

Government of India
Ministry of Road Transport & Highways
(S&R Zone)

No.1, Parliament Street, Transport Bhavan, New Delhi-110001

File No: RW/NH-33044/88/2021-S&R(P&B)/DNT(215840)

Dated: 19th December, 2022

To,

1. The Chief Secretaries of all State Governments/UTs
2. The Principal Secretaries/ Secretaries of all States/ UTs PWD dealing with National Highways, other centrally sponsored schemes and state schemes
3. The Chairperson, National Highways Authority of India (NHAI), G-5&6, Sector-10, Dwarka, New Dethi-110075.
4. The Managing Director, National Highway Infrastructure Development Corporation Ltd., 3 floor, PTI Building, Parliament Street, New Dethi-110001.
5. Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110010.
6. Secretary General, IRC, IRC Bhawan, Kama Koti Marg, Sector-6, R.K.Puram, New Delhi-110022
7. Director, IAHE, Industrial Area, A-5, Sector-62, Noida-201309
8. NIC for uploading on Ministry's websites

Subject: Standard EPC Agreement for National Highways and Centrally Sponsored Road works proposed to be implemented on Engineering procurement and Construction (EPC) mode of Contract.

- Amendment to Schedule H.

Madam/Sir,

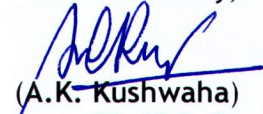
Ministry has issued Standard EPC Agreement for National Highways and Centrally Sponsored Road works proposed to be implemented on Engineering procurement and Construction (EPC) mode of Contract vide Ministry's letter no. RW/NH-37010/4/2010-EAP(Printing) Vol.-IV dated 05.03.2019.

2. Payments are made under EPC projects as per weightages stipulated in Schedule-H of Contract agreement. Presently payment for pre-cast items such as Bridge Girders, RE Wall Facia Panels/Blocks are made only after completion of the respective work/stage including erection / launching as mentioned in schedule H. Significant working capital of the contractor in Pre-casting of Bridge Girders & RE Wall Facia Panels/Blocks is locked for considerable period of time. This frequently causes liquidity problems to the contractors which in turn affects the progress of the work. To improve the cash flow situation of the contractors, it is proposed to introduce sub stages in Schedule H of EPC Projects for making payment against casting of precast items such as Bridge Girders and RE Wall Facia Panels/Blocks.

In view of above, the following amendment has been made to EPC Contract Agreement as shown in the last column of the respective tables in Annexure-I.

3. This is issued with the approval of Competent Authority.

Yours faithfully,


 (A.K. Kushwaha)
 SE, S&R (R)
 For DG (RD) & SS

Copy to:

1. All ROs/ ELOs of MoRTH and all Technical Officers at MoRTH Headquarter.
2. PPS to Secretary (RTH), PPS to DG (RD) &SS, PS to AS&FA, PS to all ADGs



Annexure -I

Amendments to Standard EPC Agreement for National Highways and Centrally Sponsored Road works proposed to be implemented on Engineering procurement and Construction (EPC) mode of Contract vide Ministry's letter no. RW/NH-37010/4/2010-EAP(Printing) Vol.-IV dated 05.03.2019.

1.3.2 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

Stage of Payment	Weightage	Payment Procedure	Amended Payment Procedure
A.2- New minor bridges			
(ii) 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.	/**]	(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 respects as specified in the column of "Stage of Payment" in this sub-clause.	(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 respects as specified in the column of "Stage of Payment" in this sub-clause excluding any payment made in pursuance to here in under: If precast girders/segments are used, on casting of all such girders and segments for at least one span and on submission of Indemnity Bond by the Contractor, 40% of the actual cost of such precast girders/segments determined based on SoR prevalent on the Base date within 30 days of submission of the bill therefor. In case the Contract Price is lower/ higher than the Estimated Project Cost as per RFP, then the SOR rates shall be reduced/ increased in the same proportion accordingly. Balance payment shall be after erection of / launching of these elements as per stage payment stipulations
B.2-New Underpasses/Overpasses			
(ii) Super-structure: On completion of the superstructure in all respects including wearing coat, bearings, expansion joints, hand rails, crash	/**]	(ii) Super-structure: Payment shall be made on pro-rata basis on completion	(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 respects as



<p>barriers, road signs & markings, tests on completion etc. complete in all respect.</p> <p>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 as specified.</p>		<p>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.</p>	<p>specified in the column of "Stage of Payment" in this sub-clause excluding any payment made in pursuance to here in under:</p> <p>If precast girders/segments are used, on casting of all such girders and segments for at least one span and on submission of Indemnity Bond by the Contractor, 40% of the actual cost of such precast girders/segments determined based on SoR prevalent on the Base date within 30 days of submission of the bill therefor. In case the Contract Price is lower/higher than the Estimated Project Cost as per RFP, then the SOR rates shall be reduced/ increased in the same proportion accordingly. Balance payment shall be after erection of / launching of these elements as per stage payment stipulations</p>
<p>(iii) Approaches: On completion of approaches including Retaining walls/ Reinforced Earth walls, stone pitching, protection works complete in all respect and fit for use.</p>	<p>[**]</p>	<p>(iii) Approaches:</p> <p>Payment shall be made on pro-rata basis on completion of a stage i.e. completion of approaches in all respect as specified.</p>	<p>(iii) Approaches:</p> <p>Payment shall be made on pro-rata basis on completion of a stage i.e. completion of approaches in all respect as specified excluding any payment made in pursuance to here in under:</p> <p>If Reinforced Earth Wall is used with Facia Panels/Blocks, on casting of all the Facia Panels/Blocks of all approaches and on submission of Indemnity Bond by the Contractor, 40% of the actual cost of such precast girders/segments determined based on SoR prevalent on the Base date within 30 days of submission of the bill therefor. In case the Contract Price is lower/higher than the Estimated Project Cost as per RFP, then the SOR rates shall be reduced/ increased in the same proportion accordingly. Balance payment shall be after erection of / launching of these elements as per stage payment stipulations</p>

1.3.3 Major Bridge works, ROB/RUB and Structures.

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

Table 1.3.3

Stage of Payment	Weightage	Payment Procedure	Amended Payment Procedure
A.1- Widening and repairs of Major Bridges			
(iii) Superstructure (including bearings)	[**]	(iii) Super-structure: 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.	(iii) Super-structure: 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 excluding any payment made in pursuance to here in under: If precast girders/ segments are used, on casting of all such girders and segments for at least one span and on submission of Indemnity Bond by the Contractor, 40% of the actual cost of such precast girders/segments determined based on SoR prevalent on the Base date within 30 days of submission of the bill therefor. In case the Contract Price is lower/ higher than the Estimated Project Cost as per RFP, then the SOR rates shall be reduced/ increased in the same proportion accordingly. Balance payment shall be after erection of / launching of these elements as per stage payment stipulations
A.2- New minor bridges			
(iii) Super-structure (including bearings)	[**]	(iii) Super-structure: 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.	(iii) Super-structure: 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 excluding any payment made in pursuance to here in under: If precast girders/segments are used, on casting of all such

			girders and segments for at least one span and on submission of Indemnity Bond by the Contractor, 40% of the actual cost of such precast girders/segments determined based on SoR prevalent on the Base date within 30 days of submission of the bill therefor. In case the Contract Price is lower/ higher than the Estimated Project Cost as per RFP, then the SOR rates shall be reduced/ increased in the same proportion accordingly. Balance payment shall be after erection of / launching of these elements as per stage payment stipulations.
B.1 -Widening and repairs of (a) ROB (b) RUB			
(iii) Super-structure (including bearings)	[**]	(iii) Super-structure: 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.	(iii) Super-structure: 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 excluding any payment made in pursuance to here in under: If precast girders/segments are used, on casting of all such girders and segments for at least one span and on submission of Indemnity Bond by the Contractor, 40% of the actual cost of such precast girders/segments determined based on SoR prevalent on the Base date within 30 days of submission of the bill therefor. In case the Contract Price is lower/ higher than the Estimated Project Cost as per RFP, then the SOR rates shall be reduced/ increased in the same proportion accordingly. Balance payment shall be after erection of / launching of these elements as per stage payment stipulations

B.2 -New (a) ROB (b) RUB			
(iii) Super-structure (including bearings)	[**]	<p>(iii) Super-structure:</p> <p>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.</p>	<p>(iii) Super-structure:</p> <p>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 excluding any payment made in pursuance to here in under: If precast girders/segments are used, on casting of all such girders and segments for at least one span and on submission of Indemnity Bond by the Contractor, 40% of the actual cost of such precast girders/segments determined based on SoR prevalent on the Base date within 30 days of submission of the bill therefor. In case the Contract Price is lower/ higher than the Estimated Project Cost as per RFP, then the SOR rates shall be reduced/ increased in the same proportion accordingly. Balance payment shall be after erection of / launching of these elements as per stage payment stipulations</p>
(vii) Approaches (including Retaining walls/Reinforced Earth wall, stone pitching and protection works)	[**]	<p>(vii) Approaches:</p> <p>Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.</p>	<p>(vii) Approaches:</p> <p>Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified excluding any payment made in pursuance to here in under: If Reinforced Earth Wall is used with Facia Panels/Blocks, on casting of all the Facia Panels/Blocks of all approaches and on submission of Indemnity Bond by the Contractor, 40% of the actual cost of such precast</p>

			girders/segments determined based on SoR prevalent on the Base date within 30 days of submission of the bill therefor. In case the Contract Price is lower/ higher than the Estimated Project Cost as per RFP, then the SOR rates shall be reduced/ increased in the same proportion accordingly. Balance payment shall be after erection of / launching of these elements as per stage payment stipulations
C.1- Widening and repairs of Elevated Section/Flyovers/ Grade Separators			
(iii) Super-structure (including bearings)	[**]	<p>(iii) Super-structure:</p> <p>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.</p>	<p>(iii) Super-structure:</p> <p>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 excluding any payment made in pursuance to here in under:</p> <p>If precast girders/segments are used, on casting of all such girders and segments for at least one span and on submission of Indemnity Bond by the Contractor, 40% of the actual cost of such precast girders/segments determined based on SoR prevalent on the Base date within 30 days of submission of the bill therefor. In case the Contract Price is lower/ higher than the Estimated Project Cost as per RFP, then the SOR rates shall be reduced/ increased in the same proportion accordingly. Balance payment shall be after erection of / launching of these elements as per stage payment stipulations</p>



(vii) Approaches (including Retaining walls/Reinforced Earth wall, stone pitching and protection works)	[**]	(vii) Approaches: Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.	(vii) Approaches: Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified excluding any payment made in pursuance to here in under: If Reinforced Earth Wall is used with Facia Panels/Blocks, on casting of all the Facia Panels/Blocks of all approaches and on submission of Indemnity Bond by the Contractor, 40% of the actual cost of such precast girders/segments determined based on SoR prevalent on the Base date within 30 days of submission of the bill therefor. In case the Contract Price is lower/ higher than the Estimated Project Cost as per RFP, then the SOR rates shall be reduced/ increased in the same proportion accordingly. Balance payment shall be after erection of / launching of these elements as per stage payment stipulations
C.2 -New Elevated Section/Flyovers/ Grade Separators			
(iii) Super-structure (including bearings)	[**]	(iii) Super-structure: 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.	(iii) Super-structure: 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 excluding any payment made in pursuance to here in under: If precast girders/segments are used, on casting of all such girders and segments for at least one span and on submission of Indemnity Bond by the Contractor, 40% of the actual cost of such precast girders/segments determined

			based on SoR prevalent on the Base date within 30 days of submission of the bill therefor. In case the Contract Price is lower/ higher than the Estimated Project Cost as per RFP, then the SOR rates shall be reduced/ increased in the same proportion accordingly. Balance payment shall be after erection of / launching of these elements as per stage payment stipulations
(vii) Approaches (including Retaining walls/Reinforced Earth wall, stone pitching and protection works)	[**]	(vii) Approaches: Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.	(vii) Approaches: Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified excluding any payment made in pursuance to here in under: If Reinforced Earth Wall is used with Facia Panels/Blocks, on casting of all the Facia Panels/Blocks of all approaches and on submission of Indemnity Bond by the Contractor, 40% of the actual cost of such precast girders/segments determined based on SoR prevalent on the Base date within 30 days of submission of the bill therefor. In case the Contract Price is lower/ higher than the Estimated Project Cost as per RFP, then the SOR rates shall be reduced/ increased in the same proportion accordingly. Balance payment shall be after erection of / launching of these elements as per stage payment stipulations

