

No. RK/FCA/NHAI/2668
HP Forest Department
Kunihar Forest Division

Dated Kunihar the/ 26/09/2024

From: DFO Kunihar

To: CF Bilaspur

Subject: Diversion of 33.8599 Ha. Forest land for Rehabilitation and Upgrading of Existing Road to 4 Lane with Paved Shoulder from Kolaka village to Nauni Chowk (Kolaka to Dareota Village-Pkg IIA, Dareota to Daseharan Village-Pkg IIB & Daseharan Village to Nauni Chowk-Pkg IIC) of NH 205 [Design Chainage – Km 28+800 to Km 58+450, Design Length – 29.65 Km] in the State of Himachal Pradesh (Online Proposal No. FP/HP/Road/156128/2022) - **Reg. Submission of Compliance to observations raised by IRO - Shimla**

Ref: EDS raised by IRO, Shimla vide Letter No. FC/HPC/06/16/2024 dated 25/06/2024

Sir,

With reference to the above, the point wise compliance to observations raised by IRO-Shimla on the proposal under subject is as under:

S.No.	Essential Detail Sought	Reply
1	Administrative Approval of the proposed project as mentioned and financial sanction from the competent authority needs to be provided.	<p>As per the reply of the UA; they has received administrative approval and financial sanction for Package-II C from Ministry of Road Transport and Highways, Government of India vide letter dated 28.02.2024. The same is being enclosed as Annexure 1 (a). in Part-1</p> <p>The administrative approval and financial sanction for Package-II A and Package II B are yet to be issued by MoRTH and the same shall be submitted upon receipt. An undertaking in this regard is being submitted as Annexure 1 (b). in Part-1</p>
2	The following clarification/justification in respect to the KML of the instant proposal may be provided:	The following is being submitted as under:
i)	A Complete KML of the alignment proposed of the extant proposal with clear demarcation of Forest and Non-Forest Land needs to be uploaded in the	As conveyed by UA necessary correction have been made in this regard and the same has been uploaded on Parivesh 1.0 against Part-I

	designated columns of Part-I online of the Parivesh portal	
ii)	The KML uploaded for the forest area marked as legend P01.... Which does not provide clarity of the patches involved as forest land instead of its legend should be marked as Land Revenue Records	Necessary changes have been made in the KML file as per received instructions. The revised KML has been uploaded on the Parivesh Portal.
iii)	State Govt. shall clarify the status of Forest Land under patch number P-127 to P-142 wherein from the Satellite images it seems the land is already diverted.	Pertains to Bilaspur Forest Division.
iv)	Under column B-2.4 Component wise breakup Tunnel is to be marked as a component on the KML uploaded.	Tunnel has been marked as a component in the revised KML and necessary corrections have been made in the online forest diversion proposal on Parivesh portal.
v)	It is observed that the proposed alignment passes through the established structures like buildings etc. However, as per the information provided under column 'F' of Part I mention "No". The state Govt. may clarify the same	<p>As per the reply of the UA being a EDS pertaining to them they have conveyed that the information provided under column 'F' of Part I will be changed to "Yes" as per received instructions.</p> <p>It is pertinent to mention that Social Impact Assessment (SIA) Study for the project has been carried out and total 269 structures (Pvt. + Govt. + CPRs) will be affected due to land acquisition of the subject project.</p> <p>Objections to land acquisition received from the interested persons / affected parties within 21 days from publications of 3A notification have been heard and decided upon accordingly by the Competent Authority for Land Acquisition under provisions of clause 3C of the National Highway Act, 1956.</p> <p>Subsequently, 3D notification under the National Highway Act 1956 has been published on 13.03.2023 & 21.05.2024 (Solan District) & 28.02.2023 & 08.05.2024 (Bilaspur District). Upon publication of 3D notification, the land for the project vests absolutely with the</p>

		Central Government free from all encumbrances.
3	On perusal of the proposal, it is found that there is no detail of the existing approval under FCA of the existing road. State Government is requested to provide the information in this regard in detail.	<p>The existing road sections have been constructed and made accessible for vehicular movement prior to the year 1980 before the inception of Forest (Conservation) Act, 1980 and its provisions.</p> <p>These road sections marked on Survey of India Toposheet no. 53A/15 (year 1973) and 53/A16 (year 1974) are being submitted as Annexure 3 for your kind perusal.</p>
4	It is seen that the existing RoW and Proposed RoW are not clearly recorded in the proposal. The State Government is requested to provide information in this regard. In addition, Justification of the proposed width shall be submitted and it shall be ensured that the proposed width is as per the Hill Norms (IRC) for such roads provided by MoRTH.	<p>Existing and proposed RoW has been clearly recorded in the revised KML as well as in the layout plan.</p> <p>Justification for the proposed width of RoW in the forest area is being submitted as Annexure 4.</p>
5	Under column D of Part I, i.e., the Justification document for locating the Project in forest land, does not provide details such as the involvement of "...construction of a bypass at Darlaghat (Length 4.385 km), 1 no. 2-lane twin tube tunnel (length 3.5 km-LHS & 3.6 km-RHS) and 11 culverts (6 nos. box culverts & 5 nos. pipe culverts). Whereas Pkg 118 involves construction of part of Darlaghat bypass (7.815 km), 1 no. 2-lane twin tube tunnel (length 230 m-LHS & 330 m-RHS), 1 no. LVUP, 1 no. YUP, 2 nos. minor bridges, 4 nos. major bridges, 2 nos. viaducts, 39 culverts (23 nos. box culverts & 16 nos. pipe culverts) and one wayside amenity. Pkg IIC involves construction of 1 VOP, 2 flyovers, 1 YUP, 1 SVUP, 2 nos. viaducts, 2 nos. minor bridges, 2 nos. major bridges, 145 culverts (Reconstruction-59, New construction-	The UA has uploaded the revised justification, including all structures pertaining to the respective forest division, and have been duly authenticated by the concerned Divisional Forest Officer.

	<p>45 & 41 pipe culverts) and one toll plaza...”</p> <p>It is unclear which specific part pertains to which Forest Division. Therefore, it needs to be revised according to the construction involved in each particular Forest Division and duly authenticated by the concerned DFO.</p>	
6	<p>Cost-benefit ratio analysis uploaded in para-G is not in the latest format. State Government is requested to submit the Cost-benefit ratio analysis in the latest format quantifying each parameter.</p>	<p>Necessary corrections have been made as per received instructions and the revised Cost-benefit analysis is being enclosed as Annexure 6.</p>
7	<p>Undertaking for the Submission of FRA needs to be uploaded</p>	<p>Undertaking for submission of FRA certificate application has been uploaded on the Parivesh Portal and is being enclosed as Annexure 7.</p>
8	<p>The extant proposal involved Tunneling in the Himalayan Strata. As such Geologist Report needs to be prepared by some professional institutions and uploaded to the same</p>	<p>The tunnel design process has been meticulously developed, guided by comprehensive geological investigations carried out at both the tunnel portals and along the entire tunnel alignment. These investigations included detailed analysis of the geological formations and other relevant geological features present along the proposed tunnel path. The findings from these investigations were compiled into a comprehensive geological matrix and report, which served as the cornerstone for our tunnel design.</p> <p>The initial geological investigation provided crucial insights into the terrain and subsurface conditions, enabling us to anticipate potential challenges and design the tunnel to ensure structural integrity and safety. However, a more detailed geotechnical investigation will be required to refine and confirm these initial findings.</p> <p>This geotechnical investigation will be conducted by the Concessionaire before start of construction work at site. The Concessionaire will employ advanced techniques and methodologies to assess the soil and rock properties, groundwater</p>

		<p>conditions, and other geotechnical parameters with more detail. This thorough investigation will provide critical data necessary for finalizing the tunnel design and construction methods.</p> <p>We will ensure that all relevant documents and reports are promptly shared with you as soon as the Concessionaire completes the detailed geotechnical investigation.</p>
9	<p>Digital Layout Plan which must include a legend and the proper dimensions of each component, such as Carriageway, Paved Shoulder, Earth Filling, Drain, and Protection Work, as well as area-wise calculations. Furthermore, the forest land and non-forest land involved in the proposal must be represented in the layout plan with distinct colours and need to be duly authenticated by the concerned DFO may be provided.</p>	<p>Updated digital layout plan including legend, dimensions of all necessary components along with forest and non-forest land involved are being enclosed as Annexure 8 (a).</p> <p>The component wise area details are being enclosed as Annexure 8 (b).</p> <p>The same has been duly authenticated by the undersigned.</p>
10	<p>Detailed muck disposal plan including the details like quantity of muck likely to be generated including swell factor, quantity of muck likely to be utilized and the balance quantity to be disposed of at identified muck disposal sites, carrying capacity of the muck dumping sites, photographs of the muck dumping sites along with the reclamation plan duly approved by the DFO shall be submitted.</p>	<p>Detailed Muck disposal management plan along with a reclamation plan has been uploaded on the Parivesh portal and is also being enclosed as Annexure 9 against Part 1 by UA. The same has been approved by the undersigned.</p>
11	<p>Documentary evidence of the forest land involved (Jamabandi) need to be uploaded.</p>	<p>Documentary evidence of the forest land involved (Jamabandi) for both the forest divisions has been obtained from the Revenue Department, Himachal Pradesh. The same will be uploaded on the Parivesh portal and is being enclosed as Annexure 10.</p>
12	<p>The private land (Non-Forest) is also included in the proposal. Therefore, consent of the private landowners by way of sale/Gift Deed/ NOC or any other form is also required to be uploaded.</p>	<p>As conveyed by UA Land acquisition and compensation to project affected persons in National Highway projects is carried out under the provisions of "National Highways Act, 1956." 3D notification for land acquisition under this act has been published on</p>

		13.03.2023 & 21.05.2024 in Solan District and 28.02.2023 & 08.05.2024 in Bilaspur District.
13	Complete enumeration list of trees including the compartment no and along with date of tree enumeration. Furthermore, Details of saplings are not included in the tree enumeration list. State government is required to provide the tree enumeration list along with the details of the saplings proposed to be affected in the proposal as per the information provided under column 4 (ii) for the respective divisions.	Complete enumeration lists of trees indicating the forest wise date of enumeration has been uploaded against the additional information; However, as against the column 4 (ii) only the girth class wise trees can be uploaded; the detail of 108 saplings have been uploaded against the lowest girth class of 0-30 cm with Scientific Name as Others and Common/vernacular name as Sapling.
14	Large numbers of trees (total 11,820) are important local species for groundwater recharge as well as important fodder tree for the local communities. Therefore, the possibility of reducing the number of total number of trees may for feeling may be explored, and a revised enumeration list may be provided.	The proposed alignment has been fixed based on technical as well as environmental considerations. The number of trees required to be felled are bare minimum and are unavoidable. The UA has submitted an undertaking in this regard as Annexure 11 & the same is uploaded against part 1.
15	The DFO will provide the list of trees to be felled and retained. Also, an Undertaking regarding the possibility of translocation of the saplings before execution of the project from PRow and Dumping Sites shall be provided.	As dovetailed above at point no 14 the proposed alignment has been fixed based on technical as well as environmental considerations. The number of trees required to be felled are bare minimum and are unavoidable. However, the undertaking to the effect regarding the translocation of sapling prior to the commencement of work by UA duly acknowledged by the undersigned has been uploaded against the additional information column in part -II.
16	The NPV calculated for the Bilaspur Forest Division is currently based on the Eco Class V Open Category. However, according to the information provided in Part II, the density of the proposed DA is 0.7. Therefore, the NPV for the proposed DA area needs to be recalculated under the Very Dense Category of Eco Class V.	EDS sought pertains to Bilaspur Forest Division.
17	The diversion area is in hilly terrain and large numbers of trees will be affected;	The UA has submitted an undertaking for submission of Soil Moisture

	hence soil erosion is inevitable. Therefore, The Soil Moisture Conservation Plan (SMC), along with its cost of implementation as per MoEF&CC dated 07.06.2022, may be provided/uploaded.	Conservation Plan (SMC) along with detailed cost of its implementation as per MoEF & CC directions dated 07.06.2022 and 16.01.2023 is being enclosed herewith as Annexure 12 .
18	Clarification required for the proposed CA area are as follows:	Clarification related to CA land pertains to Forest Department as Degraded Forest Land has been identified for Compensatory Afforestation.
i)	Google Earth Findings CA site named DPF Baila 10 ha. CA: According to the Google Earth latest image data dated 10/2023 it seems that approx. 4.5 (ha.) is under the plantation/vegetation/mature/medium-sized trees out of 10 (ha.)	Necessary corrections in kml file, Survey of India Toposheets has been made and revised file & map are uploaded against the Part-II of Parivesh Portal. As per the google earth image dated 10/2023 the area seems to be under vegetation cover which including woody elements from shrubs to Trees; however; after the complete inspection of the area, it is mostly the lantana growth; with tree population 0-10 percent that too of chirpine which makes it a degraded area as it is on heavy fires during fire season.
ii)	Google Earth Findings CA site named Kanlah 10 ha: According to the Google Earth latest image data dated 12/2022 it seems that approx. 1.5 (ha.) is under the plantation/vegetation/trees out of 10 (ha.). DGPS map Latitude-Longitude are missing from the pdf uploaded at the s.no. 13 (iii) under Kunihar forest division. It is mandatory to provide DGPS map geo-coordinates for the verification of the proposed site and future reference	The necessary corrections in kml file and the SOI toposheet has been made and the area which seems under vegetation is scrub forest having the scrub growth of lantana and other shrubs. The DGPS map geocoordinates has been uploaded in Part-II.
iii)	Google Earth Findings CA site named UPF Tipra 15 ha.: According to the Google Earth latest image data dated 04/2024 it seems that approx. 0.1 (ha.) is under the plantation/vegetation/trees/concrete structure out of 15 (ha.)	Necessary rectification has been done and revised kml and SOI Toposheet has been uploaded.

iv)	Google Earth Findings CA site named GPS Malyawar: According to the Google Earth latest image data dated 04/2023 it seems that in approx. 1.5 (ha.) is under the plantation/vegetation/trees out of 25.1 (ha.)	Pertains to Bilaspur Forest Division
v)	Google Earth Findings CA site named GPS Gangloh: According to the Google Earth latest image data dated 11/2022 it seems that approx. 07 (ha.) is under the plantation/vegetation/trees out of 10.4 (ha.).	Pertains to Bilaspur Forest Division
vi)	Demarcation of CA sites on the provided SOI Toposheet pdf is missing	Necessary corrections have been made and have been uploaded on portal.
vii)	A complete CA scheme for UPF Gangloh needs to be uploaded under column 13 (ii) for the Bilaspur Forest division	Pertains to Bilaspur Forest Division.
viii)	The State Govt. shall submit a certificate regarding the non-availability of suitable non-forest land for raising compensatory afforestation in the format specified under Schedule III as mentioned in the Consolidated Guidelines and Clarifications Issued Under Van (Sanrakshan Evam Samvardhan) Adhinyam, 1980 And Van (Sanrakshan Evam Samvardhan) Rules, 2023.	The necessary certificate issued from Director of Land Records, Govt. of Himachal Pradesh on behalf of Chief Secretary, GoHP has been uploaded against additional information column in Part-II.
ix)	The Status of Proposed CA lands may be provided, whether it is a Govt. Wasteland is declared as PF under HP Govt. notification, 1952, or it is notified as UPF/DPF under IFA 1927?	The forest area mentioned as DPF/UPF are designated as Forest areas under IFA,1927 while the forest areas designated as UF are designated as forest as per HP Govt. Notification, 1952.


 Divisional Forest Officer
 Kunihar Forest Division

