

## Revised Schedule - H

## PKG-2

(See Clauses 10.1 (iv) and 19.3)

## Contract Price Weightages

1. The Contract Price for this Agreement is Rs. \*\*\*\*\*

Proportions of the Contract Price for different stages of Construction of the Project Highway shall be as specified below:

Item	Weightage in % of CP	Stage for Payment	Percentage Weightage
1	2	3	4
<b>Road works including culverts, Widening and repair of culverts.</b>	45.04%	<b>A- Widening and strengthening of existing road</b>	
		(1) Earthwork up to top of the sub-grade	0.53%
		(3) Sub-Base Course	0.53%
		(4) Non-Bituminous Base course	0.64%
		(5) Bituminous Base course	0.38%
		(5) Wearing Coat	0.22%
		(7) Widening and repair of culverts	0.16%
		(7) Earthwork in shoulders	0.07%
		<b>B.1- Reconstruction/New 2-lane realignment/bypass (Flexible Pavement)</b>	
		(1) Earthwork up to top of the sub-grade	25.29%
		(3) Sub-Base Course	18.83%
		(4) Non-Bituminous Base course	19.07%
		(5) Bituminous Base course	11.61%
		(5) Wearing Coat	6.93%
		(6) Earthwork in shoulders	1.91%
		<b>B.2- Reconstruction/New 2-lane realignment/bypass (Rigid Pavement)</b>	
		(1) Earthwork up to top of the sub-grade	0.00%
		(2) Earthwork in shoulders	0.00%
		(3) Dry Lean Concrete (DLC) Course	0.00%
		(4) Pavement Quality Concrete (PQC) Course	0.00%
		<b>C.1- Reconstruction/New Service Road (Flexible Pavement)</b>	0.00%
		(1) Earthwork up to top of the sub-grade	0.00%
		(2) Earthwork in shoulders	0.00%
(3) Sub-Base Course	0.00%		
(4) Non-Bituminous Base course	0.00%		
(5) Bituminous Base course	0.00%		

Item	Weightage in % of CP	Stage for Payment	Percentage Weightage
		(6) Wearing Coat	0.00%
		<b>C.2- Reconstruction/New Service Road (Rigid Pavement)</b>	0.00%
		(1) Earthwork up to top of the sub-grade	0.00%
		(2) Sub-Base Course	0.00%
		(3) Dry Lean Concrete (DLC) Course	0.00%
		(4) Pavement Quality Concrete (PQC) Course	0.00%
		<b>D- Reconstruction and New Culverts on existing road, realignments, bypasses Culverts (Length &lt; 6m)</b>	13.83%
<b>Minor Bridges, Underpasses, Overpasses,</b>	0.08%	<b>A.1-Widening and repair of Minor Bridges (Length&gt;6 m and &lt;60 m)</b>	
		Minor Bridges	100.00%
		<b>A.2-New Minor Bridges (Length&gt;6 m and &lt;60 m)</b>	
		(1) Foundation: On completion of the foundation work including foundations for wing and return walls, abutments, piers.	0.00%
		(2) Sub-structure: On completion of abutments, piers up to the abutment/ pier cap including wing/ return/ retaining wall up to top	0.00%
		(3) Super-structure: On completion of the super-structure in all respects including Girder, Deck slab, bearings	0.00%
		(4) Approaches: On completion of approaches including Retaining walls, stone pitching, protection works complete in all respect, tests on completion in all respect and fit for use	0.00%
		(5) Guide Bunds and River Training Works: On completion of Guide Bunds and river training works complete in all respects	0.00%
		(6) Other Ancillary Works: On completion of wearing coat, expansion joints, hand rails, crash barriers, road signs & markings, tests on completion in all respect.	0.00%
		<b>B.1-Widening and Repair of Underpasses / Overpasses</b>	
		Underpasses/Overpasses	0.00%
		<b>B.2- New Underpasses /Overpasses</b>	
		(1) Foundation: On completion of the foundation work including foundations for wing and return walls, abutments, piers.	0.00%
		(2) Sub-structure: On completion of abutments, piers up to the abutment/ pier cap including wing/ return/ retaining wall up to top	0.00%
		(3) Super-structure: On completion of the super-structure in all respects including Girder, Deck slab, bearings	0.00%

Item	Weightage in % of CP	Stage for Payment	Percentage Weightage
		(4) On completion of Retaining / Reinforced earth walls, complete in all respect and fit for use	0.00%
		(5) Approaches and Other Ancillary Works: On completion of wearing coat, expansion joints, hand rails, crash barriers, stone pitching, protection works, road signs & markings, tests on completion in all respect.	0.00%
		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	0.00%
<b>Major Bridge (Length&gt;60m)works and ROB/RUB, Elevated Sections, Flyovers including Viaducts, if any</b>	0.00%	<b>A.1- Widening and repairs of Major Bridges</b>	
		(1) Foundation: On completion of the foundation work including foundations for wing and return walls, abutments, piers.	0.00%
		(2) Sub-structure: On completion of abutments, piers up to the abutment/ pier cap including wing/ return/ retaining wall up to top	0.00%
		(3) Super-structure: On completion of the super-structure in all respects including Girder, Deck slab, bearings	0.00%
		(4) Wearing Coat including expansion joints.	0.00%
		(5) Miscellaneous Items (like hand rails, crash barriers road marking etc.)	0.00%
		(6) Wing walls/return walls up to top	0.00%
		(7) Guide Bund, 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: On completion of the foundation work including foundations for wing and return walls, abutments, piers.	0.00%
		(2) Sub-structure: On completion of abutments, piers up to the abutment/ pier cap including wing/ return/ retaining wall up to top	0.00%
		(3) Super-structure: On completion of the super-structure in all respects including Girder, Deck slab, bearings	0.00%
		(4) Wearing Coat including expansion joints.	0.00%
		(5) Miscellaneous Items (like hand rails, crash barriers road marking etc.)	0.00%
		(6) Wing walls/return walls up to top	0.00%
		(7) Guide Bund, River Training works etc.	0.00%

Item	Weightage in % of CP	Stage for Payment	Percentage Weightage
		(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) Foundations	0.00%
		(2) Sub-structure	0.00%
		(3) Super-structure (including bearings)	0.00%
		(4) <b>Wearing coat (a) in case of ROB</b> – wearing coat including expansion joints complete in all respects as specified and <b>(b) in case of RUB</b> – rigid pavement under RUB including drainage facility complete in all respects as specified	0.00%
		(5) Miscellaneous Items (like hand rails, crash barriers road marking etc.)	0.00%
		(6) Wing walls/return walls up to top	0.00%
		(7) Retaining/Reinforced earth walls	0.00%
		(8) Approaches and Other Ancillary Works (wearing coat, expansion joints, hand rails, crash barriers, road signs & markings, stone pitching, protection works etc.)	0.00%
		<b>B.2- New ROB/RUB</b>	
		1) Foundations	0.00%
		(2) Sub-structure	0.00%
		(3) Super-structure (including bearings)	0.00%
		(4) <b>Wearing coat (a) in case of ROB</b> – wearing coat including expansion joints complete in all respects as specified and <b>(b) in case of RUB</b> – rigid pavement under RUB including drainage facility complete in all respects as specified.	0.00%
		(5) Miscellaneous Items (like hand rails, crash barriers road marking etc.)	0.00%
		(6) Wing walls/return walls up to top	0.00%
		(7) Retaining/Reinforced earth walls	0.00%
		(8) Approaches and Other Ancillary Works (wearing coat, expansion joints, hand rails, crash barriers, road signs & markings, stone pitching, protection works etc.)	0.00%
		<b>C.1-Widening and repair of Elevated sections/Flyover/Grade separators</b>	
		1) Foundations	0.00%
		(2) Sub-structure	0.00%
		(3) Super-structure (including bearings)	0.00%
		(4) Wearing coat <b>including</b> expansion joints	0.00%
		(5) Miscellaneous Items (like hand rails, crash barriers road marking etc.)	0.00%

Item	Weightage in % of CP	Stage for Payment	Percentage Weightage		
		(6) Wing walls/return walls up to top	0.00%		
		(7) Retaining/Reinforced earth walls	0.00%		
		(8) Approaches and Other Ancillary Works (wearing coat, expansion joints, hand rails, crash barriers, road signs & markings, stone pitching, protection works etc.)	0.00%		
		<b>C.2-New Elevated section/ Flyovers/ Grade Separators.</b>			
		(1) Foundation: On completion of the foundation work including foundations for wing and return walls, abutments, piers.	0.00%		
		(2) Sub-structure: On completion of abutments, piers up to the abutment/ pier cap including wing/ return/ retaining wall up to top	0.00%		
		(3) Super-structure: On completion of the super-structure in all respects including Girder, Deck slab, bearings.	0.00%		
		(4) Wearing coat (including expansion joints	0.00%		
		(5) Miscellaneous Items (like hand rails, crash barriers road marking etc.)	0.00%		
		(6) Wing walls/return walls up to top	0.00%		
		(7) Retaining/Reinforced earth walls	0.00%		
		(8) Approaches and Other Ancillary Works (wearing coat, expansion joints, hand rails, crash barriers, road signs & markings, stone pitching, protection works etc.)	0.00%		
		Other works	54.88%	(1) Toll Plaza	0.00%
				(2) Road side drains	
Open Lined Drain	4.85%				
Unlined Drain	0.00%				
Covered Drain	6.21%				
Catch pit Drain	4.99%				
(3) Road signs, safety Devices, Road Furniture etc.	0.51%				
(4) Road markings & Studs	2.39%				
(5) Crash Barrier	6.25%				
(6) Project facilities					
(a) Bus Bays	0.11%				
(b) Wayside Amenities excluding Slip Roads & but including all internal roads (Service areas including Truck Lay-Byes)					
(c) Toe wall					
(7) RCC Retaining Wall	23.00%				
(8) Stone Masonry Breast wall	33.93%				
(9) Parapet Wall	0.89%				
(10) RE Wall					

Item	Weightage in % of CP	Stage for Payment	Percentage Weightage
		(11) Street Lighting	
		(12) Chequered Tiles	0.80%
		(13) Boundary Wall	
		(14) ATMS	
		(15) Rain Water Harvesting	
		(16) Road side Plantation including Horticulture in Wayside Amenities	
		(17) Protection Works other than approaches to the bridges, elevated sections/ flyover/ grade separators and ROB's/ RUBs	0.00%
		a) Hydroseeding	0.13%
		b) Mulching	3.06%
		c) Soil nailing for slope protection and copping	11.53%
		(18) Safety & Traffic Management during const.	0.00%
		(19) Other miscellaneous works including Connecting road & Junction under Grade separator	
		(20) Connecting Road Etc	
		Junction under Grade separator	1.06%
		(21) Site clearance and Dismantling	0.29%
		(22) Maintenance of Road	0.00%

**Procedure of estimating the value of work done**

**(i) 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
1	2	3
<b>A-Widening and strengthening of Existing Road</b>		
(1) Earthwork up to top of the sub-grade	0.24%	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	0.24%	
(4) Non-Bituminous Base course	0.29%	
(5) Bituminous Base course	0.17%	
(5) Wearing Coat	0.10%	
(7) Widening and repair of culverts	0.07%	
(7) Earthwork in shoulders	0.03%	Cost of ten completed culverts 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.
<b>B.1- Reconstruction/New 8-lane realignment/bypass ( Flexible Pavement)</b>		
(1) Earthwork up to top of the sub-grade	11.39%	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	8.48%	
(4) Non-Bituminous Base course	8.59%	
(5) Bituminous Base course	5.23%	
(5) Wearing Coat	3.12%	
(6) Earthwork in shoulders	0.86%	
<b>B.2- Reconstruction/New 8-lane realignment/bypass (Rigid Pavement)</b>		
(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 a length of not less than 5 (Five) percent of the total length.
(2) Sub-Base Course	0.00%	
(3) Dry Lean Concrete (DLC) Course	0.00%	
(4) Pavement Quality Concrete (PQC) Course	0.00%	
<b>C.1- Reconstruction/New Service Road (Flexible Pavement)</b>		

Stage of Payment	Percentage - Weightage	Payment Procedure
1	2	3
(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 a length of not less than 5 (Five) percent of the total length.
(2) Earthwork in shoulders	0.00%	
(3) Sub-Base Course	0.00%	
(4) Non-Bituminous Base Course	0.00%	
(5) Bituminous Base Course	0.00%	
(6) 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%	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.
(2) Sub-Base Course	0.00%	
(3) Dry Lean Concrete (DLC) Course	0.00%	
(4) Pavement Quality Concrete (PQC) Course	0.00%	
<b>D- Reconstruction and New Culverts on existing road, realignments, bypasses:</b>		
(1) Culverts (Length < 6m)	6.23%	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.

@ For calculation of payment stage for main-carriageway the project length shall be converted into equivalent 2 lane length. For example, if the total length of 4 lane main carriageway is 100 km, then the equivalent length for calculation of payment stage will be 2 x 100 km. Now, 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 equivalent 2-Lane length in km as defined above

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 including the length not handed over to the Contractor under clause 8.3 of this Contract Agreement 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**

**(ii) 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**

<b>Stage of Payment</b>	<b>Percentage - Weightage</b>	<b>Payment Procedure</b>
<b>1</b>	<b>2</b>	<b>3</b>
<b>A.1. Widening and Repair of minor bridges (length &gt;6m and &lt; 60m)</b>	0.08%	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 and repair works of a minor bridge.
<b>A.2.- New Minor bridges</b>		
(1) Foundation: On completion of the foundation work including foundations for wing and return walls, abutments, piers.	0.00%	<b>Foundation:</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 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) Sub-structure: On completion of abutments, piers up to the abutment/ pier cap including wing/ return/ retaining wall up to top	0.00%	<b>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 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 each bridge.
(3) Super-structure: On completion of the super-structure in all respects including Girder, Deck slab, bearings	0.00%	<b>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 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
(4) Approaches: On completion of approaches including Retaining walls, stone pitching, protection works complete in all respect and fit for use	0.00%	<b>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 of Payment" in this sub-clause.

Stage of Payment	Percentage - Weightage	Payment Procedure
1	2	3
(5) Guide Bunds and River Training Works: On completion of Guide Bunds and river training works complete in all respects	0.00%	<b>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
(6) Other Ancillary Works: On completion of wearing coat, expansion joints, hand rails, crash barriers, road signs & markings, tests on completion in all respect.	0.00%	<b>Other Ancillary Works:</b> Payment shall be made on pro-rata basis on completion of a stage in all respects as specified
<b>B.1. Widening and repair of underpasses/overpasses</b>	0.00%	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 and repair works of a underpass/overpass.
<b>B.2. New Underpasses/Overpasses</b>		
(1) Foundation: On completion of the foundation work including foundations for wing and return walls, abutments, piers.	0.00%	<b>Foundation:</b> 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) Sub-structure: On completion of abutments, piers up to the abutment/ pier cap including wing/ return/ retaining wall up to top	0.00%	<b>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 Underpasses/ Overpasses. 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 each Underpasses/Overpasses.

Stage of Payment	Percentage - Weightage	Payment Procedure
1	2	3
(3) Super-structure: On completion of the super-structure in all respects including Girder, Deck slab, bearings	0.00%	<b>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 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
(4) On completion of Retaining / Reinforced earth walls complete in all respect and fit for use	0.00%	Payments shall be made on pro rata basis on completion of 20% of the total area.
(5) Approaches and Other Ancillary Works: On completion of wearing coat, expansion joints, hand rails, crash barriers, road signs & markings, stone pitching, protection works, tests on completion in all respect.	0.00%	Payment shall be made on pro-rata basis on completion of a stage in all respects as specified
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	0.00%	Payment shall be made on pro-rata basis on completion of a stage in all respects as specified

**(iii) Major Bridge works, ROB/RUB and Structures**

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

**Table 1.3.3**

<b>Stage of Payment</b>	<b>Percentage - Weightage</b>	<b>Payment Procedure</b>
<b>1</b>	<b>2</b>	<b>3</b>
<b>A.1.- Widening and Repairs of Major Bridges</b>		
(1) Foundation: On completion of the foundation work including foundations for return walls, abutments, piers.	0.00%	<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 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: On completion of abutments, piers up to the abutment/ pier cap	0.00%	<b>Sub-structure:</b> 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: On completion of the super-structure in all respects including Girder, Deck slab, Bearings	0.00%	<b>Super-structure:</b> 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	0.00%	<b>Wearing Coat:</b> Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
(5) Miscellaneous Items like hand rails, crash barrier, road markings etc.	0.00%	<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.
(6) Wing walls/return walls up to top	0.00%	<b>Wing walls/return walls:</b> Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.

Stage of Payment	Percentage - Weightage	Payment Procedure
1	2	3
(7) Guide bunds, River Training works etc.	0.00%	<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.
(8) Approaches (including Retaining walls, stone pitching and protection works)	0.00%	<b>Approaches:</b> Payments shall be made on pro rata basis on completion of 10% of the scope of each stage.
<b>A.2. New Major Bridges</b>	0.00%	
(1) Foundation: On completion of the foundation work including foundations for return walls, abutments, piers.	0.00%	<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 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: On completion of abutments, piers up to the abutment/ pier cap	0.00%	<b>Sub-structure:</b> 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: On completion of the super-structure in all respects including Girder, Deck slab, Bearings	0.00%	<b>Super-structure:</b> 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	0.00%	<b>Wearing Coat:</b> Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
(5) Miscellaneous Items like hand rails, crash barrier, road markings etc.	0.00%	<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.
(6) Wing walls/return walls up to top	0.00%	<b>Wing walls/return walls:</b> Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.

Stage of Payment	Percentage - Weightage	Payment Procedure
1	2	3
(7) Guide bunds, River Training works etc.	0.00%	<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.
(8) Approaches (including Retaining walls, stone pitching and protection works)	0.00%	<b>Approaches:</b> 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</b>	0.00%	
(a) ROB	0.00%	
(b) RUB	0.00%	
(1) Foundation	0.00%	<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/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	0.00%	<b>Sub-structure:</b> 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)	0.00%	<b>Super-structure:</b> 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) <b>Wearing coat (a) in case of ROB</b> – wearing coat including expansion joints complete in all respects as specified and <b>(b) in case of RUB</b> – rigid pavement under RUB including drainage facility complete in all respects as specified	0.00%	<b>Wearing Coat:</b> 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 hand rails, crash barriers road marking etc.)	0.00%	<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.

Stage of Payment	Percentage - Weightage	Payment Procedure
1	2	3
(6) Wing walls/return walls up to top	0.00%	<b>Wing walls/return walls:</b> Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
(7) On completion of Retaining/Reinforced earth walls complete in all respect and fit for use	0.00%	Payments shall be made on pro rata basis on completion of 20% of the total area.
(8) Approaches and Other Ancillary Works: On completion of wearing coat, expansion joints, hand rails, crash barriers, road signs & markings, stone pitching, protection works, tests on completion in all respect.	0.00%	Payment shall be made on pro-rata basis on completion of a stage in all respects as specified
<b>B.2.- New</b>	0.00%	
(a) ROB	0.00%	
(b) RUB	0.00%	
(1) Foundation	0.00%	<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/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	0.00%	<b>Sub-structure:</b> 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)	0.00%	<b>Super-structure:</b> 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

Stage of Payment	Percentage - Weightage	Payment Procedure
1	2	3
(4) Wearing Coat including expansion joints in case of ROB. In case of RUB-rigid pavement under RUB including drainage facility as specified	0.00%	<b>Wearing Coat:</b> 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 hand rails, crash barrier, road markings etc.	0.00%	<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.
(6) Wing walls/return walls	0.00%	<b>Wing walls/return walls:</b> Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
(7) On completion of Retaining / Reinforced earth walls complete in all respect and fit for use	0.00%	Payments shall be made on pro rata basis on completion of 20% of the total area.
(8) Approaches and Other Ancillary Works: On completion of wearing coat, expansion joints, hand rails, crash barriers, road signs & markings, stone pitching, protection works, tests on completion in all respect.	0.00%	Payment shall be made on pro-rata basis on completion of a stage in all respects as specified
<b>C.1- Widening and repairs of Elevated Section/Flyovers/Grade Separators</b>	0.00%	
(1) Foundation	0.00%	<b>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 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:	0.00%	<b>Sub-structure:</b> 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.

Stage of Payment	Percentage - Weightage	Payment Procedure
1	2	3
(3) Super-structure: On completion of the super-structure in all respects including Girder, Deck slab, bearings	0.00%	<b>Super-structure:</b> 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.	0.00%	<b>Wearing Coat:</b> Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
(5). Miscellaneous items like hand rails, crash barriers, road markings etc	0.00%	<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.
(6) Wing walls/return walls	0.00%	<b>Wing walls/return walls:</b> Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
(7) On completion of Retaining / Reinforced earth walls complete in all respect and fit for use	0.00%	Payments shall be made on pro rata basis on completion of 20% of the total area.
(8) Approaches and Other Ancillary Works: On completion of wearing coat, expansion joints, hand rails, crash barriers, road signs & markings, stone pitching, protection works, tests on completion in all respect.	0.00%	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>	0.00%	
(1) Foundation	0.00%	<b>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 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.

Stage of Payment	Percentage - Weightage	Payment Procedure
1	2	3
(2) Sub-structure:	0.00%	<b>Sub-structure:</b> 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: On completion of the super-structure in all respects including Girder, Deck slab, bearings	0.00%	<b>Super-structure:</b> 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.	0.00%	<b>Wearing Coat:</b> Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
(5). Miscellaneous items like hand rails, crash barriers, road markings etc	0.00%	<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.
(6) Wing walls/return walls	0.00%	<b>Wing walls/return walls:</b> Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
(7) On completion of Retaining / Reinforced earth walls complete in all respect and fit for use	0.00%	Payments shall be made on pro rata basis on completion of 20% of the total area.
(8) Approaches and Other Ancillary Works: On completion of wearing coat, expansion joints, hand rails, crash barriers, road signs & markings, stone pitching, protection works, tests on completion in all respect.	0.00%	Payment shall be made on pro-rata basis on completion of a stage in all respects as specified

Note:

- (1) In case of innovative 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 sit requirements before bidding with due approval of DG (RD) &SS, MoRT&H.

**(iv) Other Works.**

Procedure for estimating the value of other works done shall be as stated in table 1.3.4:

**Table 1.3.4**

<b>Stage of Payment</b>	<b>Percentage - Weightage</b>	<b>Payment Procedure</b>
<b>1</b>	<b>2</b>	<b>3</b>
(1) 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.
(2) Road side drains	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 a length of not less than 5 (Five) percent of the total length.
Open Lined Drain	2.66%	
Unlined Drain	0.00%	
Covered Drain	3.41%	
Catchpit Drain	2.74%	
(3) Road signs, safety Devices, Road Furniture etc.	0.28%	
(4) Road markings & Studs	1.31%	Payment shall be made on pro rata basis for completed facilities.
(5) Crash Barrier	3.43%	
(6) Project facilities	0.00%	
(a) Bus Bays	0.06%	Payments shall be made on pro rata basis on completion of 5 % of the total area.
(b) Wayside Amenities excluding Slip Roads & but including all internal roads (Service areas including Truck Lay-Byes)	0.00%	
(c) Toe wall	0.00%	
(7) RCC Retaining Wall	12.62%	Payment shall be made on pro rata basis for completed facilities.
(8) Stone Masonry Breast wall	18.62%	
(9) Parapet Wall	0.49%	
(10) RE Wall	0.00%	
(11) Street Lighting	0.00%	Payments shall be made on pro rata basis on completion of 5 % of the total area.
(12) Chequered Tiles	0.44%	
(13) Boundary Wall	0.00%	Payment shall be made on pro rata basis for completed facilities.
(14) ATMS	0.00%	
(15) Rain Water Harvesting	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 a length of not less than 5 (Five) percent of the total length.
(16) Road side Plantation including Horticulture in Wayside Amenities	0.00%	
(17) Protection Works other than approaches to the bridges, elevated sections/ flyover/ grade separators and ROBs/ RUBs	0.00%	Payments shall be made on pro rata basis on completion of 5% of the total area.
a) Hydroseeding	0.07%	
b) Mulching	1.68%	
c) Soil nailing for slope protection and copping	6.33%	
(18) Safety & Traffic Management during const.	0.00%	Payment shall be made on prorated basis every six months.
(19) Other miscellaneous works including	0.00%	Payment shall be made on Prorate basis on

Stage of Payment	Percentage - Weightage	Payment Procedure
Connecting road & Junction under Grade separator		completion of each stage
(20) Connecting Road Etc	0.00%	
Junction under Grade separator	0.58%	
(21) Site clearance and Dismantling	0.16%	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.
(22) Maintenance of Road	0.00%	

**2. Procedure for payment for Maintenance**

- (a) The cost for maintenance shall be as stated in Clause 14.1 (v).
- (b) Payment for Maintenance shall be made in accordance with the provisions of Article 14 and Article 19