

3	BA 03	16+900	Right	Farhada Village	1.5	Private Land
4	BA 04	17+800	Right	Sankar Village	1.0	Private Land
5	BA 05	28+400	Right	Balaod Village	1.0	Private Land
6	BA 06	50+800	Right	Gumiya Village	2.5	Private Land
7	BA 07	57+100	Left	Kanebri Village	4.0	Private Land

- (xlili) Noise Barrier are proposed in residential area located in near vicinity of the project. Location of noise barrier location is provided in table below. However, contractor shall again consult with the villagers for further input.

Order	Tentative Chainage	Side of the Proposed Highway	Approximate Length of barrier (m)
Noise Barrier 1	70000	LHS	60
Noise Barrier 2	67900	RHS	80
Noise Barrier 3	66100	Both	100
Noise Barrier 4	60300	Both	80
Noise Barrier 5	51200	Both	100
Noise Barrier 6	2100	RHS	80
Total Length			500

4. The EAC after detailed deliberations during 230th meeting held on 28-29 January, 2020, has observed that the issues regarding SIA and R&R Plan, water bodies, quarry area and Public Hearing, disclosure of consultant, compliance of ToR condition no. 20 etc., are addressed and EIA/EMP report is revised accordingly.

The EAC, based on the information submitted, clarification provided by the project proponent and detailed discussion held on the issues in its 230th meeting on 28-29 January, 2020, has recommended the project for grant of Environmental Clearance for the development of the said project, subject to compliance of all generic conditions applicable for such projects, and the following specific conditions as mentioned below.

Based on the proposal/information submitted by project proponent, scrutiny by the Division, appraisal and recommendations by the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project **'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'**, under the provisions of the EIA Notification, 2006 and subsequent

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amendments/circulars issued thereon, and subject to the specific and general conditions as under:

PART A –SPECIFIC CONDITIONS

- (i) This Environmental Clearance is subject to outcome of court cases pending against the project proponent at Hon'ble Supreme Court of India / High Court / other Courts, if any.
- (ii) The recommendations of Cumulative Impact Assessment studies for all the packages shall be provided (to the concerned Regional Office of the MoEF&CC) along with application for last package of proposed Highway along with the monitoring reports submitted time to time.
- (iii) Detailed plan of expenditure with implementation schedule to address issues raised during Public Hearing shall be prepared and submitted to the Regional Office of this Ministry within three months. The proponent shall adhere the strict compliance of above plan to utilize funds.
- (iv) No Ground water shall be extracted and used. Approval/permission of concerned authority shall be obtained before drawing surface water from canal or any other sources. State Pollution Control Board (SPCB) concerned shall not issue Consent to operate (CTO) till the project proponent obtains such permission(s).
- (v) Submit the Traffic circulation plan to the concerned Regional Office of this Ministry within 3 months.
- (vi) The proponent shall obtain permission from the competent authorities for tree felling along the proposed alignment.
- (vii) Proponent shall plant 1,00,000 trees on either side along with the shrub plantation and grass carpeting in median of the proposed alignment. A comprehensive plan for afforestation using native species shall be provided as per the IRC Guidelines on Landscaping and Tree Plantation (2009). Effort should be made to plant local fruit trees and Ficus species on both sides of the alignment.
- (viii) Quarry areas shall be developed as water reservoirs with proper fencing around quarry area. Rain water harvesting pit shall be at least 3 - 5 m above the highest ground water table. Provisions shall be made for oil and grease removal from surface runoff. Rainwater harvesting structures shall be provided near the disposal point of the side drains as prescribed by CGWB guidelines.
- (ix) As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1st May, 2018, and proposed by the project proponent, an amount of Rs. 13.58 crores (computed on slab basis for total budget of Rs. 1115.45 crores) shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as support to Panchayats/local government, schools w.r.t. sanitation, health and hygiene, construction of public toilets in the surrounding villages,

medical camps, rainwater harvesting, Installation of street lights in nearby villages as per requirement, rejuvenation and creation of water ponds, augmentation of drinking water facilities and provision of solid waste facilities viz. vermicompost and safe drainage of waste water in consultation with concerned Panchayats. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as a project and be monitored. The monitoring report shall be submitted to this Ministry's Regional Office concerned as a part of half yearly compliance report, and to the concerned authorities including District Collector. It should be posted on the website of the project proponent.

- (x) The RoW shall not exceed 70m at any point of the proposed 8-lane alignment, except for the junction improvement at the intersections of the other roads. Standardisation of ROW for plain land and forest land to be defined and to be remain constant for all the packages.
- (xi) The proponent shall obtain the Forest Clearance for diversion of 47 ha of forest land, as required under the Forest (Conservation) Act, 1980. Project proponent shall submit an undertaking that work on non-forestry land may only be executed upto such point (to be selected by the user agency) on either side of forest land if it is explicitly certified by the user agency that in case approval under the Forest (Conservation) Act, 1980, for diversion of forest land is declined, it is technically feasible to execute the project along an alternate alignment without involving diversion of forest land. Details of all such stretches along with alternate alignment identified to bypass the forest land should be explicitly provided in the proposal seeking approval under the Forest (Conservation) Act, 1980 and the EIA Notification, 2006.
- (xii) Commencement of work in non-forest land will not confer any right on the user agency with regard to grant of approval under the Forest (Conservation) Act, 1980.

PART – B: GENERAL CONDITIONS

- (i) Responsibility for implementation of EC conditions rests with the project proponent only.
- (ii) Cut and fill works shall be carried out strictly in accordance with the design drawings proposed at the time of appraisal of the project.
- (iii) The project proponent shall obtain necessary permission from the owning agencies of water bodies/temple/tanks etc., as applicable, before execution of works.
- (iv) The project proponent shall obtain necessary permission from the concerned State(s) Irrigation Department(s) before drawing water from the river sources for the purpose of the proposed construction activity.

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- (v) Blasting shall be carried out during fixed hours (preferably during mid-day) or as permitted by the concerned authority. The timing shall be made known to all the people within 1000m (200m for pre-splitting) from the blasting site in all directions.
- (vi) The fly ash shall be used for the proposed project to comply with the Fly Ash Notification, 1999, as amended.
- (vii) Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs shall be carried out as per the extant policy of the Central/State Government, as provided under the law. All the Indian Road Congress (IRC) guidelines wherever applicable may be followed.
- (viii) All entry/exit/access points on this highway shall be appropriately designed and preferably frozen to avoid traffic congestion and pollution.
- (ix) Rain water harvesting including oil and grease trap shall be provided. Water harvesting structures shall be located at every 500m along the road. Vertical drain type rainwater harvesting structures shall be set up to minimize surface runoff losses of rainwater.
- (x) All the recommendations of the EMP shall be complied in both letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to MoEF&CC.
- (xi) Green belt development shall be undertaken as suggested in EMP.
- (xii) Sidewalk shall be provided along the bridges.
- (xiii) The seismic nature of the area shall be taken into account while designing the project.
- (xiv) IRC guidelines shall be followed for widening & up-gradation of road.
- (xv) The drain shall be at least 1m away from the toe of the embankment of the road adopting IRC guidelines.
- (xvi) Longitudinal drains shall be provided all along the project road to ensure proper drainage of the area. In addition, adequate number of under passes and culverts to act as cross drainage structures shall also be provided.
- (xvii) The solid waste generated shall be used for rehabilitating the borrow areas.
- (xviii) For providing safety to the crossing animals and avoid road accidents speed breakers/rumbled strips shall be constructed at the identified locations of the animal movements. Enough hoardings and signages shall also be put up for the public and vehicles convenience.
- (xix) Necessary clearance/approval shall be obtained for extraction of sand from the rivers.

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- (xx) The embankments/slopes and the slopes left after cutting shall be provided with vegetative growth to avoid soil erosion.
- (xxi) The hot mix plant shall be located at least 500m away from habitation and on the barren land to avoid its adverse impact on the human population.
- (xxii) For road safety, IRC guidelines in respect of road signages, service roads, bus bays, inter-sections, pedestrian crossings, etc. shall be strictly adhered to.
- (xxiii) The responses/commitments made to the issues raised during public hearing shall be complied in both letter and spirit. A hard copy of the action taken shall be submitted to the MoEF&CC and also to its concerned Regional Office.
- (xxiv) Beside fulfilling obligations under Corporate Social Responsibilities as per Company's Act, 2013, the proponent has to adhere to the followings Corporate Environment Responsibilities:
 - (a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.
 - (b) The Environment Policy shall prescribe for standard operating process/ procedures to bring into focus any infringements/ deviation/violation of the environmental or forest norms/ conditions.
 - (c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.
 - (d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.
- (xxv) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.
- (xxvi) Borrow sites for each quarry sites for road construction material and dump sites must be identified keeping in view the following:
 - (a) No excavation or dumping on private property is carried out without written consent of the owner.
 - (b) No excavation or dumping shall be allowed on wetlands, forest areas or other ecologically valuable or sensitive locations.
 - (c) Excavation work shall be done in close consultation with the Soil Conservation and Watershed Development Agencies working in the area, and
 - (d) Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the



dump sites for such materials must be secured so that they shall not leach into the ground water.

- (xxvii) As per MoEF&CC's circular no. J-11013/41/2006-IA.II (I) dated 22.09.2008, provision shall be made for supply of kerosene or cooking gas and pressure cooker to the labourers, mobile toilets, mobile STP, safe drinking water, medical health care, Crèche and temporary structures for living during construction phase.
- (xxviii) Adequate precautions shall be taken during transportation of the construction material so that it does not affect the environment adversely.
- (xxix) Borrow pits and other scars created during the road construction shall be properly levelled and treated.
- (xxx) The project proponent will set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.
- (xxxi) Full support shall be extended to the officers of this MoEF&CC and its Regional Office by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.
- (xxxii) MoEF&CC or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
- (xxxiii) In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the MoEF&CC.
- (xxxiv) The project proponents shall inform the Regional Office concerned as well as the MoEF&CC, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
- (xxxv) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to MoEF&CC and its concerned Regional Office.

5. In addition to above mentioned conditions following general guidelines are to be adhered:

- (i) The above stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991, EIA Notification, 2006 and its subsequent amendments. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act,

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1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

- (ii) Officials from the Regional Office of the Ministry who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC should also be forwarded to its concerned Regional Office.
- (iii) In case of any change(s) in the scope, the project would require a fresh appraisal by the MoEF&CC.
- (iv) The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the concerned Regional office of the MOEF&CC.
- (v) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
- (vi) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/Tehsildar's office for 30 days.
- (vii) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry, the respective Zonal Offices of CPCB and the SPCB. The criteria pollutant levels namely; PM₁₀, PM_{2.5}, SO₂, NO₂ (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (viii) The project proponent shall also submit six monthly report on the status of the compliance of stipulated EC Conditions including results of monitored data (both in hard copies as well as by email) to the concerned Regional Offices of MoEF&CC/CPCB/SPCB.
- (ix) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned

State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of the Ministry/CPCB/SPCB by e-mail.

6. This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project.
7. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
8. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
9. This issues with the approval of the Hon'ble MEF&CC.

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26/02/2020
(Raghu Kumar Kodali)
Director/Scientist-F

Copy to:

- 1) The Secretary, Department of Environment & Forests, Govt. of Chhattisgarh, Secretariat, Raipur.
- 2) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32.
- 3) The Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhavan, North Block Sector-19, Naya Raipur (C.G.).
- 4) The APCCF(C), Ministry of Environment, Forest and Climate Change, Regional Office, (Western Central Zone), Ground Floor, East Wing, New Secretariat Building Civil Lines, Nagpur-1.
- 5) IA Division, Monitoring Cell, MOEF&CC, New Delhi.
- 6) Guard file.
- 7) Notice Board.

Rearmal
26/02/2020
(Raghu Kumar Kodali)
Director/Scientist-F