

राष्ट्रीय राजमार्ग एवं अवसंरचना विकास निगम लिमिटेड

सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार  
तीसरी मंजिल, पीटीआई बिल्डिंग, 4-संसद मार्ग, नई दिल्ली-110001

National Highways & Infrastructure Development Corporation Limited

Ministry of Road Transport & Highways, Govt. of India  
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BHARATMALA  
ROAD TO PROSPERITY



BUILDING INFRASTRUCTURE - BUILDING THE NATION  
CIN: U45400DL2014GOI269062

(भारत सरकार का उद्यम)

(A Government of India Enterprise)

NHIDCL/Manipur/Imp-Koh(NH-39)/Pkg-5B/2020/186099/1917

CORRIGENDUM -XI

Date: 16.02.2021

**Name of Work:** Improvement/ Up-gradation of existing 2-Lane road to 4-Lane Divided Highway from Sekmai to Nilkhuthi section (Pkg-5B) of Imphal Kohima Road (Design Chainage from Km 297+700 to Km 308+729) of NH-39 in the state of Manipur on EPC Mode.

**Tender ID : 2020\_NHIDC\_571047\_1**

It is to inform to all the prospective bidders that the following amendments are being carried out:

S. No.	Reference Item	Existing Provisions	Modified Provisions (to be read as)												
1.	NIT, RFP; Section -7, Clause 1, Bidding Schedule  (Refer Clauses 1.1.5,1.3, 2.11.4(i),2.1 2,2.13,2.14. 2.3, 2.15.2 & 3.1.1)	<table border="1"><thead><tr><th>Event Description</th><th>Date</th></tr></thead><tbody><tr><td>Bid Submission End Date (online &amp; physical copy, if any)</td><td>17.02.2021 (1500 hrs)</td></tr><tr><td>Opening of Technical Bids at venue</td><td>18.02.2021 (1630 hrs)</td></tr></tbody></table>	Event Description	Date	Bid Submission End Date (online & physical copy, if any)	17.02.2021 (1500 hrs)	Opening of Technical Bids at venue	18.02.2021 (1630 hrs)	<table border="1"><thead><tr><th>Event Description</th><th>Date</th></tr></thead><tbody><tr><td>Bid Submission End Date (online) (Physical submission of Bid Documents/ PoA, if any, to be intimated later)</td><td>17.03.2021 (1500 hrs)</td></tr><tr><td>Opening of Technical Bids at venue</td><td>18.03.2021 (1630 hrs)</td></tr></tbody></table>	Event Description	Date	Bid Submission End Date (online) (Physical submission of Bid Documents/ PoA, if any, to be intimated later)	17.03.2021 (1500 hrs)	Opening of Technical Bids at venue	18.03.2021 (1630 hrs)
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2.	Modified Technical Schedules	Existing 'Schedule-H'.	Modified 'Schedule-H' as per Annexure-A of this corrigendum.												

  
(K.C. Bhatt) 16/2/21

Dy. General Manager (Tech)



## SCHEDULE - H

(See Clauses 10.1(iv) and 19.3)

**Contract Price Weightages**

1.1 The Contract Price for this Agreement is **Rs. ....Crore.**

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 of for Payment	Percentage Weightage
1	2	3	4
Road works including New Culverts, Widening and Repair of Culverts	76.492%	<b>A-Widening and Strengthening of Existing Road</b>	
		(1) Earthwork up to top of the sub-grade	-
		(2) Sub Base Course	-
		(3) Non Bituminous Base Course	-
		(4) Bituminous Base Course	-
		(5) Bituminous Concrete	-
		(6) Widening and repair of culverts	2.00%
		<b>B.1- Reconstruction/ New 4 Lane/Realignment/ Bypass (Flexible Pavement)</b>	
		(1) Earthwork up to top of the sub-grade	9.43%
		(2) Sub Base Course (Granular work sub-base, shoulders)	16.33%
		(3) Non Bituminous Base Course (WMM)	18.28%
		(4) Bituminous Base Course (DBM)	19.85%
		(5) Wearing Coat (Bituminous Concrete)	9.25%
		<b>C.1- Reconstruction/ New Service road (Flexible pavement)</b>	

Item	Weightage in Percentage to the Contract Price	Stage of for Payment	Percentage Weightage
1	2	3	4
		(1) Earthwork up to top of the sub-grade	0.12%
		(2) Sub Base Course (Granular work sub-base, shoulders)	1.39%
		(3) Non Bituminous Base Course (WMM)	2.01%
		(4) Bituminous Base Course (DBM)	0.59%
		(5) Wearing Coat (Bituminous Concrete)	0.45%
		<b>D-Reconstruction and New Culverts on existing road, realignment and Bypasses,</b>	
Minor Bridges/ Underpasses/O verpasses		<b>A.1- Widening and Repair of Minor bridges (length&gt;6m and &lt;60m)</b>	
		Minor Bridges	
		<b>A.2-New Minor bridges (length&gt;6m and &lt;60m)</b>	
		<b>1. Foundation + Sub-Structure :</b> On completion of foundation work including foundations for wing and return walls, abutments, piers up to the abutment/pier cap	
		<b>2. Super-structure:</b> On completion of super structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs and markings, tests on completion etc., complete in all respects	
<b>3. Approaches:</b> On completion of approaches including Retaining walls, stone pitching, protection works, filter media. etc., complete in all respects & fit for use.			

Item	Weightage in Percentage to the Contract Price	Stage of for Payment	Percentage Weightage
1	2	3	4
		<b>4. Guide Bunds and river Training Works:</b> On completion of Guide Bund and River Training Works complete in all respects	
		<b>B.2-New Underpass</b>	
		<b>1. Foundation + Sub-Structure:</b> On completion of foundation work including foundations for wing and return walls, abutments, piers up to the abutment/pier cap	
		<b>1. Super-structure:</b> On completion of super structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs and markings, tests on completion etc., complete in all respects  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	
		<b>2. Approaches:</b> On completion of approaches including Retaining walls/Reinforced Earth walls,, stone pitching, protection works, etc., complete in all respects & fit for use.	
Major Bridge (length>60m) works and ROB/UB/Elevated sections/ Flyovers including	5.027%	<b>A.1- Widening and Repair of Major Bridges</b>  1. Foundation  2. Sub-structure  3. Super-structure (including bearings)  4. Wearing Coat including expansion joints	

Item	Weightage in Percentage to the Contract Price	Stage of for Payment	Percentage Weightage
1	2	3	4
viaducts, if any		5. Miscellaneous Items like hand rails, crash barriers, road marking etc.)	
		6. Wing walls/Return walls	
		7. Guide Bunds, River Training works etc.	
		8. Approaches (Including Retaining walls, stone pitching and protection works)	
		<b>A.2- New Major Bridges</b>	
		1. Foundation	11.26%
		2. Sub-structure	37.89%
		3. Super-structure (including bearings)	34.16%
		4. Wearing Coat including expansion joints	5.50%
		5. Miscellaneous Items like hand rails, crash barriers, road marking etc.)	2.29%
		6. Wing walls/Return walls	6.42%
		7. Guide Bunds, River Training works etc.	
		8. Approaches (Including Retaining walls, stone pitching and protection works)	2.48%
Other Works	18.481%	(ii) . Road Side Drain	25.94%
		(iii).Road signs, markings, km stones, safety devices...  a) W beam crash barrier b) Utility Duct c) Misc	11.48%   18.28%
		(iv).Project Facilities  a) Bus Shelter b) Truck lay byes	10.96%
		(v) Road side Plantation	

Item	Weightage in Percentage to the Contract Price	Stage of for Payment	Percentage Weightage
1	2	3	4
		(vi) Protection works other than approaches to the bridges, elevated section/flyover/grade separator and ROBs/RUBs	
		(vii) Protection works a) Retaining/Breast wall b) Surficial protection and Erosion Control Measures (Cut Height of Side slope >25m)	27.79% 5.55%
		(viii) Safety and Traffic Management during Construction	-

### 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
<b>A- Widening &amp; Strengthening of road</b>		
(1) Earthwork up to top of the sub-grade	[Nil]	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 5(five) percent of the total length.
(3) Sub-base Course	[Nil]	
(4) Non bituminous Base course	[Nil]	
(5) Bituminous Base course	[Nil]	
(6) Wearing Coat	[Nil]	
(7) Widening and repair of culverts	2.00%	Cost of ten completed culverts shall be determined on pro rata basis with respect to the total number of culverts.
<b>B.1- Reconstruction/New 2-Lane Realignment/Bypass (Flexible Pavement)</b>		
(1) Earthwork up to top of the sub-grade	9.43%	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 0.5 (one and half) km length, whichever is less.
(3) Sub-base Course	16.33%	
(4) Non bituminous Base course	18.28%	
(5) Bituminous Base course	19.85%	
(6) Wearing Coat	9.25%	
<b>B.2- Reconstruction/New 8-Lane Realignment/Bypass (Rigid Pavement)</b>		
(1) Earthwork up to top of the sub-grade	[Nil]	Unit of measurement is linear length. Payment of each stage shall be made on pro rata basis on completion of a stage in

(2) Sub-base Course	[Nil]	full length or 5 (five) km length, whichever is less.
(3) Dry Lean Concrete (DLC) Course	[Nil]	
(4) Pavement Quality Control (PQC) Course	[Nil]	
<b>C.1- Reconstruction/New Service Road/ Slip Road (Flexible Pavement)</b>		
(1) Earthwork up to top of the sub-grade	0.12%	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, whichever is less.
(2) Sub-base Course	1.39%	
(3) Non bituminous Base course	2.01%	
(4) Bituminous Basecourse	0.59%	
(5) Wearing Coat	0.45%	
<b>C.2- Reconstruction/New Service road (Rigid Pavement)</b>		
(1) Earthwork up to top of the sub-grade	[Nil]	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, whichever is less.
(2) Sub-base Course	[Nil]	
(3) Dry Lean Concrete (DLC) Course	[Nil]	
(4) Pavement Quality Control (PQC) Course	[Nil]	
<b>D- Reconstruction &amp; New Culverts on existing road, realignments, bypasses</b>		
Culverts (length <6m)	20.30%	Cost of each culverts shall be determined on pro rata basis with respect to the total number of culverts. Payment shall be made on the completion of at least one culverts

@ 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:

$$\text{Cost per km} = P \times \text{weightage for road work} \times \text{weightage for bituminous work} \times (1/L)$$

Where,

P = Contract Price

L = Total length in km

Similarly, the rates per km for other stages shall be worked out accordingly.

**Note: The length 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 bridge and Underpasses/Overpasses shall be as stated in table 1.3.2:

Table 1.3.2

Stage of Payment	Weightage	Payment Procedure
1	2	3
<b>A.1-Widening and repairs of Minor Bridges (length &gt;6m &amp; &lt;60m)</b>	[Nil]	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 the completion of widening & repair works of a minor bridge

Stage of Payment	Weightage	Payment Procedure
<b>A.2- New Minor Bridges (length &gt; 6m &amp; &lt; 60m)</b>		
(1)Foundation + Sub-Structure: On completion of the foundation work including foundations for wing and return walls, abutments, piers up to the abutment/pier cap.	[Nil]	Foundation: 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 shall be made on pro-rata basis on completion of a stage i.e. Not less than 25% of the scope of foundation of each bridge.  In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
(2)Super-structure: On completion of the super-structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road, signs & markings, tests on completion etc. complete in all respect.	[Nil]	Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super structure of at least one span in all respects as specified in the column of "Stage of Payment" in this sub-clause. In case of structures where pre-cast girders have been proposed by the Contractor, 50% of the stage payment shall be due and payable on casting of girders for each span and balance 50% of the stage payment shall be made on completion of stage specified as above
(3)Approaches :On completion of approaches including Retaining walls, stone pitching, protection works complete in all and fit for use	[Nil]	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 of Payment" in this sub-clause.
(4) Guide Bunds and River Training Works: On completion of Guide Bunds and river training works complete in all respects	[Nil]	Guide Bunds and River Training Works: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of Guide Bund sand River training Works in all respects as specified
<b>B.1- Widening and repairs of underpasses/overpasses</b>	[Nil]	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.
<b>B.2- New Underpasses/Overpasses</b>		
(1)Foundation + Sub-Structure: On completion of the foundation work including foundations for wing and return walls, abutments, piers up to the abutment/pier cap.	[Nil]	Foundation: Cost of each Underpass/ Overpass shall be determined on pro- rata basis with respect to the total linear length (m) of the Underpasses/Overpasses. 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 each Underpasses/ Overpasses.  In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
(2)Super-structure: On completion of the super-structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs & markings, tests on completion	[Nil]	Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super- structure of at least one span in all respects as specified in the column of "Stage of Payment" in this sub-clause. In case of structures where pre-cast girders have been proposed by the Contractor,50% of the stage payment shall be due and payable on casting of girders for each span and balance

Stage of Payment	Weightage	Payment Procedure
<p>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>50% of the stage payment shall be made on completion of stage specified as above</p>
<p>(3) Approaches: On completion of approaches including Retaining walls/ Reinforced Earth walls, stone pitching, protection works complete in all respect and fit for use.</p>	<p>[Nil]</p>	<p>Payment shall be made on pro-rata basis on completion of a stage in all respects as specified</p>

### 1.3.3 Major Bridge works, ROB/RUB and Structures.

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

Table 1.3.3

Stage of Payment	Weightage	Payment Procedure
<b>A.1- Widening and repairs of Major Bridges</b>		
(1) Foundation	[Nil]	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. 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 major Bridge. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
(2) Sub-structure	[Nil]	Sub-structure: Payment against sub- structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of sub- structure of major bridge.
(3)Super-structure(including bearings)	[Nil]	Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super- structure including bearings of at least one span in all respects as specified. In case of structures where pre-cast girders have been proposed by the Contractor,50% of the stage payment shall be due and payable on casting of girders for each span and balance 50% of the stage payment shall be made on completion of stage specified as above
(4)Wearing Coat including expansion joints	[Nil]	Wearing Coat: Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
(5) Miscellaneous Items like handrails, crash barrier, road markings etc.	[Nil]	Miscellaneous: Payments shall be made on completion of all miscellaneous works like handrails, crash barriers, road markings etc. complete in all respects as specified.
(6) Wing walls/return walls	[Nil]	Wingwalls/return walls: Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
(7)Guide Bunds, River Training works etc.	[Nil]	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.
(8)Approaches(including Retaining walls, stone pitching and protection works)	[Nil]	Approaches: Payments shall be made on pro-rata basis on completion of 10% of the scope of each stage.
<b>A.2-NewMajorBridges</b>		
(1)Foundation	11.26%	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. 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 major Bridge. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where

Stage of Payment	Weightage	Payment Procedure
		specified.
(2)Sub-structure	37.89%	Sub-structure: Payment against sub- structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of sub- structure of major bridge.
(3)Super-structure(including bearings)	34.16%	Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super- structure including bearings of at least one span in all respects as specified. In case of structures where pre-cast girders have been proposed by the Contractor, 50% of the stage payment shall be due and payable on casting of girders for each span and balance 50% of the stage payment shall be made on completion of stage specified as above
(4)Wearing Coat including expansion joints	5.50%	Wearing Coat: Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
(5) Miscellaneous Items like handrails, crash barrier, road markings etc.	2.29%	Miscellaneous: Payments shall be made on completion of all miscellaneous works like handrails, crash barriers, road markings. complete in all respects as specified.
(6) Wing walls/return walls	6.42%	Wingwalls/return walls: Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
(7)Guide bunds, River Training works etc.	[Nil]	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.
(8)Approaches(including Retaining walls, stone pitching and protection works)	2.48%	Approaches: Payments shall be made on pro-rata basis on completion of 10% of the scope of each stage.
<b>B.1- Widening and repairs of (a)ROB (b)RUB</b>		
(1) Foundations	[Nil]	Foundation: Cost of each ROB/RUB shall be determined on pro-rata basis with respect to the total linear length (m)of the ROB/RUB. 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.  In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
(2) Sub-Structure	[Nil]	Sub-structure: Payment against sub- structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of sub- structure of ROB/RUB.
(3) Super-Structure (Including bearings)	[Nil]	Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super- structure including bearings of at least one span in all respects as specified. In case of structures where pre-cast girders have been proposed by the Contractor, 50% of the stage payment shall be due and payable on casting of girders for each span and balance 50% of the stage payment shall be made on completion of stage specified as above
(4) Wearing Coat(a)in case of ROB-	[Nil]	Wearing Coat: Payment shall be made on completion

Stage of Payment	Weightage	Payment Procedure
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		(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.
(5) Miscellaneous Items like handrails, crash barrier, road markings etc.	[Nil]	Miscellaneous: Payments shall be made on completion of all miscellaneous works like handrails, crash barriers, road markings etc. complete in all respects as specified.
(6) Wing walls/Return walls	[Nil]	Wingwalls/return walls: Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
(7) Approaches (Including Retaining walls, Stone Pitching and protection works)	[Nil]	Payments shall be made on pro-rata basis on completion of 20% of the total area.
<b>B.2-NewROB/RUB</b>		
(1) Foundation	[Nil]	Foundation: Cost of each ROB/RUB shall be determined on pro-rata basis with respect to the total linear length (m)of the ROB/RUB. 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.
(2) Sub-structure	[Nil]	Sub-structure: Payment against sub- structure shall be made on pro-rata basis on completion of a stage i.e. Not less than 25% of the scope of sub- structure of ROB/RUB.
(3) Super-structure (including bearing)	[Nil]	Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super- structure including bearings of at least one span in all respects as specified. In case of structures where pre-cast girders have been proposed by the Contractor,50% of the stage payment shall be due and payable on casting of girders for each span and balance 50% of the stage payment shall be made on completion of stage specified as above
(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	[Nil]	Wearing Coat: Payment shall be made on completion  (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.
(5) Miscellaneous Items like handrails, crash barrier, road markings etc.	[Nil]	Miscellaneous: Payments shall be made on completion of all miscellaneous works like handrails, crash barriers, road markings etc. Complete in all respects as specified.
(6) Wing walls/Return walls	[Nil]	Wingwalls/return walls: Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
(7)Approaches (including Retaining	[Nil]	Payment shall be made on pro-rata basis on completion of a

Stage of Payment	Weightage	Payment Procedure
walls/Reinforced Earth wall, stone pitching and protection works)		stage in all respects as specified
<b>C.1-Widening and repairs of Elevated Section/ Flyovers/Grade Separators</b>		
(1) Foundations	[Nil]	Foundation: Cost of each structure shall be determined on pro-rata basis with respect to the total linear length (m)of the structure. 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 structure.  In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
(2) Sub-Structure	[Nil]	Sub-structure: Payment against sub- structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of sub- structure of structure.
(3) Super-Structure (Including bearings)	[Nil]	Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super- structure including bearings of at least one span in all respects as specified. In case of structures where pre-cast girders have been proposed by the Contractor,50% of the stage payment shall be due and payable on casting of girders for each span and balance 50% of the stage payment shall be made on completion of stage specified as above
(4) Wearing Coat including expansion joints	[Nil]	Wearing Coat: Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
(5) Miscellaneous Items like handrails, crash barrier, road markings etc.	[Nil]	Miscellaneous: Payments shall be made on completion of all miscellaneous works like handrails, crash barriers, road markings etc. Complete in all respects as specified.
(6) Wing walls/Return walls	[Nil]	Wingwalls/return walls: Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
(7) Approaches (including Retaining walls/Reinforced Earth wall, stone pitching and protection works)	[Nil]	Payment shall be made on pro-rata basis on completion of a stage in all respects as specified
<b>C.2- New Elevated Section/ Flyovers/Grade Separators</b>		
(1) Foundations	[Nil]	Foundation: Cost of each structure shall be determined on pro-rata basis with respect to the total linear length (m)of the structure. 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 structure.  In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
(2) Sub-Structure	[Nil]	Sub-structure: Payment against sub- structure shall be made

Stage of Payment	Weightage	Payment Procedure
		on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of sub- structure of structure.
(3)Super-Structure(Including bearings)	[Nil]	Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super- structure including bearings of at least one span in all respects as specified. In case of structures where pre-cast girders have been proposed by the Contractor,50% of the stage payment shall be due and payable on casting of girders foreach span and balance 50% of the stage payment shall be made on completion of stage specified as above
(4)Wearing Coat including expansion joints	[Nil]	Wearing Coat: Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
(5) Miscellaneous Items like handrails, crash barrier, road markings etc.	[Nil]	Miscellaneous: Payments shall be made on completion of all miscellaneous works like handrails, crash barriers, road markings etc. complete in all respects as specified.
(6) Wing walls/Return walls	[Nil]	Wingwalls/return walls: Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
(7)Approaches (including Retaining walls/Reinforced Earth wall, stone pitching and protection works)	[Nil]	Payments shall be made on pro-rata basis on completion of 20% of the total area.

Note: (1) In case of innovate Major Bridge projects 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 Competent Authority.

(2) The Schedule for exclusive tunnel projects may be prepared as per site requirements before bidding with due approval of Competent Authority.

### 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
1	2	3
(1) Toll Plaza	[Nil]	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 plaza.
(2) Roadside drains	25.94%	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 5% (five percent) of the total length.
(3) Road signs, markings, km stones, safety devices etc.	11.48%	
a)w-beam crash barrier b) Utility Duct c) Misc.	18.28%	
(4) Project Facilities		Payment shall be made on pro-rata basis for completed

Stage of Payment	Weightage	Payment Procedure
a) Bus Bays	10.96%	facilities.
b) Truck Lay-byes	[Nil]	
(5) Road side Plantation	[Nil]	Unit of measurement is linear length
(6) Protection Works other than approaches to the bridges, elevated sections/flyover/grade separators and ROBs/ RUBs	[Nil]	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 percent) of the total length.
(7) Protection Works		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 5% (five percent) of the total length.
(a) Retaining Wall	27.79%	
(b) Breast Wall	5.55%	
(8) Safety and traffic management during construction	[Nil]	Payment shall be made on prorata basis every six months.

## 2. Procedure for payment for Maintenance

2.1 The cost for maintenance shall be as stated in Clause 14.1.1.

2.2 Payment for Maintenance shall be made in quarterly instalments in accordance with the provisions of Clause 19.7.