

## प्रारूप-49

परियोजना का नाम :— उत्तराखण्ड राज्य में 126 कि०मी० ऋषिकेश—कर्णप्रयाग नई ब्रॉड गेज रेल लाईन निर्माण ।

मलवा निस्तारण योजना इस मार्गदर्शिका के परिषिष्ट में दिये माडल अनुसार तैयार की जानी है।

परियोजना से उत्पादित मलवे के वैज्ञानिक विधि से उचित निस्तारण की योजना व गूगल मानचित्र संलग्न है।

टिप्पणी:-

1. सम्पूर्ण परियोजना का प्रस्तावित *Muck disposal plan* का विवरण संलग्न है। जिसमें प्रत्येक सुरंग से उत्पादित मलवे के आयतन की गणना का विवरण संलग्न है।
2. *Schematic Map* में मलवा उत्पादन स्थल एवं मलवा निस्तारण स्थल दर्शाया गया है।
3. *Muck dumping location shown on satellite imagery* संलग्न है।

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प्रेसांगन वनाधिकारी  
रुद्रप्रयाग वन प्रभाग  
रुद्रप्रयाग वन

उप प्रभागीय वनाधिकारी  
रुद्रप्रयाग  
रुद्रप्रयाग वन प्रभाग

राजि अधिकारी  
रुद्रप्रयाग  
रुद्रप्रयाग वन व्यापारी  
रुद्रप्रयाग रेज

# MUCK DISPOSAL PLAN

## 1.0 INTRODUCTION

In addition to already acquired land for whole of the project (Rishikesh- Karnprayag Rail Line), a requirement of additional land falling under civil forest land category, measuring an area of 1.455 Ha(irregular in shape) is needed to provide "stability" to proposed tunnel (T-14) portal (P1) and side slope stability of station (Tilani Station) yard. The additional land fall at Chainage Km 101+430 (new chainage) and shall be used to provide stability to portal and station yard and shall be in "open". The proposed Tunnel (T14) start at Chainage Km 101+570 (new chainage) and end at Km 108+055 (new chainage).It's clear from the above paragraph that the additional land shall be used in "Open".

## 2.0 QUANTITY OF MUCK TO BE GENERATED

The additional land is required to provide stability to portal of tunnel (T14) and station yard and, thus the muck generated from the area shall be mainly from Tunnel (T14) excavation and open area excavation. The muck generated from Tunnel (T14 P1) and shall be as follows:

Code	Chainage (Km)		Length (m)	Total (Cum)	Remarks
	Start	End			
From Tunnel -14 P1 (drive)	101+570 (new chainage)	104+770 (New chainage)	3200	347265	The maximum area of the additional civil forest will be used for stabilization of the main tunnel and escape tunnel portal as borehole-wise rock has been found at the site which is suitable for portal stabilization.
Open area for slope stabilizatio n at T14	101+430	101+570	140	494113	In the civil forest area, only the top bench part of the slope stabilization of the station yard comes, the rest of the slope stabilization part comes in the private land which has been proposed for acquisition to the

					revenue department.
Total muck generated				841378	
Muck used for crusher plant (approx. 35% of total)				294482	Shotcrete and concrete work is to be done in tunnel work and slope stabilization work. An estimated 35% of the muck is to be used for making aggregate and crushed sand through crusher, the rest will have to be dumped in the dumping yard.
Muck dumped at dumping site (D28) (approx.)				546896	

### 3.0 MUCK DISPOSAL PLAN

In compliance of REC observations during the site visit on 21st Nov to 23rd Nov, 2016, the muck disposal plan has been revised and approved for whole of the alignment (The Details annexed with this report as annexure-11). The Muck generated from the portal (P1) of Tunnel (T14) including tunnel muck shall be disposed off at Tilani Dumping Yard, located at chainage Km 100+400, having capacity 769,280.00 Cum.

### 4.0 QUANTITY OF MUCK PROPOSED TO BE USED IN FILLING

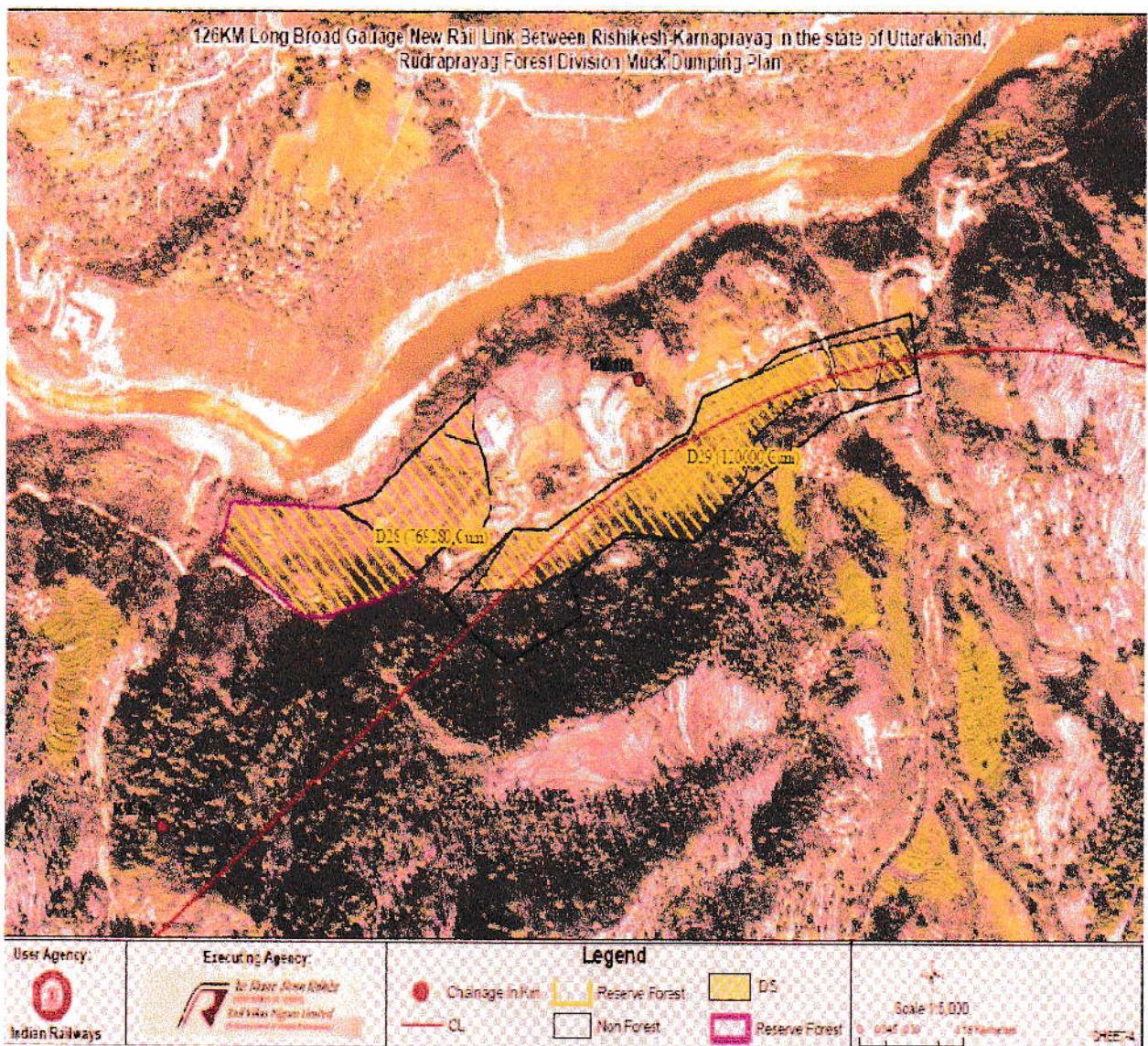
The extra muck generated from the above additional land, after leveling as per engineering requirement, shall be dispose off at "Tilani Muck Dumping Yard".

### 5.0 QUANTITY OF MUCK PROPOSED TO BE DUMPED IN DUMPING SITE

The muck dumped from the portal (P1) of tunnel (T14) and tunnel (T14) shall be around 546896.00 Cum and the same shall be disposed off at "Tilani Dumping Yard, located at chainage Km 100+400, having capacity 769,280.00 Cum. The Tilani Dumping yard has been already been approved by the competent authority and having capacity more than the muck generated from the area. In this dumping yard the muck originating from P2 of Tunnel 13, slope stabilization of open area T-14 P1 and muck coming out of T 14 P-1 will be dumped.

  
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## 6.0 MUCK DUMPING SITE MARKED ON GOOGLE IMAGINARY



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