

Muck Management Plan

Name of work: - C/o Jangeshu to Oda via Bhanet km 0/00 to 3/500

1.	Total quantity of muck to be generated from cutting	16822 m3
2.	Deduction of useful stone as required under clause of agreement to be executed by the Executive Engineer of Project implementing Unit division on behalf of Govt. of H.P. for suing in the project.	2522 m3
3.	Net balance quantity of debris/muck	14300 m3
4.	Add quantity available on site with swell factor @ 25% on PW & JW	3575 m3
	Total (A)	17875 m3
5.	Less for materials required for dumping in behind R/wall etc. @10% of A	1787 m3
6.	Less for materials required for levelling of proposed road @ 15% of A	2681 m3
7.	Less materials/muck required for levelling/filling of road on the analogy of half cutting and half fittings @ 40% of A	7150 m3
	Total (B)	11618 m3
8.	Materials/Muck left at site which will require carriage for proper dumping into the recognized sites as per the illustration of forest and environment Ministry reinforced by various judgment of the Apex court Govt. of India i.e. (A-B)	6257 m3
9.	Design proposed for dumping sites (attached)	3Nos
10	Total capacity of dumping sites as per details attached	9510 m3
11	Area in hectare for dumping sites.	
	i. Forest area	0.2518 hect.
	ii. Non forest	0..00
	iii. Total	0.2518 hect

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Executive Engineer
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Details of dumping sites.

MUCK MANAGEMENT

SR. No	Name of dumping site	RD/KM	Area coming under dumping			Capacity of dumping sites.
			Forest area	Non Forest Area	Total	
1.	Dumping site NO. 1	0/087 to 0/109	0.0836		0.0832	2550
2	Dumping site NO. 2	0/158 to 0/187	0.0841		0.0841	3480
3	Dumping site NO. 3	0/692 to 0/721	0.0841		0.0841	3480
Total :-			0.2518	0.00	0.2518	9510

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Detail showing the capacity of dumping sites.

Sr. No	Name of dumping site	RD/KM	X-sectional area of dumping site	Length	Quantity/ Capacity
1	Dumping site NO. 1	0/087 to 0/109	115.90 SQM	22	2550
2.	Dumping site NO. 2	0/158 to 0/187	120 SQM	29	3480
3	Du mping site	0/692 to 0/721	120 SQM	29	3480
	Total :-				9510 m3

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Detail of Measurement

Name of work C/o Jangeshu to oda vis banet km 0/00 to 3/500 (SH:
Construction of wire crates for dumping sites)

Sr. NO	Description	No. L x B x H	Quantity in CUM
1	Providing and laying of boulder apron laid on wire crates with 4mm dia wire confirming to 1:5:280 and 1:5:4826 in 100mmx100mm mesh (woven diagonally) including 10% extra for lapse & joints laid with stone boulders weighing not less than 25 kg each. Dumping Site No. 1 RD. 0/087 to 0/109		
	1 st layer	1x20x2.70x1.20	64.80 M3
	2 nd layer	1x20x2.40x1.20	57.60 M3
	3 rd layer	1x20x2.10x1.20	50.40 M3
	4 th layer	1x20x1.80x1.20	43.20 M3
	5 th layer	1x20x1.50x1.20	36.00 M3
	Dumping site No. 2 RD 0/158 to 0/187		
	1 st layer	1x20x2.70x1.20	64.80 M3
	2 nd layer	1x20x2.40x1.20	57.60 M3
	3 rd layer	1x20x2.10x1.20	50.40 M3
	4 th layer	1x20x1.80x1.20	43.20 M3
	5 th layer	1x20x1.50x1.20	36.00 M3
	Dumping site No. 3 RD 0/692 to 0/721		
	1st layer	1x20x2.70x1.20	64.80 M3
	2 nd layer	1x20x2.40x1.20	57.60 M3
	3 rd layer	1x20x2.10x1.20	50.40 M3
	4 th layer	1x20x1.80x1.20	43.20 M3
	5th layer	1x20x1.50x1.20	36.00 M3
			756.00 m3

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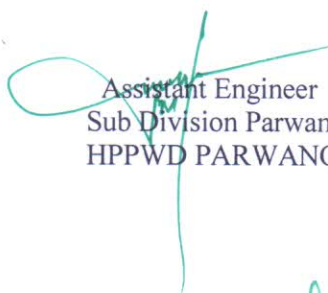
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ABSTRACT OF COST

Name of work:- C/o Jangeshu to oda vis banet km 0/00 to 3/500 (SH:
Construction of wire crates for dumping sites)

Sr. NO	Sub Head and Item of work	Qty	Rate	Unit	Amount
1	Providing and laying of boulder apron laid on wire crates with 4mm dia wire confirming to 1:5:280 and 1:5:4826 in 100mmx100mm mesh (woven diagonally) including 10% extra for lapse & joints laid with stone "boulders weighing not less than 25 kg each	756.00 cum	1857.10	Per Cum	1403968
	Total :-				1403968


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Divisional Forest Officer,
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PURPOSE WISE BREAK UPTO TOTAL LAND REQUIRED FOR
C/o Jangeshu to oda vis banet km 0/00 to 3/500

SR. No	Description	Total land required (Hect)	Private Land required (Hect.)	Forest land required (hect).
1.	C/o Jangeshu to oda vis banet km 0/00 to 3/500	1.2359		
2	For dumping site RD. 1 0/087 to 0/109		---	0.0836
3	For dumping site RD. 2 0/158 to 0/187		----	0.0841
4	For dumping site RD. 3 0/692 to 0/721		----	0.0841

Total land for road construction(i/c dumping sites) =1.2359 Hect
tal land for dumping site = 0.2518 Hect

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