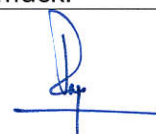


Name of Work: Two Laning of Imphal-Moreh Section of NH 39 (package-II) from Km 350.00 to Km 395.680 in the state of Manipur-
Corrigendum-III -Reg.

Corrigendum No. III

Sl. No	Reference of RFP	Clause no.	Existing Provisions	Modified Provisions
1	IFB & RFP	Schedule of Bidding Process	<p>BID document can be viewed/ downloaded end date: 15.11.2017 up to 1500 hours</p> <p>Bid submission last day Online: 15.11.2017 up to 1500 hours</p> <p>Physical submission end date: 17.11.2017 up to 1500 hours</p> <p>Technical Opening of bids: 17.11.2017 up to 1530 hours</p>	<p>BID document can be viewed/ downloaded end date: 22.11.2017 up to 1500 hours</p> <p>Bid submission last day Online: 22.11.2017 up to 1500 hours</p> <p>Physical submission end date: 24.11.2017 up to 1500 hours</p> <p>Technical Opening of bids: 24.11.2017 up to 1530 hours.</p>
2.	Draft Contract Agreement	Annex-IV Of Schedule-A	<p>Environmental Clearances</p> <p>To be filled by the Environment Consultant Appointed by ADB</p>	<p style="text-align: center;">Environmental Clearances</p> <p>The Project Highway does not require the environment clearance as per MoEF circular dated 22.08.2013. In addition, the stage 1 clearance is applied online dated 12.08.2016 which is likely to be received shortly The amount will be deposited with MoEF for final approval on receipt of stage-I clearance. Temporary working permission will be ensured before appointed date. All conditions imposed by MoEF while issuing the approval in principle (AIP) and final forest clearance (FC) to be adhered during construction stage and after construction stage are to be complied with.</p> <p>The muck dumping sites in forest stand identified and freezed by forest department to be abided by agency during dumping of muck.</p>



Sl. No	Reference of RFP	Clause no.	Existing Provisions	Modified Provisions																																
3	Annex-I of Schedule B	Clause 2.2	2.2 Design speed: The design speed shall be as per the alignment plan enclosed in Annexure II of Schedule -A.	2.2 Design speed: The design speed shall be as per the alignment plan enclosed in Annexure III of Schedule -A.																																
4	Section 2 - Bid Data Sheet	ITB 19.3	The bid security shall be, in the following form, valid up to 09.03.2018.	The bid security shall be, in the following form, valid up to 19.04.2018.																																
5	Draft Contract Agreement	Article 19 Cl.19.10.4	BO = The official retail price of bitumen at the nearest refinery at [Panipat] on the Base Date. BI = The official retail price of bitumen at nearest refinery at [Panipat] , on the first day of the month three months prior to the month to which the IPC relates.	BO = The official retail price of bitumen at the nearest refinery at [Haldia, West Bengal] on the Base Date. BI = The official retail price of bitumen at nearest refinery at [Haldia, West Bengal] , on the first day of the month three months prior to the month to which the IPC relates																																
			FO = The official retail price of high speed diesel (HSD) oil at the existing consumer pumps of Indian Oil Corporation ("IOC") in the State of [Haryana] on the Base Date. FI = The official retail price of HSD at the existing consumer pumps of IOC in the State of [Haryana] on the first day of the month three months prior to the month to which the IPC relates.	FO = The official retail price of high speed diesel (HSD) oil at the existing consumer pumps of Indian Oil Corporation ("IOC") in the State of [Manipur] on the Base Date. FI = The official retail price of HSD at the existing consumer pumps of IOC in the State of [Manipur] on the first day of the month three months prior to the month to which the IPC relates.																																
			LO = The consumer price index for industrial workers for the [circle **** in the State of Uttar Pradesh], published by Labour Bureau, Ministry of Labour, Government of India, (hereinafter called "CPI") for the month of the Base Date.	LO = The consumer price index for industrial workers for the [circle **** in the State of Manipur] , published by Labour Bureau, Ministry of Labour, Government of India, (hereinafter called "CPI") for the month of the Base Date.																																
6	Draft Contract Agreement	Clause 6.0 Roadside Drainage of Schedule B	6.0 Roadside Drainage <table><tr><th rowspan="2">S. No</th><th rowspan="2">Built-up Town</th><th colspan="2">Design Chainage (Km)</th><th rowspan="2">Side</th><th rowspan="2">Length (m)</th><th rowspan="2">TCS Type</th></tr><tr><th>From</th><th>To</th></tr><tr><td colspan="7">NIL</td></tr></table>	S. No	Built-up Town	Design Chainage (Km)		Side	Length (m)	TCS Type	From	To	NIL							6.0 Roadside Drainage <table><tr><th rowspan="2">S. No</th><th rowspan="2">Built-up Town</th><th colspan="2">Design Chainage (Km)</th><th rowspan="2">Side</th><th rowspan="2">Length (m)</th><th rowspan="2">TCS Type</th></tr><tr><th>From</th><th>To</th></tr><tr><td>1</td><td>VUP Approach</td><td>359+6 10</td><td>360+5 30</td><td>Both Side</td><td>920</td><td>8</td></tr></table>	S. No	Built-up Town	Design Chainage (Km)		Side	Length (m)	TCS Type	From	To	1	VUP Approach	359+6 10	360+5 30	Both Side	920	8
			S. No			Built-up Town	Design Chainage (Km)				Side	Length (m)	TCS Type																							
From	To																																			
NIL																																				
S. No	Built-up Town	Design Chainage (Km)		Side	Length (m)	TCS Type																														
		From	To																																	
1	VUP Approach	359+6 10	360+5 30	Both Side	920	8																														
7	Draft Contract Agreement	Clause 2 of Schedule-D "Specifications and	Manual of Standards & Specification for Four Laning of Highways (IRC: SP-84-2014) referred to herein as the Manual.	Two Lane Manual (IRC: SP 73 – 2015) of Specifications and Standards for Two Laning published by IRC and Hill Road Manual IRC SP 48:1998																																

Sl. No	Reference of RFP	Clause no.	Existing Provisions				Modified Provisions			
		Standard”								
8	Draft Contract Agreement	Clause 1 of Annex-I of Schedule-D “Specifications and Standard”	1. Specifications and Standard All materials, works and construction operation shall conform to the Manual of Standards..... to the satisfaction of the Authority Engineer.				1. Specifications and Standard The project highway including Project facilities shall conform to design requirements set out in the following documents: Two Lane Manual (IRC: SP 73 – 2015) of Specifications and Standards for Two Laning published by IRC and Hill Road Manual IRC SP 48:1998.			
9	Draft Contract Agreement	Clause 2 of Annex-I of Schedule-D “Specifications and Standard”	2. Deviations from the specifications and standards				2. Deviations from the specifications and standards			
			Sl. No	Clause No.	Description	Deviation	Sl. No	Clause No.	Description	Deviation
			1	Clause 2.1	General: Provision of Four lane divided carriageway through built up areas	Lane configuration and width of carriageway shall be provided as per the Typical cross sections given in Schedule B	1	Clause 2.1	General: Provision of Two lane	Lane configuration and width of carriageway shall be provided as per the Typical cross sections given in Schedule B
10	Draft Contract Agreement	Schedule -H	Schedule-H				Modified Schedule-H (Annexure-AA)			
11	Draft Contract Agreement	Schedule-A	Annex-II				Modified Annex-II (placed at Annexure-BB)			

Sl. No	Reference of RFP	Clause no.	Existing Provisions	Modified Provisions
12	Draft Contract Agreement	Clause 12.1(i) of Annex-I of Schedule B	12.1 (i) The Minimum quantity of protection work may be taken as below:	12.1 (i) The Minimum quantity of protection work may be taken as below:
			Type of Protection Work	Type of Protection Work
			Protection Work	Protection Work
			Unit	Unit
			Quantity	Quantity
			1. Parapet Wall/ Toe Wall	1. Parapet Wall/ Toe Wall
			Rm	Rm
				NIL
			2. Breast wall with PCC	2. Breast wall with PCC
			Rm	Rm
				18830
			3. Breast wall sausage type by gabioni Specialized treatment for slide protection as specified above-	3. Breast wall sausage type by gabioni Specialized treatment for slide protection as specified above-
			Rm	Rm
				NIL
			4. Retaining Wall with PCC	4. Retaining Wall with PCC
			Rm	Rm
				700
			5. Catch water drain	5. Catch water drain
			Rm	Rm
			6. Vetiver Plantation, Hydro Seeding and Hydro Mulching etc. including nets if required or similar works are to be done for slope protection and site mitigation measure upto a height of 12-15 m all along the slopes in each cutting locations except hard rock location which needs to be protected with appropriate applicable technologies, if required.	6. Vetiver Plantation, Hydro Seeding and Hydro Mulching etc. including nets if required or similar works are to be done for slope protection and site mitigation measure upto a height of 12-15 m all along the slopes in each cutting locations except hard rock location which needs to be protected with appropriate applicable technologies, if required.
				sq.m
				317650


Col Rajeev Sood (Retd)
GM (Tech), NHIDCL

SCHEDULE - H
(See Clauses 10.1.4 and 19.3)

Contract Price Weightages

- 1.1 The Contract Price for this Agreement is Rs. *****
- 1.2 Proportions of the Contract Price for different stages of Construction of the Project Highway shall be as specified below:

Item	Weightage in Percentage to the Contract Price	Stage for Payment	Percentage Weightage
1	2	3	4
Road works including Culverts, widening and repair of culverts	74.07	A- Widening and strengthening of existing road	
		(1) Earthwork up to top of the sub-grade	37.14
		(2) Sub Base Course	9.68
		(3) Non Bituminous Base Course	14.87
		(4) Bituminous Base Course	16.93
		(5) Wearing Coat	8.18
		(6) Widening and repair of culverts	0.00
		B.1- Reconstruction/New 4-lane realignment/bypass (Flexible Pavement)	
		(1) Earthwork up to top of the sub-grade	0.00
		(2) Sub Base Course	0.00
		(3) Non Bituminous Base Course	0.00
		(4) Bituminous Base Course	0.00
		(5) Wearing Coat	0.00
		B.2- Reconstruction/New 4-lane realignment/ bypass (Rigid Pavement)	
		(1) Earthwork up to top of the sub-grade	0.00

		(2) Sub Base Course (3) Dry Lean Concrete (DLC) Course (4) Pavement Quality Control (PQC) Course C.1- Reconstruction/New Service road (Flexible Pavement) (1) Earthwork up to top of the sub-grade (2) Sub Base Course (3) Non Bituminous Base Course (4) Bituminous Base Course (5) Wearing Coat C.2- Reconstruction/New Service road (Rigid Pavement) (1) Earthwork up to top of the sub-grade (2) Sub Base Course (3) Dry Lean Concrete (DLC) Course (4) Pavement Quality Control (PQC) Course D- Reconstruction and New Culverts on Existing Road, Realignments, Bypasses: Culverts (Length < 6)	0.00 0.00 0.00 0.38 0.24 0.35 0.19 0.12 0.00 0.00 0.00 0.00 11.92
Minor Bridges/ Underpasses/ Overpasses	2.04	A.1- Widening and Repair of Minor Bridges (Length > 6m and < 60m) Minor Bridges A.2- New Minor Bridges (Length > 6m and < 60m) (1) Foundation and Substructure: On completion of the foundation work including foundations for wing and	16.63 0.00

		return walls, abutments, piers up to the abutment/pier cap.	
		(2) Superstructure: On completion of the superstructure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs & markings, tests on completion etc., complete in all respect.	0.00
		(3) Approaches: On completion of the approaches including Retaining walls, stone pitching, protection works complete in all respect and fit for use.	0.00
		(4) Guide Bunds and River Training Works: On completion of Guide Bunds and River Training Works complete in all respect.	0.00
		B.1- Widening and Repair of Underpasses/Overpasses	
		Underpasses/Overpasses	0.00
		B.2- New Underpasses / Overpasses	
		(1) Foundation and Substructure: On completion of the foundation work including foundations for wing and return walls, abutments, piers up to the abutment/pier cap.	16.87
		(2) Superstructure: On completion of the superstructure in all respects including wearing	6.97

		<p>coat, bearings, expansion joints, hand rails, crash barriers, road signs & markings, tests on completion etc., complete in all respect.</p> <p>Wearing Coat (a) in case of Overpass- wearing coat including expansion joints complete in all respects as specified and (b) in case of Underpass- Rigid pavement including drainage facility complete in all respects as specified.</p> <p>(3) Approaches: On completion of the approaches including Retaining walls/ Reinforced Earth walls, stone pitching, protection works complete in all respect and fit for use.</p>	59.53
Major Bridge (Length > 60m) works and ROB / RUB / Elevated Sections / Flyovers including viaducts, if any	0.00	<p>A.1- Widening and repairs of Major Bridges</p> <p>(1) Foundation 0.00</p> <p>(2) Substructure 0.00</p> <p>(3) Superstructure (including bearings) 0.00</p> <p>(4) Wearing Coat including expansion joints 0.00</p> <p>(5) Miscellaneous Items like hand rails, crash barriers, road markings etc., 0.00</p> <p>(6) Wing walls / return walls 0.00</p> <p>(7) Guide Bunds, River Training Works etc., 0.00</p> <p>(8) Approaches (including Retaining Walls, stone pitching and protection works) 0.00</p> <p>A.2- New Major Bridges</p> <p>(1) Foundation 0.00</p> <p>(2) Substructure 0.00</p> <p>(3) Superstructure (including</p>	0.00

		bearings)	
		(4) Wearing Coat including expansion joints	0.00
		(5) Miscellaneous Items like hand rails, crash barriers, road markings etc.,	0.00
		(6) Wing walls / return walls	0.00
		(7) Guide Bunds, River Training Works etc.,	0.00
		(8) Approaches (including Retaining Walls, stone pitching and protection works)	0.00
		B.1- Widening and repair of	
		(a) ROB &	
		(b) RUB	
		(1) Foundation	0.00
		(2) Substructure	0.00
		(3) Superstructure (including bearings)	0.00
		(4) Wearing coat: (a) in case of ROB-wearing coat including expansion joints complete in all respects as specified and (b) in case of RUB-Rigid pavement under RUB including drainage facility complete in all respects as specified	0.00
		(5) Miscellaneous Items like hand rails, crash barriers, road markings etc.,	0.00
		(6) Wing walls / return walls	0.00
		(7) Approaches (including Retaining Walls, stone pitching and protection works)	0.00
		B.2- New ROB / RUB	
		(a) ROB &	
		(b) RUB	
		(1) Foundation	0.00
		(2) Substructure	0.00
		(3) Superstructure (including bearings)	0.00

		(4) Wearing coat: (a) in case of ROB-wearing coat including expansion joints complete in all respects as specified and (b) in case of RUB-Rigid pavement under RUB including drainage facility complete in all respects as specified	0.00
		(5) Miscellaneous Items like hand rails, crash barriers, road markings etc.,	0.00
		(6) Wing walls / return walls	0.00
		(7) Approaches (including Retaining Walls, stone pitching and protection works)	0.00
		C.1- Widening and repair of Elevated Section/Flyover/ Grade Separators	
		(1) Foundation	0.00
		(2) Substructure	0.00
		(3) Superstructure (including bearings)	0.00
		(4) Wearing Coat including expansion joints	0.00
		(5) Miscellaneous Items like hand rails, crash barriers, road markings etc.,	0.00
		(6) Wing walls / return walls	0.00
		(7) Approaches (including Retaining Walls, stone pitching and protection works)	0.00
		C.2- New Elevated Section/ Flyover/ Grade Separators	
		(1) Foundation	0.00
		(2) Substructure	0.00
		(3) Superstructure (including bearings)	0.00
		(4) Wearing Coat including expansion joints	0.00
		(5) Miscellaneous Items like hand rails, crash barriers, road markings etc.,	0.00

		(6) Wing walls / return walls	0.00
		(7) Approaches (including Retaining Walls, stone pitching and protection works)	0.00
Other works	23.89	(i) Toll Plaza	0.00
		(ii) Road side drains	5.78
		(iii) Road signs, markings, km stones, safety devices,	6.05
		(iv) Project facilities	
		(a) Bus Bays	1.41
		(b) Truck Lay-Byes	0.00
		(c) Rest Areas	0.00
		(d) Others	0.00
		(v) Road side plantation	0.00
		(vi) Repair of protection works other than approaches to the bridges, elevated sections / flyovers / grade separators and ROB/RUBs	0.00
		(vii) Safety & traffic management during construction	5.27
		(viii) Retaining wall	72.42
		(ix) Miscellaneous	9.07

1.3 Procedure of estimating the value of work done

1.3.1 Road works

Procedure for estimating the value of road work done shall be as follows:

Table 1.3.1

Stage of Payment	Percentage Weightage	Payment Procedure
A Widening & Strengthening of existing road		
(1) Earthwork up to top of the sub-grade	37.14	Unit of measurement is linear length. Payment of each stage shall be made on pro rata basis on completion of a stage in a length of not less than 10 (ten) percent of the total length.
(2) Sub-Base Course	9.68	
(3) Non Bituminous Base Course	14.87	
(4) Bituminous Base Course	16.93	
(5) Wearing Coat	8.18	
(6) Widening and repair of	0.00	Cost of completed culverts shall

culverts		be determined pro rata with respect to the total number of culverts. Payment shall be made on the completion of atleast five culverts.
B.1 Reconstruction / New 4-lane realignment / bypass (Flexible Pavement)		
(1) Earthwork up to top of the sub-grade	0.00	Unit of measurement is linear length. Payment of each stage shall be made on pro rata basis on completion of a stage in full length or 5 (five) km length which ever less.
(2) Sub Base Course	0.00	
(3) Non-Bituminous Course	0.00	
(4) Bituminous Base Course	0.00	
(5) Wearing Coat	0.00	
B.2 Reconstruction / New 4-lane realignment / bypass (Rigid Pavement)		
(1) Earthwork up to top of the sub-grade	0.00	Unit of measurement is linear length. Payment of each stage shall be made on pro rata basis on completion of a stage in full length or 5 (five) km length which ever less.
(2) Sub Base Course	0.00	
(3) Dry Lean Concrete (DLC) Course	0.00	
(4) Pavement Quality Control (PQC) Course	0.00	
C.1 Reconstruction / New Service Road (Flexible Pavement)		
(1) Earthwork up to top of the sub-grade	0.38	Unit of measurement is linear length. Payment of each stage shall be made on pro rata basis on completion of a stage in full length or 5 (five) km length which ever less.
(2) Sub Base Course	0.24	
(3) Non-Bituminous Course	0.35	
(4) Bituminous Base Course	0.19	
(5) Wearing Coat	0.12	
C.2 Reconstruction / New Service Road (Rigid Pavement)		
(1) Earthwork up to top of the sub-grade	0.00	Unit of measurement is linear length. Payment of each stage shall be made on pro rata basis on completion of a stage in full length or 5 (five) km length which ever less.
(2) Sub Base Course	0.00	
(3) Dry Lean Concrete (DLC) Course	0.00	
(4) Pavement Quality	0.00	

Control (PQC) Course		
D. Reconstruction and New Culverts on existing road, realignments and bypasses:		Cost of each culvert shall be determined on pro rata basis with respect to the total number of culverts. Payment shall be made on the completion of five culverts.
(1) Culverts (Length < 6m)	11.92	

@. For example, if the total length of bituminous work to be done is 100 km, the cost per km of bituminous work shall be determined as follows:

Cost per km = P x Weightage for road work x Weightage for bituminous work x (1/L)

Where P= Contract Price

L = Total length in km

Similarly, the rates per km for stages (1), (2) and (4) above shall be worked out.

Note: The length of affected due to law and order problems or litigation during execution due to which the contractor is unable to execute the work, may be deducted from the total project length for payment purposes. The total length calculated here is only for payment purposes and will not affect and referred in other clauses of the Contract Agreement.

1.3.2 Minor Bridges and Underpasses / Overpasses

Procedure for estimating the value of Minor Bridges and Underpasses / Overpasses shall be as stated in table 1.3.2:

Table 1.3.2

Stage of Payment	Weightage	Payment Procedure
A.1 Widening and repairs of Minor Bridges (Length > 6m and < 60m)	16.63	Cost of each Minor Bridge shall be determined on pro-rata basis with respect to the total linear length of the minor bridges. Payment shall be made on completion of widening and repair works of minor bridge.
A.2 New Minor Bridges (i) Foundation+Substructure: On completion of the foundation work including foundations for wing and return walls, abutment and piers up to abutment / pier cap	0.00	(i) Foundation and Substructure: Cost of each minor bridge shall be determined on pro rata basis with respect to the total linear length (m) of the minor bridges. Payment against foundation + substructure shall be made on pro rata basis on completion of stage i.e not less than 25% of the scope of foundation + substructure of each bridge subject to completion of

<p>(ii) Superstructure: On completion of the superstructure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs & markings, tests on completion etc., complete in all respects.</p> <p>(iii) Approaches: On completion of approaches including retaining walls, stone pitching, protection works complete in all respects & fit for use</p> <p>(iv) Guide Bunds and River Training Works: On completion of Guide Bunds and River Training works complete in all respects</p>	<p>0.00</p> <p>0.00</p> <p>0.00</p>	<p>atleast two foundations along with substructure up to abutment / pier cap level of each bridge. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.</p> <p>(ii) Superstructure: Payment shall be made on pro rata basis on completion of a stage i.e completion of superstructure of atleast one span in all respects as specified in the column of "Stage Payment" in this sub clause.</p> <p>(iii) Approaches: Payment shall be made on pro rata basis on completion of a stage i.e completion of approaches in all respect as specified in the column of "Stage Payment" in this sub clause.</p> <p>(iv) Guide Bunds and River Training Works: Payment shall be made on pro rata basis on completion of a stage i.e completion of Guide Bunds and River Training Works in all respects as specified.</p>
<p>B.1 Widening and repairs of Underpasses / Overpasses</p>	<p>0.00</p>	<p>Cost of each Underpass / Overpass shall be determined on pro rata basis with respect to the total linear length of the Underpasses / Overpasses. Payment shall be made on the completion of widening & repair works of a Underpass / Overpass.</p>
<p>B.2 New Underpasses / Overpasses</p> <p>(i) Foundation+Substructure: On completion of the foundation work including foundations for wing and return walls, abutment and</p>	<p>16.87</p>	<p>(i) Foundation and Substructure: Cost of each Underpass/Overpass shall be determined on pro rata basis with respect to the total linear length (m) of the Underpass/ Overpass. Payment against foundation + substructure shall be made on pro</p>

<p>piers up to abutment / pier cap</p>		<p>rata basis on completion of stage i.e not less than 25% of the scope of foundation + substructure of each Underpass / Overpass subject to completion of at least two foundations along with substructure up to abutment / pier cap level of each Underpass / Overpass.</p> <p>In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.</p>
<p>(ii) Superstructure: On completion of the superstructure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs & markings, tests on completion etc., complete in all respects.</p> <p>Wearing Coat (a) in case of Overpass-wearing coat including expansion joints complete in all respects as specified and (b) in case of Underpass-Rigid pavement including drainage facility complete in all respects as specified.</p>	6.97	<p>(ii) Superstructure: Payment shall be made on pro rata basis on completion of a stage i.e completion of superstructure of at least one span in all respects as specified in the column of "Stage Payment" in this sub clause.</p>
<p>(iii) Approaches: On completion of approaches including Retaining walls/ Reinforced Earth Walls, stone pitching, protection works complete in all respects & fit for use</p>	59.93	<p>(iii) Approaches: Payment shall be made on pro rata basis on completion of a stage i.e completion of approaches in all respect as specified.</p>

1.3.3 Major Bridge works and ROB/RUB and Structures

Procedure for estimating the value of Major Bridge works and of ROB/RUB and Structures shall be as stated in table 1.3.3:

Table 1.3.3

Stage of Payment	Weightage	Payment Procedure
A.1 Widening and repairs of Major Bridges		
(i) Foundation	0.00	<p>(i) Foundation: Cost of each Major Bridge shall be determined on pro rata basis with respect to the total linear length (m) of the Major Bridge.</p> <p>Payment against foundation shall be made on pro rata basis on completion of stage i.e not less than 25% of the scope of foundation of the Major Bridge subject to completion of atleast two foundations the major bridge.</p> <p>In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.</p>
(ii) Substructure	0.00	<p>(ii) Substructure: Payment against Substructure shall be made on pro rata basis on completion of stage i.e not less than 25% of the scope of Substructure of the Major Bridge subject to completion of atleast two Substructures up to abutment / pier cap level of the major bridge.</p>
(iii) Superstructure (including bearings)	0.00	<p>(iii) Superstructure: Payment shall be made on pro rata basis on completion of a stage i.e completion of superstructure including bearings of atleast one span in all respects as specified.</p>
(iv) Wearing Coat including Expansion Joints	0.00	<p>(iv) Wearing Coat: Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.</p>
(v) Miscellaneous Items like hand rails, crash barriers, road markings etc.,	0.00	<p>(v) Miscellaneous: Payments shall be made on completion of all miscellaneous works like hand rails, crash barriers, road markings etc., complete in all respects as specified.</p>

(vi) Wing Walls / Return Walls	0.00	(vi) Wing Walls / Return Walls: Payments shall be made on completion of all wing walls / return walls complete in all respects as specified.
(vii) Guide Bunds, River Training Works	0.00	(vii) Guide Bunds, River Training Works: Payments shall be made on completion of all Guide Bunds, River Training works etc., complete in all respects as specified.
(viii) Approaches (including Retaining Walls, stone pitching and protection works)	0.00	(viii) Approaches: Payments shall be made on completion of both approaches including stone pitching, protection works, etc., complete in all respect as specified.
A.2 New Major Bridges		
(i) Foundation	0.00	<p>(i) Foundation: Cost of each Major Bridge shall be determined on pro rata basis with respect to the total linear length (m) of the Major Bridge.</p> <p>Payment against foundation shall be made on pro rata basis on completion of stage i.e not less than 25% of the scope of foundation of the Major Bridge subject to completion of atleast two foundations the major bridge.</p> <p>In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.</p>
(ii) Substructure	0.00	(ii) Substructure: Payment against Substructure shall be made on pro rata basis on completion of stage i.e not less than 25% of the scope of Substructure of the Major Bridge subject to completion of atleast two Substructures up to abutment / pier cap level of the major bridge.
(iii) Superstructure (including bearings)	0.00	(iii) Superstructure: Payment shall be made on pro rata basis on completion of a stage i.e

		completion of superstructure including bearings of atleast one span in all respects as specified.
(iv) Wearing Coat including Expansion Joints	0.00	(iv) Wearing Coat: Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
(v) Miscellaneous Items like hand rails, crash barriers, road markings etc.,	0.00	(v) Miscellaneous: Payments shall be made on completion of all miscellaneous works like hand rails, crash barriers, road markings etc., complete in all respects as specified.
(vi) Wing Walls / Return Walls	0.00	(vi) Wing Walls / Return Walls: Payments shall be made on completion of all wing walls / return walls complete in all respects as specified.
(vii) Guide Bunds, River Training Works	0.00	(vii) Guide Bunds, River Training Works: Payments shall be made on completion of all Guide Bunds, River Training works etc., complete in all respects as specified.
(viii) Approaches (including Retaining Walls, stone pitching and protection works)	0.00	(viii) Approaches: Payments shall be made on completion of both approaches including stone pitching, protection works, etc., complete in all respect as specified.
B.1 Widening and repairs of		
(a) ROB (b) RUB		
(i) Foundation	0.00	<p>(i) Foundation: Cost of each ROB/RUB shall be determined on pro rata basis with respect to the total linear length (m) of the ROB's/RUBs.</p> <p>Payment against foundation shall be made on pro rata basis on completion of a stage i.e not less than 25% of the scope of foundation of the ROB/RUB subject to completion of atleast two foundations of the ROB/RUB.</p> <p>In case where load testing is required for foundation, the trigger</p>

		of first payment shall include load testing also where specified.
(ii) Substructure	0.00	(ii) Substructure: Payment against Substructure shall be made on pro rata basis on completion of a stage i.e not less than 25% of the scope of Substructure of the ROB/RUB subject to completion of atleast two Substructures up to abutment / pier cap level of the ROB/RUB.
(iii) Superstructure (including bearings)	0.00	(iii) Superstructure: Payment shall be made on pro rata basis on completion of a stage i.e completion of superstructure including bearings of atleast one span in all respects as specified.
(iv) Wearing Coat including Expansion Joints in case of ROB. In case of RUB, rigid pavement under RUB including drainage facility as specified	0.00	(iv) Wearing Coat: Payment shall be made on completion of (a) in case of ROB-Wearing coat including expansion joints complete in all respects as specified and (b) in case of RUB-Rigid pavement under RUB including drainage facility complete in all respects as specified.
(v) Miscellaneous Items like hand rails, crash barriers, road markings etc.,	0.00	(v) Miscellaneous: Payments shall be made on completion of all miscellaneous works like hand rails, crash barriers, road markings etc., complete in all respects as specified.
(vi) Wing Walls / Return Walls	0.00	(vi) Wing Walls / Return Walls: Payments shall be made on completion of all wing walls / return walls complete in all respects as specified.
(vii) Approaches (including Retaining walls, stone pitching and protection works	0.00	(viii) Approaches: Payments shall be made on completion of both approaches including stone pitching, protection works, etc., complete in all respect as specified.
B.2 New		(i) Foundation: Cost of each

<p>(a) ROB (b) RUB</p>		<p>ROB/RUB shall be determined on pro rata basis with respect to the total linear length (m) of the ROB's/RUBs.</p>
<p>(i) Foundation</p>	<p>0.00</p>	<p>Payment against foundation shall be made on pro rata basis on completion of stage i.e not less than 25% of the scope of foundation of the ROB/RUB subject to completion of atleast two foundations of the ROB/RUB.</p> <p>In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.</p>
<p>(ii) Sub-structure</p>	<p>0.00</p>	<p>(ii) Substructure: Payment against Substructure shall be made on pro rata basis on completion of stage i.e not less than 25% of the scope of Substructure of the ROB/RUB subject to completion of atleast two Substructures up to abutment / pier cap level of the ROB/RUB.</p>
<p>(iii) Super-structure (including bearings)</p>	<p>0.00</p>	<p>(iii) Superstructure: Payment shall be made on pro rata basis on completion of a stage i.e completion of superstructure including bearings of atleast one span in all respects as specified.</p>
<p>(iv) Wearing Coat including Expansion Joints in case of ROB. In case of RUB, rigid pavement under RUB including drainage facility as specified</p>	<p>0.00</p>	<p>(iv) Wearing Coat: Payment shall be made on completion of (a) in case of ROB-Wearing coat including expansion joints complete in all respects as specified and (b) in case of RUB-Rigid pavement under RUB including drainage facility complete in all respects as specified.</p>
<p>(v) Miscellaneous Items like hand rails, crash barriers, road markings etc.,</p>	<p>0.00</p>	<p>(v) Miscellaneous: Payments shall be made on completion of all miscellaneous works like hand rails, crash barriers, road markings etc., complete in all respects as specified.</p>

(vi) Wing Walls / Return Walls	0.00	(vi) Wing Walls / Return Walls: Payments shall be made on completion of all wing walls / return walls complete in all respects as specified.
(vii) Approaches (including Retaining walls / Reinforced Earth walls, stone pitching and protection works)	0.00	(viii) Approaches: Payments shall be made on completion of both approaches including stone pitching, protection works, etc., complete in all respect as specified.
C.1 Widening and repairs of Elevated Section/Flyovers/ Grade Separators		
(i) Foundation	0.00	<p>(i) Foundation: Cost of each structure shall be determined on pro rata basis with respect to the total linear length (m) of the structure.</p> <p>Payment against foundation shall be made on pro rata basis on completion of stage i.e not less than 25% of the scope of foundation of the structure subject to completion of atleast two foundations of the structure.</p> <p>In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.</p>
(ii) Substructure	0.00	(ii) Substructure: Payment against Substructure shall be made on pro rata basis on completion of stage i.e not less than 25% of the scope of Substructure of the structure subject to completion of atleast two Substructures up to abutment / pier cap level of the structure.
(iii) Superstructure (including bearings)	0.00	(iii) Superstructure: Payment shall be made on pro rata basis on completion of a stage i.e completion of superstructure including bearings of atleast one span in all respects as specified.
(iv) Wearing Coat including Expansion Joints	0.00	(iv) Wearing Coat: Payment shall be made on completion of wearing coat including expansion joints

		completion of a stage i.e completion of superstructure including bearings of atleast one span in all respects as specified.
(iv) Wearing Coat including Expansion Joints	0.00	(iv) Wearing Coat: Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
(v) Miscellaneous Items like hand rails, crash barriers, road markings etc.,	0.00	(v) Miscellaneous: Payments shall be made on completion of all miscellaneous works like hand rails, crash barriers, road markings etc., complete in all respects as specified.
(vi) Wing Walls / Return Walls	0.00	(vi) Wing Walls / Return Walls: Payments shall be made on completion of all wing walls / return walls complete in all respects as specified.
(vii) Approaches (including Retaining Walls / Reinforced Earth Walls, stone pitching and protection works)	0.00	(viii) Approaches: Payments shall be made on completion of both approaches including stone pitching, protection works, etc., complete in all respect as specified.

- Note:** 1. In case of innovative Major Bridges like cable suspension / cable stayed / Extra Dozed and exceptionally long span bridges, the schedule may be modified as per site requirements before bidding with due approval of DG (RD) & SS, MoRT&H.
2. The Schedule for exclusive tunnel projects may be prepared as per site requirements before bidding with due approval of DG (RD) & SS, MoRT&H.

1.3.4 Other works.

Procedure for estimating the value of other works done shall be as stated in Table 1.3.4.

Table 1.3.4

Stage of Payment	Weightage	Payment Procedure
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(i) Toll plaza	0.00	Unit of measurement is each completed toll plaza. Payment of each toll plaza shall be made on pro rata basis with respect to the total of all toll plazas.
(ii) Road side drains	5.78	Unit of measurement is linear length in km. Payment shall be made on pro rata basis on completion of a stage in a length of not less than 10 % (ten per cent) of the total length.
(iii) Road signs, markings, km stones, safety devices,	6.05	
(iv) Project Facilities		Payment shall be made on pro rata basis for completed facilities.
a) Bus bays	1.41	
b) Truck lay-byes	0.00	
c) Rest areas	0.00	
d) Others	0.00	
(v) Road Side plantation	0.00	Unit of measurement is linear length. Payment shall be made on pro rata basis on completion of a stage in a length of not less than 10% (ten per cent) of the total length.
(vi) Repairs of protection works other than approaches to the bridges, elevated sections/flyovers / grade separators and ROB/RUBs	0.00	
(vii) Safety and traffic management during construction	5.27	Payment shall be made on pro-rata basis every six months
(viii) Retaining wall	72.42	Unit of measurement is linear length. Payment shall be made on pro rata basis on completion of a stage in a length of not less than 10% (ten per cent) of the total length.
(ix) Miscellaneous	9.07	Payment shall be made on pro rata basis for completed facilities.

Annex-II**(Schedule -A)****Dates of providing Right of Way**

The dates on which the Authority shall provide Right of Way to the Contractor on different stretches of the site are stated below:

Sl. no.	From	To	Length	Total ROW Width (m)	Date of Providing ROW*
1	350+000	352+300	2300	45	At appointed date or within 90 days after the appointed date as per clause 8.2 of DCA
2	352+300	353+300	1000	41.5	
3	353+300	357+600	4300	45	
4	357+600	358+100	500	41.5	
5	358+100	364+600	6500	45	
6	364+600	366+400	1600	41.5	
7	366+400	373+730	7530	24	
8	373+730	374+020	290	16	
9	374+020	375+000	980	24	
10	375+000	395+680	20680	24	

* The dates specified herein shall in no case be beyond 150 (one hundred and fifty) days after the Appointed Date

