

Four laning of Balaghat - Gondia Section of NH 543 from km 0.000 to km 48.070 (Package-1A & Package-1B) under Bharatmala Pariyojana in the State of Madhya Pradesh and Maharashtra

Brief Summary of Project

1. MoRTH, Government of India has declared new National Highway (NH-543) vide Gazette Notification dated 3rd January 2017. NH-543 starts from the junction with NH-43 Shahdol connecting Dindori, Mandla, Nainpur, Lamta, Balghat in the state of Madhya Pradesh connecting Rajegaon, Dhamangaon, Rawandi, Gondia, Amgaon, Deori, Korchi, Kurkheda, Wadsa (Desaiganj) and terminating at its junction with NH-353D near Bramhapuri in the state of Maharashtra.
2. The **Proposed project road is part of the newly declared NH-543**, Balaghat to Gondia Section of NH-543 from km 0.000 to km 48.070 in the State of Madhya Pradesh and Maharashtra.
3. Total length of the existing stretch is about 41.55 Km and **length of proposed project road is 48.070 km**. Out of 48.070 km stretch, 29.700 km stretch is in the State of Madhya Pradesh (Package-1A) and 18.370 km is in the State of Maharashtra (Package-1B)
4. 4 lane with paved shoulder configuration has been proposed for the entire stretch.
5. The proposed alignment is passing through 4 Tehsils (Lalbarra, Waraseoni, Balaghat & Kirnapur) of Balaghat district in the State of Madhya Pradesh and 1 Tehsil (Gondia) of Gondia district in the State of Maharashtra.
6. The proposed alignment is passing through **34 villages** (21 villages in Balaghat District in the State of Madhya Pradesh and 13 villages in Gondia District in the State of Maharashtra).
7. The alignment is passing through plain terrain and predominant land use along the alignment is agricultural followed by residential & commercial, mix land use and forest.
8. The **existing RoW** varies between **25 m to 30 m** and **Proposed ROW** shall be **70 meter** in general. At location of major & minor junction, bus bays, truck lay bye, toll plaza, entry & exit of VUP / Flyovers and interchange, extra land to be provided in addition to above mentioned ROW as per the actual design requirement.
9. Total land to be acquired for the proposed project is 305.636 ha out of which 268.98 ha is private land and 36.656 ha is government land.
10. **Total length of forest along the proposed project road is 2.259 km** (0.444 km in Madhya Pradesh and 1.815 km in Maharashtra).
11. **Total Forest land required to be diverted for the proposed project is approx.10.1389 ha**, out of which 1.8596 ha is located in Balaghat District of Madhya Pradesh and 8.2793 ha land is located in Gondia district of Maharashtra.
12. There are no protected areas (National Park, Wildlife Sanctuary, Biosphere Reserved etc.) within 15 km radius of the proposed project road.
13. There is no ASI protected monument within 300m of the proposed alignment of Project Road.

14. Proposed Bypasses and Realignment:

- Balaghat Bypass (Design Ch. 0+000 to 14+400)
- Rajegaon Bypass in MP (Design Ch. 27+270 to 29+200)
- Rajegaon Bypass in MH (Design Ch. 33+755 to 36+570)
- Rawanwadi Bypass (Design Ch. 38+500 to 41+690)
- Vijaynagar Bypass (Design Ch. 42+600 to 47+500)
- Realignment (Design Ch. 29+860 to 30+780)

15. Widening Details

- Proposed bypass : 27.235 km
- Realignment : 0.920 km
- Eccentric right widening : 16.475 km
- Eccentric left widening : 2.470 km
- Concentric widening : 0.970 km

16. The proposed alignment is crossing Wain Ganga River at design Ch. 11+350, Ghisarri River at Ch. 25+250, Bagh River at Ch. 29+700 and a stream at Ch. 41+980

17. Details of proposed development

- **Bridges & Culverts:** Adequate cross drainage structures will be provided to maintain the natural water flow and drainage. No. of Major Bridge – 3, No. of Minor Bridge – 12, No. of culvert – 178
- **Interchange:** The project road starts from the existing NH 35, 1 interchange has been proposed at design Ch. 0+000
- **Flyover:** New 4-Lane Flyover have been proposed at 2 locations (design Ch. 3+800 and 47+315)
- **VUP:** 3 Vehicular Underpasses, 12 Light Vehicular Underpasses and 8 Small Vehicular Underpasses are proposed have been proposed
- **ROB:** ROB has been proposed at 2 locations (design Ch. 5+360 and 13+574)
- **Junction:** 18 major junctions and 8 minor junctions have been proposed
- **Slip roads** will be provided on either side at the identified locations for a length of 14.91 km
- **Wayside Amenity:** Improvement length is less than 50 km, wayside amenity has not been proposed.
- **Toll Plaza:** 1 toll plaza (2 x 8 lane) has been proposed at Design Ch. 21+935 (Village Khara)
- **Truck Lay By:** proposed at 2 locations (Design Ch. 20+530 and 22+900)
- **Bus Bays:** 26 Bus bays at 13 Locations have been proposed
- **Estimated Project Cost:** Total project cost is **Rs. 1,099.22 Crore.**

18. Total water requirement for 24 months of construction period is 1,202,000 KL (1,647 KLD). It would be sourced from surface (40%) and ground water (60%)

19. 1.28 lakh MT Cement; 9,45,000 cum Aggregate; 6,30,000 cum Sand; 15,000 MT Bitumen; 8,500 KL Diesel; 3,421,900 cum earth material is estimated to be required for construction of the proposed project road. The construction material will be sourced from government approved quarries and borrow areas identified along the proposed project road.

Name of the Consultant: **Intercontinental Consultants and Technocrats Pvt. Ltd., New Delhi**

Sl. No. in QCI's List of Accredited EIA Consultant Organization: (17th December 2018): **89**