

MUCK DISPOSAL PLAN

परियोजना का नाम:- जिला योजना के अन्तर्गत पोथिंग से तोली तक 7.00 किमी० मोटर मार्ग के वनभूमि प्रस्ताव उत्तराखण्ड लोक निर्माण विभाग को हस्तान्तरण प्रस्ताव।

Name of Block: Kapkot (Bageshwar)

Length: 7.00KM

Muck Received From Hill Site Cutting

Sr.No	Description of Work	Quantity	Unit
1	Total Material Received From Hill side cutting $\{1/2 \times 7000 \times 9.00 \times (0.80 + 3.00)/2\}$	59850.00	cum
Disposal and use of Material			
1	Earth and boulder filling	15000.00	cum
2	Earth and boulder filling for Super Elevation	4000.00	cum
3	Construction of coolie walling	1800.00	cum
4	R.R. Stone Masonry laid in 1:5	1590.00	cum
5	R.R. Stone Masonry laid in dry	3600.00	cum
6	Hand Packed stone filling	9000.00	cum
7	Construction of WIRE CRATE	1741.00	cum
8	Making of edge stone	350.00	cum
9	Construction of Parapet	1179.95	cum
10	Providing and laying using gravel in soft reaches	2765.00	cum
11	Construction of pillar	435.00	cum
12	Construction of scrupper	1172.96	cum
13	Material to be dispose in road side along the collee wall $\{3 \times 10 \times (50 + 60 + 40)/3\} \times 2.1 \times 1.00]$	7600.00	cum
14	Material used for hill side pucca k/c drain @0.167 cum/rmt, (Quantity 2163.54 rmt)	680.00	cum
Total Used		50913.91	cum

Quantity of muck to be disposed at dumping places

= (Material Received-Material Used)

= 8936.09

2234.02

11170.11

Add 25%

TOTAL

=

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Detail Measurement For Muck Disposal

Sr. No.	ITEM OF WORK	No.	Length	Width	Height	Quantity	Unit
1)	Excavation in foundation for retaining & breast walls in all types of soils and rocks including lead, lift and disposal of surplus material as per direction of engineer - in - charge	0.33	22.00	23.50	0.60	81.89	Cum
		0.33	27.00	19.00	0.60	60.94	Cum
		0.33	10.00	24.00	0.60	28.51	Cum
		0.33	30.00	20.00	0.60	71.28	Cum
		0.33	30.00	20.00	0.60	71.28	Cum
		0.33	15.00	20.00	0.60	35.64	Cum
				Total		349.55	Cum
2)	Random Rubble stone masonry in Coolie walling including supply of all material, cu.m labour, T&P etc. required for proper completion of the work.(As per PWD Uttarakhnad specifications)	1.00	22.00	23.50	0.60	248.16	Cum
		1.00	27.00	19.00	0.60	184.68	Cum
		1.00	10.00	24.00	0.60	86.40	Cum
		1.00	30.00	20.00	0.60	216.00	Cum
		1.00	30.00	20.00	0.60	216.00	Cum
		1.00	15.00	20.00	0.60	108.00	Cum
				Total		1059.24	Cum
3)	Providing and Laying of Boulder Apron Laid in Wire Crates as per Drawing and Technical Specification Clause 1301	1.00	9.00	3.00	1.50	60.75	Cum
		1.00	9.00	3.00	1.20	48.60	Cum
		1.00	8.50	3.00	1.50	57.38	Cum
		1.00	12.00	3.00	1.20	64.80	Cum
		1.00	8.50	3.00	1.50	57.38	Cum
		1.00	12.00	3.00	1.20	64.80	Cum
				Total		353.70	Cum

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BILL OF QUANTITY FOR MUCK DISPOSAL

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Name of Block:Kapkot (Bageshwar)

Total Length: 7.00 KM

Sl No	Description	Quantity	Unit	@	Rate	Amount
1	Excavation in foundation for retaining & breast walls in all types of soils and rocks including lead, lift and disposal osurplus material as per direction of engineer - in -charge	349.55	cum	@	284.70	99516.66
2	Random Rubble stone masonry in Coolie walling including supply of all material, cu.m labour, T&P etc. required for proper completion of the work.(As per PWD Uttarakhnad specifications)	1059.24	cum	@	1143.10	1210817.24
3	Providing and Laying of Boulder Apron Laid in Wire Crates as per Drawing and Technnical Specification Clause 1301	353.70	cum	@	2126.10	752001.57
4	Furnishing and laying of the live sods of grass and other species on muck site or other locations shown on the drawing or as directed by the Engineer including preparation of ground, fetchng of sods and watering					350000.00
5	Contingencies 2%					7000.00
	Total					2419335.47


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Summary

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Name of Block:Kapkot (Bageshwar)				Total Length: 7.00 KM			
Carrying Capacity of Wire Crates							
S.NO.	Chainage of Wire Crates	No.	Size of catchment area of wire crates				Unit
			L	B	H	Quantity	
1	Km 1	1.00	8.00	7.50	4.90	294.00	cum
2	Km 2	1.00	10.00	7.50	9.15	686.25	cum
3	Km 3	1.00	10.00	7.50	7.85	588.75	cum
4	Km 4	1.00	10.00	7.50	7.85	588.75	cum
5	Km 5	1.00	10.00	7.50	7.85	588.75	cum
6	Km 6	1.00	10.00	7.50	7.85	588.75	cum
7	Km 7	1.00	10.00	7.50	7.85	588.75	cum
			Total			3924.00	cum

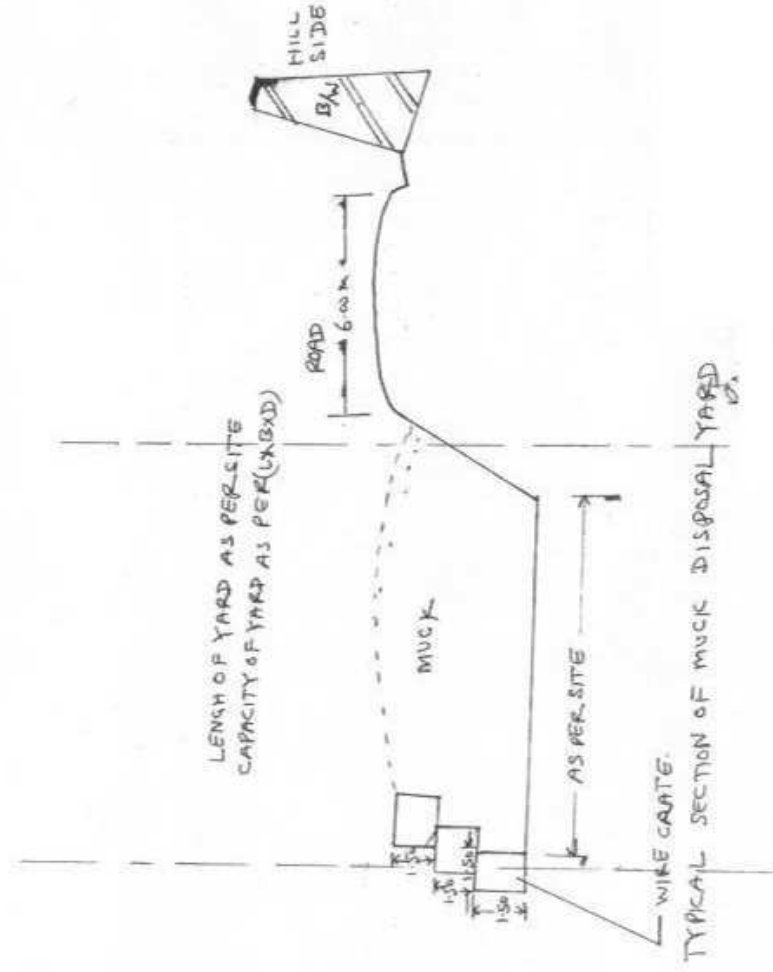
Quantity of material disposal to dumping= 11170.11

Carrying capacity of wire crates = 3924.00
Balance 7246.11

S.No	Catchment Area	No.	Length	Width	Area	Unit
1	km 1	1.00	12.00	10.00	120.00	Sqm
2	km 2	1.00	12.00	10.00	120.00	Sqm
3	km 3	1.00	12.00	10.00	120.00	Sqm
4	km 4	1.00	8.00	6.00	48.00	Sqm
5	km 5	1.00	12.00	10.00	120.00	Sqm
6	km 6	1.00	8.00	6.00	48.00	Sqm
	Total				576.00	Sqm
	In Hectare				0.0576	Hec

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