



GOVERNMENT OF INDIA  
MINISTRY OF ROAD TRANSPORT & HIGHWAYS

RW-NH-12014/45/2016/BR/P-3

Dated 24<sup>th</sup> January, 2017

TECHNICAL NOTE

1.	Name of work	:	HL RCC minor bridge in km 24 of NH-333 (Span 2x21m) in the State of Bihar	
2.	State/Division	:	Bihar/ Lakhisarai at Munger	
3.	NH No.	:	333	
4.	Estimated cost	:	As forwarded by State RCD	As modified /allowed
	(Rs. in lakh)		568.27	516.08
5.	Reference	:	Chief Engineer (NH Wing), RCD, Bihar vide Letter no. NH-24/Est-01-66/2016- 177 (WE) EST dated 19.12.2016.	

COMMENTS

1. **Scope of work:** The scope of work shall cover Construction of HL RCC minor bridge in km 24 of NH-333 (Span 2x21.00m) and its approaches in 50m on both sides and its diversion.
2. **Provisions:**
  - (i) Construction of RCC T beam + Slab Girder Bridge of Span 2x21.00 m in place of old narrow and damaged Arch bridge existing span of 9x2.5 m, as proposed by State PWD.
  - (ii) Construction of diversion in 150m length and 5.50m c/w width with earthwork, 150mm GSB, 150mm WMM, 20mm open graded premix surface.
  - (iii) Construction of approach road:- Construction of approach road in 50m on each sides with 260mm GSB, 250mm WMM, 90mm DBM and 40mm BC.

(Above provisions have been made for estimating the cost for tendering purpose only. The GAD/ Design of the proposed bridge is to be approved by Chief Engineer N.H. Wing, RCD, Bihar. However, the adequacy, safety and stability of the structures may be ensured by CE (NH) Bihar before issuing working drawings and execution of the work, keeping in view the relevant IRC/Ministry's guidelines. It may be ensured that the minimum grade of structural concrete to be adopted for various components of the bridge is as per relevant IRC/Ministry's)

3. **Technical comments:-**
  - 3.1 All the items of work included in the scope of work will be executed as per Ministry's specifications for Road and Bridge Works (5<sup>th</sup> Revision-2013) and circulars/guidelines issued by the Ministry from time to time. Provisions for quality control @1% have been allowed. The work is to be carried out in accordance with stipulations of section 900 of Ministry's Specification for Road & Bridge works (Fifth Revision) and IRC:SP:57-2001, observing quality control. Instructions contained in Ministry's letter no. NH-III/P/1/83 dated 19.04.1984 shall be followed and permanent records shall be maintained thereof.
  - 3.3 Guidelines in Ministries circular No. RW/NH-34015/2/86-S&R dated 22.06.1994 circular shall be followed while executing the work of approach slab.

*[Signature]*  
28/1/18  
Executive Engineer  
N. H. Division  
Lakhisarai at Munger