NATIONAL HIGH SPEED RAIL CORPORATION LIMITED (NHSRCL)

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

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

Addendum No. 05

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 Viaduct & Bridges, Crossing Bridges, Maintenance Depot and Station (Anand/Nadiad), between Vadodara and Ahmedabad from MAHSR Km. 401.898 to MAHSR Km. 489.467, excluding Works for 01 No. PSC Bridge and 04 No. Steel Truss Bridges, in the State of Gujarat for the Project for Construction of Mumbai-Ahmedabad High Speed Rail*

Date: 08.01.2020
Loan Agreement No.: ID-P277 & ID-P279
IFB Number: Package No. MAHSR-C-6

Following are to be considered:

Item No.	Refer Para No.	Original/As Existing	Revised
1.	Part 1, Section IV - Bidding Forms, Clause 4.0, Form FIN-3, Item 2., Page 78 of 115	2. We do hereby declare that we have obtained debt restructuring in the immediately preceding three (3) years from the date of deadline of submission of our Bid or have applied for it (as on the date of deadline of submission of Bids) or are currently in the process of corporate debt restructuring (strikethrough the clause which is not applicable). We do hereby undertake that we shall open a dedicated 'Contract Specific Bank Account' for credit of advances and all other payments received from the Employer under this Contract and for expenditures/debits made/to-be-	2. We do hereby declare that we have obtained debt restructuring in the immediately preceding three (3) years from the date of deadline of submission of our Bid or have applied for it (as on the date of deadline of submission of Bids) or are currently in the process of corporate debt restructuring (strikethrough the clause which is not applicable). We do hereby undertake that we shall open a dedicated *'Trust & Retention Account (T & R Account)' in consultation with the Employer. We shall submit a certified list of vendors/suppliers/sub-contractors/consultants,*

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		made for the purpose of execution of the Works pertaining to this Contract; and that we will not divert the funds for the purpose(s) other than the intended purpose(s). Also, we give mandate to the Employer or their representative to make inspection(s) of this account whenever so desired by them.	*associated and engaged for the execution of the contract work. The Bank will make payments, on our instructions, to pre-certified vendors/suppliers/sub-contractors/consultants only. We shall not divert the funds for the purpose(s) other than the intended purpose(s).* Also, we give mandate to the Employer or their representative to make inspection(s) of this account whenever so desired by them.
2.	Part 2, Section VI-2, Division 02000, Attachment -5, Sub-Division 02050, Sub-Clause 3.3.2.2, Item 2) b), Last Paragraph, Page 153 of 165	The tip of cast-in-situ pile foundation shall be placed on a soil stratum having average N-value of 70 or more in 5m (minimum) soil layer below the tip or socketed into rock.	<Deleted>
3.	Part 2, Section VI-2, Sub-Division 05010, Sub-Clause 3.12.5, Item c), Page 42 of 44	c) Finishes All concrete wall, MU and solid brick wall surfaces shall be rendered by cement plastering finish on both sides from the floor slab to the underside of the floor construction above, and cement plastering thickness shall be 30 mm for exterior applications, and 20 mm for interior applications, unless otherwise indicated on the drawings or after obtaining approval from the Engineer.	c) Finishes All concrete wall, MU and solid brick wall surfaces shall be rendered by cement plastering finish on both sides from the floor slab to the underside of the floor construction above, and cement plastering thickness shall be 30 mm for exterior applications, and *15* mm for interior applications, unless otherwise indicated on the drawings or after obtaining approval from the Engineer.
4.	Part 2, Section VI-3, Sub-Division 05010, Sub-Clause 1.1, Page 06 of 75		<Add the following item 13) after existing item 12)> 13. The Contractor shall submit a list of proposed brand names for all Architectural finishes to be used in the project as per good industrial practices, at the Detailed Design Phase after the award of contract. The proposed brands in the list should have been used in projects such as Metros, Airports, 5-star hotels etc.

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<tr><td>5.</td><td>Part 2, Section VI-3, Sub-Division 05010, Sub-Clause 5.2, Page 18 of 75</td><td></td><td><Add the following Sub-Clause 5.2.3 after existing Sub-Clause 5.2.2>

5.2.3. Selection of Granite

The quantity of Granite to be used in station shall be of 4 categories based on the colour selection, quality and mine location of granites as mentioned in the table below. Commonly used industry names of different Granites along with application percentage has been mentioned in the table below.
<table>
<tr><th>Category 1 – 70%</th><th>Category 2 - 20%</th><th>Category 3 – 5%</th><th>Category 4 – 5%</th></tr>
<tr><td>Grey Granite (Karnataka)
• Sadar Ali
• Commando Grey
• Premium Grey
• Grey - Viscent White, Kuppam White (Andhra)</td><td>Red Granite (Karnataka)
• Sindoori Red
• Imperial Red</td><td>Jet Black/Black Galaxy (Tamil Nadu/ Karnataka)</td><td>Black Pearl</td></tr>
<tr><td>Raw Silk (Tamil Nadu)</td><td>Hassan Green (Karnataka)</td><td>Blue Lavender (Orissa)</td><td>Blue Pearl</td></tr>
<tr><td></td><td>Colonial White (Rajasthan)</td><td>Lakha Red (Karnataka)</td><td></td></tr>
</table>
Note: The percentage quantity of each category mentioned in the table are approximate and is subjected to change with the approval of the Engineer.</td></tr>
</table>

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<tr><td>6.</td><td>Part 2, Section VI-2, Sub-Division 07030 – Attachment -1, Sub-Clause 5.2, Page 23 of 24</td><td>
<table>
<tr><th>Maintenance Depot</th><th>Drawing Number</th><th>Drawing Title</th></tr>
<tr><td>Anand / Nadiad</td><td>SD-JIC-E01-DRW-M07-GRN-B01-10101 000 and its revisions
SD-JIC-E01-DRW-M07-GRN-B01-10102 000 and its revisions
SD-JIC-E01-DRW-M07-ROD-B01-20101 000 and its revisions</td><td>General Drawing
Standard Cross Section
Road in the site Cross Section</td></tr>
</table>
</td><td>
<table>
<tr><th>Maintenance Depot</th><th>Drawing Number</th><th>Drawing Title</th></tr>
<tr><td>Anand / Nadiad</td><td>SD-JIC-E01-DRW-M07-ETS-B01-20204 000 and its revisions
SD-JIC-E01-DRW-M07-DPC-B01-30101 000 and its revisions</td><td>Approach Line Retaining Wall Cross Section
Roadbed Plan</td></tr>
</table>
</td></tr>
<tr><td>7.</td><td>Part 2, Section VI-4, Drawings</td><td></td><td>Refer Attachment No. 01 of this Addendum for revised drawing list, new/revised drawings and drawing change record.</td></tr>
</table>

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<tr><td>8.</td><td>Addendum No. 4, Item No. 58, Part 2, Section VI-2, Division 02000, Attachment 5, Sub-Division 02050, Sub-Clause 3.3.2.1, Page 151 of 165</td><td>

Table 5.0.2: Standard Design drawing of pier for Anand-Nadiad branch section

<table>
<tr><th>Pier Number</th><th>Structure type</th><th>Pier height</th><th>Structural member</th><th>Applicable Standard Design drawing</th></tr>
<tr><td rowspan="2">PP1</td><td rowspan="2">Portal pier (3 columns)</td><td rowspan="2">14.5 m</td><td>Column</td><td>*AN-MD-BR-PP1</td></tr>
<tr><td>Cast-in-situ pile</td><td>**AN-MD-BR-3PP1-CP</td></tr>
<tr><td rowspan="2">PP2</td><td rowspan="2">Portal pier (4 columns)</td><td rowspan="2">14.5 m</td><td>Column</td><td>AN-MD-BR-PP2</td></tr>
<tr><td>Cast-in-situ pile</td><td>AN-MD-BR-4PP2-CP</td></tr>
<tr><td rowspan="2">PP3</td><td rowspan="2">Portal pier (4 columns)</td><td rowspan="2">14.3 m</td><td>Column</td><td>AN-MD-BR-PP3</td></tr>
<tr><td>Cast-in-situ pile</td><td>AN-MD-BR-4PP2-CP</td></tr>
<tr><td rowspan="2">PP4</td><td rowspan="2">Portal pier (3 columns)</td><td rowspan="2">14.2 m</td><td>Column</td><td>AN-MD-BR-PP4</td></tr>
<tr><td>Cast-in-situ pile</td><td>AN-MD-BR-3PP2-CP</td></tr>
<tr><td rowspan="2">PP5</td><td rowspan="2">Portal pier (3 columns)</td><td rowspan="2">13.4 m</td><td>Column</td><td>AN-MD-BR-PP5</td></tr>
<tr><td>Cast-in-situ pile</td><td>AN-MD-BR-3PP1-CP</td></tr>
<tr><td>P6</td><td>Rectangular pier</td><td>13.7 m</td><td>Cast-in-situ pile</td><td>***</td></tr>
</table>

</td><td>

Table *5.3.3*: Standard Design drawing of pier for Anand-Nadiad branch section

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<tr><th>Pier Number</th><th>Structure type</th><th>Pier height</th><th>Structural member</th><th>Applicable Standard Design drawing</th></tr>
<tr><td rowspan="2">PP1</td><td rowspan="2">Portal pier (3 columns)</td><td rowspan="2">14.5 m</td><td>Column</td><td>*AN-MD-BR-PP1</td></tr>
<tr><td>Cast-in-situ pile</td><td>**AN-MD-BR-*3PP2*-CP</td></tr>
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<tr><td rowspan="2">PP3</td><td rowspan="2">Portal pier (4 columns)</td><td rowspan="2">14.3 m</td><td>Column</td><td>AN-MD-BR-PP3</td></tr>
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9.	Addendum No. 4, Item No. 11, Attachment No. 14, Page 31 of 41, Part 2, Section VI-2, Division 02000, Attachment-6, Clause 3.		<Add the following after Fig. A6.1 in Clause 3> "3.1 The verification of Running Safety may not be carried out in case the difference in height of the adjacent piers falls in the following cases: (a) For adjacent piers with heights less than or equal to 13 meters and the height difference between the adjacent piers is within 3 meters; (b) For adjacent piers with heights greater than 13 meters and less than or equal to 20 meters and the height difference between the adjacent piers is within 1.5 meters; and (c) For adjacent piers with heights greater than 20 meters and the height difference between the adjacent piers is within 1 meter. The above cases are applicable only if the following conditions are satisfied: (i) Girder length combination of 30m + 30m and 35m + 35m with the same type of foundations i.e. either pile or spread; (ii) Girder type combination of PSC Box Girder + PSC Box Girder and PSC I Girder + PSC I Girder. (Girder Length in this sub-clause means Bridge Length) For all the other cases where the above conditions are not satisfied, the verification of running safety shall be carried out by the Contractor unless otherwise specified." The nomogram shown in the SAMPLE in Appendix is for the purpose of illustration of the procedure only.

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