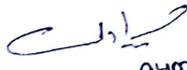


Abstract of Muck Generated And its Disposal

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	5629.84	13136	5629.84	0	0	13136.2	0	16420.3	Muck Dumping Site D-1	0.1	3560
									Muck Dumping Site D-2	0.1	3450
									Muck Dumping Site D-3	0.1	2240
									Muck Dumping Site D-4	0.1	3950
									Muck Dumping Site D-5	0.1	3220.25
Total											16420.3


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Ev. MOHAN LAL BAHU

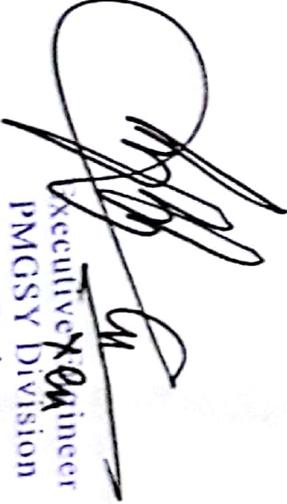
Details of Muck disposal Sites

S.No.	Name of Dumping Sites	Location of Dumping Site	Area in hectare	Capacity In cum	Vol. of muck to be dumped In cum
1	Muck disposal site D1 (Revenue Land)	Right hand side of project road from R.D:1.125	0.1	3800	3560
2	Muck disposal site D2 (Forest Land)	Right hand side of project road from km R.D:1.250	0.1	3700	3450
3	Muck disposal site D3 (Forest Land)	Left hand side of project road from R.D:2.325	0.1	2400	2240
4	Muck disposal site D4 (Revenue Land)	Left hand side of project road from R.D:2.400	0.1	4100	3950
5	Muck disposal site D5 (Revenue Land)	Right hand side of project road from R.D:3.150	0.1	3400	3220.25
Total					16420.27

Thus, 16420.27 cum quantity of muck will be dumped at dumping sites shown in muck disposal plan for which an area of 0.50 hectare has been proposed at different locations. Gabblon wall will be constructed at the border of proposed muck dumping site so that it cannot be spread in another area.


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MODEL PLAN RELATED TO ENGINEERING MEASURES FOR STABILISATION OF MUCK DUMPING SITES IN FOREST AREA FOR CONSTRUCTION OF BHARA TO MANDIR MOHALLA GODHA ROAD PACKAGE NO JK04-521, 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= 50 mtrs

No of Dumping Sites in Forest area=02 Nos

$$= 02 \times 50 \text{mtr} \times 1.4 \text{mtr} \times 1.2 \text{mtr}$$

$$= 168 \text{cum @Rs 363/cum}$$

$$= \text{Rs } 60984/-$$

2. For Two layered Crated Walls

$$\text{Quantity} = 02 \times 02 \times 50 \text{mtrs} \times 1.2 \text{mtr} \times 1.2 \text{mtr} = 288 \text{ cum}$$

$$\text{Amount} = 288 \text{cum @ Rs.2000/cum (including cost of crates and labour)}$$

$$= \text{Rs.576000/-}$$

Total amount for two layered crates for two number of dumping sites(50 mtrs each) located in forest area = Rs (60984+576000)

$$= \text{Rs } 636984/-$$



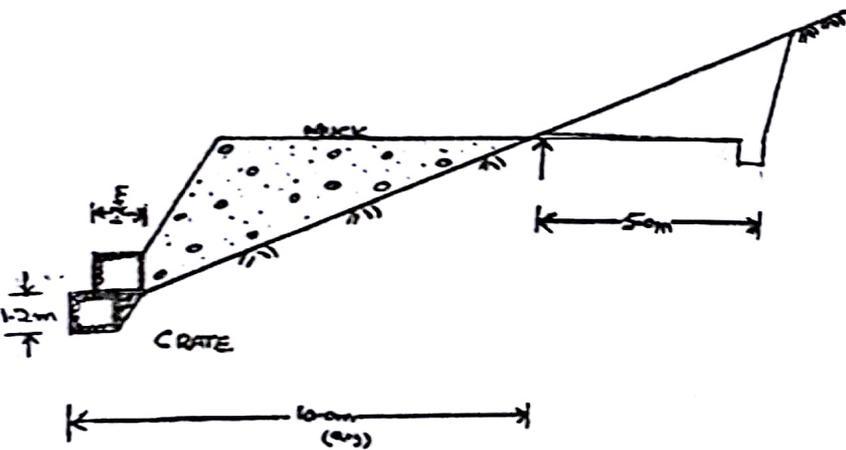
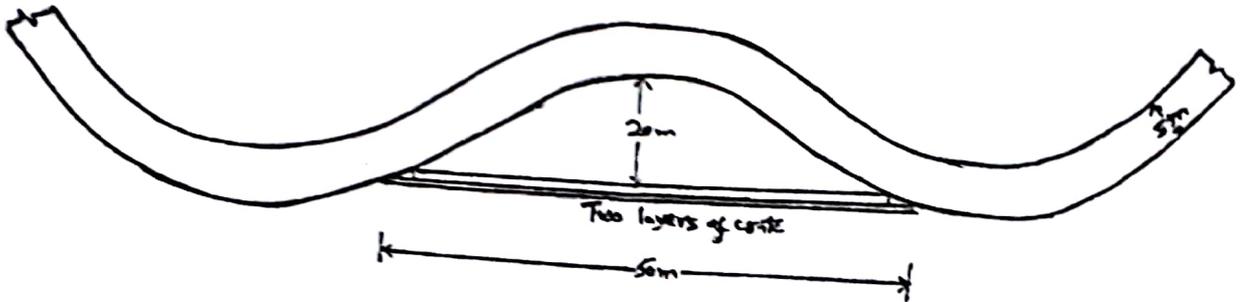
Mohan Lal Bahu

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NIT SCALE

TYPICAL SITE PLAN AND
X-SECTION FOR STABILIZATION
OF MUCK/SURPLUS EXCAVATED
MATERIAL IN FOREST AREA
ON ROAD NAMELY
BHARA TO MANDIR MOHALLA
GOHA PKG NO JK4-S21
STAGE I & II COMBINED
BLOCK BHADERWAH
DISTT DODA

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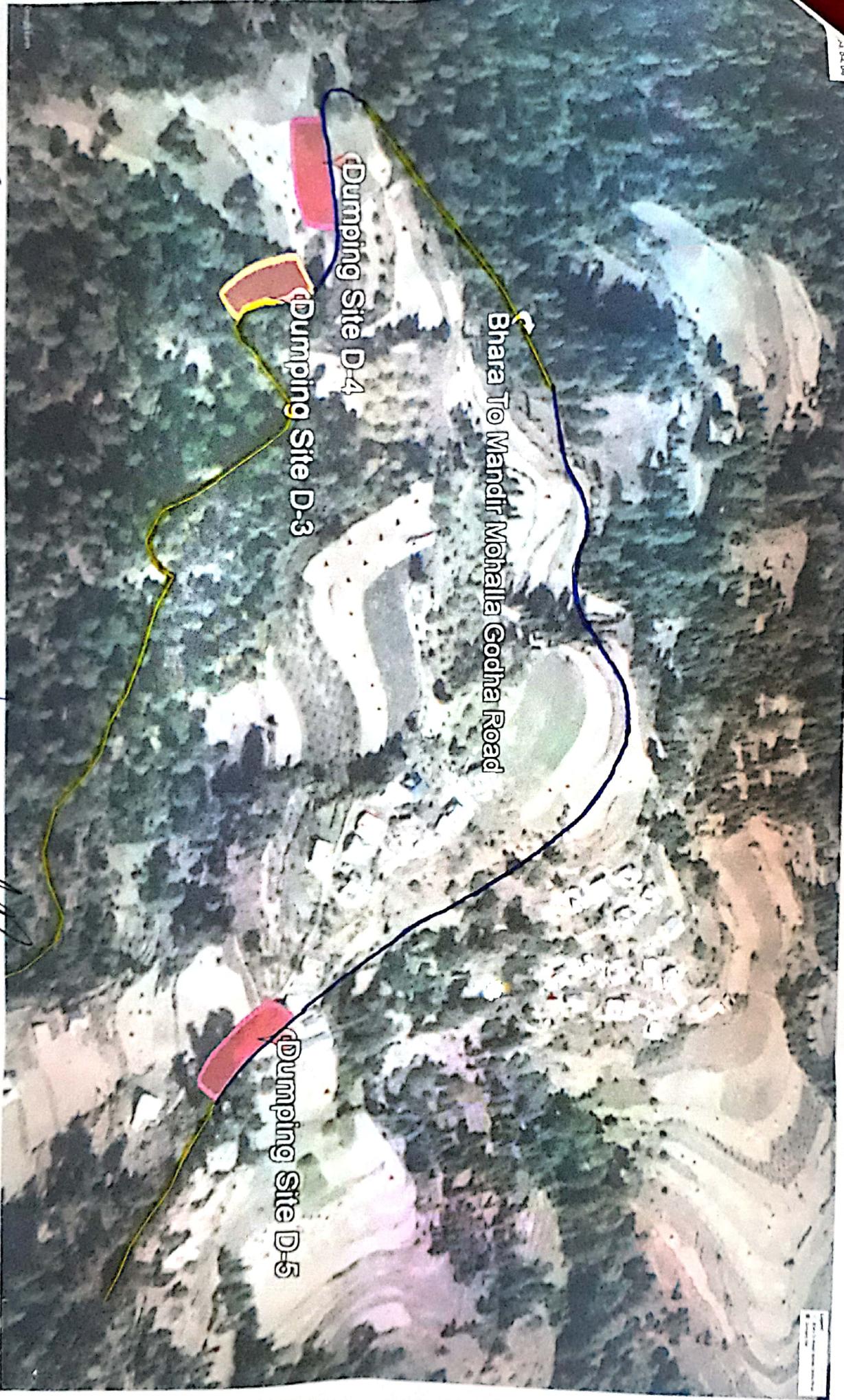
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Bhara To Mandir Mohalla Godha Road

Dumping Site D-4

Dumping Site D-3

Dumping Site D-5

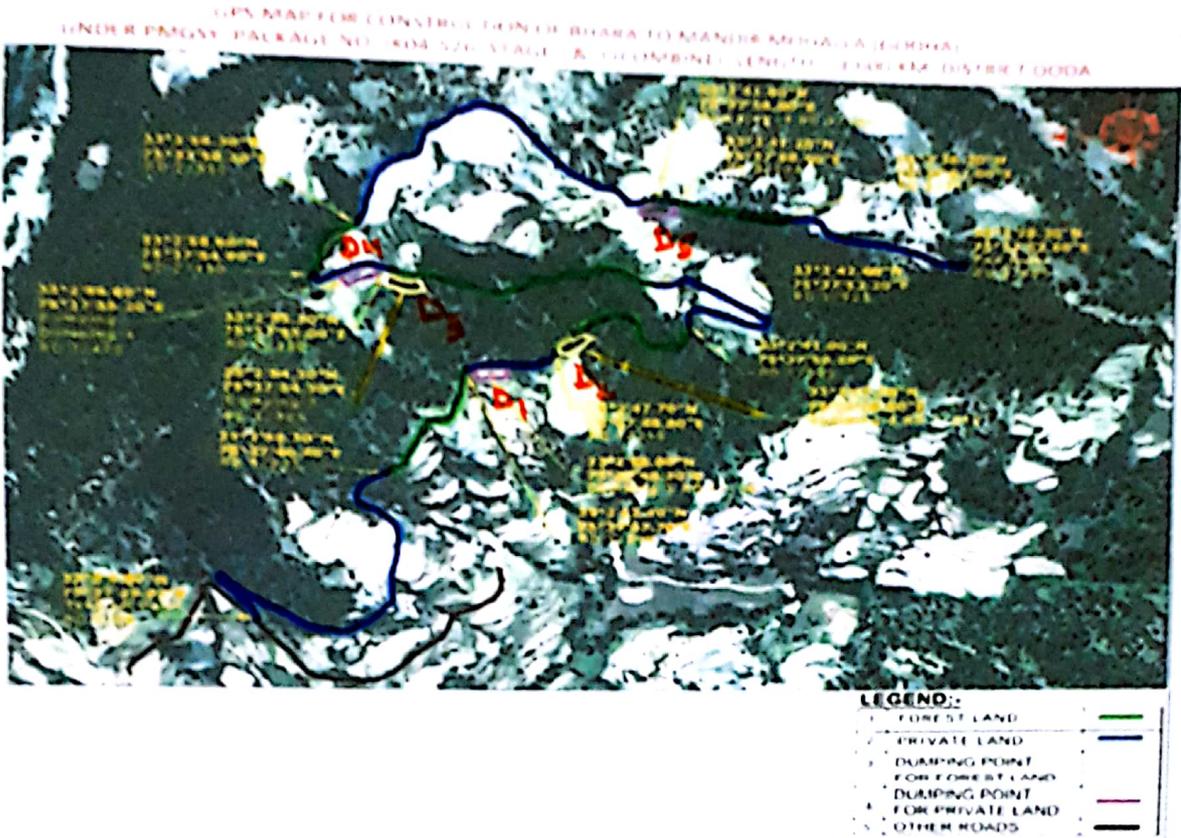
11/3 APPROVED
DUSHMANT
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[Signature]
PGGS
Engineer
Division

Doda Ex. Mohan Lal Bahu

LAYOUT PLAN OF MUCK DUMPING SITES



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. 6.36 lacs. Proposed Gabion Drawing copy Enclosed.

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