	Implementation phase in First Set of 10 trainsets	10 Weeks	<b>CD+40 Weeks</b>	15% of total Contact price, after completion of KD 2	Rs. 20,000 per day
KD 3		Implementation phase in Second Set of 10 train--sets	10 Weeks	<b>CD+50 Weeks</b>	15% of total Contact price, after completion of KD 3	Rs. 20,000 per day
KD 4		Implementation phase in Third Set of 10 trainsets	08 Weeks	<b>CD+58 Weeks</b>	15% of total Contact price, after completion of KD 4	Rs. 20,000 per day
KD 5		Implementation phase in Forth Set of 10 trainsets	08 Weeks	<b>CD+66 Weeks</b>	15% of Total Contact value, After completion of KD 5	Rs. 20,000 per day
KD 6		Implementation phase in Fifth Set of 11 trainsets	08 Weeks	<b>CD+74 Weeks</b>	15% of total Contact price, after completion of KD 6	Rs. 20,000 per day
KD7		-	Supply of Spares	-	12 months before the end of DRMD system DLP	5% of total Contact price, after completion of KD 7
-	STAGE 5	Defect Liability Phase	24 months with respect to the last train of the fleet.	24 months from the Completion of implementation & acceptance of CMRL on the last train.	5% of total Contact price, after completion of Stage 5	NA



Note:

1. Completion of each Key Date shall be intimated in writing to CMRL with proper documentation. Completion of Key Date is to be approved by CMRL.
2. Total Contract Price includes taxes, duties, and any other charges, etc. related to the DRMD contract.
3. Above table shall be considered by the bidders while quoting the total Contract Price during the tender submission. Prices shall be filled in Price bid only. The values shall not be filled in Techno-commercial bid. If Prices are mentioned in technical bid, the bid shall be summarily rejected.

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**ATT-2 to Addendum\_01**

**ANNEXURE-BF-13****UNDERTAKING FOR MINIMUM LOCAL CONTENT**

We hereby jointly and severally certify in accordance with clause '9.a' of the Order no. P-45021/2/2017-PP (BE-II) of Ministry of Commerce and Industry, Department of Promotion of Industry and Internal Trade (DPIIT) {formerly Department of Industrial Policy and Promotion (DIPP)}, Government of India dated 16.09.2020 that the item(s) offered meets the minimum local content of 50%. The details including name of vendor, location and percentage of local content will be provided within 15 days of issue of LoA.

We acknowledge that false declaration by the tenderer regarding local value addition including payments to be made to their vendors for local value addition shall be treated as a fraudulent practice under this tender for which the tenderer or its successor can be debarred for a period up to three years along with such other actions as may be permissible under the law.

In case of procurement for a value in excess of Rs. 10 crores, we also undertake to submit a certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practising cost accountant or practising chartered accountant (in respect of suppliers other than companies) giving the percentage of local content, in accordance with clause '9.b' of the Order no. P-45021/2/2017-PP (BE-II) of Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade (DPIIT) {formerly Department of Industrial Policy and Promotion (DIPP)}, Government of India dated 16.09.2020, after completion of works to the Engineer.

The bidder is permitted to submit the certificate within 30 days of Bid submission.

**STAMP & SIGNATURE OF AUTHORISED SIGNATORY**