




### Details of Muck disposal Sites

S.No.	Name of Dumping Sites	Location of Dumping Site	Area in hactare	Capacity in cum	Vol. of muck to be dumped in cum
1	Muck disposal site D1	Right hand side of project road from km Rd: 1.650 to 1.700	0.1	3750	7712.77
2	Muck disposal site D2	Right hand side of project road from km Rd: 2.350 to 2.400	0.1	4375	
3	Muck disposal site D3	Left hand side of project road from km Rd: 5.925 to 5.975	0.1	3487.5	7734.72
4	Muck disposal site D4	Left hand side of project road from km Rd: 6.350 to 6.400	0.1	2187.5	
5	Muck disposal site D5	Left hand side of project road from km Rd: 6.925 to 6.975	0.1	3750	
				Total	15447.49

Thus, 15447.49 cum quantity of muck will be dumped at dumping sites shown in muck disposal plan for which an area of 0.50 hactare has been proposed at different locations. Gabbion wall will be constructed at the border of proposed muck dumping site so that it cannot be spread in another area.


  
H.E  
HARIS JHA MAJEED


  
Assistant Executive Engineer  
PMGSY Sub Division  
Bhadrawah  
Atta Mohd Sheikh

  
Er. Mohan Lal Bahu  
Executive Engineer  
PMGSY Division  
Doda

Abstract of Muck Generated And its Disposal												
Project component	Quantity of Muck/debris generated (cum)		Estimated quantity of muck/ debris proposed to be utilized (cum)		Balance quantity of muck/ debris (cum)		Quantity of muck due to swell factor (cum)		Name of the dumping site	Area of the dumping site	Capacity Of the Dumping Site (Cum)	
	Rock	Soil	Rock	Soil	Rock	Soil	Rock (25%)	Soil (25%)				
Road	7276.35	12358	7276.35	0	0	12358	0	15447.5	Muck Dumping Site D-1	0.1	3750	
									Muck Dumping Site D-2	0.1	4375	
									Muck Dumping Site D-3	0.1	3487.5	
									Muck Dumping Site D-4	0.1	2187.5	
									Muck Dumping Site D-5	0.1	3750	

  
HARIS JHA MIRJEED

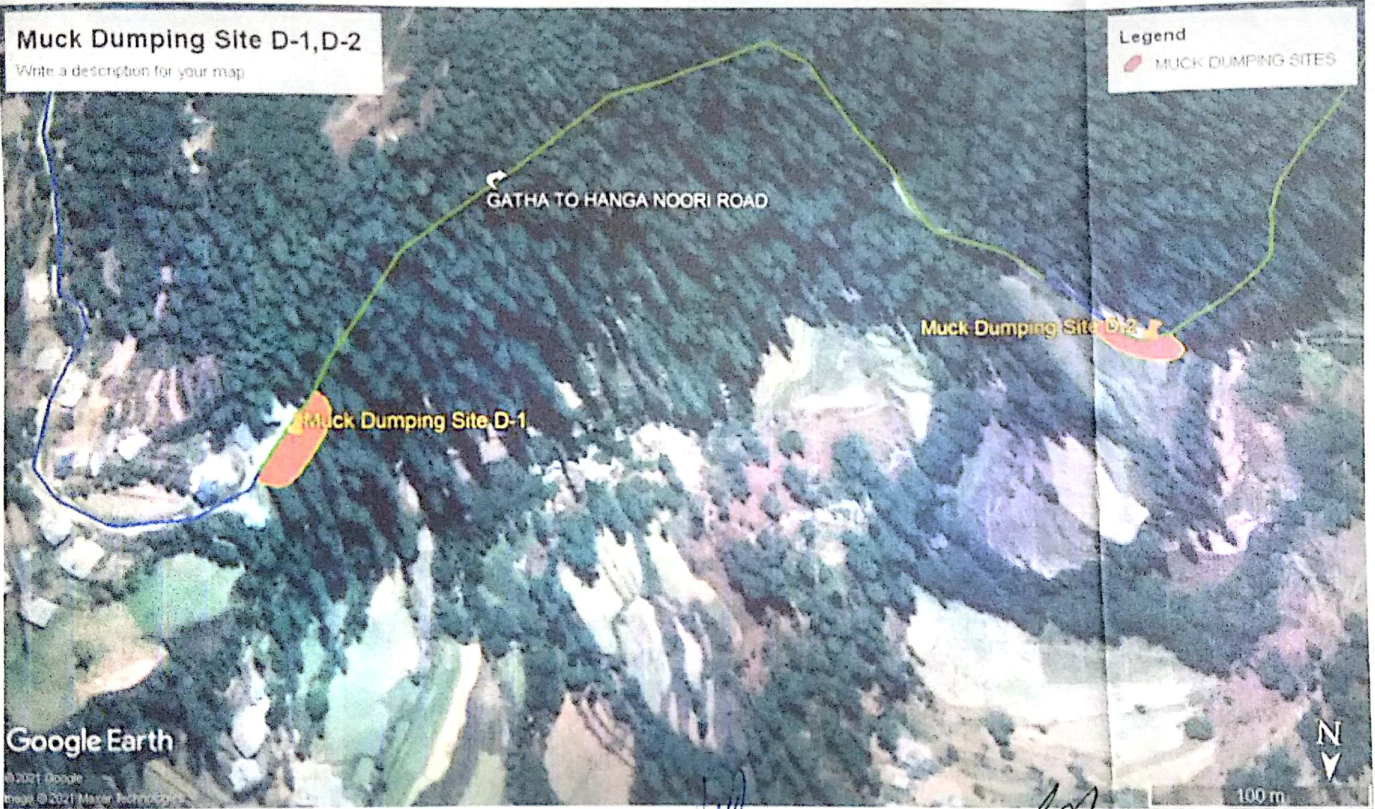
  
Assistant Executive Engineer  
PMGSY Sub Division  
Bhaderwah  
Atta Mohd Sheikh

  
Er. Mahendra Bahur  
Executive Engineer  
PMGSY Division  
Doda

**Muck Dumping Site D-1,D-2**

Write a description for your map

**Legend**  
MUCK DUMPING SITES



*[Signature]*  
HARIS JAHANGEED

*[Signature]*  
Assistant Executive Engineer  
PMGSY Sub Division  
Baderwah  
Atta Mohd Sheikh

*[Signature]*  
Executive Engineer  
PMGSY Division  
Doda  
Er. Mohan Lal Bahu



*[Signature]*  
HARIS JHA MAJEED

*[Signature]*  
Assistant Executive Engineer  
PMGSY Sub Division  
Bhaderwah  
Atta Mohd Sheikh

*[Signature]*  
Executive Engineer  
PMGSY Sub Division  
Doda  
E. Mohan Lal Bahu

**MODEL PLAN RELATED TO ENGINEERING MEASURES FOR STABILISATION OF MUCK DUMPING SITES IN FOREST AREA FOR CONSTRUCTION OF GATHA TO HANGA NOORI ROAD PACKAGE NO:- JK04-641, PHASE XII , BLOCK BHADERWAH DISTT DODA.**

Typical Estimate for construction of crated wall to protect Dumping Sites of Surplus Muck/Excavated Material in forest area as per Engineering Measures.

1. Earthwork in excavation for foundation of structures complete as per drawing & technical specification in 70% ordinary soil , 20% ordinary rock , 10% Hard Rock.  
Length of crated wall =

No of Dumping Sites in Forest area = 05 Nos  
=  $05 \times 50\text{mtr} \times 1.5\text{mtr} \times 1.2\text{mtr}$   
= 450cum @ Rs 363/cum  
= Rs 163350/-

2. For Two Layered Crated Walls

Quantity =  $05 \times 02 \times 50\text{mtr} \times 1.2\text{mtr} \times 1.2\text{mtr} = 720 \text{ cum}$   
Amount = 720cum @ Rs 2000/cum (including cost of crates and labour)  
= Rs 1440000/-

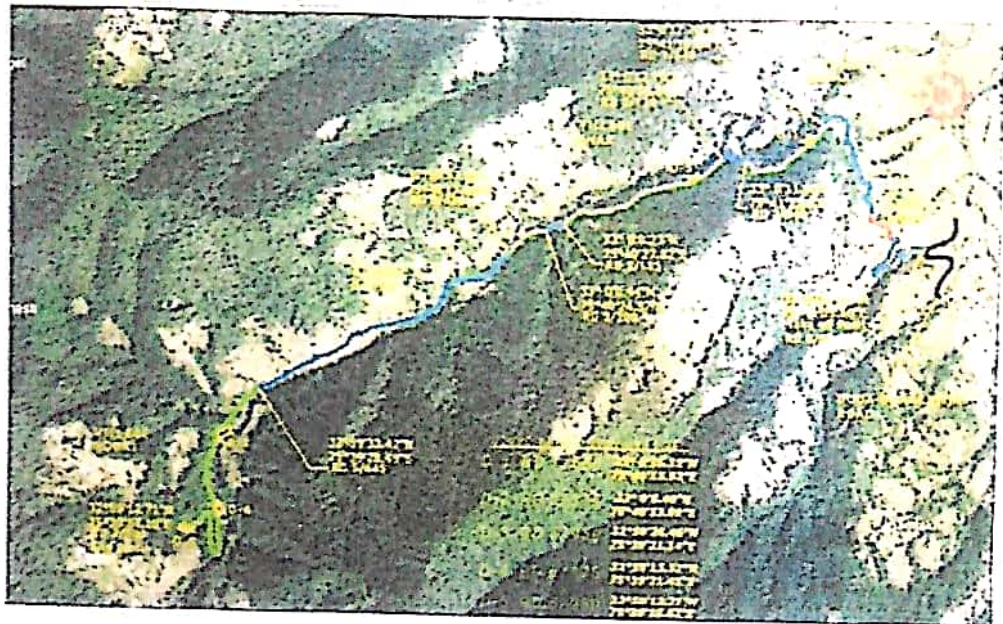
Total amount for two layered crates for two number of dumping sites (50 mtrs each)  
Located in forest area = Rs (163350+1440000)  
= Rs 1603350/-

  
HARIS JHA NAJEED

  
Assistant Executive Engineer  
PMGSY Sub Division  
BHADERWAH  
ATTA MOHD SHEIKH

  
Er. Mohan Lal Bhatt  
Executive Engineer  
PMGSY Doda

### LAYOUT PLAN OF MUCK DUMPING SITES



**LEGEND:**

...	...
...	...
...	...
...	...
...	...

### IMPLEMENTATION OF ENGINEERING MEASURES AT MUCK DUMPING SITES

It has been observed that after disposal of muck, it creates problem as it is susceptible to scattering unless the muck disposal yards are supported with engineering measures such as protective walls/ Gabions walls. All the dumping sites need proper handling to avoid spilling of muck while dumping and in the post dumping stages. All the muck disposal sites have to be developed from the ground level either by providing stone masonry or by gabion structures. Gabion walls will be provided to support disposed muck. In all the muck dumping sites, the muck brought in by dumpers shall be dumped and manually spread and roller compacted in such a way that rock mass is properly stacked behind the Gabions with minimum of voids.

### BUDGETS FOR MUCK DISPOSAL PLAN

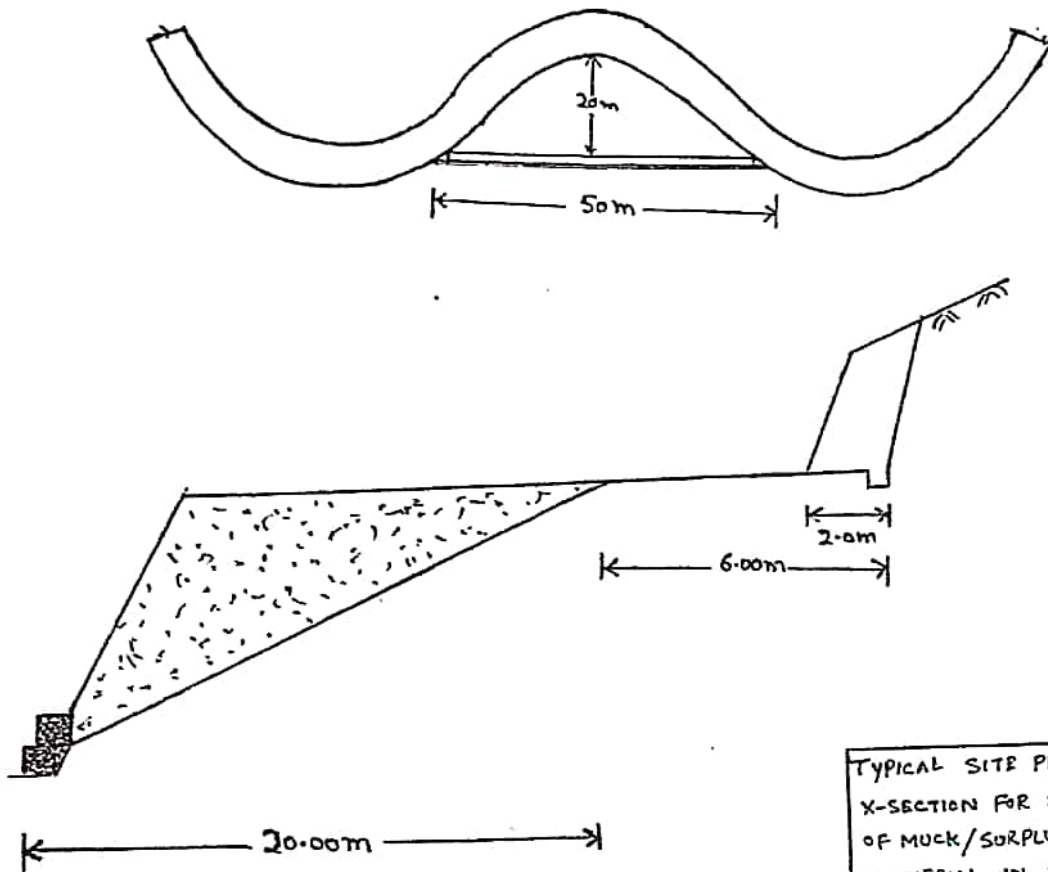
An estimate has been made for engineering measures of Muck Disposal Plan at Rs 16.03 lacs . Proposed Gabion copy enclosed.

*[Signature]*  
7.6

HARIS JHA MAJIBED

*[Signature]*  
Assistant Executive Engineer  
PMGSY Sub Division  
*[Signature]*  
ATTIA MOHD SHEIKH

*[Signature]*  
Er. Mohan Lal Bhatt  
Executive Engineer  
PMGSY Doda



TYPICAL SITE PLAN AND X-SECTION FOR STABILIZATION OF MUCK/SURPLUS EXCAVATED MATERIAL IN FOREST AREA ON ROAD NAMEDLY GATHA TO HANGA NOORI PKG. NO. JK04-640, STAGE-UPGRADATION BLOCK- BHADERWAH, DISTT. DODA.

*(Signature)*  
MARIS JHA MAJEED

*(Signature)*  
Assistant Executive Engineer  
PMGSY Sub Division  
Bhaderwah  
ATTA NOHD-SHEIKH

*(Signature)*  
*(Signature)*  
Assistant Executive Engineer  
PMGSY Doda