

Corrigendum No. I

Name of Work: Rehabilitation and up-gradation of section from Km 206.000 to 239.425 (Total length: 33.405 Km) of NH-4 (Old NH-223) to 2-Lane with hard shoulder in the Union Territory of Andaman & Nicobar Islands on EPC mode (Pkg-IV).


Sl No	Reference of RFP	Clause No.	Existing Provision	Modified Provision
1.	Estimated Cost	1.1.1 of RFP	Estimated Project Cost (In Rs. Crore): Rs. 193.41 Crore	Estimated Project Cost (In Rs. Crore): Rs. 202.80 Crore
2.	Bid Security	1.2.4 of RFP	Bid Security: Rs 1.94 Crore	Bid Security: Rs. 2.03 Crore
3.	Threshold Technical Capacity	2.2.2.2 (i) of RFP	Threshold Technical Capacity: Rs. 290.115 Crore	Threshold Technical Capacity: Rs. 304.20 Crore
4.	Similar Work	2.2 2.2 (ii) of RFP	One similar work of 25% of Estimated Project Cost i.e. Rs. 48.35 Crore	One similar work of 25% of Estimated Project Cost i.e. Rs. 50.70 Crore
5.	Financial Capacity	2.2.2.3 (i) of RFP	Minimum Net Worth (the "Financial Capacity"): 9.67 Crore	Minimum Net Worth (the "Financial Capacity"): Rs. 10.14 Crore
6.	Annual Turnover	2.2.2.3 (ii) of RFP	Minimum Average Annual Turnover: Rs. 38.68 Crore	Minimum Average Annual Turnover: Rs. 40.56 Crore
7.	Receipt of executed Work	2.2.2.6 (ii) of RFP	However, receipts of or work executed amount less than Rs. 19.34 Crore	However, receipts of or work executed amount less than Rs. 20.28 Crore
8.	Performance Security	2.20.6 of RFP	Performance Security for a sum equivalent to Rs 9.67 Crore	Performance Security for a sum equivalent to Rs 10.14 Crore
9.	Schedules	Schedule-H	Schedule-H	Modified Schedule-H as per Appendix-A of this Corrigendum
10	Schedules	2.1 of Schedule-J	Project Milestone-I shall occur on the date falling on the 120th (One Twenty) day from the Appointed Date	Project Milestone-I shall occur on the date falling on the 180 th (One Hundred Eighty) day from the Appointed Date

[Handwritten Signature]
20 Feb 2018

				Clause Referre d in Manual	Item	Provision s as per Manual	Modified Provision
11	Schedules	Clause 2.2 of Schedule-D	New Clause	2.9.7.2	Vertical Alignme nt (Ruling & Limiting Gradien t)	Limiting gradient of 3.3 % shall be adopted in plain & rolling terrain.	Maximum gradient provided is 7.3% to avoid cutting because while providing 3.3% gradient, cutting is upto 48m.

Note: Civil Construction Cost has been modified to Rs. 202.80 Crore which is inclusive of Post Construction Maintenance Cost i.e. Rs 9.66 Crore.

Sandeep Gupta


20 Feb 2018

GM (T), NHIDCL

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	75.43%	B.1- Reconstruction/ New 4-lane realignment/bypass (Flexible pavement)	
		(1) Earthwork up to top of the sub-grade	26.50%
		(2) Treated Sub-Base Course	23.65%
		(3) Treated RAP	10.87%
		(4) Bituminous Base Course	0.00
		(5) Wearing Coat	11.17%
		D-Re-Construction and New culverts on existing road, realignments, bypasses:	
Culverts (lengths < 6m)	27.80%		
Minor Bridges/ Underpasses/ Overpasses	2.56%	A.1- Widening and Repair of Minor bridges (length >6 m and < 60 m)	
		Minor bridges	59.39%
		A.2- New Minor bridges (length >6 m 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.	20.77%
		(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 in all respect.	18.80%
(3) Approaches: On completion of approaches including Retaining walls, stone pitching, protection	1.04%		

		works complete in all respect and fit for use.	
Major Bridge works	0.00%	A.1- Widening and Repair of Major bridges	
		Major Bridges	0.00%
		A.2 -New major bridges & Viaduct	
		(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 Bunds, River Training works etc.	0.00%
		(8) Approaches (including Retaining walls, stone pitching and protection works)	0.00%
Other works	22.01%	(i) Road side drains	43.62%
		(ii) Road signs, markings, km stones, safety devices,....	13.94%
		(iii) Junctions	14.95%
		(iv) Protection Works	22.07%
		(v) Project facilities	3.26%
		(a) Bus Bays	0.000%
		(c) Truck lay-byes	0.000%
		(d) Rest areas	0.000%
		others	0.000%
(vi) Repair of Protection Works other than approaches to the bridges, elevated sections/ flyover/ grade separators and ROBs/ RUBs	0.000%		
(vii) Site Clearance & Dismantling	2.16%		
(viii) Safety and traffic management during construction	0.00%		

- 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.

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

Table 1.3.1

Stage for Payment	Percentage weightage	Payment Procedure
B.1- Reconstruction/ New 4-lane realignment/bypass (Flexible pavement)		
(1) Earthwork up to top of the sub-grade	26.50%	Unit of measurement is linear length for two lane. 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.
(2) Treated Sub-Base Course	23.65%	
(3) Treated RAP	10.87%	
(4) Bituminous Base Course	0.00	
(5) Wearing Coat	11.17%	
D-Re-construction and New culverts on existing road, realignments, bypasses:		
(1) Culverts (length < 6m)	27.80%	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 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 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 Bridge 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

Stage of Payment	Weightage	Payment Procedure
1	2	3
A.1- Widening and Repair of Minor bridges (length >6 m and < 60 m)	59.39%	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.
A.2- <u>New minor bridges</u>		
(1) Foundation + Sub- Structure: On completion of the foundation work including foundations for wing and return walls, abutments, piers upto the abutment/ pier cap.	20.77%	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. 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 in all respect.	18.80%	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.

(3) Approaches: On completion of approaches including Retaining walls, stone pitching, protection works complete in all respect and fit for use.	1.04%	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.
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1.3.3 Major Bridge works & Viaducts

Procedure for estimating the value of Major Bridge works & Viaducts shall be as stated in table 1.3.3:

Table 1.3.3

Stage for Payment	Percentage weightage	Payment Procedure
A.1- Widening and Repair of Major bridges	0.00%	Cost of each major bridge shall be determined on pro rata basis with respect to the total linear length of the major bridges. Payment shall be made on the completion of widening & repair works of a minor bridge.
A.2-<u>New major bridges & Viaduct</u>		
(1) Foundation	0.000%	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) Sub-structure	0.000%	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/ Viaduct subject to

		completion of at least two sub-structures of abutments/piers upto abutment/pier cap level of the Major bridge/ Viaduct.
(3) Super-structure (including bearings)	0.000%	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) Wearing Coat including expansion joints	0.000%	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.	0.000%	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	0.000%	Payment shall be made on completion of all wing walls/return walls complete in all respects as specified.
(7) Guide Bunds, River Training works etc.	0.000%	Payment 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)	0.000%	Payment shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respect as specified.

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 for Payment	Percentage weightage	Payment Procedure
(i) Road side drains	43.62%	Unit of measurement is linear length in km. Payment shall be made on pro-rata basis on
(ii) Road signs, markings, km	13.94%	

stones, safety devices,....		completion of a stage in a length of not less than 10% (ten per cent) of the total length.	
(iii) Junctions	14.95%	Payment shall be made on pro rata basis for completed facilities.	
(iv) Protection works	22.07%	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.	
(v) Project facilities	(i) Bus byes	3.26%	Payment shall be made on pro-rata basis for completed facilities.
	(ii) Truck lay bye	0.000%	
	(iii) Rest areas	0.000%	
	(iv) others	0.000%	
(vi) Repair of Protection Works other than approaches to the bridges, elevated sections/ flyover/ grade separators and ROBs/ RUBs	0.000%	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.	
(vii) Site Clearance & Dismantling	2.16%		
(v) Safety and traffic management during construction	0.000%	Payment shall be made on pro rata 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 instalments in accordance with the provisions of Clause 19.7..

