

प्रपत्र-49
MUCK DISPOSAL PLAN

Name of Work: Construction of Talsari Tok to Gaundar Motor Road in Madmaheshwar Valley in District Rudraprayag.

Muck Received From Hill Side Cutting

Road length		Average Cutting Width		Average Cutting Height	
Forest land	4757 m	5 m		3 m	
Nap land	243 m	3 m		2 m	

Material Received from hill side Cutting

For Forest Land	1/2 x 4757 x 5 x 3	= 35677.5 Cum	
For Nap land	1 x 243 x 3 x 2	= 1458.0 Cum	
Total muck		= 37135.5 Cum	----- A
		= 51989.7 Cum	----- B

Assuming 40% swelling of muck so muck received (A+40%A)

Material Utilized in the Project

Assume 40% boulders and 60% soil in the Muck

Quantity of Boulders received from muck (40% of B)

Boulders used as :-	(a) RR Stone Masonary (60% of C)	20795.9 Cum	----- C
	(b) HP Stone Filling (20% of C)	12477.5 Cum	
	(c) Wirecrates and parapits (10% of C)	4159.18 Cum	
	(d) Granular sub base/ base (10% of C)	2079.59 Cum	
Total Boulders utilized		20795.9 Cum	

Soil used in filling for Half cutting-Half filling method (assume 40% of 'B-C') 12477.5 Cum ----- D

Muck left for disposal (B-C-D) 18716.29 Cum

Disposal of Muck/loose soil in Dumping Zones

Sl. No.	Location	Size of Dumping yard			Type of Land/ Name of owner	Area (Ha.)	Capacity (Cum)	Latitude/ Longitude
		L(m)	B(m)	H(m)				
1	Ch. 0	45	30	3.5	Reserved Forest	0.135	4725	79°9'17.87"E 30°35'25.69"N
2	Ch.	43	20	2	Reserved Forest	0.086	1720	79°9'35.33"E 30°35'40.31"N
3	Ch.	44	35	4	Reserved Forest	0.154	6160	79°9'33.92"E 30°35'53.07"N
4	Ch.	35	40	3.5	Civil Land	0.140	4900	79°10'18.03"E 30°36'3.09"N
5	Ch.	40	40	1	Civil Land	0.160	1600	79°10'44.65"E 30°36'8.73"N

0.675 Ha

Total Capacity of Dumping Zones	-	19105 Cum
Total Muck need to be disposed	-	18716 Cum
Balance Debris	-	NIL

कांनष्ट अभियन्ता
लो०नि०वि०
ऊखीमठ

सहायक अभियन्ता
लो०नि०वि०
ऊखीमठ

अध्यापक अभियन्ता
लो०नि०वि०
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उप प्रभागीय वन अधिकारी
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जीयोरेफेरेंस मैप – जनपद रुद्रप्रयाग में राज्य योजना के अन्तर्गत मदमहेश्वर घाटी के तलसारी तोक से गौण्डार तक मोटर मार्ग के निर्माण हेतु

0 0.1 0.2 0.4 Km

Scale - 1: 15,000

79°9'30"E

79°10'0"E

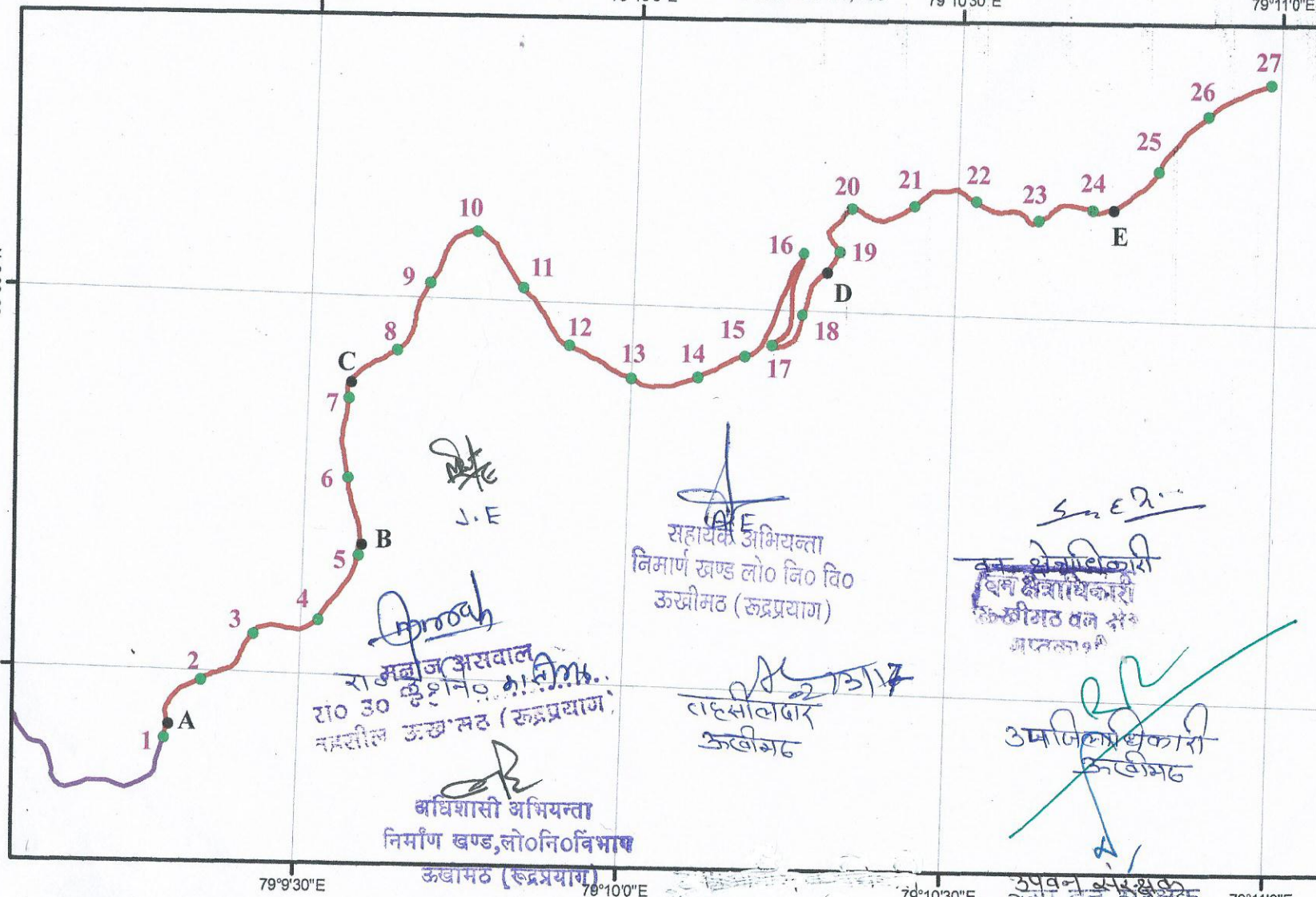
79°10'30"E

79°11'0"E

79°11'30"E

30°36'0"N

30°35'30"N



ID	Longitude	Latitude
1	79° 9' 17.574" E	30° 35' 24.607" N
2	79° 9' 20.787" E	30° 35' 29.262" N
3	79° 9' 25.525" E	30° 35' 32.993" N
4	79° 9' 31.484" E	30° 35' 34.283" N
5	79° 9' 35.036" E	30° 35' 39.461" N
6	79° 9' 33.908" E	30° 35' 45.600" N
7	79° 9' 33.695" E	30° 35' 51.864" N
8	79° 9' 38.051" E	30° 35' 55.755" N
9	79° 9' 40.975" E	30° 36' 1.161" N
10	79° 9' 45.155" E	30° 36' 5.339" N
11	79° 9' 49.619" E	30° 36' 1.039" N
12	79° 9' 54.046" E	30° 35' 56.603" N
13	79° 9' 59.950" E	30° 35' 54.219" N
14	79° 10' 6.098" E	30° 35' 54.524" N
15	79° 10' 10.530" E	30° 35' 56.244" N
16	79° 10' 15.772" E	30° 36' 4.507" N
17	79° 10' 12.968" E	30° 35' 57.240" N
18	79° 10' 15.764" E	30° 35' 59.647" N
19	79° 10' 19.108" E	30° 36' 4.728" N
20	79° 10' 20.073" E	30° 36' 8.175" N
21	79° 10' 25.988" E	30° 36' 8.570" N
22	79° 10' 31.722" E	30° 36' 9.087" N
23	79° 10' 37.587" E	30° 36' 7.756" N
24	79° 10' 42.664" E	30° 36' 8.664" N
25	79° 10' 48.837" E	30° 36' 11.869" N
26	79° 10' 53.279" E	30° 36' 16.344" N
27	79° 10' 59.039" E	30° 36' 19.019" N
Muck Disposal		
A	79° 9' 17.870" E	30° 35' 25.690" N
B	79° 9' 35.330" E	30° 35' 40.310" N
C	79° 9' 33.920" E	30° 35' 53.070" N
D	79° 10' 18.030" E	30° 36' 3.090" N
E	79° 10' 44.648" E	30° 36' 8.730" N

Legend

- Muck Disposal
- Mroad GPS Coordinates
- Proposed Road
- Existing Road