



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. 03

Country: INDIA

Name of Work: *Design and Construction of Civil and Buildings Works including Testing and Commissioning on Design-Build Lump Sum Price basis for Double Line High Speed Railway for Mumbai Underground Station, Cut & Cover Tunnel and Shaft -1 from MAHSR Km. -0.255 to Km. 0.775 at Bandra-Kurla Complex in the State of Maharashtra for the Project for Construction of Mumbai-Ahmedabad High Speed Rail*

Date: 30.04.2020

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

IFB Number: Package No. MAHSR-C-1

Following are to be considered:

Item No.	Refer Para No.	Original/As Existing	Revised
1.	Addendum No. 02, Item No. 37 Part 2, Section VI-4, Drawings		<p>In Attachment No. 01, new list of Drawings has been provided which replaces the existing corresponding list of drawings.</p> <p>In these lists, the original drawings which have not been revised are shown in 'Black', drawings which have been revised are shown in 'Blue' and drawings which have been newly added are shown in 'Red'.</p> <p>Note that only those drawings that have been revised or newly added are enclosed in Attachment.</p>



Item No.	Refer Para No.	Original/As Existing	Revised
			Attachment may be downloaded by the Bidders, who have purchased the Bid Document, through the link provided to the respective Bidders.
2.	Addendum No. 02, Item 1. IFB, S. No. 5, 7, 8, Page 2 of 3	<p>S. No. 5, 2nd 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 26.11.2019 to 11.05.2020.</p> <p>S. No. 7) Bids must be delivered to General Manager (Contract) at the address as given in BDS ITB 24.1 on or before 15:00 hrs on 12.05.2020 and must be accompanied by a Bid Security of INR 220 Million (Indian Rupees Two Hundred Twenty Million 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 12.05.2020 at the office of:</p>	<p>S. No. 5, 2nd 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 26.11.2019 to <i>11.06.2020</i>.</p> <p>S. No. 7) Bids must be delivered to General Manager (Contract) at the address as given in BDS ITB 24.1 on or before 15:00 hrs on <i>12.06.2020</i> and must be accompanied by a Bid Security of INR 220 Million (Indian Rupees Two Hundred Twenty Million 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>12.06.2020</i> at the office of:</p>
3.	Part 1, Section II, BDS, ITB 7.1, Page 4 of 34	<p>Responses to any request for clarification, if any, will be published on the Employer's web site: www.nhsrcl.in. 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". 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 twenty-eight (28) days prior to the deadline for submission of Bids, provided</p>	<p>Responses to any request for clarification, if any, will be published on the Employer's web site: www.nhsrcl.in. 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". 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 twenty-eight (28) days prior to the deadline for submission of Bids, provided that such request is received no later than <i>24.03.2020</i>.</p>



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		that such request is received no later than forty-nine (49) days prior to the deadline”.	
4.	Addendum No. 02, Item No. 3. Part 1, Section II, BDS, ITB 24.1, Page 9 of 34	<p>For Bid submission purposes only, the Employer’s address is:</p> <p>Attention: General Manager (Contract), National High Speed Rail Corporation Limited Street Address: Asia Bhawan, Road No.205, Sector-9, Dwarka, New Delhi, India Floor/Room number: 2nd Floor/Room number: 201 City: New Delhi Zip Code: 110077 Country: India</p> <p>The deadline for Bid submission is: Date : 12.05.2020 Time : 15:00 hrs</p>	<p>For Bid submission purposes only, the Employer’s address is:</p> <p>Attention: General Manager (Contract), National High Speed Rail Corporation Limited Street Address: Asia Bhawan, Road No.205, Sector-9, Dwarka, New Delhi, India Floor/Room number: 2nd Floor/Room number: 201 City: New Delhi Zip Code: 110077 Country: India</p> <p>The deadline for Bid submission is: Date : 12.06.2020 Time : 15:00 hrs</p>
5.	Addendum No. 02, Item No. 4. Part 1, Section II, BDS, ITB 27.1, Page 9 of 34	<p>ITB 27.1 The opening of the Technical Bid shall take place at: Date : 12.05.2020 Time : 15:30 hrs</p>	<p>ITB 27.1 The opening of the Technical Bid shall take place at: Date : 12.06.2020 Time : 15:30 hrs</p>
6.	Part 1, Section III, Sub-Clause 3.2 (b) (iii), 3 rd Column of Table, Heading- ‘Requirement’, Page 18 of 34	No consistent history of court/arbitral award decisions against the Bidder ⁽ⁱⁱⁱ⁾ since 1 st January 2014.	No consistent history of court/arbitral award decisions against the Bidder ⁽ⁱⁱⁱ⁾ since 1 st January 2015 up to 28 days prior to the Bid Submission deadline.



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7.	Part 1, Section III, Sub-Clause 3.2 (b), Notes to the Bidder, Item (iii), Page 19 of 34	The Bidder shall provide accurate information on the related Bidding Form about any litigation or arbitration resulting from Contracts completed or ongoing under its execution over the last five (5) years. A consistent history of awards against the Bidder or any member of a joint venture may result in rejection of the Bid.	The Bidder shall provide accurate information on the related Bidding Form about any litigation or arbitration resulting from Contracts completed or ongoing under its execution <i>since 1st January 2015 up to 28 days prior to the Bid Submission deadline</i> . A consistent history of awards against the Bidder or any member of a joint venture may result in rejection of the Bid.
8.	Part 1, Section IV, Sub-Clause 2.1, Item d), Page 13 of 101	The rates and prices quoted in the Price Schedules shall, except insofar as it is otherwise provided under the Contract, include all design, Contractor's equipment, labour, supervision, materials, erection, temporary works including temporary approach roads, construction roads, maintenance, insurances, profit, taxes, and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract. The Contractor will be free to avail input tax credits under GST as per the prevailing rules and input tax credit shall be deemed to have been considered in the Quoted Price in the Price Schedules. The successful bidder shall be required to give details of all taxes and duties incorporated in the Bid Price after award of the Contract.	The rates and prices quoted in the Price Schedules shall, except insofar as it is otherwise provided under the Contract, include all design, Contractor's equipment, labour, supervision, materials, <i>use and disposal of excavated material</i> , erection, temporary works including temporary approach roads, construction roads, maintenance, insurances, profit, taxes, and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract. <i>The rates and prices in the Price Schedule shall also deemed to have included excavation in all types of strata irrespective of their extent encountered during excavation, notwithstanding any data provided in the Employer's Requirements.</i> The Contractor will be free to avail input tax credits under GST as per the prevailing rules and input tax credit shall be deemed to have been considered in the Quoted Price in the Price Schedules. The successful bidder shall be required to give details of all taxes and duties incorporated in the Bid Price after award of the Contract. <i>Any benefit and/or cost accrued to the Contractor as a result of the usage and disposal of the excavated material shall be deemed to be included in the Accepted Contract Amount.</i>
9.	Part 1, Section IV, 2.7 Price Schedule, Schedule No.4, Item No. 406, Column no. 2, Page 25 of 101	Completion of columns above URSL for IFSC building as per Drawings.	Completion of columns/ <i>shear walls</i> above URSL for IFSC building as per Drawings.



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10.	Part 1, Section IV, 2.7 Price Schedule, Schedule No.5, Item No. 505, Column no. 2, Page 27 of 101	Completion of columns above B1 slab for IFSC building as per Drawings.	Completion of columns/ <i>shear walls</i> above B1 slab for IFSC building as per Drawings.
11.	Part 1, Section IV, FORM CON 3.0 – Litigation History, 2 nd row and 3 rd row, Page 62 of 101	<p>No court/arbitral award decisions against the Bidder or any member of the JV/consortium since 1st January 2014, in accordance with the Section III, Evaluation and Qualification Criteria, Sub-Factor 3.2 (b) (iii).</p> <p>Court/ arbitral award decisions against the Bidder or any member of the JV/consortium since 1st January 2014, in accordance with the Section III, Evaluation and Qualification Criteria, Sub-Factor 3.2 (b) (iii), are indicated below:</p>	<p>No court/arbitral award decisions against the Bidder or any member of the JV/consortium since 1st January 2015 up to 28 days prior to the Bid Submission deadline, in accordance with the Section III, Evaluation and Qualification Criteria, Sub-Factor 3.2 (b) (iii).</p> <p>Court/ arbitral award decisions against the Bidder or any member of the JV/consortium since 1st January 2015 up to 28 days prior to the Bid Submission deadline, in accordance with the Section III, Evaluation and Qualification Criteria, Sub-Factor 3.2 (b) (iii), are indicated below:</p>
12.	Part 2, Section VI-1, Division 08000, Appendix 08000-1, Sub-Clause 2.12.4.9 Page 18 of 149	If the Contractor fails to conduct the External, SHE Audit in time, the Engineer shall get it done and penalty shall be imposed as per Clause 7.2/ Table 2/ SI No.7.	If the Contractor fails to conduct the External SHE Audit in time, the Engineer shall get it done. <i>The cost of the same shall be on Contractor's account.</i>
13.	Part 2, Section VI-1, Division 08000, Appendix 08000-1, Sub-Clause 6.9.1 and Sub-Clause 6.9.3, Page 81 of 149	<p>6.9.1 The Contractor is responsible for complying with the Noise Pollution (Regulation and Control) Rules (2000), particularly residential area and silence zone as per the rule.</p> <p>6.9.3 The Contractor shall cease any activity likely to produce “Significant” noise at all locations that are less than 150 m from residential area and silence zone as per the Noise Pollution (Regulation and Control) Rules (2000), between the hours of 10.00 pm and 6.00 am, and on Sundays and public holidays. The Site near sensitive zone as per the Noise Pollution (Regulation and Control) Rules (2000) shall be surrounded by the temporary noise barriers if adjacent work is necessary.</p>	<p>6.9.1 The Contractor is responsible for complying with the Noise Pollution (Regulation and Control) Rules (2000), amendments thereafter and relevant applicable laws.</p> <p>6.9.3 <Deleted></p>



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14.	Part 2, Section VI-2, Division 02000, Sub-Clause 2.1.1, Page 11 of 30	The Contractor shall undertake the necessary Geological and Geotechnical investigation for all civil works except for which the Structural Design has been included in the Employer's Requirements.	<p>The Contractor shall undertake the necessary Geological and Geotechnical investigation for all civil works except for which the Structural Design has been included in the Employer's Requirements.</p> <p><i>However, for the structures for which Structural Design has been included in the Employer's Requirements, the Contractor shall carry out plate load test/any other suitable geotechnical test to ascertain the bearing capacity at the foundation level (bottom-of-excavation) and report the test results to the Engineer. The Contractor shall proceed further only after obtaining approval from the Engineer.</i></p>
15.	Part 2, Section VI-2, Division 05000, Sub-Division 05030, Sub-Clause 1.4.1, Item d) x), Page 14 of 77	For any other room/area as defined in the room data sheet, the inside temperature shall not be more than 27°C	For any other room/area <i>not defined above, but required to be airconditioned as per DRC 05010 (Annexure-2)</i> , the temperature shall not be more than 27°C
16.	Part 2, Section VI-2, Division 05000, Sub-Division 05040, Sub-Clause 17.5.6, Page 34 & 35 of 58	<p>Earthing Material</p> <p>Materials of which the protective system is composed shall be resistant to corrosion or be adequately protected against corrosion. Adequate margin for corrosion shall be taken for the selection of the size.</p> <p>Copper - When solid or stranded copper wire is used it shall be of the grade ordinarily required for commercial electrical work generally designated as being of 99% conductivity when annealed, conforming to Indian standard specifications as per latest IEEE 80 A.</p> <p>Earthing cables shall be minimum of LSZH insulation material or as approved by the Engineer.</p>	<p>Earthing Material</p> <p>Materials of which the protective system is composed shall be resistant to corrosion or be adequately protected against corrosion. Adequate margin for corrosion shall be taken for the selection of the size.</p> <p>Copper - Solid or stranded copper conductor, earth rod electrode shall be of 99.9% conductivity, conforming to Indian standard specifications and as per latest IEEE 80 A.</p> <p>Earthing cables shall be minimum of LSZH insulation material or as approved by the Engineer.</p> <p><i>Copper round / flat conductors of equivalent area shall be used in horizontal and vertical conductors of Earth mat as approved by the</i></p>



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			<p><i>Engineer. Adequate number copper rod earth electrode shall be driven into ground and connected to Earth mat.</i></p> <p><i>GI Strips shall be provided for Equipment Earthing from Earth Terminals and as approved by the Engineer.</i></p>
17.	Part 2, Section VI-2, Division 05000, Sub-Division 05040, Sub-Clause 17.5.10, Page 35 of 58		<p><Insert the following after Item e)></p> <p>f) Earth Mesh / Mat shall be connected to copper rod earth electrodes which are driven into ground.</p>
18.	Part 2, Section VI-2, Division 05000, Sub-Division 05040, Sub-Clause 18.2.5, Item d), Page 54 of 58	FACP shall also control and monitor of flow switches for sprinkler system and control and monitoring of gas suppression system.	<i>FACP shall monitor flow switches for sprinkler system and gas suppression system.</i>
19.	Part 2, Section VI-2, Division 05000, Sub-Division 05050, Sub-Clause 12.4, Item a), Page 21 of 22	The station building shall be provided with sprinkler protection as per IS: 15105, applicable code or NBC-2016, i.e. Commercial areas, combustible storage areas means fire prone areas and tapping provision for elevators. Pendant or upright sprinkler shall be used above false ceiling and non-AC areas for voids greater than 800 mm. Pendant sprinklers shall be used for false ceiling in AC areas.	The station building shall be provided with sprinkler protection as per IS: 15105, applicable code or NBC-2016, i.e. Commercial areas, combustible storage areas means fire prone areas and tapping provision for <i>escalators</i> . Pendant or upright sprinkler shall be used above false ceiling and non-AC areas for voids greater than 800 mm. Pendant sprinklers shall be used for false ceiling in AC areas.
20.	Part 2, Section VI-3, Division 02000, Sub-Clause 2.1.4, Item m), Page 10 of 72	Excavation material required for filling shall be stacked or dumped where indicated by the Engineer. The surplus material shall be disposed off by the Contractor as per Sub-Clause 2.4 of this Division. While transporting, a dumper with tarpaulin or suitable cover shall be used. Necessary approval from the local authorities for carting and dumping surplus material is to be obtained by the Contractor at his own cost. Truck drivers shall be trained by the Contractor to follow construction, traffic management and maintenance rules.	Excavation material required for filling <i>by the Contractor</i> shall be stacked or dumped <i>at suitable location as proposed by the Contractor and approved by the Engineer</i> . The surplus material shall be disposed off by the Contractor as per Sub-Clause 2.4 of this Division. While transporting, a dumper with tarpaulin or suitable cover shall be used. Necessary approval from the local authorities for carting and dumping surplus material is to be obtained by the Contractor at his own cost.



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			Truck drivers shall be trained by the Contractor to follow construction, traffic management and maintenance rules.
21.	Part 2, Section VI-3, Division 02000, Sub-Clause 2.2, Item e), Page 12 of 72	e) If the soil quality at the bottom-of-excavation greatly differs from the design documents and drawings or if the plate load test result (where applicable) does not satisfy the bearing capacity requirements, the Contractor shall report the matter to the Engineer and shall proceed for construction only after obtaining the revised design and drawings and approval from the Engineer.	e) <Deleted>
22.	Part 2, Section VI-3, Division 05000, Sub-Division 05050, Sub-Clause 5.7, Page 28 of 32	<p>5.7 High Pressure Mist Fire Gun, Low Pressure Sprinkler and Open Nozzle Water Mist System Piping Material:</p> <p>a) All high pressure mist fire pipes shall be made of stainless-steel of minimum 316L Grade Seamless Pipe and Fitting for water mist gun and open nozzle piping shall be in accordance with relevant code</p> <p>b) In low pressure, automatic sprinkler piping shall be used c-PVC UL approved (IS : 16088 : 2012) or as per approved detailed design scheme by local fire authority. Pipe Supports and hangers shall be in accordance with NFPA 13, IS: 15105 and/or relevant code, whichever is the most stringent.</p>	<p>5.7 High Pressure Mist Fire Gun, Low Pressure Water Mist Sprinkler System and Medium Velocity Open Nozzle Piping Material:</p> <p>a) All high pressure mist fire pipes shall be made of stainless-steel of minimum 316L Grade Seamless Pipe along with fittings for water mist gun.</p> <p>b) <i>Low and medium pressure open nozzle</i>, sprinkler piping shall be c-PVC UL approved (IS : 16088 : 2012) or as per approved detailed design scheme by local fire authority. Pipe Supports and hangers shall be in accordance with NFPA 13, IS: 15105 and/or relevant code, whichever is the most stringent.</p>
23.	Part 2, Section VI-5, Attachment 1: Geological Survey Report		Additional borehole data conducted at various chainages by the Employer are attached as Attachment No. 02 of this Addendum.



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24.	Addendum No. 02, Item No. 30, Part 3, Section VIII – Particular Conditions (PC), Part A – Contract Data, Sub-Clause 8.7, Page 6 of 67	0.025% (zero-point zero two five percent) of the Contract Price per day. For Milestones refer to the table Summary of Milestones below.		0.01% (zero-point zero one percent) of the Contract Price per day. For Milestones refer to the table Summary of Milestones below.									
25.	Addendum 01, Item No. 38, Note 1, Page 16 of 18	Note 1: Rebar weight tables given in the Structural Design drawings are for reference only. No claim and/or variation in the Accepted Contract Amount shall be admissible on account of incorrect rebar weights in the tables. The Contractor shall follow the bar arrangement shown in the reinforcement drawings and provide the same at his own cost.		Note 1: Rebar weight tables given in the Structural Design drawings are for reference only. <i>Similarly, Bar Bending Schedule (BBS) drawings, wherever provided, are for reference only and the Contractor shall prepare detailed BBS prior to the execution of each and every component of Works to obtain the Engineer’s approval.</i> No claim and/or variation in the Accepted Contract Amount shall be admissible on account of rebar weights in the tables <i>and/or BBS provided in the Employer’s Requirements.</i> The Contractor shall follow the bar arrangement shown in the reinforcement drawings.									
26.	Addendum No. 01, Item No. 20, Column “Refer Para No.”, Page 9 of 18	<table border="1"> <thead> <tr> <th data-bbox="488 920 654 1010">Item No.</th> <th data-bbox="654 920 1227 1010">Refer Para No.</th> </tr> </thead> <tbody> <tr> <td data-bbox="488 1010 654 1214">20)</td> <td data-bbox="654 1010 1227 1214">Part 2, Section VI-2, Division 05000, Sub-Division 05050, Sub-Clause 2.1, Item d), Page 20 of 22 and Part-2, Section VI-2, Division 05050, Sub-Clause 2.1, Item f), Page 21 of 22</td> </tr> </tbody> </table>	Item No.	Refer Para No.	20)	Part 2, Section VI-2, Division 05000, Sub-Division 05050, Sub-Clause 2.1, Item d), Page 20 of 22 and Part-2, Section VI-2, Division 05050, Sub-Clause 2.1, Item f), Page 21 of 22		<table border="1"> <thead> <tr> <th data-bbox="1332 920 1498 1010">Item No.</th> <th data-bbox="1498 920 2114 1010">Refer Para No.</th> </tr> </thead> <tbody> <tr> <td data-bbox="1332 1010 1498 1214">20)</td> <td data-bbox="1498 1010 2114 1214">Part 2, Section VI-2, Division 05000, Sub-Division 05050, <i>Sub-Clause 12.2</i>, Item d), Page 20 of 22 and Part-2, Section VI-2, Division 05000, Sub-Division 05050, <i>Sub-Clause 12.2</i>, Item f), Page 21 of 22</td> </tr> </tbody> </table>	Item No.	Refer Para No.	20)	Part 2, Section VI-2, Division 05000, Sub-Division 05050, <i>Sub-Clause 12.2</i> , Item d), Page 20 of 22 and Part-2, Section VI-2, Division 05000, Sub-Division 05050, <i>Sub-Clause 12.2</i> , Item f), Page 21 of 22	
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27.	Entire Bidding Document	a) Best workmanship b) Best industry practice(s) c) Best engineering practice(s) d) Best international practice(s) e) Best current practice(s) f) Best construction practice(s) g) Best practice(s) in the trade h) Best trade practice(s) i) Best-practice solution(s) j) Best practice(s) k) Best international standard(s) and practice(s) l) Best industrial practice(s)	a) <i>Good</i> workmanship b) <i>Good</i> industry practice(s) c) <i>Good</i> engineering practice(s) d) <i>Proven</i> international practice(s) e) <i>Good</i> current practice(s) f) <i>Good</i> construction practice(s) g) <i>Good</i> practice(s) in the trade h) <i>Good</i> trade practice(s) i) <i>Good</i> practice solution(s) j) <i>Good</i> practice(s) k) <i>Proven</i> international standard(s) and practice(s) l) <i>Good</i> industrial practice(s)
28.	Part 3, Section VIII – Particular Conditions (PC), Part B – Specific Provisions, Sub-Clause 20.2, 1 st Para, Page 41 of 67	Disputes shall be referred to a DB for decision in accordance with Sub-Clause 20.4 [Obtaining Dispute Board’s Decision]. The Parties shall appoint a DB by the date stated in the Contract Data. The date may be changed if both the Parties agree, in writing, to change the date, up to one hundred eighty days after the Commencement Date.	Disputes shall be referred to a DB for decision in accordance with Sub-Clause 20.4 [Obtaining Dispute Board’s Decision]. The Parties shall appoint a DB by the date stated in the Contract Data. The date may be changed if both the Parties agree, in writing, to change the date, up to <i>three hundred and sixty-five</i> days after the Commencement Date.