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. 01

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: 07.02.2020

Loan Agreement No.: ID-P277 & ID-P279 IFB Number: Package No. MAHSR-C-1

Following are to be considered:



Item No.	Refer Para No.		Origi	nal/As Existing			Revised			
1.	Part 1, Section III – Evaluation and Qualification Criteria, Sub-Clause 4.2.5, Page	included in the Bidder's Technical Proposal as compared with key work volumes and the Bid Programme. The minimum criteria are			E	quipm ompare	equacy and appropriateness of ent included in the Bidder's Techned with key work volumes and the himum criteria are listed below.	nical Proposal as Bid Programme.		
	31 of 33	Sr. Equipment Type and Char-	Bidder's Pro- posal)- }-		Sr. No.	Equipment Type and Characteristics	Number required to assess the Bidder's capability		
		2	Transit Mixer	60				1	Batching plant (90 cum/hour)	3
		3	JCB/Excavator/Breaker	30		-		2	Transit Mixer	60
		4	Shotcreting machine	2				3	JCB/Excavator/Breaker	30
								4	Shotcreting machine	2
2.	Part 2, Section VI-1, Division 03000, Sub-Division 03010, Clause 1, Page 7 of 30	instruction facilit	ctions for the maintena	nce of infrastruct Contract as set for	e manuals providing detailed infrastructure and maintenance as set forth in Clause 13, Sub-ications "Maintenance Manuals" means the manuals providing detailed instructions for the maintenance of infrastructure and maintenance facilities included under the Contract.					
3.	Part 2, Section VI-1, Division 03000, Sub- Division 03010, Clause 1, Page 9 of 30	legally track, Emplo	t of Way" means the totally owned by the Employ viaduct, tunnel, station by the Owr	rer for the Project n, depot, facility, owned by the Emp	, to accomn property, e	nodate the etc. of the	ac pe	"Right of Way" means the land area of the Project, either acquired by the Employer or for which the Employer has the permission of the Stakeholder to construct works in their area. The Right of Way has been shown in ROW Ortho Map.		

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4.	Part 2, Section VI-1, Division 03000, Sub- Division 03020, Sub- Clause 5.1, 1 st and 2 nd Paragraph, Page 24 of 30	In addition to the Contractor's submittals referenced in Sub-Division 03020 Sub-Clause 2.0 [Submission Procedure], the Contractor shall implement a secure document control system such that all documents generated by the Contractor can be transmitted to the Engineer by electronic means (and vice versa) and that all documents generated by either party are electronically captured at the point of origin and can be reproduced later, electronically and in hard copy. The Engineer shall provide one user facility from his system to the Contractor for communication and for storing the documents.	system such that all drawings/documents related to the construction phase are well documented and archived, etc. The Contractor shall utilize the document control system being setup by the Employer such that all documents generated by the Contractor can be transmitted to the Engineer by electronic

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5.	Part 2, Section VI-1, Division 05000, Design Segment Table, Page 30 of 36	Temporary Works Geotechnical interpretation and design Temporary structures, decking for roads (if any), roads Fabrication, Transport, Erection and Removal Procedures Interaction with Permanent Works	related to different structures. • 3PVC is required for all Temporary Works at the Construction	Temporary Works			
6.	Part 2, Section VI-1, Division 08000, Appendix 08000-1, Sub-Clause 4.2.2, Page 26 of 149	Full height fence, barriers, barriers the Site to prevent the surrounding etc., which may cause inconvenient The barricade especially those aesthetically maintained by regularized by the Engineer. These shallowed.	ng from excavated soil, rubbish ence to and endanger the public. exposed to public shall be ular cleaning and painting as	Full height <i>steel barricading</i> shall be erected around the Site to prevent the surrounding from excavated soil, rubbish etc., which may cause inconvenience to <i>public and/or may</i> endanger the <i>safety of</i> the public. The barricading shall be aesthetically maintained by regular cleaning and painting as directed by the Engineer. These shall be maintained in one line and level.			

	ract. The Cont te including cutt ds and roots as e or. The cut mate and shall be dis at his own cost.	tractor shall be ting and removal existing shall also erial shall be the sposed of by the
iii) Toilets The Station shall provide separate toilets for male, female a differently abled passengers. Toilets shall be provided in paid concourse, unpaid concourse and business class loun. The toilets shall be designed based on the number passengers. The minimum number of sanitary fixtures in toil for passengers shall be as per Table-3A and sample pictures. Annexure 1 shall be used as a reference. Number of sanitary fixtures for staff toilets shall be as per Drawings. Table-3A: Minimum Number of Sanitary Fixtures Area Unpaid Concourse Concourse Station Mumbai Station Male Toilet Water Closet 8 4 Very Passin 12		e provided in the less class lounge. the number of fixtures in toilets ample pictures in umber of sanitary longs. Language Paid Concourse ai Station 8
	ble-3A: Minimum N Urinal	ble-3A: Minimum Number of Sanita Unpaid Concourse Mumber Urinal Urinal Water Closet Wash Basin Water Closet Water Closet

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9.	Part 2, Section VI-2, Division 05000, Sub- Division 05010, Sub- Clause 3.12.5, Item c), Page 41 of 43 (C6, A5, 3)	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.
10.	Part 2, Section VI-2, Division 05000, Sub- Division 05030, 2.1 .c), i), Page 20 of 77	i) SER shall be fed through AHU installed outside the room. SA and RA plenums with fire dampers shall be terminated on SER wall and further distribution inside the SER is not covered in this scope of work.	i) SER shall be fed through AHU installed outside the room. SA and RA <i>ducts</i> shall be terminated on SER wall and further distribution inside the SER is not covered in the scope of Works.
11.	Part 2, Section VI-2, Division 05000, Sub- Division 05030 2.1.c) ii), Page 20 and 21 of 77	ii)DSS, Rail ER, Battery room, Auxiliary Equipment Room and Wiring Room shall be fed through floor mounted AHU inside the room with air supply plenum and fire dampers.	ii) DSS, Rail ER, Battery room, Auxiliary Equipment Room and Wiring Room shall be fed through floor mounted AHU inside the room.
12.	Part 2, Section VI-2, Division 05000, Sub- Division 05030, Sub- Clause 2.1, Item d), Page 21 of 77	and cooling towers shall have redundancy with N+1 capacity to be run	Air conditioning plant major equipment, such as water and air-cooled chillers, condenser and chilled water pumps, make-up water pumps and cooling towers shall have redundancy with N+1 capacity to be run in cyclic order to optimize their operation time.

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13.	Part 2, Section VI-2, Division 05000, Sub- Division 05030, Sub- Clause 2.2.9, Item e), Page 30 of 77	Considering 24 x 7 operation requirement, all AHUs shall be equipped with a standby drive motor for fans. Provision in the AHU control panel shall be made for both motors to operate in cyclic manner to balance their operating hours. In the event of malfunctioning of any motor, automatically other drive should commence operation. Faulty motor shall be out of circuit and indication of the same shall be transmitted to the BMS. Redundancy of N+1 shall be provided for AHUs feeding critical areas as per para 1.4.1.B. Provision shall be made for mode of operation of AHUs and associated equipment through BMS.	Redundancy of N+1 shall be provided for AHUs which feed critical areas as per Sub-Clause 1.4.1 b). Provision shall be made for mode of operation of AHUs and associated equipment through BMS.
14.	Part 2, Section VI-2, Division 05000, Sub- Division 05030-2.2.10 e), Page 31 of 77	Considering 24 x 7 operation requirement, FAHUs shall be equipped with a standby drive motor for cool supply air fans. Provision in control panel shall be made for both motors to operate in cyclic manner to balance their operating hours. In the event of malfunctioning of any motor, automatically other drive should commence operation. Faulty motor shall be out of circuit and indication of the same shall be transmitted to the BMS. Provision shall be made for mode of operation of FAHUs through BMS.	Faulty drive motor shall be out of circuit and indication of the same shall be transmitted to the BMS. Provision shall be made for mode of operation of FAHUs through BMS.
15.	Part 2, Section VI-2, Division 05000, Sub- Division 05030 Sub- Clause 2.2.9, Item m), Page 31 of 77 and Sub-Clause 2.2.10, Item 1), Page 32 of 77		 <insert 2.2.10="" 2.2.9="" and="" following="" item="" l)="" m)="" of="" points="" sub-clause="" the="" under=""></insert> i) An interlock switch shall be provided on each access door to the UVC emitters or Ultraviolet Germicidal Irradiation (UVGI) lamps to switch off the lights when the access door is opened. Also, manual switch shall be provided to switch-off the UV lights during closure of access door for maintenance purpose. ii) Proper caution labels shall be installed on all access points to the Emitters when installed.

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16.	Part 2, Section VI-2, Division 05000, Sub- Division 05030, Sub- Clause 4.1.2, Item a), Page 35 and 36 of 77	Smoke exhaust system shall be designed to ensure safe evacuation of passengers within emergency evacuation time as per architectural planning (i.e. minimum six minutes or as approved) from the remotest end of platform to the point of safety in the event of fire.	evacuati per arch minutes	Smoke exhaust system shall be designed to ensure s evacuation of passengers within emergency evacuation time per architectural planning and NBC 2016 (i.e. within minutes or as approved) from the remotest end of platform the point of safety in the event of fire.			
17.	Part 2, Section VI-2, Sub-Division 05030 Sub-Clause 6.4.24, Item j), Page 58 of 77	j) Internet Protocol (IP) video cameras shall be provided in the car. IP video cameras display and record the passenger condition to station staff. The Contractor shall integrate the IP Video, Intercom and the CCTV system provided in Station office room.	j) Video cameras shall be provided in the car. Video cameras display and record the passenger condition to station staff. The Contractor shall connect video cameras to CCTV display & recorder that are provided in the Station Office Room. The CCTV display & recorder have been included in the scope of E-1 Package.				
18.	Part 2, Section VI-2, Division 05000, Sub-Division 05040, Sub- Clause 6.10.2, Page 11 of 58		m) Esse	•	I for Platform S	Screen Doors (to be I in the design @	
			S. No.	Station Name	No. of Track sides with PSD	Indicative PSD Electrical Load @ 48kVA/Track	
			1.	UG Station	06	288	
19.	Part 2, Section VI-2, Division 05000, Sub- Division 05050, Sub- Clause 2.1, 2 nd Para, Page 13 of 22	Municipal water received from Municipal Corporation/local authorities shall be fed into raw water storage tanks from which it will be transferred by filter feed pumps for suitable treatment as per IS: 10500. Post treatment, the water shall be allowed into fire water static storage	Corpora source a	tion/local author and the other fro all be stored in	rities, i.e., one fi m treated waste	ources of Municipal rom domestic supply water supply source as indicated in the	

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		tanks. The overflow from the tanks shall be fed into domestic water storage tanks.	The domestic water supply shall be fed into raw and domestic water storage tanks from which it will be transferred by filter feed pumps for suitable treatment as per IS: 10500. Post treatment, the domestic water shall be allowed into fire water static storage tanks. The overflow from the fire tanks shall be fed into treated domestic water storage tanks. The treated wastewater supply received from the Municipal Corporation/local authorities shall be fed into soft water storage tanks after necessary treatment and then supplied via pumps to the ECS cooling towers.
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	d) Water shall be drawn from fire reserve tanks by electrically operated Fire Mist pumps for water mist system (sprinkler pump and fire pump shall have a stand by electrical or diesel operated power supply). If multiple pumps are used, 1 No. stand by pump shall be provided. f) The firefighting system shall have a standalone diesel driven pump. The system shall be operable even in case of total electrical power or electrical pump failure.	d) Water shall be drawn from fire tanks by electrically operated Fire Mist pumps for water mist system (sprinkler pump and fire pump shall have a standby electrical pump and/or diesel driven pump, as approved by the local Fire Authority). If multiple pumps are used, 1 No. stand by pump shall be provided. f) The firefighting system shall have a standalone diesel driven pump if required. The system shall be operable even in case of total electrical power or electrical pump failure.
21.	Part 2, Section VI-2, Division 05000, Sub- Division 05050, Clause 10, 3 rd Para, Page 20 of 22	The train filling system shall be capable of filling the water storage in a train in 5 minutes.	The train filling system has to be capable of filling 8 tanks per train, each of 700 litres (approximately) capacity, in 5 minutes.

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22.	Part 2, Section VI-2, Division 05000, Sub-		<add 12.6="" after="" following="" sub-clause="" the=""> 12.7 Medium Velocity Open Nozzle Pump</add>
	Division 05050, Clause 12, Page 22 of 22		a) A Medium velocity system pump shall be installed for automatic/manual operation. A standby pump of same capacity shall be provided by electrical pump and/or diesel driven pump, as approved by the local Fire Authority.
			b) The pump pressure and its discharge rate shall be as per approved detailed design scheme from local fire authority.
			c) Pump shall be provided with soft starter or variable frequency drive starters or star delta starter for reducing the starting current.
			d) The Contractor shall submit design calculations and details regarding suitable capacity for obtaining the Engineer's approval.
23.	Part 2, Section VI-3, Division 02000,	4.10.1 Transporting	4.10.1 Transporting
	 Sub-Clause 4.10.1, Item b), Page 30 of 72 Sub-Clause 4.10.3, 	b) Transportation of concrete shall conform to IRS: CBC (CL. 8.1, 5.7), if not in contravention to the following provisions.4.10.3 Placing	b) Transportation of concrete shall conform to IS 4926 (CL. 5.2) for Ready Mix Concrete and IRS:CBC (CL 8.1) for other than Ready Mix Concrete, if not in contravention to the following provisions.
	Item f), Page 32 of 72	f) Concrete when delivered shall be maintained at a temperature of not more than 40°C as far as possible. It shall be compacted in its final	4.10.3 Placing
		position within 30 minutes of its discharge from the mixer or agitating transit mixer, unless carried in properly designed agitators, operating continuously, in which case this time may be within one hour of its discharge from the <i>mixer or</i> agitating transit mixers, subject to the Contractor's demonstration of adequate workability of such concrete.	f) Concrete when delivered shall be maintained at a temperature of not more than 40°C as far as possible. It shall be compacted in its final position within 30 minutes of its discharge from the mixer or agitating transit mixer, unless carried in properly designed agitators, operating continuously, in which case this time may be within one hour of its discharge

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			from such designed agitators, subject to the Contractor's demonstration of adequate workability of such concrete.
24.	Part 2, Section VI-3, Division 02000, Sub- Clause 4.15.8, Item g) to i) Page 38 of 72	 g) If cracks develop in concrete construction, which in the opinion of the Engineer may be detrimental to the strength of the construction, the Contractor, at his own cost, shall dismantle the construction, carry away the debris, replace the construction and carry out all consequential work thereto. h) If any cracks develop in the concrete construction, which in the opinion of the Engineer, are not detrimental to the stability of the construction, the Contractor shall rectify the work at his own risk and cost. The Contractor shall grout the cracks with polymer cement grout of approved quality, to the satisfaction of the Engineer. i) External crack width shall be restricted to 0.2 mm or less on all concrete structures, unless otherwise specified in the drawings. 	opinion of the Engineer, <i>are</i> detrimental to the strength/ <i>stability</i> of the construction, the Contractor, at his own cost, shall dismantle the construction, carry away the debris, replace the construction and carry out all consequential work thereto. h) If any cracks develop in the concrete construction, which in the opinion of the Engineer, are not detrimental to the <i>strength</i> /stability of the construction, the Contractor, at his own risk and cost shall rectify the work. <i>The Contractor shall repair the cracks 0.2mm or more by grouting or other methods. The approval of the Engineer shall be obtained for the method prior to repairing of the cracks.</i>
25.	Part 2, Section VI-3,		i) < Deleted> < Add the following item m) after existing item l)>
	Division 05000, Sub- Division 05010, Sub-Clause 1.1, Page 03 of 60		m) The Contractor shall submit a list of proposed brand names for all Architectural finishes to be used in the project as per best industrial practices, at the Detailed Design Phase after the award of contract. The proposed brands in the list must have been used in projects such as Metro Rail, Airports, 5-star hotels etc.



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26.	Part 2, Section VI-3. Division 05000, Sub- Division 05010, Sub- Clause 5.1.2, Item 1), Page 12 of 60	1) Hardtop Non-Metallic Monolith surface hardening compound (<i>Nitoflor or equivalent make</i>) shall be used. Execution shall be carried out as per manufacturer's Specifications.	compound sh	Hardtop Non-Metallic Monolith surface hardeni compound shall be used. Execution shall be carried out per manufacturer's specifications. <add 5.2.3="" after="" existing="" following="" sub-<="" sub-clause="" td="" the=""></add>			
27.	Part 2, Section VI-3, Division 05000, Sub- Division 05010, Sub- Clause 5.2, Page 14 of 60		<add 5.2.2="" clause="" follow="" the=""> 5.2.3. Selection The quantity of categories based location of grace Commonly used with application below. Category 1 - 65% Grey Granite (Karnataka/Andhra) Sadar Ali Commando Grey Premium Grey Grey - Viscent White,</add>	of Granite Granite to be don the colouranites as men dindustry name	used in station r selection, qu tioned in the es of different	n shall be of 4 ality and mine table below. Granites along	

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28.	Part 2, Section VI-3, Division 05000, Sub-Division 05010, Sub-Clause 5.4, Page 15 of 60	5.4 Vitrified Tile 5.4.1 Requirements 2) Thickness: 8 mm to 16 mm (as per drawing).	Engineer. Fo toilets, nurser	Hassan Green (Karnataka) Colonial White (Rajasthan) ntage quantity of proximate and is Engineer.	Blue Lavender (Orissa) Lakha Red (Karnataka) of each category subject to char along the along	n depending on pproval of the office lounges, g applications,		

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29.	Part 2, Section VI-3, Division 05000, Sub- Division 05010, Sub- Clause 10.1.2, Item 5) Bullet points, Page 28 of 60	5) Fixing: Sheets shall be fixed to roof purlins and side runners at crest as per manufacturer's recommendation and water tightness provisions using polymer coated galvanized hexa head self-drilling self-tapping (SDST) screws with sealing tapes and screw fasteners with the following properties: a) Case Hardener Carbon steel AISI11018/10B21 b) Screw diameter 5.5 mm (In case of Stitching 4.8 mm) c) Metal Bonded EPDM Washer 2-3 mm width 16MM Diameter (In case of stitching 14mm diameter) d) Organic/Geomet/Dorken/Xylin coating insuring 1000-hour salt spry life e) EOTA approved. The sheets shall be bent to required curved profile and fixed with Trimdek or equivalent rib & flute.	5) Fixing: Sheets shall be fixed to roof purlins and side runners at crest as per manufacturer's recommendation and water tightness provisions using polymer coated galvanized hexa head self-drilling self-tapping (SDST) screws with sealing tapes and screw fasteners with the following properties: a) Case Hardener Carbon steel AISI11018/10B21 b) Screw diameter 5.5 mm (In case of Stitching 4.8 mm) c) Metal Bonded EPDM Washer 2-3 mm width 16mm Diameter (In case of stitching 14mm diameter) d) Organic coating ensuring 1000-hour salt spray life e) EOTA approved. The sheets shall be bent to required curved profile and fixed with rib & flute.
30.	Part 2, Section VI-3, Division 05000, Sub- Division 05010, Sub- Clause 17.1.2, Page 52 of 60	17.1.2 Technical Data 2) Compliance to PSA MOB PF2 PS/SPU and CISCA standard	17.1.2 Technical Data 2) Panel shall be as per IS 2046 or BS EN 438, whichever is the most stringent.
31.	Part 2, Section VI-3, Division 05000, Sub- Division 05030, Sub- Clause 2.2.9.16, Item c), Page 33 of 57	A standby motor shall be provided to take on the load in case of failure of one drive motor. Both motors shall run in cyclic order periodically.	<deleted></deleted>

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32.	Part 2, Section VI-3, Division 05000, Sub- Division 05030 2.2.14.2, Page 37 of 57		<insert after="" b)="" following="" item="" points="" the=""> c) Mounting plate shall be of steel, square shaped with streamlined venturi inlet coated with baked enamel paint. d) Fan blades and hub assembly shall be statically and dynamically balanced at the manufacturer's works. Motor shall be totally enclosed, standard permanent split capacitor type or shaded pole type (for small sizes), having pre-lubricated sleeve or ball bearings.</insert>
33.	Part 2, Section VI-3, Division 05000, Sub- Division 05040, Sub-Clause 9.17, Item b) vii), Page 15 of 74	Labels shall not be less than 45mm high. Lettering shall be of not less than mmm high. All labels shall be securely fixed to the panels by bolts and nuts.	Labels shall not be less than 45mm high. Lettering shall be of not less than 10mm high. All labels shall be securely fixed to the panels by bolts and nuts.
34.	Part 2, Section VI-3, Division 05000, Sub-Division 05040, Sub-Clause 12.2.1(b), Page 26 of 74	Noise emanating from the UPS during operation shall not exceed 55 dBA at 1.5 m from the enclosure, over a load range of 10% to 100% of the rated full load, as per the standards ISO 3746.	
35.	Part 2, Section VI-3, Division 05000, Sub-Division 05040, Sub-Clause 12.8.2(k), Page 32 of 74	Frequency slew rate: 2 Hz/second minimum maximum.	<deleted></deleted>

tem No.	Refer Para No.	Original/As Existing	Revised
	Part 2, Section VI-3, Division 05000, Sub- Division 05040, Clause 22, Item b), Page 74 of 74	The Contractor shall propose at least three reputed manufacturer / makes having minimum 3 years successful operation in related service of metro, railway or airport projects for approval of the Engineer. Each equipment technical details and experience credentials shall be submitted along with proposed quantities for Station.	The Contractor shall propose at least three reputed manufacturers/makes having a minimum of 3 years of successful operation in related service in Metro Rail or Airport projects for approval of the Engineer. Each type of equipment, together with their technical details and operational performance, shall be submitted along with proposed quantities for Station.
	Part-2, Section VI-3, Division 05000, Sub- Division 05050, Sub- Clause 5.9, Item a), Page 29 of 32	A low pressure water mist sprinkler system pump shall be installed with an electric pressure switch for automatic operation. A standby pump of same capacity shall be provided by alternative power source, i.e., backup diesel generator.	A low-pressure water mist sprinkler system pump shall be installed with an electric pressure switch for automatic operation. A standby electrical pump and/or diesel driven pump of same capacity shall be provided as approved by the local Fire Authority.
	Part-2, Section VI-4, Drawings		<the all="" be="" conjunction="" drawings="" following="" in="" notes="" read="" shall="" the="" with=""></the>
			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 2: The dimensions of breakthrough in TBM temporary wall are indicative and the exact dimensions shall be ascertained from C-2 contractor by necessary interface.
			Note 3: Wherever there is a mismatch between Basic Design Drawings and Structural Design Drawings included in the Employer's Requirements, the Contractor shall develop detailed Architectural and MEP Design Drawings based on the
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			Structural Design Drawings (except for the cut-outs, which shall be modified as per Sub-Clause 1.3.3 of GS 05010.), maintaining the basic intent of the Architectural Design Drawings. No claim whatsoever shall be payable to the Contractor on account of such mismatches, which include, but are not limited to the following: a) Dimensions and/or locations of various items such as:
			 i) Floor-to-floor heights; ii) Structural elements like beams, columns, slabs etc.; and iii) Skylight. b) The size of the skylight between grids X17 to X21 shall be read as 50m x 20.4m instead of 50m x 41.04m in all the Drawings. c) West Entry/Exit structure has been designed as RCC framed structure as shown in the Structural Drawings. The detailed design of the architectural works in the West Entry/Exit structure shall be designed maintaining the basic intent of the Architectural Design Drawings as of East Entry/Exit structure (which is to be designed as steel structure frame by the Contractor).
39.	Part 2, Section VI-4, 03_Architectural, Structural and Signage, Dwg. No. BD-JIC-C14-DRW- S01-STA-NTU- 02213-000		<add "note"="" following="" in="" point="" the=""> The capacity of water tanks shall be as given in DRC 05050.</add>

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Item No.	Refer Para No.	Original/As Existing	Revised
40.	Part 2, Section VI-5, Attachment 5 – ROW Ortho Map		<the been="" has="" map="" ortho="" revised="" row=""> Refer Attachment No. 01.</the>
41.	Part 2, Section VI-4, Drawings		Replaced with "New List of Drawings" issued in Attachment No. 02. 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'. Note that only those drawings that have been revised or newly added are enclosed in Attachment. Attachment may be downloaded by the Bidders, who have purchased the Bid Document, through the link provided to the respective Bidders.
42.	Part 2, Section VI-4, Drawings, Template	Project Mumbai-Ahmedabad High Speed Rail Project (Package No. MAHSR-C-1) OWNER JACA Study Team Japan International Consultants for Transportation NIPPON KOEI ORIENTAL CONSULTANTS GLOBAL	Project Mumbai-Ahmedabad High Speed Rail Project Mumbai-Ahmedabad High Speed Rail Project (Package No MAHSR-C-1) NATIONAL HIGH SPEED RAIL CORPORATION LTD. ORIENTAL CONSULTANTS GLOBAL
43.	Part-3, Section VIII, Part-B, PC, Sub- Clause 4.25, 3 rd Para, Page 21 of 67	The Contractor shall apply, by notice to the Engineer, for a Milestone Certificate not earlier than 14 days before the works of a Milestone will, in the Contractor's opinion, be complete. The Engineer shall within 28 after receiving the Contractor's notice:	The Contractor shall apply, by notice to the Engineer, for a Milestone Certificate not earlier than 14 days before the works of a Milestone will, in the Contractor's opinion, be complete. The Engineer shall within 28 days after receiving the Contractor's notice: