



**GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS**

**Indian Academy of Highway Engineers (campus),
A-5, Sector-62, Noida — 201301.**

F.No RW/NH-334050/1/2015-S&R(B)

Dated November 30, 2016.

To:

1. The Chief Secretaries of all the State Governments / UTs.
2. The Principal Secretaries / Secretaries of all States / UTs Public Works Department dealing with National Highways, other Centrally sponsored schemes.
3. All Engineers-in-Chief and Chief Engineers of Public Works Department of States / UTs dealing with National Highways, other Centrally sponsored schemes.
4. The Director General (Border Roads), Seema Sadak Bhavan, Ring Road, Delhi 110 010.
5. The Chairman, National Highways Authority of India, Plot G-5 & 6, Sector-10, Dwarka, New Delhi 110 075.
6. The Managing Director, NHIDCL, PTI Building, Parliament Street, New Delhi 110 001.
7. The Chairman, Inland Waterways Authority of India, A-13 sector -1, Noida - 201301.
8. All Regional Directors of Inland Waterways Authority of India.

Sub: Vertical and horizontal clearances for the construction of bridge structures on National Highways passing over declared National Waterways – reg.

As per the extant policy of the Inland Waterway Authority of India (IWAI), a proposal for the construction of new bridge or any other structure to cross any National Waterway [in pursuance to section 14(2) (g) of IWAI Act, 1985 and IWAI (classification of Inland Waterway in India) Amendment – Regulation, 2016 published in the Gazette of India dated 07.11.2016 (copy enclosed for ready reference) need to be submitted in prescribed form annexed with these regulations by Highway Authority which desires to construct bridge or any other cross structure to IWAI for getting IWAI's "No Objection" by ensuring specified vertical and horizontal clearances in all the spans to safeguard navigation thereon.

2. However, to reduce the time on getting such clearances from IWAI, after due consultation with IWAI, it has been decided that henceforth for any bridge or any other structure on a highway to be constructed across any National Waterway, the proposal for getting clearances may be submitted to IWAI after duly complying the specified clearances in the prescribed form annexed to Inland Waterways Authority of India (classification of Inland Waterways in India) Regulations (Amendments), 2016 dated 07.11.2016 and IWAI's approval thereon will be taken before starting the construction. IWAI will process such cases, submitted in the prescribed application format, within 45 days of receipt of such request complete in all respects and complying with all the stipulation to the satisfaction of IWAI. In case IWAI does not give clearance to such applications, which comply the specified provisions, within 45 days, then Highway Authority may proceed with the construction of the structure as proposed in the application under these regulations.

- 2.1 For right-angled bridge structures constructed over any declared National waterways (river or canal), the navigational vertical clearance (above high flood level) and the horizontal clearance (clear span for the bridge structure) requirements will be decided in view of minimum requirements as specified in table 1 below based Inland Waterways Authority of India (classification of Inland Waterways in India) Regulations (Amendments), 2016 dated 07.11.2016. Table-1 will be deemed amended in view of abovementioned IWAI regulation amended from time to time.

Table 1 – Navigational Requirements for crossing the river/canal

River Classification	Vertical clearance, meter	Horizontal span, meter	Canal Classification	Vertical clearance, meter	Horizontal span, meter
VII	10	100	VI	10	60
VI	10	80	V	8	60
V	8	80	IV	8	50
IV	8	50	III	6	40
III	6	50	II	5	30
II	5	40	I	4	20
I	4	30			

- 2.2 It may be noted that as per IWAI (classification of Inland Waterway in India) regulations, 2006 notified in Part III, section 4 of the Gazette dated 20-26 January, 2007, IWAI need to classify all the national waterways/ their stretches in different classes as per their navigational potential vide separate office memorandums (OMs), which would be available on the website (www.iwai.nic.in/ www.iwai.gov.in) of IWAI for all the waterways declared as national waterways from time to time.
- 2.3 For waterways other than national waterways also, though it is not a legal necessity, the constructing agencies/highway authority are advised to take guidance of IWAI or the concerned State Govt to understand the present and future navigational potential of the waterway and make sincere effort to provide practically possible maximum horizontal and vertical navigational clearances.
- 2.4 For skew bridges, horizontal clearance measured at normal to flow direction should be increased by “overall bridge deck width times sin (skew angle)” above the minimum values as given in table 1.
- 2.5 Besides, anti-obstruction requirements may also be considered appropriately by bridge designer before finalizing the vertical clearances above high flood level and horizontal span for the bridge structure.
3. The contents of this circular may be brought to the notice of all concerned in your organization.
4. This circular will be applicable from its issue date.
5. This issues with the approval of Competent Authority.


(Sanjay Garg),

Superintending Engineer (Bridges)- S&R,
For Director General (Road Development) & SS.
E-mail: sanjay.garg1@nic.in.

Copy to:

1. All Chief Engineers / Superintending Engineers in Ministry of Road Transport & Highways.
2. All Joint Secretaries in the Ministry.
3. All ROs & ELOs of the Ministry.
4. The Secretary General, Indian Roads Congress.
5. The Director, IAHE.
6. Technical circular file of S, R&T (R) Section.
7. NIC for uploading on Ministry's website under "what's new".

Copy for kind information to:

1. PS to Hon'ble Minister (SRT&H) / PS to Hon'ble MOS (SRT&H).
2. Sr. PPS to Secretary (RT&H).
3. PPS to DG (RD) & SS.
4. PPS to SS & FA.
5. PPS to ADG-I / AD-II / Coordinators – II/III.

Copy for kind information and reference to:

The Secretary, Government of India, Ministry of Shipping, 1, Transport Bhawan,
Parliament street, New Delhi – 110001.



(Sanjay Garg),
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अभिस्वीकृति

..... (यहाँ सन्निर्माण के व्यौरों के लिए आवेदन सं. (तारीख)
प्राप्त किया।

(हस्ताक्षर)
(प्राप्त करने के लिए प्राधिकृत अधिकारी का नाम और पदनाम)

त. माई अमृथा देवी, मन्त्रि
[विज्ञापन-III/4/असा./291 (374)]

टिप्पणी : भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण (भारत में अन्तर्देशीय जलमार्गों का वर्गीकरण) विनियम, 2006, भारत के राजपत्र, भाग III, खंड 4, तारीख 20 जनवरी, 2007 में प्रकाशित किए गए थे।

MINISTRY OF SHIPPING
(INLAND WATERWAYS AUTHORITY OF INDIA)
NOTIFICATION

New Delhi, the 7th November, 2016

F. No. IWT-11011/26/2016-IWT.— In exercise of the powers conferred by section 35 read with clause (g) of sub-section (2) of section 14 of the Inland Waterways Authority of India Act, 1985 (82 of 1985), the Authority with the previous approval of the Central Government hereby makes the following regulations further to amend the Inland Waterways Authority of India (Classification of Inland Waterways in India) Regulations 2006, namely:-

1. Short title and commencement - (1) These regulations may be called the Inland Waterways Authority of India (Classification of Inland Waterways in India) (Amendment) Regulations, 2016.
(2) They shall come into force on the date of their publication in the Official Gazette.
2. In the Inland Waterways Authority of India (Classification of Inland Waterways in India) Regulations, 2006, hereinafter referred to as principal regulations, in regulation 3, in sub-regulation (1),-
 - (i) In clause (c), for the figure and word "7 meter" at both places where they occur the figure and word "6 meter" shall be substituted;
 - (ii) In clause (d), for the figure and word "10 meter" at both places where they occur the figure and word "8 meter" shall be substituted;
 - (iii) In clause (e), for the figure and word "10 meter" the figure and word "8 meter" shall be substituted;
3. In the principal regulations, for regulation 6, the following regulation shall be substituted, namely:-
 - "6. Before start of construction of any structure in or across a national waterway, the concerned agency or organization shall obtain clearance from the Authority by applying in the form annexed to these regulations:
Provided that, if no communication in this respect is received from the Authority, within forty five days from the date of receipt of the application by the Authority,

the agency or the organization may proceed with the construction of the structure as proposed in the application under these regulations”.

4. In the principal regulations, for the Annex, the following shall be substituted, namely:-

FORM

FORM FOR GETTING CLEARANCE FOR STRUCTURES FROM AUTHORITY

1. Location of the proposed structure :
2. National Waterway :
3. Notified Class :
4. Type of structure :
5. Horizontal clearance between piers :
6. Vertical clearance
(above Navigational High Flood Level) :
7. Distance from the nearest
existing structure, if any, :
8. If so, whether the alignment of
Piers is in the same line or not? :
9. Obliquity of the structure with respect
to direction of flow :
10. Proposed period of construction :

(Necessary general arrangement drawing clearly indicating horizontal clearance, vertical clearance and location map to be submitted with this form)

DECLARATION

1. On behalf of (Name of agency/organization) I do hereby undertake that the construction of the above mentioned structure will commence only after obtaining necessary clearance from the Authority and if no clearance is received with 45 days from the Authority, the construction will be carried out in conformity with the provisions contained in the Inland Waterways Authority of India Act, 1985 (82 of 1985) and the Inland Waterways Authority of India (Classification of Inland Waterways in India) Regulations, 2006.

(Signature)

Name of the Officer :

Designation :

Office seal

Date :