DEVELOPING SUSTAINABLE & RESILIENT INFRASTRUCTURE: A CASE STUDY FROM INDIA

DR. DIPANKAR GHOSE, WWF INDIA
INDIA: 3/4th of global tiger population

INDIA: >3/4th of Indian rhinos

INDIA: 2/3rd of Asian elephants
LARGE MAMMALS NEED CONNECTED LANDSCAPES
SOURCE & SINK, CORRIDORS...
UNNATURAL DEATH OF ELEPHANTS IN INDIA

- Train & Vehicle hits
- Electrocution
- Poaching for trade
- Poisoning

Year 2016-17:
- Train & Vehicle hits: 20
- Electrocution: 50
- Poaching for trade: 10
- Poisoning: 0

Year 2017-18:
- Train & Vehicle hits: 0
- Electrocution: 60
- Poaching for trade: 10
- Poisoning: 0

Year 2015-16:
- Train & Vehicle hits: 10
- Electrocution: 50
- Poaching for trade: 30
- Poisoning: 0
RECENT NOTIFICATION
BY THE GOVT. OF INDIA

No RW-NH-11013/02/2019-SR(P&B)
Government of India
Ministry of Road Transport & Highways
(S&R (P&B) Section)
Transport Bhawan, 1, Parliament Street, New Delhi-110001

Dated: 29th May, 2019

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), SeemaSadanBhawan, Ring Road, New Delhi-110 010,
5. The Chairman, National Highways Authority of India, G-5 & 6, Sector-10, Dwarka, New Delhi-110 075.

Subject:- Principles to be adopted while considering the highway near or within wildlife sanctuaries/National Parks/Animal Corridor -reg.

The development of National Highways is essential for the economic growth of the country, however alignment of NH passing through natural areas may have wide ranging and complex impact on ecology & wild species. To have minimum impact of highways on the protected eco-sensitive area, the implementing agency should consider to spare sanctuaries/National Parks at the planning stage and wherever possible take a bypass/detour. However if it is absolutely unavoidable all necessary clearances required under the Wildlife Protection Act 1972, Forest Conversion Act 1980 and Environment (Protection) Act 1986 should be obtained before any work is undertaken in such areas.

2. In this regard, para 3.1.5 of TOR of RFP for appointment of Consultancy Services for preparation of Detailed Project Report (DPR) in respect of National Highways and other centrally sponsored road works issued vide OM no H-390111/30/2015-SR(P&B) dated 15.02.2019 stipulates that:

“All efforts shall be made to avoid any road alignment through National Parks and Wildlife sanctuaries, even if it requires taking a longer route/bypass. However, where it become absolutely unavoidable and necessary to keep the...
CASE STUDY FROM BRAHMAPUTRA LANDSCAPE, INDIA
NATIONAL HIGHWAY 54E, ASSAM, INDIA
DOES MITIGATION WORK?

ISOMETRIC VIEW OF ANIMAL PASSAGE & ROAD GOING ABOVE
NH54E ALIGNMENT
NH54E MITIGATION STRUCTURES
The locations for the camera traps on NH 54 E inside Lumding RF
Thank you

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