

SCHEDULE - H  
(See Clauses 10.1.4 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 for Payment	Percentage weightage
1	2	3	4
Road works including culverts, widening and repair of culverts.	30.98%	<p><b><u>A-Widening and Strengthening of the Existing road</u></b></p> <p>(1) Earthwork up to top of the sub-grade 13.58%</p> <p>(2) Sub- Base Course 6.74%</p> <p>(3) Base Course 4.90%</p> <p>(4) Non-Bituminous Base Course 1.47%</p> <p>(5) Bituminous work 3.52%</p> <p>(6) Wearing Coat 0.00%</p> <p>(7) Widening and repair of culverts 0.00%</p> <p><b><u>B.1- Reconstruction/New 2-lane realignment/bypass (Flexible Pavement)</u></b></p> <p>(1) Earthwork up to top of the sub-grade 24.20%</p> <p>(2) Sub- Base Course 11.95%</p> <p>(3) Base Course 8.26%</p> <p>(4) Non-Bituminous Base Course 4.31%</p> <p>(5) Bituminous work 5.96%</p> <p>(6) Wearing Coat 0.00%</p> <p><b><u>B.2- Reconstruction/New 2-lane realignment/bypass (Rigid Pavement)</u></b></p> <p>(1) Earthwork up to top of the 0.00%</p>	

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'A' IN THE STATE OF WEST BENGAL(Package- IV A)

		sub-grade	
		(2) Sub Base Course	0.00%
		(3) Non Bituminous Base Course	0.00%
		(4) Bituminous Base Course	0.00%
		(4) Dry Lean Concrete (DLC) Course	0.00%
		(4) Pavement Quality Control (PQC) Course	0.00%
		<b>C.1- Reconstruction/New service road (Flexible pavement)</b>	
		(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>C.2- Reconstruction/New Service road (Rigid pavement)</b>	
		(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%
		(3) Dry Lean Concrete (DLC) Course	0.00%
		(4) Pavement Quality Control (PQC) Course	0.00%
		<b>D- Reconstruction and New Culverts on existing road, realignments, bypasses:</b>	
		Culverts (length <6m)	15.11%

<p>Minor Bridges/Under passes/Overpasses</p>	<p>1.62%</p>	<p><b>A.1- Widening and Repair of Minor bridges (Length &gt; 6m and &lt; 60m)</b>  Minor bridges</p> <p><b>A.2- New Minor bridges (Length &gt; 6m and &lt; 60m)</b></p> <p><b>(1) Foundation + Sub-structure:</b> On completion of the foundation work including foundations for wing and return walls, abutments, piers, upto the abutment/pier cap.</p> <p><b>(2) Super-Structure:</b> On completion of the super-structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs &amp; markings, tests on completion etc. complete in all respect.</p> <p><b>(3) Approaches:</b> On completion of approaches including retaining walls, stone pitching, protection weoks complete in all respects and fit for use.</p> <p><b>(4) Guide Bunds and River Training Works:</b>  On completion of Guide Bunds and river Training Works complete in all respects</p> <p><b>B.1- Widening and Repair of underpasses/overpasses</b>  Underpasses/Overpasses</p>	<p>0.00%</p> <p>55%</p> <p>45%</p> <p>0.00%</p> <p>0.00%</p> <p>0.00%</p>
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CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KA FER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'Á' IN THE STATE OF WEST BENGAL(Package- IV A)

		<p><b>B.2- New underpasses/overpasses</b></p> <p><b>(1) Foundation + Sub-structure:</b> On completion of the foundation work including foundations for wing and return walls, abutments, piers, upto the abutment/pier cap.</p> <p><b>(2) Super-Structure:</b> On completion of the super-structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs &amp; 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><b>(3) Approaches:</b> On completion of approaches including retaining walls, stone pitching, protection works complete in all respects and fit for use.</p>	<p>0.00%</p> <p>0.00%</p> <p>0.00%</p>
Major Bridge (length > 60 m.) works and ROB/RUB/elevated sections/flyovers including viaducts, if	5.89%	<p><b>A.1- Widening and Repair of Major Bridges</b></p> <p>(1) Foundation</p> <p>(2) Sub-structure</p> <p>(3) Super-Structure (including bearings)</p> <p>(4) Wearing Coat including expansion joints</p>	<p>0.00%</p> <p>0.00%</p> <p>0.00%</p> <p>0.00%</p>

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'A' IN THE STATE OF WEST BENGAL(Package- IV A)

any	(5) Miscellaneous Items like hand rails, crash barriers, road markings etc.	0.00%	
	(6) Wing walls/return walls	0.00%	
	(7) Guide Bands, River Training works etc.	0.00%	
	(8) Approaches (including Retaining walls, stone pitching and protection works)	0.00%	
	<b>A.2- New Major Bridges</b>		
	(1) Foundation	0.00%	
	(2) Sub-structure	0.00%	
	(3) Super-Structure (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) Guide Bands, River Training works etc.	0.00%	
	(8) Approaches (including Retaining walls, stone pitching and protection works)	0.00%	
	<b>B.1- Widening and Repair of</b>		
	<b>(a) ROB</b>		
	<b>(b) RUB</b>		
	(1) Foundation	0.00%	
	(2) Sub-structure	0.00%	
	(3) Super-Structure (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 respects as	0.00%	

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'Á' IN THE STATE OF WEST BENGAL(Package- IV A)

		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)	
		<b>B.2- New ROB/RUB</b>	
		<b>(a) ROB</b>	
		<b>(b) RUB</b>	
		(1) Foundation	20.00%
		(2) Sub-structure	35.00%
		(3) Super-Structure (including bearings)	45.00%
		(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 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/Reinforced Earth wall, stone pitching and protection works)	0.00%
		<b>C.1- Widening and repair of Elevated Section/Flyovers/Grade Separators</b>	
		(1) Foundation	0.00%
		(2) Sub-structure	0.00%
		(3) Super-Structure (including bearings)	0.00%
		(4) Wearing coat including	0.00%

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KA FER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'Á' IN THE STATE OF WEST BENGAL(Package- IV A)

		<p>expansion joints.</p> <p>(5) Miscellaneous Items like hand rails, crash barriers, road markings etc.</p> <p>(6) Wing walls/return walls</p> <p>(7) Approaches (including Retaining walls/Reinforced Earth wall, stone pitching and protection works)</p> <p><b>C.2- New Elevated Section/Flyovers/Grade Separators</b></p> <p>(1) Foundation</p> <p>(2) Sub-structure</p> <p>(3) Super-Structure (including bearings)</p> <p>(4) Wearing coat including expansion joints.</p> <p>(5) Miscellaneous Items like hand rails, crash barriers, road markings etc.</p> <p>(6) Wing walls/return walls</p> <p>(7) Approaches (including Retaining walls/Reinforced Earth wall, stone pitching and protection works)</p>	<p>0.00%</p> <p>0.00%</p> <p>0.00%</p> <p>0.00%</p> <p>0.00%</p> <p>0.00%</p> <p>0.00%</p> <p>0.00%</p> <p>0.00%</p> <p>0.00%</p>
Major Bridge works	0.00%	<p><b><u>A-Widening and repairs of Major bridges</u></b></p> <p>(1) Foundation</p> <p>(2) Substructure</p> <p>(3) Super-Structure (including crash barriers etc. complete)</p> <p><b><u>B-Widening and repairs of</u></b></p> <p>(a) ROB</p> <p>(b) RUB</p> <p><b>C- New Major Bridge</b></p>	<p>0.00%</p> <p>0.00%</p> <p>0.00%</p> <p>0.00%</p> <p>0.00%</p>

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'Á' IN THE STATE OF WEST BENGAL(Package- IV A)

		(1) Foundation (2) Substructure (3) Super-Structure (including crash barriers etc. complete)	0.00% 0.00% 0.00%
		<b>D- New rail road Bridge + LOOP</b>  (a) RUB (b) ROB	

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CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'A' IN THE STATE OF WEST BENGAL(Package- IV A)

Other Works	61.52%	(i) Toll Plaza	0.00%
		(ii) Road side drains	2.79%
		(iii) Road signs, markings, km stones, safety devices,...	0.82%
		(iv) Project facilities:	
		(a) Bus Bays	0.19%
		(b) Truck lay-byes	0.00%
		(c ) Rest areas	0.00%
		(d) others	0.22%
		(v) Road side plantation	0.00%
		(vi) Repair of protection works other than approaches to the bridges, elevated sections/ flyovers/grade separators and ROBs/RUBs.	0.00%
		(vii) Safety and traffic management during construction	0.00%
		(viii) Protection works like pitching on side slopes, chutes, crash barrier.	15.08%
		(ix) Junctions and island improvement	1.60%
(x) Retaining Wall & Breast wall	9.83%		
(xi) RE Wall	10.08%		
(xii) Reinforced slope structure	58.99%		
(xiii) Miscellaneous items- Vehicle, photographs, Lighting etc	0.40%		

Note: The above list is illustrative and may require modification as per the scope of the work.

### 1.3 Procedure of estimating the value of work done

#### 1.3.1 Road works including approaches to minor bridges, Major Bridges and Structures (excluding service roads).

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

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'Á' IN THE STATE OF WEST BENGAL(Package- IV A)

Table 1.3.1

Stage of Payment	Percentage-weightage	Payment Procedure
<b><u>A-Widening and Strengthening of the Existing road</u></b>		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. @
(1) Earthwork up to top of the sub-grade	13.58%	
(2) Sub- Base Course	6.74%	
(3) Base Course	4.90%	
(4) Non-Bituminous Base Course	1.47%	
(5) Bituminous work	3.52%	
(6) Wearing Coat	0.00%	
(7) Widening and repair of culverts	0.00%	Cost of ten completed culverts shall be determined pro rata with respect to the total number of culverts. The payment shall be made on the completion of at least five culverts.
<b><u>B.1- Reconstruction/New 2-lane realignment/bypass (Flexible Pavement)</u></b>		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.
(1) Earthwork up to top of the sub-grade	24.20%	
(2) Sub- Base Course	11.95%	
(3) Base Course	8.26%	
(4) Non-Bituminous Base Course	4.31%	
(5) Bituminous work	5.96%	
(6) Wearing Coat	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, whichever is less.
<b><u>B.2- Reconstruction/New 2-lane realignment/bypass (Rigid Pavement)</u></b>		
(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) Dry Lean Concrete (DLC) Course	0.00%	

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'A' IN THE STATE OF WEST BENGAL(Package- IV A)

Stage of Payment	Percentage -weightage	Payment Procedure
(6) Pavement Quality Control (PQC) Course	0.00%	
<b>C.1- Reconstruction/New service road (Flexible pavement)</b>		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.
(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>C.2- Reconstruction/New Service road (Rigid pavement)</b>		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.
(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) Dry Lean Concrete (DLC) Course	0.00%	
(6) Pavement Quality Control (PQC) Course	0.00%	
<b>D- Reconstruction and New Culverts on existing road, realignments, bypasses:</b>		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 at least five culverts.
Culverts (length <6m)	15.11%	

@. 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 works and Underpasses/Overpasses.

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

Table 1.3.2

Stage of Payment	Weightage	Payment Procedure
<b>A.1- Widening and Repair of Minor bridges</b>  (Length > 6m and < 60m)	0.00%	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 & repair works of a minor bridge.
<b>A.2- New Minor bridges</b> <b>(i) Foundation + Sub-structure:</b> On completion of the foundation work including foundations for wing and return walls, abutments, piers, upto the abutment/pier cap.	55%	<b>(i) Foundation + Sub-structure:</b> 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 + sub-structure shall be made on pro-rata basis on completion of s stage i.e. not less than 25% of the scope of foundation + sub-structure of each Underpass/Overpass subject to completion of at least two foundations along with sub- structure upto abutment/pier cap level of each Underpass/Overpass.  In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
<b>(ii) Super-structure:</b> On completion of the super-structure in all respects including wearing coat, bearing, expansion joints,	45%	<b>(ii) Super-structure:</b> Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super-structure of at least one span

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'A' IN THE STATE OF WEST BENGAL(Package- IV A)

Stage of Payment	Weightage	Payment Procedure
<p>hand rails, crash barriers, road signs &amp; markings, tests on completion etc. complete in all respect.</p> <p><b>(iii) Approaches:</b> On completion of approaches including Retaining walls, stone pitching, protection works complete in all respect and fit for use.</p> <p><b>(iv) Guide Bunds and River Training Works:</b> On completion of Guide Bunds and river Training Works complete in all respects.</p>	<p>0.00%</p> <p>0.00%</p>	<p>in all respect as specified in the column of "Stage of Payment" in this sub-clause.</p> <p><b>(iii) Approaches:</b> Payment shall be made on pro-rata basis on completion of a stage i.e. completion of approaches in all respect as specified.</p> <p><b>(iv) Guide Bunds and River Training Works:</b> 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>B.1- Widening and Repair of underpasses/overpasses</b></p>	<p>0.00%</p>	<p>Cost of each Underpasses/Overpasses shall be determined on pro rata basis with respect to the total linear length of the Underpasses/Overpasses. Payment shall be made on completion of widening &amp; repair works of a Underpasses/Overpasses.</p>

Stage of Payment	Weightage	Payment Procedure
<p><b>B.2-New underpasses/overpasses</b></p> <p><b>(1) Foundation + Sub-structure:</b> On completion of the foundation work including foundations for wing and return walls, abutments, piers, upto the abutment/pier cap.</p> <p><b>(2) Super-Structure:</b> On completion of the super-structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs &amp; 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><b>(3) Approaches:</b> On completion of approaches including retaining walls, stone pitching, protection works complete in all respects and fit for use.</p>	<p>0.00%</p> <p>0.00%</p> <p>0.00%</p>	<p><b>(i) Foundation + Sub-structure:</b> 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 + sub-structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of foundation + sub-structure of each bridge subject to completion of at least two foundations along with sub-structure upto abutment/pier cap level of each 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> <p><b>(ii) Super-structure:</b> 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 respect as specified in the column of "Stage of Payment" in this sub-clause.</p> <p><b>(iii) Approaches:</b> 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>CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'A' IN THE STATE OF WEST BENGAL(Package- IV A)</p>		

1.3.3 Major Bridges works.

Procedure for estimating the value of Major Bridges work shall be as stated in table 1.3.3:

Table 1.3.3

Stage of payment	Weightage	Payment procedure
1	2	3
<b>A.1- Widening and Repair of Major Bridges</b>		
<b>(i) Foundation:</b>	0.00%	<b>(i) Foundation :</b> 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 s stage i.e. not less than 25% of the scope of foundation of the Major Bridge subject to completion of at least two foundations 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.
<b>(ii) Sub-structure:</b>	0.00%	<b>(ii) Sub-Structure:</b> Payment against Sub-structure shall be made on pro-rata basis on completion of s stage i.e. not less than 25% of the scope of Sub-structure of the Major Bridge subject to completion of at least two Sub-structure of abutment/pier cap level of the Major Bridge .
<b>(iii) Super-structure (Including Bearings)</b>	0.00%	<b>(iii) Super-structure:</b> Payment shall be made on pro-rata basis on completion of s stage i.e. completion of super structure including bearings of at least one span in all respects as specified.
<b>(iv) Wearing Coat including expansion joints</b>	0.00%	<b>(iv) Wearing Coat:</b> Payments shall be made on completion of wearing coat including expansion joints complete in all respects as specified.

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'A' IN THE STATE OF WEST BENGAL(Package- IV A)

Stage of payment	Weightage	Payment procedure
1	2	3
(v) Miscellaneous Items like hand rails, crash barriers, road markings etc.	0.00%	(v) <b>Miscellaneous:</b> 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) <b>Wing walls/return walls:</b> Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
(vii) Guide Bunds, River Training works etc.	0.00%	(vii) <b>Guide Bunds, River Training works:</b> 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) <b>Approaches:</b> Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.
<b>A.2- New Major Bridges</b>		
(i) <b>Foundation:</b>	0.00%	(i) <b>Foundation :</b> 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 s stage i.e. not less than 25% of the scope of foundation of the Major Bridge subject to completion of at least two foundations 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.
(ii) <b>Sub-structure:</b>	0.00%	(ii) <b>Sub-Structure:</b> Payment against Sub-structure shall be made on pro-rata basis on completion of s stage i.e. not less than 25% of the scope of Sub-structure of the Major Bridge subject to completion of at least two Sub-structure of abutment/pier upto

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'A' IN THE STATE OF WEST BENGAL(Package- IV A)

Stage of payment	Weightage	Payment procedure
1	2	3
(iii) Super-structure (Including Bearings)	0.00%	abutment/pier cap level of the Major Bridge . <b>(iii) Super-structure:</b> Payment shall be made on pro-rata basis on completion of stage i.e. completion of super structure including bearings of at least one span in all respects as specified.
(iv) Wearing Coat including expansion joints	0.00%	<b>(iv) Wearing Coat:</b> Payments 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%	<b>(v) Miscellaneous:</b> 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%	<b>(vi) Wing walls/return walls:</b> Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
(vii) Guide Bunds, River Training works etc.	0.00%	<b>(vii) Guide Bunds, River Training works:</b> 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%	<b>(viii) Approaches:</b> Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.

Stage of payment	Weightage	Payment procedure
1	2	3
<b>B.1- Widening and Repair of</b> <b>(a) ROB</b> <b>(b) RUB</b>  <b>(i) Foundation:</b>	0.00%	<b>(i) Foundation :</b> Cost of each ROB/RUB shall be determined on pro rata basis with respect to the total linear length (m) of the ROB/RUBs. Payment against foundation shall be made on pro-rata basis on completion of s stage i.e. not less than 25% of the scope of foundation of the ROB/RUB subject to completion of at least two foundations 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.
<b>(ii) Sub-structure:</b>	0.00%	<b>(ii) Sub-Structure:</b> Payment against Sub-structure shall be made on pro-rata basis on completion of s stage i.e. not less than 25% of the scope of Sub-structure of the ROB/RUB subject to completion of at least two Sub-structure of abutment/pier upto abutment/pier cap level of the ROB/RUB.
<b>(iii) Super-structure (Including Bearings)</b>	0.00%	<b>(iii) Super-structure:</b> Payment shall be made on pro-rata basis on completion of stage i.e. completion of super structure including bearings of at least one span in all respects as specified.
<b>(iv) Wearing Coat including expansion joints</b>	0.00%	<b>(iv) Wearing Coat:</b> Payments 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.
<b>(v) Miscellaneous Items like hand rails, crash barriers,</b>	0.00%	<b>(v) Miscellaneous:</b> Payments shall be made on completion of all miscellaneous

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 TO KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'A' IN THE STATE OF WEST BENGAL(Package- IV A)

Stage of payment	Weightage	Payment procedure
1	2	3
road markings etc.		works like hand rails, crash barriers, road markings, etc. complete in all respects as specified.
(vi) Wing walls/return walls	0.00%	(vi) <b>Wing walls/return walls:</b> 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%	(vii) <b>Approaches:</b> Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.
<b>B.2- New</b> <b>(a) ROB</b> <b>(b) RUB</b>		
(i) <b>Foundation:</b>	20.00%	(i) <b>Foundation :</b> Cost of each ROB/RUB shall be determined on pro rata basis with respect to the total linear length (m) of the ROB/RUBs. Payment against foundation shall be made on pro-rata basis on completion of s stage i.e. not less than 25% of the scope of foundation of the ROB/RUB subject to completion of at least two foundations 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.
(ii) <b>Sub-structure:</b>	35.00%	(ii) <b>Sub-Structure:</b> Payment against Sub-structure shall be made on pro-rata basis on completion of s stage i.e. not less than 25% of the scope of Sub-structure of the ROB/RUB subject to completion of at least two Sub-structure of abutment/pier upto abutment/pier cap level of the ROB/RUB.
(iii) <b>Super-structure (Including Bearings)</b>	45.00%	(iii) <b>Super-structure:</b> Payment shall be made on pro-rata basis on completion of stage i.e. completion of super structure including bearings of at least one span in all

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KA FER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'Á' IN THE STATE OF WEST BENGAL(Package- IV A)

Stage of payment	Weightage	Payment procedure
1	2	3
(iv) Wearing Coat including expansion joints	0.00%	respects as specified. <b>(iv) Wearing Coat:</b> Payments 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%	<b>(v) Miscellaneous:</b> 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%	<b>(vi) Wing walls/return walls:</b> 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%	<b>(vii) Approaches:</b> Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.
<b>C.1- Widening and repairs of Elevated Section/Flyover/Grade Separator</b>		
(i) Foundation:	0.00%	<b>(i) Foundation :</b> 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 stage i.e. not less than 25% of the scope of foundation of the structure subject to completion of at least two foundations of the structure.  In case where load testing is required for foundation, the trigger of first payment shall

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'A' IN THE STATE OF WEST BENGAL(Package- IV A)

Stage of payment	Weightage	Payment procedure
1	2	3
(ii) Sub-structure:	0.00%	include load testing also where specified. <b>(ii) Sub-Structure:</b> Payment against Sub-structure shall be made on pro-rata basis on completion of s stage i.e. not less than 25% of the scope of Sub-structure of structure subject to completion of at least two Sub-structure of abutment/pier upto abutment/pier cap level of the Major Bridge .
(iii) Super-structure (Including Bearings)	0.00%	<b>(iii) Super-structure:</b> Payment shall be made on pro-rata basis on completion of stage i.e. completion of super structure including bearings of at least one span in all respects as specified.
(iv) Wearing Coat including expansion joints	0.00%	<b>(iv) Wearing Coat:</b> Payments 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%	<b>(v) Miscellaneous:</b> 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%	<b>(vi) Wing walls/return walls:</b> 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%	<b>(vii) Approaches:</b> Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KA FER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'Á' IN THE STATE OF WEST BENGAL(Package- IV A)

Stage of payment	Weightage	Payment procedure
1	2	3
<b>C.2- New Elevated Section/Flyover/Grade Separators</b>		
<b>(i) Foundation:</b>	0.00%	<b>(i) Foundation :</b> 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 stage i.e. not less than 25% of the scope of foundation of the structure subject to completion of at least two foundations of the structure.
<b>(ii) Sub-structure:</b>	0.00%	<b>(ii) Sub-Structure:</b> Payment against Sub-structure shall be made on pro-rata basis on completion of s stage i.e. not less than 25% of the scope of Sub-structure of structure subject to completion of at least two Sub-structure of abutment/pier upto abutment/pier cap level of the Major Bridge .
<b>(iii) Super-structure (Including Bearings)</b>	0.00%	<b>(iii) Super-structure:</b> Payment shall be made on pro-rata basis on completion of stage i.e. completion of super structure including bearings of at least one span in all respects as specified.
<b>(iv) Wearing Coat including expansion joints</b>	0.00%	<b>(iv) Wearing Coat:</b> Payments shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
<b>(v) Miscellaneous Items like hand rails, crash barriers, road markings etc.</b>	0.00%	<b>(v) Miscellaneous:</b> Payments shall be made on completion of all miscellaneous works like hand rails, crash barriers, road markings, etc. complete in all respects as specified.

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KA FER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'Á' IN THE STATE OF WEST BENGAL(Package- IV A)

Stage of payment	Weightage	Payment procedure
1	2	3
(vi) Wing walls/return walls	0.00%	(vi) <b>Wing walls/return walls:</b> 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%	(vii) <b>Approaches:</b> Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.

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 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
(i) Service roads	0.00%	Unit of measurement is linear length in km. Cost per km shall be determined on pro rata basis with respect to the total length of the service roads. Payment shall be made for completed service road in a length of not less than 20 (twenty) percent of the total length of service roads.
(ii) 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

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'Á' IN THE STATE OF WEST BENGAL(Package- IV A)

Stage of Payment	Weightage	Payment Procedure
		total of all toll plazas.
(iii) Road side drains	2.79%	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.
(iv) Road signs, markings, km stones, safety devices, ...	0.82%	
(v) Project Facilities		Payment shall be made on pro rata basis for completed facilities.
a) Bus bays	0.19%	
b) Bus Shelter	0.00%	
c) Truck lay-byes	0.00%	
d) others	0.22%	
(vi) Repairs to existing bridges/structures		Payment shall be made for completed items.
a) Providing wearing coat	0.00%	
b) Replacement of bearing, joints	0.00%	
c) Providing crash barriers	0.00%	
(d) Other items	0.00%	
(vii) Roadside 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.
(viii) Protection works	15.08%	
(x) Junctions	1.60%	Unit of measurement is Number. Payment shall be made on pro- rata basis on

CONSTRUCTION OF UPGRADATION OF EXISTING ROAD TO 2-LANE WITH PAVED SHOULDER FROM KM. 0.000 to KM. 13.000 IN BAGRAKOT TO KAHER OF NH-717A ON EPC BASIS UNDER SARDP-NE PHASE 'A' IN THE STATE OF WEST BENGAL(Package- IV A)

Stage of Payment	Weightage	Payment Procedure
		completion of a stage in a number of not less than 10% (ten per cent) of the total number.
(xii) Retaining Wall & Breast wall	9.83%	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.
(xii) RE Wall	10.08%	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.
(xii) Reinforced Slope Structures	58.99%	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.
(xiii) Miscellaneous items - Vehicle, Phone, Photographs, Lighting etc.	0.40%	Payment shall be made on prorata basis every six months..
(xiv) Safety and traffic management during construction	0.00%	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 installments in accordance with the provisions of Clause 19.7.