

Schedule - H

(See Clauses 10.1 (iv) and 19.3)

Contract Price Weightages

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

Table 2.1

Item	Weightage in percentage to the Contract Price	Stage for Payment	Percentage weightage to Particular item (col.2)
1	2	3	4
Road works including culverts widening and repair of culverts.	51.19%	A- Widening and strengthening of existing road	
		(1) Earthwork up to top of the sub-grade including excavation in soil/soft rock/ hard rock and clearing & grubbing	0.00%
		(2) Sub Base Course.	1.10%
		(3) Non-Bituminous Base Course.	1.40%
		(4) Bituminous Base Course.	2.75%
		(5) Wearing Coat.	1.60%
		(6) Widening, reconstruction and repair of culverts	0.00%
		(7) Hard Shoulder	0.00%
		B.1 - Reconstruction/New 2 - lane realignment/ bypass - (Flexible pavement)	

		(1) Earthwork up to top of the sub-grade including excavation in soil/soft rock/ hard rock and clearing & grubbing	8.66%
		(2) Sub Base Course	3.26%
		(3) Non-Bituminous Base Course	5.52%
		(4) Bituminous Base course	10.50%
		(5) Wearing Coat	5.60%
		(6) Landslide removal	2.00%
		D- Reconstruction and New culverts on existing road, realignment, bypasses.	0.00%
		(1) Culverts (length <6m)	8.80%
Minor Bridge / Underpasses / Over pass	9.86%	A.1-Widening and repair of Minor Bridge length >6m <60m)	
		(1) Minor bridge	
		A.2-New Minor Bridge (length >6m <60m)	
		(1) Foundation: On completion of the foundation of the foundation work including foundation for wing and return walls, abutment, piers up to the abutment/pier cap	2.36%
		(2) substructure: On completion of the foundation of the foundation work including foundation for wing and return walls, abutment, piers up to the abutment/pier cap	3.15%
		(3) Super-structure : On completion of the super structure in all respects including wearing coat, bearings, road signs & markings, tests in completion etc. complete in all respect.	4.36%

Other works	38.94%		
		(i) Toll Plaza	0.00%
		(ii) Road side drains	6.92%
		(iii) Road signs, markings, km stones, boundary stones, safety devices etc.	
		a) Pavement Marking	0.55%
		b) Crash Barrier/ W-metal crash barrier	1.48%
		c) Road / Traffic sign	0.29%
		d) Road boundary stone, km stone, 5th km stone, Hecto meter stone, rumble strips, other items etc.	0.02%
		e) Traffic blinker, LED delineators, studs, reflective pavement markers, tree reflectors	0.05%
		f) Road furniture (over head sign board etc.)	0.06%
		<u>(iv) Project facilities</u>	
		<u>Rip Rap Protection</u>	0.20%
		a) Bus bye / Bus shelter	0.03%
		b) Junctions - (Major)	0.21%
		c) Junctions - (Minor)	0.63%
		d) Others including cable duct & lighting on bridges, etc.	0.21%
		Road Appurtenances	0.06%
		(v) Road side Plantation	2.00%

	(vi) Slope protection works as special requirement for hill road	
	(a) Hydro seeding	0.00%
	(b) Seeding and Mulching with jute net	0.00%
	(c) Catch water drain	2.91%
	(d) Retaining Structure on valley side of PCC/RCC/Gabion/Cement Masonry of Varying height between 1 to 6 meter with parapet walls	5.40%
	(e) Reinforced earth wall	0.00%
	(f) Breast wall	17.57%
	(g) Sub surface drain with perforated pipe & Aggregate drain	0.00%
	(h) Parapet wall	0.35%

3. Procedure of estimating the value of work done

3.1 Road works including approaches to minor bridge, Major bridges and structures (excluding service roads)

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

Table 3.1

Stage For Payment	Weightage Percentage	PAYMENT PERCENTAGE
(1)	(2)	(3)
A. Widening /Strengthening of existing road		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) percentage of total length
(i) Earthwork upto top of the sub-grade including excavation in soil/soft rock/hard rock and clearing & grubbing	0.00%	
(ii) Granular work (sub base Course)		

(a) GSB	1.10%	
Profile correction of executed GSB		
(B) WMM	1.40%	
Profile correction of executed WMM		
(iii) Bituminous work (Dense Bituminous Macadam	2.75%	
(iv) Bituminous work (Bituminous Concrete)	1.60%	
B.1- Reconstruction/New 2-lane realignment/ bypass- (Flexible pavement)		
(i) Earthwork upto top of the sub-grade including excavation in soil/soft rock/hard rock and clearing & grubbing	8.66%	
(ii) Granular work (sub base Course)		
(b) GSB	3.26%	
Profile correction of executed GSB		
(B) WMM	5.52%	
Profile correction of executed WMM		
(iii) Bituminous work (Dense Bituminous Macadam	10.50%	
(iv) Bituminous work (Bituminous Concrete)	5.60%	
(v) Landslide removal	2.00%	
C. New culverts, minor bridges, underpasses, overpasses on existing road realignments, bypasses		
(i) Slab Culverts (length less than 6 m)	8.80%	Cost of one (01) completed culvert shall be determined pro rata with respect to the total number of culverts. Payment shall be made on completion of one culvert.

3.1.1 @For example, if the total length of bituminous work to be done is 100 km, the cost per km of

bituminous work shall be determined as follows:

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

Where P = Project Price

L = Total length in Km

3.2 Value of estimating of Minor Bridge/Major Bridge is as:

Procedure for estimating the value of Minor/major bridge works shall be as stated in table

Table 3.2

Stage For Payment	Weightage Percentage	PAYMENT PERCENTAGE
(1)	(2)	(3)
(i) Minor bridges		
Foundation	2.36%	Cost of one (01) completed minor bridge shall be determined pro rata with respect to the total length of minor bridges. Payment shall be made on completion of each stage of minor bridge as per weightage given in the table.
Sub-Structure	3.15%	
Super Structure	4.36%	
(ii) Major bridges		
Foundation	0.00%	Cost of one (01) completed major bridge shall be determined pro rata with respect to the total length of major bridges. Payment shall be made on completion of each stage of major bridge as per weightage given in the table.
Sub-Structure.	0.00%	
Super Structure	0.00%	

3.3 Structures (Elevated sections, reinforced earth)

Procedure for estimating the value of Breast wall/Retaining wall shall be as stated in table

Table 3.3

Stage For Payment	Weightage	PAYMENT PERCENTAGE
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	Percentage	
(1)	(2)	(3)
Breast Wall	17.57%	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) percentage of total length
Retaining Wall	5.40%	
Parapet wall	0.35%	

3.4 other works

Procedure for estimating the value of Breast wall/Retaining wall shall be as stated in table

Table 3.4

Stage For Payment	Weightage Percentage	PAYMENT PERCENTAGE
(1) (a) Road side Drains & Toe Wall	6.92 %	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) percentage of total length
(2) Road signs, markings, km stones, delineator, boundary wall etc	0.55 %	
(b) Crash Barrier/ W metal crash barrier	1.48 %	
(3) Project facilities		
(a) Bus bays and Bus Shelter	0.03%	
(b) Road boundary stone, km stone, 5th km stone, Hecto meter stone, rumble strips, other items etc.	0.02%	
(c) Traffic blinker, LED delineators, studs, reflective pavement markers, tree reflectors	0.05%	
(d) Road furniture (over head sign board etc.)	0.06%	
(e) Road/Traffic sign	0.29 %	
<u>Rip Rap Protection</u>	0.20%	
a) Junctions - (Major)	0.21%	

b) Junctions - (Minor)	0.63%	
c) Others including cable duct & lighting on bridges, etc.	0.21%	
Road Appurtenances	0.06%	
(v) Road side Plantation	2.00%	
(vi) Slope protection works as special requirement for hill road		
(a) Hydro seeding	0.00%	
(b) Seeding and Mulching with jute net	0.00%	
(c) Catch water drain	2.91%	

4. Procedure for payment for maintenance

4.1 The cost for maintenance shall be stated in Clause 14.1.1.

1.1 4.2 Payment for maintenance shall be made in quarterly installments in accordance with the provisions of Clause 19.7.

