



Office of  
**EXECUTIVE ENGINEER, SUNDER NAGAR DIVISION**  
Himachal Pradesh Public Works Department Sunder Nagar  
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Dated:- 19-5-2022

No.PW-SNR/WA/R-27/Jarol Tharu/2022-

To

Divisional Forest Officer,  
Suket Forest Division,  
Sunder Nagar.

Subject:-

3254-55  
Diversion of forest land for the construction of Jarol to Tharu  
Road Km. 0/0 to 3/00, within the jurisdiction of Suket Forest  
Division Distt. Mandi HP (Online Proposal No.  
FP/HP/Road/51141/2020)

Referene:-

Your office endorsement No.11850 dated 10/03/2022.

The point wise replies of attended observations, raised by the Nodal  
Officer-Cum-PCCF Shimla vide his letter No. FC/HPB/06/10/2022 dated 02/2022, is as  
under :-

1. The revised Non availability Certificate issued by Deputy Commissioner Mandi in the present prosposal road length in Km 0/00 to 3/00 have now been attached duly signed by the undersigned.
2. The Under Taking to provide FRA certificates along with all prescribed annexures including records of all consultations & meeting wih Gram Sabha has already been provided with the Proposal Folders, Further it is again Submitted that the Complete FRA certificates will be Submitted at the time of Final Appoval.
4. The muck management plan (MMP) has been attached with the proposal folders.
5. These point pertain to Forest Department
6. Detail Plan of Mitigation Measures to be adopted to Arrest Soil Erosion and measures adopted for Ecogical Restoration of Forest Land is being discussed below.
  1. One of the most common environmental challenges in road works is soil erosion. If not properly controlled, runoff from the road servitude and surrounding land can cause extensive damages both to the roads and adjacent property. This calls for the provision of (1) appropriate drainage structures on the road to reduce the concentration of water, and (2) suitable erosion control structures to protect the adjacent land. Hence proper provison has been made in DPR of the proposed Road.
  2. Erosion control measures include scour checks and check dams in drains a protection of outfalls from culverts and bridges; stabilization of drains a

embankments by using suitable vegetative material will be done. The impact and Mitigation measures have been discussed briefly as below.

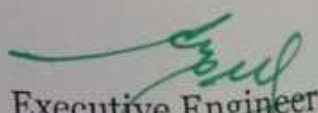
Sr.No	IMPACTS Direct: During Construction	MITIGATION MEASURES
1	Interruption of subsoil and overland Drainage patterns (in areas of cuts and fills).	Installation of adequate drainage works will be carried out.
2	Landslides, slumps, slips and other mass movements in road cuts.	<ul style="list-style-type: none"> <li>• Route alignment to avoid inherently unstable areas.</li> <li>• Design of drainage works to minimize changes in surface flows and adequate to local condition, according to prior surveys.</li> <li>• Stabilization of road cuts with structures (concrete walls, dry wall masonry, gabions, etc.).</li> </ul>
3	Erosion of lands below the road bed receiving concentrated outflow carried by Covered or open drains.	<ul style="list-style-type: none"> <li>• Increase in number of drain outlets.</li> <li>• Drain outlets placed so as to avoid cascade effect.</li> <li>• Lining of receiving surface with stones, concrete.</li> </ul>
4	Increased suspended sediment in streams affected by road cut erosion, decline in water quality and increased sedimentation downstream.	<ul style="list-style-type: none"> <li>• Establishment of vegetative cover on erodible surfaces as soon as possible.</li> <li>• Establishment of retention ponds to reduce sediment load before water enters stream if required.</li> </ul>
5	Marred landscape (scars from road cuts, induced landslide and slumps, etc.).	Maintenance and/or restoration of roadside vegetation.

Further proper care will be taken for the muck disposal and as per requirement plantation of trees will be done.

7. Photocopies of project approval document have now been attached duly attested by the undersigned.

It is therefore requested that the same may kindly be checked and forwarded to the higher authority for further approval please.

DA:- As Above

  
Executive Engineer,  
Sunder Nagar Division,  
HP.PWD Sunder Nagar.

Copy to the following for information and necessary action:

1. The Assistant Engineer, Suket Sub Division, HPPWD Sundernagar.

Executive Engineer,