

मलवा निस्तारण हेतु प्रस्तावित स्थल को मलवा डाले जाने के पश्चात आवश्यकतानुसार समतलीकरण कर जन उपयोगी कार्यो हेतु उपयोग में लाये जाने हेतु कार्य योजना।

कार्य का नाम-जनपद देहरादून के विधानसभा क्षेत्र चकराता के विकासखण्ड कालसी में बबडीधार लोहन बैण्ड से बाघना तक मोटर मार्ग के निर्माण हेतु वन भूमि हस्तान्तरण प्रस्ताव। (लम्बाई 9.500 किमी०)

Rehabilitation of Dumping Sites

During road construction, a significant quantity of excess soil, rock, and debris is expected to be generated from cutting, excavation, and site clearance. To dispose of this material safely, designated dumping sites are provided. After completion of dumping activities, scientific rehabilitation of these sites has been proposed to restore ecological balance, prevent environmental degradation, and comply with statutory requirements.

Proposed Rehabilitation Process:

A. Site Preparation:

- Levelling and grading of the dumped material after completion of disposal.
- Construction of retaining walls, toe walls, gabions, or check barriers where required.
- Proper compaction of loose debris to stabilize the slope.

B. Soil Stabilization:

- Spreading a layer of fertile topsoil over the dumped area.

C. Plantation / Bio-Rehabilitation:

- Plantation of native species suitable for the local climate and soil.
- Use of fast-growing species and Deep-rooted trees and shrubs.

D. Post-Rehabilitation Land Use:

- The restored site can be used for forest regeneration and roadside plantation, parking.


अपर सहायक अभियन्ता
अ०ख० लो०नि०वि०
सहिया


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सहिया


अधिशाली अभियन्ता
अ०ख० लो०नि०वि०
सहिया

कार्य का नाम :- जनपद देहरादून के विधान सभा क्षेत्र चकराता के विकासखण्ड कालसी में बबडीधार लोहान बैण्ड से बाघना तक मोटर मार्ग का निर्माण हेतु वन भूमि हस्तान्तरण प्रस्ताव। (लम्बाई 9.500 किमी०)

Swell factor

1	Material Received from hill side Cutting as per estimate		85500.00	Cum.
2	10% for swell factor	85500x10%	8550.00	Cum.
3	Total Dabries		94050.00	Cum.

Disposal and Use of Material

S.No	Item of work		Material used (in Cum.)	Unite
1	R.R. Stone Massonary Laid in 1:5	$1.00 \times 0.30 \times 9500 \times (0.5 + 1.5/2) \times 3 =$	12540.00	Cum.
2	R.R. Stone Massonary Lad Dry	$1.00 \times 0.40 \times 9500 \times (0.5 + 1.5/2) \times 3 =$	16720.00	Cum.
3	Hand Packed stone Filling	$1.00 \times 0.30 \times 9500 \times 1.00 \times 4.00 =$	11400.00	Cum.
4	Construction of wire crate	$1.00 \times 9.50 \times 100 \times 6.75 =$	6412.50	Cum.
5	Making of Edge stone	$1.00 \times 9.50 \times 500 \times 0.0135 =$	64.13	Cum.
6	Construction of Parapet	$1.00 \times 9.50 \times 400 \times 0.50 =$	1900.00	Cum.
7	Construction of Scupper	$1.00 \times 2.00 \times 95 \times 16.80 =$	3192.00	Cum.
8	Granular Sub-base/ base/	$1.95 \times 1000 \times 4.05 \times 0.10 =$	3847.50	Cum.
9	Material used for filling and grade mantaning, job pillar, back cutt pillar, referance pillar etc.	$0.60 \times 9.50 \times 1000 \times 6.00 \times 0.30 =$	10260.00	Cum.
Total Used			66336.13	Cum.
		Balance Dabries = $94050.00 - 66336.13 = 27713.87$ Cum		
Total Dabries Disposal for Dumping Zone			27713.87	Cum.

J.E.

A.E.

E.E.

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Location and Quantity of Dabries Disposal

D.Yard. No.	Location of Dumping Yard	Latitude	Longitude	Type of Land	size of Dumping Yard	capacity of Dumping Yard (Cum.)	Total Disposed in dumping yard.
D.Yard-1	0/0 to 0/2	30°32'52.30"	77°52'52.16"	Civil land	45x6x6	1620.00	1600.00
D.Yard-2	0/14 to 0/16	30°32'51.70"	77°53'03.52"	Private land	40x6x6	1440.00	1420.00
D.Yard-3	0/23 to 0/25	30°32'54.30"	77°52'56.94"	Private land	40x6x6	1440.00	1420.00
D.Yard-4	1/1 to 1/3	30°32'53.46"	77°53'06.20"	Private land	40x6x6	1440.00	1420.00
D.Yard-5	1/22 to 1/24	30°32'37.35"	77°53'07.56"	Civil land	50x6x6	1800.00	1780.00
D.Yard-6	2/2 to 2/4	30°32'31.18"	77°52'54.46"	Private land	40x6x6	1440.00	1420.00
D.Yard-7	2/25 to 2/27	30°32'27.31"	77°52'57.70"	Private land	40x6x6	1440.00	1420.00
D.Yard-8	2/40 to 3/2	30°32'29.29"	77°53'03.77"	Private land	40x6x6	1440.00	1420.00
D.Yard-9	3/14 to 3/16	30°32'30.64"	77°53'12.79"	Van panchayat land	50x6x6	1800.00	1780.00
D.Yard-10	4/11 to 4/13	30°32'18.15"	77°53'14.53"	Civil land	50x6x6	1800.00	1780.00
D.Yard-11	4/31 to 4/33	30°32'19.65"	77°53'17.45"	Private land	40x6x6	1440.00	1420.00
D.Yard-12	5/17 to 5/19	30°32'18.51"	77°53'21.87"	Private land	40x6x6	1440.00	1420.00
D.Yard-13	6/28 to 6/30	30°32'18.90"	77°53'27.13"	Private land	40x6x6	1440.00	1420.00
D.Yard-14	7/6 to 7/8	30°32'23.71"	77°53'22.44"	Civil land	40x6x6	1440.00	1420.00
D.Yard-15	7/18 to 7/20	30°32'27.86"	77°53'25.12"	Private land	40x6x6	1440.00	1420.00
D.Yard-16	8/4 to 8/6	30°32'23.13"	77°53'30.15"	Private land	40x6x6	1440.00	1420.00
D.Yard-17	8/13 to 8/15	30°32'24.43"	77°53'34.33"	Private land	40x6x6	1440.00	1420.00
D.Yard-18	9/1 to 9/3	30°32'14.53"	77°53'37.80"	R. Forest land	35x6x6	1260.00	1250.00
D.Yard-19	9/19 to 9/20	30°32'18.77"	77°53'55.75"	R. Forest Land	30x6x6	1080.00	1063.87
Total:-						28080.00	27713.87

SUMMARY OF DEBRIED DISPOSAL

S.No.	Total Debries	Reused Material for Road Cutting	Material Disposal By Cartage in Dumping Zone	Balance Debries
1	94050.00	66336.13	27713.87	0.00

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J.E.

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A.E.

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E.E.

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D.Yard-1	0/0 to 0/2	30°32'52.30"	77°52'52.16"	Civil land	45x6	270.00	Sqm.
D.Yard-2	0/14 to 0/16	30°32'51.70"	77°53'03.52"	Private land	40x6	240.00	Sqm.
D.Yard-3	0/23 to 0/25	30°32'54.30"	77°52'56.94"	Private land	40x6	240.00	Sqm.
D.Yard-4	1/1 to 1/3	30°32'53.46"	77°53'06.20"	Private land	40x6	240.00	Sqm.
D.Yard-5	1/22 to 1/24	30°32'37.35"	77°53'07.56"	Civil land	50x6	300.00	Sqm.
D.Yard-6	2/2 to 2/4	30°32'31.18"	77°52'54.46"	Private land	40x6	240.00	Sqm.
D.Yard-7	2/25 to 2/27	30°32'27.31"	77°52'57.70"	Private land	40x6	240.00	Sqm.
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D.Yard-18	9/1 to 9/3	30°32'14.53"	77°53'37.80"	R. Forest land	35x6	210.00	Sqm.
D.Yard-19	9/19 to 9/20	30°32'18.77"	77°53'55.75"	R. Forest Land	30x6	180.00	Sqm.
Total:-						4680.00	

Area For Plantation	4200.00	Sqm.
Area For Parking	480.00	Sqm.
Total Area=	4680.00	Sqm.

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