

मक डिस्पोजल प्लान

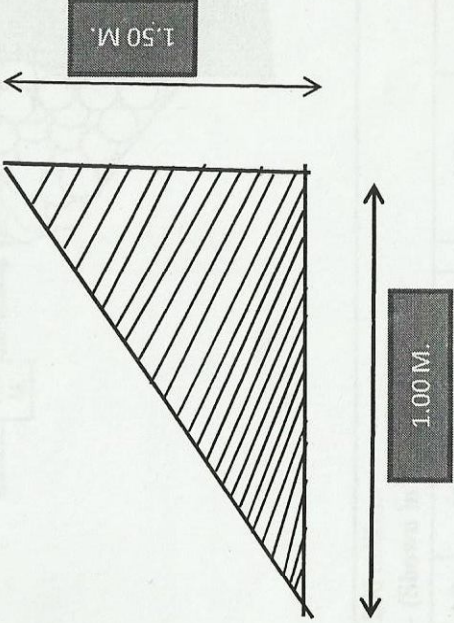
Muck Disposal Plan

Name Of Project:-C/O Road From Nainital Kalandhungi Motor Road Km
20 To Nalni Village.

Muck Disposal Proposal(मलुवा निस्तारण प्रस्ताव)

A- Calculation of quantities of MUCK/Debris genreated due to excavation of Hill Side Cutting

Sl No.	Item of work	Nos.	Length (in m)	Average Width (in m)	Average Height (in m)	Quantity
1	2	3	4		6	7
1-	Excavation in hill side cutting (Average height of cutting considered 1.50 mtr)					
	Km. 1 (0.000-1.000)	1 x 1/2	1000.00	1.00	1.50	750.00
	Km. 2 (1.000-2.000)	1 x 1/2	1000.00	1.00	1.50	750.00
					Total	1500.00
	Add swell facor 30% of hill side cutting					
						450.00
					G.Total	1950.00

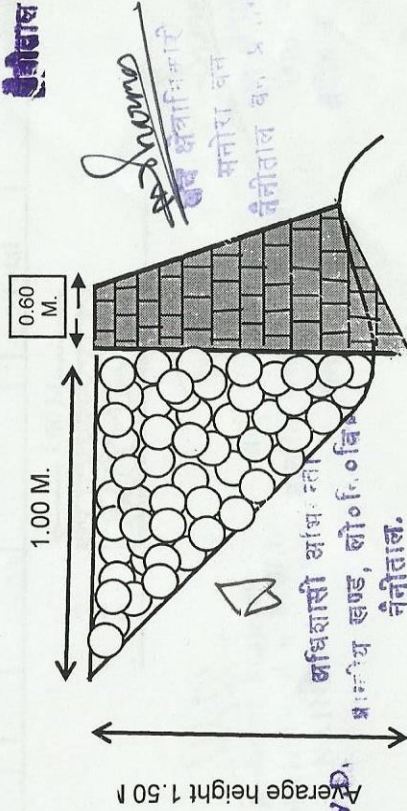


Typical cross section of Hill side cutting

B Quantity of Muck/Debris to be used as given below:-

1	Filling of material in the back of Retaining wall is taken as approximately 150 M. length/Km and height varied from 1 to 2 m (Average 1.50 mtr) along the length of the road. The quantity of the material retain behind it is as below. (Shown in Diagram below)					
	Km. 1 (0.000-1.000)	1 x 1/2	150.00	1.00	1.50	112.50
	Km. 2 (1.000-2.000)	1 x 1/2	150.00	1.00	1.50	112.50
					Total	225.00

Filling of material behind the retaining wall

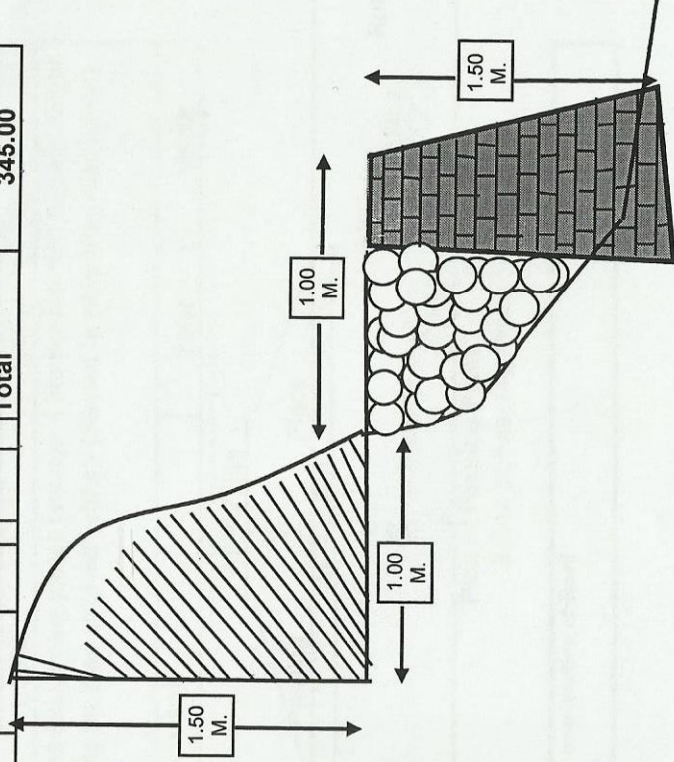


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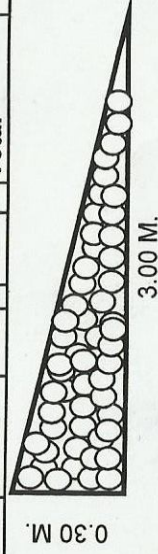
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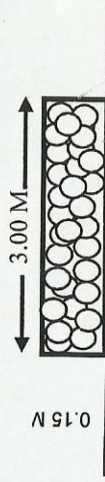
(II)	Constuction of Retaning wall in approximately 200 M. Length/Km and height varied from 1 to 2 m (Average 1.50 m) along the length of the road. The quantity of excavated materials consumed in construction of retaning walls is as below. (Shown in Diagram below)									
	Km. 1 (0.000-1.000)	1 x	1/2	200.00	0.60	+	1.10	/2	1.50	255.00
	Km. 2 (1.000-2.000)	1 x	1/2	200.00	0.60	+	1.10	/2	1.50	90.00
								Total		345.00



(III)	Making of super elevation average 200 m/Km. the material consumed is as below:- (Shown in Diagram below)									
	Km. 1 (0.000-1.000)	1 x	1/2	200.00			3.00		0.30	90.00
	Km. 2 (1.000-2.000)	1 x	1/2	200.00			3.00		0.30	90.00
							Total			180.00



(IV)	Consumption of excavated material used in laying of GSB/Soling. (Shown in Diagram below)									
	Km. 1 (0.000-1.000)	1 x	1	1000.00	3.00			0.15		450.00
	Km. 2 (1.000-2.000)	1 x	1	1000.00	3.00			0.15		450.00
	Add 10% extra for curves							Total		900.00
										90.00
								Total		990.00



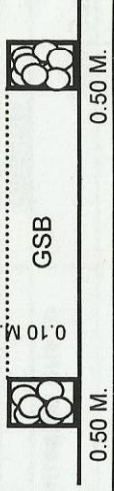
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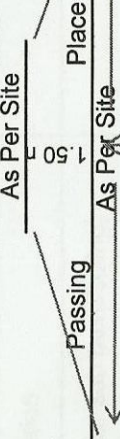
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(V) Consumption of excavated material used in patri filling along the road as given below:- (Shown in Diagram below)					
Km. 1 (0.000-1.000)	1 x	1	1000.00	1.00	0.10
Km. 2 (1.000-2.000)	1 x	1	1000.00	1.00	0.10
				Total	200.00



(Vi) Consumption of excavated material used in passing places (average 4 No per Km and average height of filling for passing place 3.0 m) along the road as given below:- (Shown in plan Diagram below)					
As Per Details Attached				Total	105.00

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Road

Road

Plan of Passing Place
X-Sec of Passing Place

Consumption of Hill side cutting material used for construction of Road Total B (I+II+III+IV+V+VI)	
	2045.00

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 27/04/2024
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SUMMARY OF MUCK DISPOSAL PLAN

Name Of Project:-C/O Road From Nainital Kalandhungi Motor Road Km 20 To Nalni Village.

S.No.	Item of Work	Quantity	Unit	Remarks
A.	Quantities of MUCK/Debris genreated due to excavation of Hill Side Cutting	1950	Cum	As per detail attached
B.	Quantity of Muck/Debries to be required for construction of road			
1	For Filling in the back of R/Wall	225.00	Cum	As per detail attached
2	For Retaining Walls	345.00	Cum	As per detail attached
3	For Making of super elevation	180.00	Cum	As per detail attached
4	For laying of GSB (Granular sub base/soling)	990.00	Cum	As per detail attached
5	For Patri Filling	200.00	Cum	As per detail attached
6	For Making of Passing Places	105.00	Cum	As per detail attached
	Total B	2045.00	Cum	

S.N	Quantities of MUCK/Debris genreated due to excavation of Hill Side Cutting	Quantity of Muck/Debries to be used during construction of road	Balance Qty (A-B)
1	1950	2045.00	-95.00 Say Nil

Here quantity of muck required for construction of road= 2045.00 cum
Which is much grater then quantity of muck genreated due to hill side cutting =1950.00 cum
Therefore extra land for muck disposal is not required.

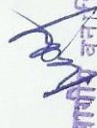
Note:-

Here road is all ready existing it's width is approximate 4.00 to 6.00 mtr threfore hill side cutting is required only for the improvement of bends therefore muck genreated is very less.


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 नैनीताल वन प्रभाग, नैनीताल

Name Of Project:-C/O Road From Nainital Kaladhungi Motor Road
Km 20 To Nalni Village.

Location and Qty. Of Debrries in passing places/Disposal Yard

SN	CH.	Size		Capacity in CUM	Latitude N	Longitude E
1	0/125	15.00	1.00	15.00	29° 20' 35.06"	79° 23' 16.66"
2	0/375	10.00	1.00	10.00	29° 20' 44.46"	79° 23' 06.03"
3	0/625	15.00	1.00	15.00	29° 20' 43.63"	79° 22' 59.95"
4	0/1000	15.00	1.00	15.00	29° 20' 49.46"	79° 22' 55.37"
5	1/125	10.00	1.00	10.00	29° 20' 32.21"	79° 22' 47.62"
6	1/375	15.00	1.00	15.00	29° 20' 41.65"	79° 22' 48.29"
7	1/875	15.00	1.00	15.00	29° 20' 36.24"	79° 22' 40.40"
8	1/1000	10.00	1.00	10.00	29° 20' 37.21"	79° 22' 24.29"
Total				105.00		
Say				105.00		Cum

Yashraj
J.C.

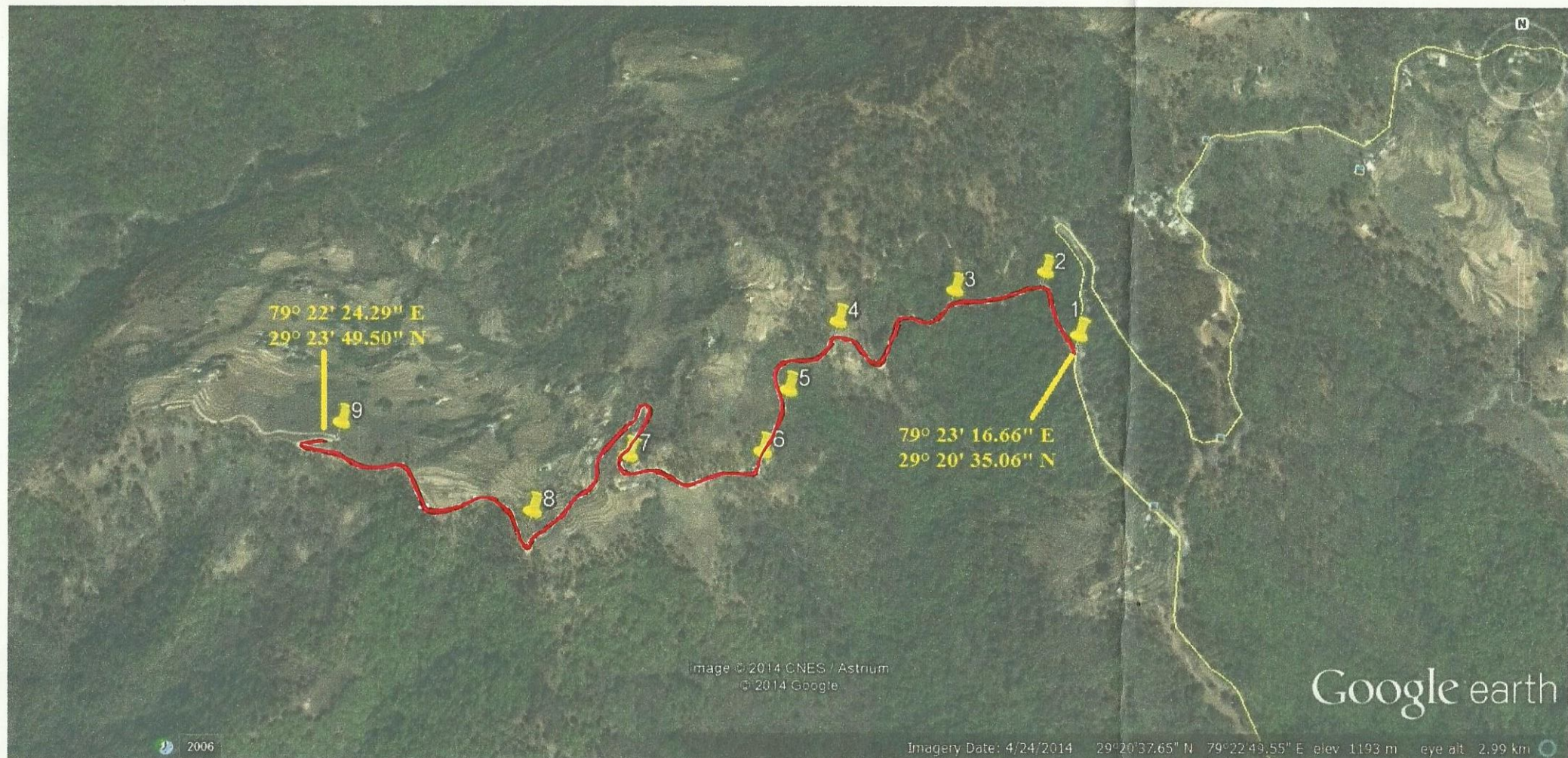
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Name of Project :- C/O Road From Nainital Kaladhungi Motor Road To Km-20
To Nalni Village



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