



**BHARAT SANCHAR NIGAM LIMITED**  
**OFFICE OF DIVISIONAL ENGINEER TELECOM PROJECTS**  
**4<sup>TH</sup> FLOOR, TAX BHAWAN, AGRA-282003**

Muck Disposal Management Plans

The preparing FCA Case if there is any activity in the project which involves the digging of land , muck disposal management plan has to be prepared.

1.Calculation of muck to be generated swell factor has to be applied	Description	Section length	Quantity(Cu.m)
	Laying of optical fiber cable and associated work from Chainage Km 66 +230 M( Numais Road Crossing ) on NH 92 Etawah to Chainage Km 74+560 M (Udi Mod Crossing) on NH 92in Distt Etawah .and total effective area of section is 0.374hac. In state of Uttar Pradesh.	8.330 km	(8.330x6 )x1.65x1x1 =82.467 cubic mtr
		Swell factor @40%	32.987 cubic mtr
		Total muck generated from excavation of Earth.	115.454 cubic mtr
2.Quantity of muck to be utilized in the project activities in the project activities	Muck generated from excavation of earth is required for back filling the pits and installation and refilling of jointing chambers is equal to the quantity of muck generated during execution of earth work that is 115.454 cubic meter. Therefore the project does not require any land for muck disposal.		
3.Balance quantity of muck , which requires disposal /management plan	No balance muck		
4.Carriage of muck from the muck generation site to the dumping site.	Not applicable		
5.Ownership of land and the consent of land owner ,in case muck disposal is proposed dumping site (muck disposal site)	Not applicable		
6.Photograph and carrying capacity of proposed dumping site(muck disposal site)	Not applicable		

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7. Development of dumping site construction of retaining walls and other construction as per requirement.	Not applicable
8. Rehabilitation of dumping site like leveling, planting of grass, shrubs and their species.	Not applicable

  
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## **UNDERTAKING**

### **Muck management plan**

It is hereby undertaken that the muck management plan will be implemented by the BSNL as mentioned in the muck management plan and in case of non implementation of plan, department will be responsible for penalty or action taken by the concerning department. The proposed muck disposal site/dumping site is located away from river/nala/stream. The cost of laying the muck shall be borne by BSNL.

  
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