

F.No. 10-59/2018-IA.III

Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan,
Jor Bagh Road, Ali Ganj
New Delhi – 110 003

Dated: 26th February, 2020

To

The General Manager (Environment)
National Highways Authority of India
Ministry of Road Transport and Highways
D-61, HIG-I, Abhilasha Parisar, Behind Hitech
Bus Stand Tifra, Bilaspur (C.G.) – 495 001

Sub: Development of Bilaspur – Urga section of NH-130A (Raipur – Dhanbad Economic Corridor) starting at Junction with NH-130 & NH-130A, near Nehru Chowk, Bilaspur and terminating at junction with NH-149B & SH-4 near in the State of Chhattisgarh (approx. 70.2 km) by M/s National Highways Authority of India – Environmental Clearance regarding.

Sir,

This has reference to your letter no. 27011/7/2019/PD-BSP/BILASPUR-URGA/FOREST/4347 dated 11th September, 2019 submitting the above proposal online to this Ministry on 12th September, 2019 and subsequent clarification vide letters/emails dated 21st January, 2020, 3rd February, 2020 and 12th February, 2020, for seeking Environmental Clearance in term of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The above mentioned proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure, CRZ and other Miscellaneous projects, in its 225th meeting on 22nd October, 2019 and 230th meeting on 28-29 January, 2020.

3. The project proponent along with the EIA consultant M/s Feedback Infra Private Limited, Gurugram, made a presentation and provided following information to the Committee:

- (i) **Proposal:** The Ministry of Road Transport & Highways (MoRT&H), Govt. of India, has proposed development of 50,000 km as Economic Corridors, Inter Corridors & Feeder Routes” under “Bharatmala Pariyojana.”

Proposed project is the development of Bilaspur – Urga section of NH-130A (Raipur – Dhanbad Economic Corridor) starting at Junction with NH-130 &

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NH-130A, near Nehru Chowk, Bilaspur and terminating at junction with NH149B & SH-4 near Urga in the State of Chhattisgarh (approx. 70.2 km).

The project road under consideration aims at developing Bilaspur-Urga section of NH-130A in the state of Chhattisgarh to four lanes access-controlled Highway. The project highway alignment is green field in most of the length and starts from Dheka village at Ch. 125/050 of under construction Bilaspur bypass and terminates near Chitapali village at Ch. 8/150 of SH-04. Length of proposed alignment is 70.200 km. This section is part of Raipur-Dhanbad economic corridor.

- (ii) **Nature of project:** New/Expansion/Amendment/Extension etc.: New.
- (iii) **Location (Plot No./ Village/ Tehsil/ District):** Project shall traverse through Bilaspur, Janjgir Champa and Korba District.
- (iv) **Geo-coordinates of project site:**
 Start Point- 22°01'23.45"N, 82°12'46.50"E
 End Point- 22°15'54.01"N, 82°47'50.07"E
- (v) **Investment/Cost of the project:** ~ INR 1115.45 Crores.
- (vi) **Item of Schedule to the EIA Notification, 2006:** 7(f).
- (vii) **Why appraisal/ approval is required at the Central level:** New National Highway requires approval at Central Level.
- (viii) **Whether project involves any violation under notification S.O 804(E) dated 14.03.2017:** No Violation.
- (ix) **Project brief:** Total area, Land use, project components, connectivity to site etc.: Total Area- About 506 Ha.

Land use of 500m buffer of Proposed ROW:

Sr. No.	Category	Area in Sq. m.	Area in Ha
1	Vegetation	8411871.48	841.19
2	Scrub Land	1820444.03	182.04
3	Agriculture/Crop	28217523.59	2821.75
4	Water Body	1972603.27	197.26
5	Built-up	5497560.53	549.76
6	Mining	572069.30	57.21
7	River	755885.83	75.59
8	Water Body	6182.31	0.62
9	Scrub Land	9762940.09	976.29
10	Fallow Land	20029288.45	2002.93
	Total Area	77046368.88	7704.64

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Components: Project involves development of Greenfield Highway along with 6 Major bridges, 14 minor bridges, 134 culverts, 2 ROBs, 3 Flyovers, and 30 Vehicular Underpasses.

- (x) Project highway shall connect NH 49, NH 149 B and SH 4.
Ghatora is nearest Railway Station, 2.3 km (approx.).
Bilaspur Airport, 10 km in South West Direction.
- (xi) **Details of water bodies, impact on drainage, if any:** The proposed project passes through 3 rivers, 15 irrigation channels and 17 ponds. However, the highway shall not intersect the water bodies directly as elevated structures are proposed over these water bodies.
- (xii) **Water requirements, sources (during construction and operation phases) and NOC:** Project requires 1508891 KL of water during construction stage. Construction water shall be arranged from nearby river and potable water for construction camp shall be arranged from ground water. Necessary permission/clearance/NOC shall be obtained by the contractor before any extraction.
- (xiii) **Groundwater extraction/usage and NOC/Clearance from CGWA/State Ground Water Department:** Potable water for construction camp shall be arranged from ground water. Necessary permission/clearance/NOC shall be obtained by the contractor before any extraction.
- (xiv) **Whether the project is in Critically Polluted Area:** No, project doesn't fall in any critically polluted area.
- (xv) **ToR/EC details**
- **Date of ToR issued:** ToR was granted vide F. No. 10-59/2018-IA.III dated 09th October, 2018.
 - **Details of earlier appraisals, if any:** Project was appraised by EAC during its 225th meeting held on 22nd October 2019.
 - **Date of Public Hearing, location:**
 - 25 Feb 2019 - Near Gram Panchayat Bhawan, Amlipali (JanjgirChampa District).
 - 06 Mar 2019 - Open Area near Radha Swami Ashram, Village-Dekha (Bilaspur District).
 - 5 July 2019 - Govt. High School, Tarda Village (Korba District).
 - Major issues raised during PH and response of PP: Major issues raised by the public were related to compensation which was replied by the ADM that Compensation shall be provided to the affected person on basis of the prescribed rules of the State

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Government. The rates of the structure shall be decided by the PWD officials.

(xvi) **If the project involves expansion, copy of certified compliance report issued by concerned regional office:** Not applicable, it is a new project.

(xvii) **If the project involves diversion of forest land:** Yes.

Extent of the forest land: About 47 ha.

Status of forest clearance: Application for obtaining forest clearance has already been submitted vide MoEF&CC proposal no. FP/CG/ROAD/34338/2018 dated 22nd June, 2018.

(xviii) **If the project falls within 10 km of Protected Areas including National Parks, Sanctuaries and Tiger Reserves etc.:** No, project does not fall in any protected area.

(xix) **Waste Management**

Waste water quantity, treatment capacity: Sewage from labour camp shall be routed to septic tanks / soak pits or bio-toilets. The waste water other than sewage shall be utilized for greenbelt development and dust suppression.

Recycling / reuse of treated water and disposal: Waste water from rinsing of Batching Plants shall be utilized for dust suppression. Waste water generated from workers shall be treated in septic tanks and bio-toilets provided at site and will be utilized for greenbelt development.

Solid Waste Management: Approximately 450 Kg of Municipal Solid Waste shall be generated by the workers. It will be collected and disposed off in environmentally acceptable ways. The waste will be collected in Dark grey bin for non-recyclable waste, Green bin for food/ compostable garden waste and Blue bin for paper waste.

Recyclable waste would be re-used or disposed off by authorized recycler. Garden waste & compostable waste would be composted. Other non-recyclable waste would be disposed of through municipalities.

Hazardous Waste Management: Spent oil generated from the DG sets shall be carefully stored in HDPE drums in order to avoid spillage and shall be sold to government approved vendors.

(xx) **Details of tree cutting and Green belt development:** Approximately 15000 trees are proposed to be cut for the project. Compensatory afforestation shall be undertaken as per requisite norms. It is proposed to develop greenbelt by planting approx. 1 lakh trees.

(xxi) **Energy conservation measures with estimated saving:** Solar Street light system is proposed to be provided at the junctions provided in or nearby

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urban/semi-urban areas and over/ underpass/ flyovers. It is proposed to provide solar lights with maintenance free battery or operation & maintenance of such streetlights may be given to the same supplier.

- (xxii) **Parking requirement with provision made:** 4 nos. of truck lay byes.
- (xxiii) **Details of Rain Water Harvesting:** Rain water Harvesting at 500 mtrs at each side in 70.2 x 2 = 140.4 km has been proposed.
- (xxiv) **If the project is in CRZ area:** No.
- (xxv) **If the project involves foreshore facilities:** No, project does not involve foreshore facilities.
- (xxvi) **If the project involves Marine disposal:** No, project does not involve marine disposal.
- (xxvii) **Brief description of Socio-economic condition of local people and R&R issues involved, if any:**
- Average literacy rate of the project corridor is approximately 73.84% whereas male literacy is 85.22% and female literacy rate is 62.24%.
 - The composition of Schedule Caste (SC) in total population is 24.54% and Schedule Tribe (ST) is 17.18%.
 - Work Participation Rate of the study area is 49.17% in which males are 56.21% and females are 41.98%. Among the total workers 51.70% are main workers and rest 48.30% are marginal worker.
 - Project is passing through 45 nos. of villages, distributed across 8 Tehsils of Bilaspur, Janjgir-Champa and Korba districts of Chhattisgarh.
 - The Greenfield project will affect 122 private properties (106 Residential, 9 commercial & 7 Residential cum commercial).
 - The proposed road improvement will affect 3 religious and two government structures.
 - Out of the 127 affected structures (including CPR'S), 80 are Pucca, 3 are kutcha structures and 44 are Semi-Pucca.
 - Total 31 project affected households (PAHs) are surveyed.
 - There are altogether 145 persons excluding children below the age of 6 years (family members of affected households).
 - Out of 145 PAPs, 73 are male and 72 are female.
 - By the proposed green field project, 145 people from 31 households will be affected and in which 50.34% are male and 49.66% are female.

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- Out of the 31 PAHs, 16 belongs to Other Backward Castes (OBC), 7 are Scheduled Caste, 2 belongs to Scheduled Tribe and the remaining 6 belongs to General caste.
- Hindu population is 93.55% and remaining 6.45% families belongs to Muslim category.

(xxviii) The R&R budget has been estimated to be INR 1655.4 crores.

(xxix) **Employment potential, No. of people to be employed:** No. of people to be employed 900 (Including Permanent and Temporary).

(xxx) **Benefits of the project:** The proposed project shall enhance and improve the current route between Bilaspur and Korba which is narrow and zig-zag and thus needs to be straightened, widened and improved geometrically to mobilize the heavy traffic.

The Project will further have following benefits:

- High-speed connectivity and access.
- Decongestion of existing National and State Highways.
- Improved safety.
- Aiding economic growth.
- Growth of backward areas.
- Support to industries.

(xxxi) **Specialised Studies carried out for the project as per the ToR, if any:** Public Consultation, Risk Assessment and Social Impact Assessment has been carried out.

(xxxii) **Details of Court cases, if any:** No Court Case in respect to the Project.

(xxxiii) Proposed project required ~506.0080 hectare land which includes 391.699 (77.41%) hectare of private, 66.7569 (13.19%) of government and remaining 47.552 (9.40%) hectare of forest land will be acquired.

(xxxiv) The census survey has been carried out covering 100% Assets and Project attached household, whereas, socio-economic survey has been conducted for 25% samples.

(xxxv) Social indicator like demography, sex ratio, religious category, social stratification, education, health, occupational pattern, income categorisation and gender assessment were included in SIA.

(xxxvi) Land acquisition of about 506 ha of land is envisaged.

(xxxvii) Alignment has been fixed after due consideration of social displacement associated with structure demolition.



(xxxviii) 122 private structures (121 TH and 1 is NTH i.e. encroacher), 2 governments & 3 religious properties will be affected by the proposed greenfield project. All the structure will be fully impacted within the proposed RoW of 70 meter.

(xxxix) Out of 127 properties, 122 (96.06%) are private properties, 3 (2.36%) are religious properties (Temple/Church) and 2 (1.57%) are government structures.

(xl) Water for the project shall be sourced from Surface Water Sources through Tanker Supply located along side the project highway.

Sl. No.	Design Chainage	Name of Water Source
1	1+540	Arpa River
2	7+080	Kurung Left Bank Canal
3	16+065	Lilaghar River
4	57+375	Hasdeo Right Bank Canal
5	58+890	Hasdeo River
6	59+975	Hasdeo Left Bank Canal

(xli) **Details of Quarry Area:**

Sl. No.	Description	Unit	Total Lead	Source
1	Borrow earth Average Lead Distance	Km.	7.00	Private land
2	Sand			Kanki Village - Hasdeo River
	Average lead from source to plant location	Km.	19.00	
	Average lead to site	Km.	25.00	
3	Stone Material - Boulder stone, aggregates, stone dust			Jayramnagar Village, Champa Village
	Average lead from source to plant location	Km.	28.00	
	Average lead to site	Km.	31.00	
4	Bitumen			Pradip refinery, Jagatsinghpur, Odhisa
	Average lead from source to plant location	Km.	554.00	
6	Cement	Km.	47.00	Bilaspur
7	HYSD/TMT Bars	Km.	192.00	Bhilai, Durg
8	Fly ash	Km.	26.00	NTPC Sipat

(xlii) **Details of Borrow Areas**

Sl. No.	Sample No.	Chainage (km)	Left/Right	Location	Lead (km)	Remarks
1	BA 01	5+500	Right	Kisan Parasada	2.0	Private Land
2	BA 02	7+500	Right	Bhilai Village	0.5	Private Land

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