

**NATIONAL HIGH SPEED RAIL CORPORATION LIMITED (NHSRCL)**

**(A Joint Sector Company of Govt. of India and Participating State Government)**

2<sup>nd</sup> Floor, Asia Bhawan, Road No.205, Sector-9, Dwarka, New Delhi-110077, India

**Addendum No. 10**

**Country: INDIA**

**Name of Work:** *Design and Construction of Civil and Building Works including Testing and Commissioning on Design Build Lump Sum Price basis for Double Line High Speed Railway involving Viaducts, Bridges, Maintenance Depots, Tunnel, Stations (Vapi, Bilimora, Surat and Bharuch), and Surat Depot between Zaroli Village at Maharashtra-Gujarat Border (MAHSR Km. 156.600) and Vadodara (MAHSR Km. 393.700), excluding Works for 04 No. PSC Bridges and 06 No. Steel Truss Bridges, in the State of Gujarat and the Union Territory of Dadra and Nagar Haveli for the Project for Construction of Mumbai-Ahmedabad High Speed Rail.*

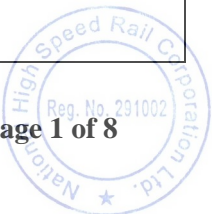
Date: 26.08.2019

Loan Agreement No.: ID-P277 & ID-P279

IFB Number: Package No. MAHSR-C-4

Following are to be considered:

<b>Item No.</b>	<b>Refer Para No.</b>	<b>Original</b>	<b>Revised</b>
1.	IFB, S. No.5, 7, 8 Page 2 of 3, Page 3 of 3  Addendum No. 5, Item No. 1  Addendum No. 9, Item No. 7	S. No. 5) Second para  The Bidding Documents shall be available for sale at NHSRCL's Office as mentioned in Para. (4) above during 10:00 hrs to 17:00 hrs on all the working days from 20 <sup>th</sup> March 2019 to 29 <sup>th</sup> August 2019.	S. No. 5) Second para  The Bidding Documents shall be available for sale at NHSRCL's Office as mentioned in Para. (4) above during 10:00 hrs to 17:00 hrs on all the working days from 20 <sup>th</sup> March 2019 to 31 <sup>st</sup> October 2019.



Item No.	Refer Para No.	Original	Revised
		<p>S. No. 7) Bids must be delivered to the address above on or before 15:00 hrs on 30<sup>th</sup> August 2019 and must be accompanied by a Bid Security of INR2,000,000,000.00 (Indian Rupee Two Billion only).</p> <p>S. No. 8) Only the Technical Bid will be opened in the presence of Bidders’ representatives who choose to attend at 15:30 hrs on 30<sup>th</sup> August 2019 at the office of:</p>	<p>S. No. 7) Bids must be delivered to the address above on or before 15:00 hrs on <i>1<sup>st</sup> November 2019</i> and must be accompanied by a Bid Security of INR2,000,000,000.00 (Indian Rupee Two Billion only).</p> <p>S. No. 8) Only the Technical Bid will be opened in the presence of Bidders’ representatives who choose to attend at 15:30 hrs on <i>1<sup>st</sup> November 2019</i> at the office of:</p>
2.	<p>Part 1, Section II, BDS, ITB 24.1 &amp; 27.1, Page 9 of 33</p> <p>Addendum No. 5, Item No. 2</p> <p>Addendum No. 9, Item No. 8</p>	<p><b>BDS ITB 24.1:</b> The deadline for Bid submission is: Date : 30<sup>th</sup> August 2019 Time : 15:00 hrs</p> <p><b>BDS ITB 27.1:</b> The opening of the Technical Bid shall take place at: Date : 30<sup>th</sup> August 2019 Time : 15:30 hrs</p>	<p><b>BDS ITB 24.1:</b> The deadline for Bid submission is: Date : <i>1<sup>st</sup> November 2019</i> Time : 15:00 hrs</p> <p><b>BDS ITB 27.1:</b> The opening of the Technical Bid shall take place at: Date : <i>1<sup>st</sup> November 2019</i> Time : 15:30 hrs</p>
3.	<p>Part 1, Section II, BDS, ITB 7.1 Page 4 of 33</p> <p>Addendum No. 5, Item No. 3</p>	<p><b>ITB 7.1</b> Responses to any request for clarification, if any, will be published on the Employer’s web site: <a href="http://www.nhsrcl.in">www.nhsrcl.in</a>. Replace the word “in writing at the Employer’s address” in the second line of ITB 7.1 with “in writing with the signature on behalf of the Bidder, delivered to the Employer through email/courier/fax/by hand”.</p>	<p><b>ITB 7.1</b> Responses to any request for clarification, if any, will be published on the Employer’s web site: <a href="http://www.nhsrcl.in">www.nhsrcl.in</a>. Replace the word “in writing at the Employer’s address” in the second line of ITB 7.1 with “in writing with the signature on behalf of the Bidder, delivered to the Employer through email/courier/fax/by hand”.</p>

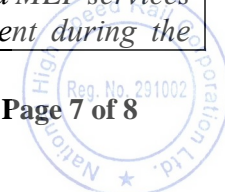
Item No.	Refer Para No.	Original	Revised
	Addendum No. 8, Item No. 75	Replace the sentence “The Employer will respond in writing to any request for clarification, provided that such request is received no later than fourteen (14) days prior to the deadline for submission of Bids.” at the fifth to eighth lines of ITB 7.1 with “The Employer’s response will be uploaded on the Employer’s webpage no later than 26 <sup>th</sup> July 2019, provided that such request is received no later than 7 <sup>th</sup> June 2019”.	Replace the sentence “The Employer will respond in writing to any request for clarification, provided that such request is received no later than fourteen (14) days prior to the deadline for submission of Bids.” at the fifth to eighth lines of ITB 7.1 with “The Employer’s response will be uploaded on the Employer’s webpage no later than 4 <sup>th</sup> October 2019, provided that such request is received no later than 7 <sup>th</sup> June 2019”.
4.	Part 1, Section II, BDS, ITB 21.1 Page 5 of 33	<p><b>ITB 21.1</b> The amount and currency of the Bid Security shall be INR2,000,000,000.00 (Indian Rupee Two Billion only).</p>	<p><b>ITB 21.1</b> The amount and currency of the Bid Security shall be INR2,000,000,000.00 (Indian Rupee Two Billion only). <i>Bid Security submitted in multiples in the name of JV/Consortium will also be acceptable.</i></p>

Item No.	Refer Para No.	Original	Revised
5.	Part 3, Section VIII, Part-B – Specific Provisions, sub-clause 6.5 Working Hours Page 28 of 77	-	<p>&lt;New Clause added&gt;</p> <p>Replace the whole of Sub-Clause 6.5 with the following:</p> <p><i>“No work shall be carried out on the Site on locally recognised days of rest, or outside the normal working hours stated in the Contract Data.</i></p> <p><i>However, multiple shifts involving work at night or outside normal working hours is permitted for all operations with the consent of the Engineer after obtaining necessary permissions from local authorities, if required. The contractor shall provide temporary lighting arrangements and maintain the same satisfactorily during the execution of the Contract.</i></p> <p><i>The contractor shall also take necessary actions to avoid excessive noise &amp; vibration etc. especially at night and if there are complaints in this regard, then the Contractor shall take remedial measures. No extra payment will be made to the Contractor for the provision of such measures.”</i></p>
6.	Part-2 Section VI-1, Division 03000, Sub-Division 03010 Sub-clause 1, Page 4 of 30  Addendum No. 3, Item No. 123	“Contract Spares” means any Spare Parts recommended by the Contractor for the operation and maintenance of the Permanent Works for a period of five (5) years following the Taking Over of the Works.	“Contract Spares” means any Spare Parts recommended by the Contractor for the <i>operation and maintenance of the Permanent Works following the Taking Over of the Works.</i>

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7.	Part 1, Section II, BDS, ITB 16.1(b) Page 5 of 33	<b>ITB 16.1(b)</b> The period following Completion of the Works during which Spare Parts (Contract Spares) shall be available is [five (5) years].	<b>ITB 16.1(b)</b> [five (5) years].												
8.	Part 2, Section VI-3, Division 05000, Sub-Division 05030, Sub-Clause 2.3.1.1(b), Page 15 of 46	The VRV or VRF units shall be capable of operating within range of ambient temperatures. The condensing units shall be capable to provide guaranteed capacity cooling within specified ambient range and shall be efficiently operable under extreme temperature prevailing in the region from -5° up to +55° C.	The VRV or VRF units shall be capable of operating within range of ambient temperatures. The condensing units shall be capable to provide guaranteed capacity cooling within specified ambient range and shall be efficiently operable under extreme temperature prevailing in the region from -5° up to +55° C. <i>In case contractor in not able to meet the requirement of upper limit of +55° C temperature for operation of air-conditioning equipment, derating in the capacity will be allowed for ambient temperature beyond 50° C with approval of the Engineer.</i>												
9.	Part 2, Section VI-2, Division 06000, Sub-Division 06010, Sub-Clause 1.3.7.2, Page 7 of 59	The Contractor shall closely study the ambient conditions prevailing in Surat and design the climate control arrangement accordingly.	The Contractor shall closely study the ambient conditions prevailing in Surat and design the climate control arrangement accordingly. <i>Refer Section VI-2, Division 05030, Sub-Clause 1.4.1(d) for ECS heat load design.</i>												
10.	Part 2, Section VI-2, Division 06000, Sub-Division 06010, Sub-Clause 1.3.7.3, Page 7 of 59	Surat Depot shall be designed in consideration of the following:  <b>Table 1: Reference Climatic and Environmental Conditions</b> <table border="1" data-bbox="555 1121 1245 1273"> <tr> <td>Ambient temperature</td> <td>Maximum temperature: 55°C Minimum temperature: -5°C</td> </tr> <tr> <td>Relative humidity</td> <td>100% saturation during rainy season.</td> </tr> <tr> <td>Atmospheric conditions</td> <td>Extremely dusty and desert terrain in certain areas.</td> </tr> </table>	Ambient temperature	Maximum temperature: 55°C Minimum temperature: -5°C	Relative humidity	100% saturation during rainy season.	Atmospheric conditions	Extremely dusty and desert terrain in certain areas.	Surat Depot shall be designed in consideration of the following:  <b>Table 1: Reference Climatic and Environmental Conditions</b> <table border="1" data-bbox="1368 1126 2170 1310"> <tr> <td>Ambient temperature</td> <td>Maximum temperature: 55°C Minimum temperature: -5°C</td> </tr> <tr> <td>Relative humidity</td> <td>100% saturation during rainy season.</td> </tr> <tr> <td>Atmospheric conditions</td> <td>Extremely dusty and desert terrain in certain areas.</td> </tr> </table>	Ambient temperature	Maximum temperature: 55°C Minimum temperature: -5°C	Relative humidity	100% saturation during rainy season.	Atmospheric conditions	Extremely dusty and desert terrain in certain areas.
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		<b>Note:</b> Civil works of Surat Depot shall be designed to prevent the impact of floods and accumulation of water in the premises of the Depot's working area.	<b>Note:</b> 1) Civil works of Surat Depot shall be designed to prevent the impact of floods and accumulation of water in the premises of the Depot's working area. 2) <i>In case Contractor in not able to meet the requirement of upper limit of +55° C temperature for operation of air-conditioning equipment, derating in the capacity will be allowed for ambient temperature beyond 50° C with approval of Engineer.</i>
11.	Part 2, Section VI-1, Division 04000, Sub-Division 04130, Sub-Clause 1.2.1, Page 99 of 108	The Spare Parts to be prepared by the Contractor shall consist of: 1) Contract Spares (as hereinafter defined); 2) Commissioning Spares (as hereinafter defined); and 3) Defects Notification Spares (as hereinafter defined).	The Spare Parts to be <i>arranged</i> by the Contractor shall consist of: 1) <i>Contract Spares;</i> 2) <i>Commissioning Spares; and</i> 3) <i>Defects Notification Spares.</i>
12.	Part 2, Section VI-2, Division 06000, Sub-Division 06010, Sub-Clause 1.3.7.1, Page 7 of 59	Surat Depot including the Maintenance Facilities shall be designed to provide comfortable operation in Indian climatic and environmental conditions.	<i>Surat Depot shall be designed to provide comfortable operation in Indian climatic and environmental conditions.</i>
13.	Part 2, Section VI-3, Division 06000, Sub-Division 06020, Sub- Clause W-1-1 3.1 (i), Page 7 of 27	Maximum machining depth shall approximately be 10 mm.	Maximum machining depth shall approximately be <i>8 mm.</i>
14.	Part 2, Section VI-3, Division 06000, Sub-Division 06020, Sub-Clause W-1-2 3.1 (f), Page 11 of 27	Fully charged Battery Pusher shall be able to push or pull a train set of 10 cars over a minimum distance of approximately 20 km.	Fully charged Battery Pusher shall be able to push or pull a train set of 10 cars over a minimum distance of <i>5 km.</i>

Item No.	Refer Para No.	Original	Revised						
15.	Part 2, Section VI-2, Division 06000, Sub-Division 06020, Sub-Clause 1.2, Page 5 of 32	<p><b>Climatic and Environmental Conditions</b></p> <p>Please refer to DRC 06010 (Surat Depot)</p>	<p><b>Climatic and Environmental Conditions</b></p> <p><i>The Maintenance Facilities at Surat Depot shall be designed in consideration of the following:</i></p> <table border="1" data-bbox="1357 456 2114 683"> <tr> <td data-bbox="1357 456 1568 531"><i>Operating temperature</i></td> <td data-bbox="1568 456 2114 531"><i>The maximum operating temperature shall be considered as 40<sup>0</sup>C.</i></td> </tr> <tr> <td data-bbox="1357 531 1568 606"><i>Relative humidity</i></td> <td data-bbox="1568 531 2114 606"><i>100% saturation during rainy season.</i></td> </tr> <tr> <td data-bbox="1357 606 1568 683"><i>Atmospheric conditions</i></td> <td data-bbox="1568 606 2114 683"><i>Dusty conditions</i></td> </tr> </table>	<i>Operating temperature</i>	<i>The maximum operating temperature shall be considered as 40<sup>0</sup>C.</i>	<i>Relative humidity</i>	<i>100% saturation during rainy season.</i>	<i>Atmospheric conditions</i>	<i>Dusty conditions</i>
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16.	Part 2, Section VI-1, Division 04000, Sub-Division 04130, Sub- Clause 1.1.1, Page 98 of 108	The Contractor in his Bid shall provide the list of Spare Parts (Contract Spare Parts), Consumables, Special Tools and Test Equipment required for the maintenance of the Plant, equipment and MEP services, that shall be supplied free of cost by the Contractor under the Contract unless otherwise stated in Section VI-3 Technical Specifications.	<Deleted>						
17.	Part 2, Section VI-1, Division 04000, Sub-Division 04130, Sub-Clause 1.1.2, Page 98 of 108	The Contractor, in his Bid, shall submit the recommended list of Spare Parts, Consumables, Special Tools and Test Equipment that shall be required for supporting continuous operation of the Plant, equipment and MEP services in accordance with Technical Specifications.	<Deleted>						
18.	Part 2, Section VI-1, Division 04000, Sub-Division 04130, Sub-Clause 1.1.3, Page 98 of 108	The manufacturer recommended list of Spare Parts, Consumables, Special Tools and Test Equipment, and their quantities necessary to support the continuous operation of the Plant, equipment and MEP services in accordance with the Employer's Requirement shall be updated for the review and	<i>The Contractor shall submit the manufacturer recommended list of Spare Parts, Consumables, Special Tools and Test Equipment, and their quantities necessary to support the continuous operation of the Plant, equipment and MEP services in accordance with the Employer's Requirement during the</i>						



Item No.	Refer Para No.	Original	Revised																
		approval of the Engineer at the time of completion of the Technical Design and again at the time of Construction/Installation Design. A final update with the same details shall be made not later than six (6) month before the Taking-Over Certificate for the Works. The details provided by the Contractor shall include the OEM part number, individual price, source (names, addresses, telephone numbers and other particulars of manufacturers/their dealers/partners/local agents), and other relevant information.	<i>Design Phase. The list shall be updated for the review and approval of the Engineer at the time of completion of the Technical Design and again at the time of Construction/Installation Design. A final update with the same details shall be made not later than six (6) month before the Taking-Over Certificate for the Works. The details provided by the Contractor shall include the OEM part number, individual price, source (names, addresses, telephone numbers and other particulars of manufacturers/their dealers/partners/local agents), and other relevant information.</i>																
19.	Part 2, Section VI-1, Division 04000, Sub-Division 04130, Sub-Clause 1.2.3.2, Page 100 of 108	The quantities of Contract Spares required for maintenance of Plant, equipment and MEP services for five (5) years from Taking Over shall be supplied by the Contractor under the Contract.	<i>Unless otherwise stated elsewhere in the Bidding Documents, the Contractor, under the Contract, shall supply the quantities of Contract Spares sufficient enough for the operation &amp; maintenance of Plant, equipment and MEP services for three (3) years from Taking Over. Based on the actual usage of the spare parts during the DNP, the list of spare parts shall be reviewed and any required increase in the spare parts shall be supplied by the Contractor latest by three (03) months prior to the completion of the DNP.</i>																
20.	Part 2, Section VI-3, Division 05000, Sub-Division 05030, Sub-Clause 6) Table M-1 Lifts & Escalator, Page 46 of 46	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Lifts &amp; Escalator</th> </tr> </thead> <tbody> <tr> <td style="width: 5%; text-align: center;">1</td> <td style="width: 35%;">Lifts (26 Passenger- MRL- Glass through type)</td> <td rowspan="2" style="width: 60%;">Equipment shall successfully have minimum of 3 years in related services (Airports or MRTS)</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Escalators (Heavy duty, 1000mm)</td> </tr> </tbody> </table>	Lifts & Escalator			1	Lifts (26 Passenger- MRL- Glass through type)	Equipment shall successfully have minimum of 3 years in related services (Airports or MRTS)	2	Escalators (Heavy duty, 1000mm)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Lifts &amp; Escalator</th> </tr> </thead> <tbody> <tr> <td style="width: 5%; text-align: center;">1</td> <td style="width: 35%;">Lifts (26 Passenger- MRL- Glass through type)</td> <td rowspan="2" style="width: 60%;"><i>Similar Equipment should have been successfully in service at Airports/Metro Rail Stations for a minimum of 2 years</i></td> </tr> <tr> <td style="text-align: center;">2</td> <td>Escalators (Heavy duty, 1000mm)</td> </tr> </tbody> </table>	Lifts & Escalator			1	Lifts (26 Passenger- MRL- Glass through type)	<i>Similar Equipment should have been successfully in service at Airports/Metro Rail Stations for a minimum of 2 years</i>	2	Escalators (Heavy duty, 1000mm)
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