

## Muck Disposal Plan

**Name of Projects:-** Development of Economic Corridors, Inter Corridors, Feeder Routes to improve the efficiency of freight movement in India under Bharatmala Pariyojna (Lot-2/UP/pkg-1: Sonauli to Gorakhpur km 0+000 to km 81+204 of NH- 29E)), in the State of Uttar Pradesh.

### INTRODUCTION

Construction Sonauli to Gorakhpur project having total length of 81+204 km is a existing road having PROW 45 meter and embankment height (in general) 1.00 to 1.5 meter located on plane terrain. Any cutting , tunneling is not proposed and to raise the height of embankment additional earth material is required and not muck will be generated. As 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 entirely located in plane area having no scope of tunneling or hill cutting except pilling work only small quantity of muck will be generated which will be utilized in project work at filling of approach road embankment and making haul road, approach road etc. Accordingly, no calculation and swell factor is applicable. 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 above column, generation of significant quantity of muck which needs its disposal is very unlikely. However, some construction debris are likely to be generated and which will be utilized (like 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 utilizes 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	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 retaining walls and other structure as per requirement of the site. The objective is to completely stop rolling down of the muck.	Not applicable, due to above mentioned reason in column no 1&2.
8	Rehabilitation of dumping site like leveling, planting of grass, hurbs 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/Naia



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