

Muck Disposal Plan

Name of Proposal: -“Development of Economic Corridors, Inter-corridors, feeder routes and Coastal Road to improve the efficiency of freight movement in India (Lot-3/Odisha & Jharkhand/Package-2) Raipur-Vishakhapatnam (Ch. 0.000 - Ch. 124.661 km) (Length 124.661 km) in the State of Chhattisgarh under Bharatmala Pariyojana. (Forest Proposal is for between km 42+844 to Km 124+661).”

INTRODUCTION

Construction of this project road having total length of 124.661 km is a green field alignment having PRow 60 meter in general and 45 meter in Forest Area, embankment height (in general) 2.00 to 2.5 meter located on plane terrain. In a small section of project road cutting and tunnelling is proposed and to raise the height of embankment additional earth material is required and muck generated in tunnelling & cutting portion will be reutilized in project work. Required details are tabulated below;

SL	Particulars	Remarks
1	Calculation of muck to be generated. Swell factor to be applied.	Since, the project road alignment is mostly located in plain area having some scope of tunneling (2650 m) and hill cutting, muck will be generated. Since, project road length is about 124.661 km length having PRow 60 meter in general and 45 meter in forest/ hilly area with average embankment height 2.0-to-2.5-meter, entire generated muck will be re-utilized in road work to raise the embankment. No muck will be remaining to dispose. It is to be noted that to raise Final Road/ Level (FRL)/ Road Embankment, significant quantity of earth material will be required instead of generation of muck.
2.	Quantity of muck to be utilized in the project activities	As stated in above column, disposal of Muck is very unlikely. However, some construction debris are likely to be generated and which will be utilized (like in embankment, leveling, making approach road, worker camp etc) in project work and no disposal is required.
3.	Balance quantity of muck which requires disposal/ management plan.	No Balance quantity is estimated, construction related debris will be utilized in project work.
4	Carriage of muck from the muck generation site to the dumping site.	Not applicable, due to above mentioned reason in column no. 1 & 2.
5.	Ownership of land and the consent of land owners in case muck disposal is proposed on non-forest land.	Not applicable, due to above mentioned reason in column no. 1 & 2.
6	Photograph & carrying capacity of proposed dumping site (Muck disposal site)	Not applicable, due to above mentioned reason in column no. 1 & 2.
7	Development of dumping site-construction of	Not applicable, due to above mentioned reason


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	retaining walls and other structure as per requirement of the site. The objective is to completely stop rolling down of the muck.	in column no. 1 & 2.
8	Rehabilitation of dumping site like leveling, planting of grass, shrubs and tree species.	Not applicable

Note: - Cost to be incurred on the above activities has to be given component wise. Details of dumping site including length, width and height of structures to be erected must be mentioned. Undertaking by user agency has to be given to the effect that:

- 1. Muck management plan will be implemented by user agency and in case of non-implementation of plan; they will be liable to penalty / action at their cost*
- 2. The proposed dumping site is located away from river/ stream/ Nala-NA*

Date: - 28/06/2021

Place:-Dhamtari

Project Director

NHAI – PIU Dhamtari , Chhattisgarh

Name: - Savyasachi Choudhury

Seal & Signature

PROJECT DIRECTOR
NHAI, PIU, Dhamtari (C.G.)