

SCHEDULE -H

See Clauses 10.1 (iv) and 19.3

Contract Price Weightages

1.1 The Contract Price for this Agreement is [Rs. *****]

[Rupees *****] only

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 Original contract price	Stage for payment	Percentage weightage to Particular Item
1			
		A) Widening and strengthening of existing road	
Road Works including culverts, widening and repair of culverts	81.899%	1. Earthwork up to top of the subgrade i/c clearing and grubbing and dismantling	3.626%
		2. Repeat work of clearing & grubbing and subgrade Top due idle for the last two and half year which got damaged.	0.026%
		3. Scarifying of existing granular / bituminous surface as per site requirement	0.019%
		4. Sub base Course(GSB)	6.026%
		5. Non-Bituminous Base Course (WMM)	5.472%
		6. Repeat work of Rectification of WMM Top Top due idle for the last two and half year which got damaged.	0.249%
		6. Bituminous Base Course	
		BM	0.083%
		DBM-I	11.655%
		DBM-II	17.894%
		7. Wearing Coat (BC)	
		BC	16.953%
		B) Reconstruction/ New Service Road(Flexible pavement)	
		1. Earthwork up to top of the subgrade i/c clearing and grubbing and dismantling	4.714%
		2. Sub base Course(GSB)	6.551%
		3. Non-Bituminous Base Course (WMM)	6.838%
		4. Bituminous Base Course	
		DBM	6.402%
		5. Wearing Coat (BC)	
		BC	5.363%
		C) Reconstruction and New Culverts on existing road, realignment	
		Culverts(length<6m)	

		1. Hume Pipe	0.600%
		2. Box Culvert	7.530%
2			
Minor Bridges/ Underpasses/ Overpasses	2.843%	D) New Minor bridges (length >6 and <60 m.)	
		1. Foundation +Sub-Structure: On completion of the foundation work including foundations for wing and return walls, abutments, piers upto the abutment/pier cap.	54.179%
		2. Super-structure: On completion of the super-structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs & markings, tests on completion etc. complete in all respect.	11.774%
		3. Approaches: On completion of approaches including Retaining walls, stone pitching, protection works complete in all respect and fit for use.	5.075%
		4. Guide Bunds and River Training Works: On completion of Guide Bunds and river Training Works complete in all respects	3.828%
		E) Widening & repair of minor bridges (length>6m and <60m)	
		1. Foundation	4.652%
		2. Sub-structure	8.085%
		3. Super-structure (including bearings)	4.864%
		4. Wearing Coat including expansion joints	0.466%
		5. Miscellaneous Items like hand rails, crash barriers, road markings etc.)	1.568%
		6. Wing walls/return walls	2.042%
		7. Guide Bunds, River Training works etc.	0.832%
		8. Approaches (including Retaining walls, stone pitching and protection works)	2.634%
3			
Other works	15.258%	(i) Road Side Drain with RCC Cover	50.899%
		(ii) Toe Wall and Retaining Wall Between Main Carriageway and Service road	0.000%
		(iii) Traffic Signs (Cautionary sign, Informatory sign, Mandatory sign, Direction board, Overhead Sign board, Retro-Reflective Traffic sign)	1.591%
		(iv) Pavement Marking	0.278%
		(v) Guard Post	0.320%
		(vi) Boundary Stone, KM stones, 5th Km stones and hectometer stones	2.823%
		(vii) Traffic blinker LED, Delineators and stud	0.245%
		(viii) Traffic Island	0.004%
		(ix) Kerbs	5.692%
		(x) Kerbs with channel	4.874%
		(xi) Bus lay bye and bus shelter	2.462%
		(xii) Truck lay Bye	0.000%

	(xiii) Road Side plantation and median plantation	2.455%
	(xiv) Turfing with Sods	1.106%
	(xv) River Side protection works including construction of flexible aprons, boulder pitching and filter media on slopes	14.725%
	(xvi) Junctions	12.321%
	(xvii) Safety and traffic mangement during construction	0.204%

1.3 Procedure of estimating the value of work done

1.3.1 Road works.

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

Table 1.3.1

Stage for payment	Percentage weightage to Particular Item	Payment Procedure
1. Earthwork up to top of the subgrade i/c clearing and grubbing and dismantling	3.626%	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 or 0.5 km whichever is less.
2. Repeat work of clearing & grubbing and subgrade Top due idle for the last two and half year which got damaged.	0.026%	
3. Scarifying of existing granular / bituminous surface as per site requirement	0.019%	
4. Sub base Course(GSB)	6.026%	
5. Non-Bituminous Base Course (WMM)	5.472%	
6. Repeat work of Rectification of WMM Top Top due idle for the last two and half year which got damaged.	0.249%	
6. Bituminous Base Course	46.585%	
C) Reconstruction and New Culverts on existing road, realignment		
Culverts(length<6m)		Cost of each culvert shall be determined on pro rata basis with respect to the total number of culverts. Payment shall be made on completion of atleast one culvert in all respect.
1. Hume Pipe	0.600%	
2. Box Culvert	7.530%	
D) New Minor bridges (length >6 and <60 m.)		
1. Foundation +Sub-Structure: On completion of the foundation work including foundations for wing and return walls, abutments, piers upto the abutment/pier cap.	54.179%	(i) Foundation + Sub-structure: Cost of each minor Bridge shall be determined on pro rata basis with respect to the total linear length (m) of minor bridge. Payment against foundation + sub-structure shall be made on pro-rata basis on completion of a stage i.e. not less than 10% of the

		scope of foundation + sub-structure of each bridge subject to completion of at least two foundation along with sub-structure up-to abutment/pier cap level of each bridge. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
2. Super-structure: On completion of the super-structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs & markings, tests on completion etc. complete in all respect.	11.774%	(ii) Super-Structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super-structure of at-least one span in all respect as specified in the column of "Stage of Payment" in this sub-clause.
3. Approaches: On completion of approaches including Retaining walls, stone pitching, protection works complete in all respect and fit for use.	5.075%	(iii) Approaches: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of approaches in all respect as specified in the column "Stage of Payment" in this sub-clause.
4. Guide Bunds and River Training Works: On completion of Guide Bunds and river Training Works complete in all respects	3.828%	(iv) Guide Bunds and River Training Works: 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.
E) Widening & repair of minor bridges (length>6m and <60m)	0.000%	Cost of each minor bridge shall be determined on pro rata basis with respect to the total linear length of the minor bridges. Payment shall be made on the completion of widening & repair works of a minor bridge
1. Foundation	4.652%	
2. Sub-structure	8.085%	
3. Super-structure (including bearings)	4.864%	
4. Wearing Coat including expansion joints	0.466%	
5. Miscellaneous Items like hand rails, crash barriers, road markings etc.)	1.568%	Payment 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	2.042%	Payment shall be made on completion of all wing wall/return walls complete in all respect as specified

7. Guide Bunds, River Training works etc.	0.832%	Payment shall be made on completion of all guide bunds/river training works etc. complete in all respect as specified.
8. Approaches (including Retaining walls, stone pitching and protection works)	2.634%	Payment shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.

@. 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 = $P \times \text{weightage for road work} \times \text{weightage for bituminous work} \times (1/L)$

Where P= Contract Price

L = Total length in km

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

1.3.2 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) Reconstruction/ New Service Road(Flexible pavement)		
1. Earthwork up to top of the subgrade i/c clearing and grubbing and dismantling	4.714%	Unit of measurement is linear length in km. Cost per Km shall be determine on pro rata basis w.r.t the total length of the service road. 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 or 0.5 km whichever is less.
2. Sub base Course(GSB)	6.551%	
3. Non-Bituminous Base Course (WMM)	6.838%	
4. Bituminous Base Course	11.765%	
(i) Road Side Drain with RCC Cover	50.899%	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
(ii) Toe Wall and Retaining Wall Between Main Carriageway and Service road	0.000%	
(iii) Traffic Signs (Cautionary sign, Informatory sign, Mandatory sign, Direction board, Overhead Sign board, Retro-Reflective Traffic sign)	1.591%	
(iv) Pavement Marking	0.278%	

		total length or 0.5 km whichever is less
(v) Guard Post	0.320%	Payment shall be made for completed Items.
(vi) Boundary Stone, KM stones, 5th Km stomes and hectometer stones	2.823%	
(vii) Traffic blinker LED, Delineators and stud	0.245%	
(viii) Traffic Island	0.004%	
(ix) Kerbs	5.692%	
(x) Kerbs with channel	4.874%	
(xi) Bus lay bye and bus shelter	2.462%	
(xii) Truck lay Bye	0.000%	
(xiii) Road Side plantation and median plantation	2.455%	
(xiv) Turfing with Sods	1.106%	
(xv) River Side protection works including construction of flexible approns, boulder pitching and filter media on slopes	14.725%	
(xvi) Junctions	12.321%	Unit of measurement is number. Payment shall be made on pro rata basis on completion of a stage in a number of not less than 10 % (ten per cent) of the total Number.
xvii) Safety and traffic mangement during construction	0.204%	Payment shall be made for completed Items

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.