

**Schedule-H**  
(See Clause 19.3)

**Contract Price Weightages**

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

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
<b>Road works including culverts, minor bridges, underpasses, overpasses, approaches to ROB/RUB/Major Bridges/ Structures (excluding service roads)</b>	<b>73.01%</b>	<b>A-Widening and Strengthening of existing road</b>	
		(1) Earthwork up to top of the sub-grade	8.45%
		(2) Sub-Base Course	11.10%
		(3) Non-Bituminous Base Course	15.33%
		(4) Bituminous Base Course	12.21%
		(5) Wearing Coat	6.02%
		(6) Widening and repair of Culverts	38.83%
		<b>B-Reconstruction/New 2-lane Realignment/ bypass</b>	
		(1) Earthwork up to top of the sub-grade	0.00%
		(2) Granular work (sub-base, base, shoulders)	0.00%
		(3) Bituminous work	0.00%
		(4) CC Pavement	0.00%
		<b>C- Re-Construction and New culverts on existing road, realignments, bypasses:</b>	
		(1) Culverts	2.40%
		<b>D. Minor Bridge/Underpasses/Overpasses</b>	
		<b>Widening and Repair of Minor bridges (length &gt; 6m and &lt; 60m)</b>	
		Minor bridges	5.67%
<b>Major Bridge Works</b>	<b>3.12%</b>	<b>A-1- Reconstruction of Existing Major bridges</b>	
		(1) Foundation	9.21%
		(2) Sub-structure	55.63%
		(3) Super-structure (including crash barriers etc. complete)	34.07%
		(4) Others (including crash barriers Expansion joint, painting etc. Complete)	1.09%

Item	Weightage in percentage to the Contract Price	Stage for Payment	Percentage Weightage
<b>Other Engineering Works</b>	<b>23.87 %</b>	(i) Service roads	0.00 %
		(ii) Toll Plaza	0.00 %
		(iii) Road side drains	2.66 %
		(iv) Road signs, markings, km stones, safety devices.....	9.66 %
		(v) Project facilities	
		(a) Bus Bays and Bus shelter	0.74
		(vi) Repairs to bridges/ structures	0.00
		a) Providing wearing coat	0.00%
		b) Replacement of bearings, joints	0.00%
		c) Providing W Beam Crash Barriers	5.75 %
		d) Junctions Improvement	2.38 %
		(vii) Road side plantation	0.00 %
		(viii) Repair of protection works	0.00 %
		(iX) Safety and traffic management during construction	0.00 %
		(x) Retaining/Toe Wall	77.81%
		(xi) Site Clearance & Dismantling	1.00%

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 road)

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

Table 1.3.1

Stage of payment	% Weightage	Payment procedure
<b>A - Widening and strengthening</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 <b>10(ten) percent</b> of the total length.
(1) Earthwork up to top of the sub-grade	8.45%	
(2) Sub-Base Course	11.10%	
(3) Non Bituminous Base Course	15.33%	
(4) Bituminous Base Course	12.21%	
(5) Wearing Coat	6.02%	
(4) Widening and repair of culverts	0.00%	Cost of ten completed culverts shall be determined pro rate with respect to the total number of culverts. Payment shall be made on the completion of <b>(5) five culverts</b> .
<b>B – Reconstruction/New 2-lane realignment, bypass</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 <b>length or 5 (five) km length</b> 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 – Reconstruction and New culverts, minor bridges, underpasses, overpasses on existing road, realignments, bypass</b>		
(1) Culverts	38.83%	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 <b>5 (five) culverts</b> .
(2) New 2 lane Minor bridge	5.67%	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 <b>a minor bridge</b> .
(3) Cattle / pedestrian underpass	0.00%	Cost of each cattle / pedestrian underpass shall be determined on pro rata basis with respect to the total number of cattle/ pedestrian underpasses. Payment shall be made on the completion of the number of cattle /pedestrian underpasses specified below: Total no. Stage for payment- <b>Completion of one no. in all respect</b> .
(4) Pedestrian Overpasses	0.00%	Same as for (3) above
(5) Grade separated structures (a) underpasses (Vehicular) (b) overpasses	0.00% 0.00%	Same as for (3) above Same as for (3) above

@ 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 Major Bridge Works and ROB/RUB

Procedure for estimating the value of Major Bridge works shall be stated in table 1.3.2:

Table 1.3.2

Stage of payment	% weightage	Payment Procedure
<b>A- Widening and repairs of Major Bridges</b>	0.00%	Cost of each Major Bridge (widening and repairs) shall be determined on pro rata basis with respect to the total linear length (m) of the Major Bridges (widening and repairs). Payment shall be made <b>on completion</b> of each stage of a Major Bridge as per the weightage given in this table.
<b>Foundation:</b> On completion of the Foundation work including Foundations for wing and return walls	0.00%	
<b>Sub-structure:</b> On completion of abutments, piers up to the abutment/pier cap	0.00%	
<b>Super-structure:</b> On completion of the super structure in all respects including hand rails/crash barriers, wing walls, return walls, guide bunds, if any, tests on completion etc., bridge complete in all respects and fit for use.	0.00%	
<b>B- Widening and repairs of</b>		
(a) ROB	0.00%	Cost of each ROB/RUB (widening and repairs) shall be determined on pro rata basis with respect to the total linear length (m) of the ROB/RUB (widening and repairs). Payment shall be made on completion of a ROB/RUB.
(b) RUB	0.00%	
<b>C- New Major Bridges</b>		
(1) <b>Foundation:</b>	9.21%	Cost of each major bridge/ Viaduct shall be determined on pro rata basis with respect to the total linear length (m) of the Major bridge/ Viaduct. 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/ Viaduct subject to completion of at least two foundations of the Major bridge/ Viaduct. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
(2) <b>Sub-structure:</b> On completion of abutments, piers up to	55.63%	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 the Major bridge/

Stage of payment	% weightage	Payment Procedure
		Viaduct subject to completion of at least two sub-structures of abutments/piers upto abutment/pier cap level of the Major bridge/ Viaduct.
(3) <b>Super-structure:</b> On completion of the super structure in all respects including hand rails/crash barriers, wing walls, return walls, guise bunds, if any, tests on completion etc., complete in all respects and fit for use	34.07%	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.
(4) (4) Others (including crash barriers Expansion joint, painting etc. Complete)	1.09%	Payment shall be made on completion of all miscellaneous works like Expansion joints, hand rails, crash barriers, road markings etc. complete in all respects as specified.

### 1.3.3 Other engineering works

Procedure for estimating the value of Other engineering works shall be stated in table 1.3.3:  
Table 1.3.3

Stage of payment	% weightage	Payment procedure
(i) Road side drains	2.66%	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.
(ii) Road signs, markings, km stones, safety devices.	9.66%	
(iii) Project Facilities a) Bus bays	0.74%	Payment shall be made on pro rata basis for completed facilities.
(iv) W Beam Crash Barrier	5.75%	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.
(v) Retaining/Toe wall	77.81%	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) Junction Improvement	2.38%	Payment shall be made on pro rata basis for completed facilities.
(vii) Site Clearance & Dismantling	1.00%	Payment shall be made on pro rata basis for completed facilities.

## 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.