

**Corrigendum No. 2 (Dated --20.03.2023)**

**Request for Qualification (RFQ)**

**for**

**Selection of Entity for Design, Manufacturing, Supply, Commissioning, Operation and Maintenance of Rolling Stock on PPP Model for BSRP**

The following are the modification/amendment to the Request for Qualification (RFQ) for Selection of Entity for Design, Manufacturing, Supply, Commissioning, Operation and Maintenance of Rolling Stock on PPP Model for BSRP.

1	<ul style="list-style-type: none"><li>• Clause 2.2.2 (A)</li><li>• Financial Capacity</li></ul>	<p><b><u>REPLACE:</u></b></p> <p>The Applicant/ Members of a Consortium shall, for a period of 4 (four) years from the completion of the Supply Period <b>or successful completion of Defects Liability Period, whichever is earlier</b>, shall collectively hold 100% (Hundred per cent) of the subscribed and paid-up equity share capital of the Lessor/SPV at all times.</p> <p><b><u>WITH:</u></b></p> <p>The Applicant/ Members of a Consortium shall, for a period of 4 (four) years from the completion of the Supply Period shall collectively hold 100% (Hundred per cent) of the subscribed and paid up equity share capital of the Lessor/SPV at all times.</p>
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<p>2</p>	<ul style="list-style-type: none"> <li>• Clause 2.2.2 (B)</li> <li>• Technical Capacity</li> <li>• (vi) and (vii)</li> </ul>	<p><b><u>REPLACE:</u></b></p> <p>(vi) must have cumulative experience of minimum 10 (ten) years in the design and manufacturing of the propulsion equipment (traction converter-inverter, auxiliary converter/inverter and traction motor Rolling Stock (“Propulsion Equipment”))</p> <p>(vii) Propulsion Equipment supplied must have been in satisfactory revenue operation for at least 5 (five) years in minimum 500 Eligible Cars comprising of both powered and non-powered Eligible Cars, supplied against cumulatively minimum five different contracts in the Metros MRT, LRT, Sub-urban Railways or high speed railways of least one country other than the country of manufacture or in India.</p> <p><b><u>WITH:</u></b></p> <p>(vi) must have cumulative experience of minimum 10 (ten) years in the design and manufacturing of the propulsion equipment (traction converter-inverter, auxiliary converter/inverter and traction motor Rolling Stock (“Propulsion Equipment”))</p> <p>(vii) Propulsion Equipment supplied must have been in satisfactory revenue operation for at least 5 (five) years in minimum 500 Eligible Cars, <b>Electric locomotives</b> comprising of both powered and non-powered Eligible Cars, supplied against cumulatively minimum five different contracts in the Metros MRT, LRT, Sub-urban Railways, <b>Electric locomotives</b> or high speed railways of least one country other than the country of manufacture or in India.</p> <p><b>Foot note:</b>  <b>The Criteria mentioned in SN (vi) and (Vii) above shall apply only to the manufacturer of the Propulsion Equipment.</b></p>
<p>3</p>	<ul style="list-style-type: none"> <li>• Clause 2.2.4</li> <li>• \$</li> <li>• Footnote</li> </ul>	<p><b><u>REPLACE:</u></b></p> <p>In case duly certified audited annual financial statements containing the requisite details are provided, a separate certification by statutory auditors would not be necessary in respect of Clause 2.2.4. In jurisdictions that do not have statutory auditors, the firm of auditors which audits the annual accounts of the Applicant, or its Associate may provide the certificates required under this RFQ.</p> <p><b><u>WITH:</u></b></p> <p>In case duly certified audited annual financial statements containing the requisite details (<b>Net Worth/ACI as per RFQ</b>) are provided, a separate certification by statutory auditors would not be necessary in respect of Clause 2.2.4. In jurisdictions that do not have statutory auditors, the firm of auditors which audits the annual accounts of the Applicant, or its Associate may provide the certificates required under this RFQ.</p>

4	<ul style="list-style-type: none"> <li>• Clause 2.2.9</li> </ul>	<p><b><u>REPLACE:</u></b></p> <p>In computing the Net Worth or ACI of the Applicant/ Consortium Members under Clauses 2.2.2, 2.2.4, the Net Worth or ACI of their respective Associates would also be eligible hereunder. In case the Associate of an Alternative Investment Fund (AIF) or Foreign Investment Fund is not an Alternative Investment Fund (AIF) or Foreign Investment Fund, then such Bidder is eligible to claim the Financial Capacity of such Associate as set out in Clause 2.2.2 (A) (i).</p> <p><b><u>WITH:</u></b></p> <p>In computing the Net Worth or ACI of the Applicant/ Consortium Members under Clauses 2.2.2, 2.2.4, the Net Worth or ACI of their respective Associates would also be eligible hereunder. In case the Associate of an Alternative Investment Fund (AIF) or Foreign Investment Fund is not an Alternative Investment Fund (AIF) or Foreign Investment Fund, then such Bidder is eligible to claim the Financial Capacity of such Associate as set out in Clause 2.2.2 (A).</p>
5	<ul style="list-style-type: none"> <li>• Clause 1.1.3</li> </ul>	<p><b><u>REPLACE:</u></b></p> <p>The scope of Project shall broadly include design, procurement, testing, commissioning, financing, requisite approvals from government instrumentalities (RDSO etc.), leasing, and maintenance of Trains, provision of Train Operators, installation, operation &amp; maintenance of machinery &amp; plants at depots, in each case in accordance with the Agreement. The Trains procured by the Lessor and provided to the Authority shall meet the specifications and standards provided in the Agreement. Proposed design parameters of Cars is provided at Appendix-X.</p> <p><b><u>WITH:</u></b></p> <p>The scope of Project shall broadly include design, procurement/<b>Manufacture and supply</b>, testing, commissioning, financing, requisite approvals from government instrumentalities (RDSO etc.), leasing, and maintenance of Trains, provision of Train Operators, installation, operation &amp; maintenance of machinery &amp; plants at depots, in each case in accordance with the Agreement. The Trains procured by the Lessor and provided to the Authority shall meet the specifications and standards provided in the Agreement. Proposed design parameters of Cars is provided at Appendix-X.</p>

6	• 2.2.2 (B) (i)	<p><b><u>REPLACE:</u></b>                  Manufactured a minimum of 132 (one hundred and thirty-two) eligible cars (i.e., Metro, LRT, Suburban EMUs, Trains hereinafter defined as “<b>Eligible Cars</b>”) cumulatively during last 10 years preceding the Application Due Date.</p> <p><b><u>WITH:</u></b>                  Manufactured a minimum of 132 (one hundred and thirty-two) eligible cars (i.e., Metro, LRT, Suburban EMUs, Trains, Electric Locomotive hereinafter defined as “Eligible Cars”) cumulatively during last 10 years preceding the Application Due Date.</p>
7	• 2.2.2 (B) (ii) (b)	<p><b><u>REPLACE:</u></b>                  manufactured a minimum of 66 (sixty six) Eligible Cars comprising stainless steel/aluminium/corten steel/steel EMU/MEMU/metro cars in India;</p> <p><b><u>WITH:</u></b>                  manufactured a minimum of 66 (sixty six) Eligible Cars comprising stainless steel/aluminum/corten steel/steel EMU/MEMU/metro cars/<b>Electric locomotives</b> in India;</p>

8	<ul style="list-style-type: none"> <li>• 2.2.2(B) (vii)</li> </ul>	<p><b><u>REPLACE:</u></b>                      Propulsion Equipment supplied must have been in satisfactory revenue operation for at least 5 (five) years in minimum 500 Eligible Cars comprising of both powered and non-powered Eligible Cars, supplied against cumulatively minimum five different contracts in the Metros MRT, LRT, Sub-urban Railways or high speed railways of least one country other than the country of manufacture or in India.</p> <p><b><u>WITH:</u></b>                      Propulsion Equipment supplied must have been in satisfactory revenue operation for at least 5 (five) years in minimum 500 Eligible Cars comprising of both powered and non-powered Eligible Cars, supplied against cumulatively minimum five different contracts in the Metros MRT, LRT, Sub-urban Railways, <b>Electric Locomotives</b> or high-speed railways of least one country other than the country of manufacture or in India.</p>
9	<ul style="list-style-type: none"> <li>• Appendix-X(L)</li> </ul>	<p><b><u>REPLACE:</u></b>                      The power converter - inverter shall be a proven, four quadrant Revolution Intelligent Power Module (RIPM) based unit, with pulse width</p> <p><b><u>WITH:</u></b>                      The power converter - inverter shall be a proven (specifications will be provided in the RFP stage)</p>
10	<ul style="list-style-type: none"> <li>• Appendix-X(N)</li> </ul>	<p><b><u>REPLACE:</u></b>                      The auxiliary converter shall be Silicon Carbide switching Device based with microprocessor and pulse width modulation control.</p> <p><b><u>WITH:</u></b>                      The auxiliary converter shall be a proven (specifications will be provided in the RFP stage)</p>

11	Appendix XIV • Supply Schedule	<b><u>REPLACE</u></b>		
		<b>SUPPLY AND COMMISSIONING OF TRAINS</b>		
		<b>Key Date No.</b>	<b>Activities to be performed by the Lessor/K-RIDE</b>	<b>Key Dates (Weeks from Appointed Date)</b>
		<b>1</b>	<b>Complete design submission</b>	60
		<b>2</b>	<b>Handover of depot sites</b>	
		2.1	Handover of minor depot sites at whitefield and Heelalige	52
		2.2	Handover of major depot Sites at Devanahalli and Soladevanahalli	70
		<b>3</b>	<b>Deployment of staff and training of manpower</b>	
		3.1	Deployment of all staff and labour at maintenance depot	70
		3.2	Training of manpower for maintenance Depot & train operation	80
		<b>4</b>	Supply of Prototype of one train of 3 cars and one train of 6 Cars with associated S&T equipment at the depot site	90
		<b>5</b>	<b>Supply of 264 Cars (Excluding anticipated 10% maintenance reserve and 5% traffic reserve)</b>	
		5.1	10 numbers of Trains of 3 cars each and 1 numbers of Trains of 6 cars each excluding 1 (one) no. Train of 3 cars and 1 (one) no. Train of 6 cars in S.No.4)	100
		5.2	10 numbers of Trains of 3 cars each and 2 numbers of Trains of 6 cars each and any other additional Trains required as reserve by the Lessor	130
		5.3	10 numbers of Trains of 3 cars each and 5 numbers of Trains of 6 cars each and any other additional Trains required as reserve by the Lessor	180
		5.4	10 numbers of Trains of 6 cars each and any other additional Trains required as reserve by the Lessor	230
		5.5	11 numbers of Trains of 6 cars each and any other additional Trains required as reserve by the Lessor	280

		<b>6</b>	<b>Integrated testing and commissioning after completion of statutory tests and deployment of Train under revenue service (COD).</b>	
		6.1	10 numbers of Trains of 3 cars each and 1 numbers of Trains of 6 cars each excluding 1 (one) no. Train of 3 cars and 1 (one) no. Train of 6 cars in S.No.4)	112
		6.2	10 numbers of Trains of 3 cars each and 2 numbers of Trains of 6 cars each and any other additional Trains required as reserve by the Lessor	142
		6.3	10 numbers of Trains of 3 cars each and 5 numbers of Trains of 6 cars each and any other additional Trains required as reserve by the Lessor	192
		6.4	10 numbers of Trains of 6 cars each and any other additional Trains required as reserve by the Lessor	242
		6.5	11 numbers of Trains of 6 cars each and any other additional Trains required as reserve by the Lessor	292
		<b>WITH:</b>		
	<b>SUPPLY AND COMMISSIONING OF TRAINS</b>			
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	5	Supply of 264 Cars (Excluding anticipated 10% maintenance reserve and 5% traffic reserve)	
	5.1	10 numbers of Trains of 3 cars each and 1 numbers of Trains of 6 cars each <b>including 1 (one) no. Train of 3 cars and 1 (one) no. Train of 6 cars in S.No.4)</b>	100
	5.2	10 numbers of Trains of 3 cars each and 2 numbers of Trains of 6 cars each and any other additional Trains required as reserve by the Lessor	130
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	6.5	11 numbers of Trains of 6 cars each and any other additional Trains required as reserve by the Lessor	292

**Note:**

1. Wherever (i.e., Metro, LRT, Suburban EMUs, Trains hereinafter defined as “**Eligible Cars**”) **should be read as** (i.e., Metro, LRT, Suburban EMUs, **Electric Locomotives** Trains hereinafter defined as “**Eligible Cars**”)
2. “Default of 6 months for the delivery of 1<sup>st</sup> train from either end will not attract any penalty.”