Muck Management Plan

Name of work: - Construction of link road from Upper Jamli Baron to Kathana km. 0/0 to 6/700.

	Total quantity of muck to be generated from	124890 m3
	cutting Deduction of useful stone as required under clauses of agreement to be executed by the Executive Engineer of Project implementing Unit division on behalf of Govt. of H.P. for suing in	18733 m3
3.	the project. Net balance quantity of debris/muck	106157 m3
4.	Add quantity available on site with swell factor @ 25% on PW & JW	26539 m3 132696 m3
5.	Total (A) Less for materials required for dumping in behind	13277 m3
6	R/wall etc. (2) 10% of R	19904 m3
	 proposed road (a) 1570 of 12 Less materials/muck required for levelling/filling of road on the analogy of half cutting and half 	
	fittings @ 40% of A Total (E	3) 86259m3
	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)9. Design proposed for dumping sites (attached)	6 Nos
-	10 Total capacity of dumping sites as per details	47775 m3
	attached 11 Area in hectare for dumping sites. i. Forest area ii. Non forest iii. Total	1.456 hect. 3.798 5.254 hect

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Details of dumping sites.

MUCK MANAGEMENT

SR.	Name of	RD/KM	A	Area coming under dumping			
No	dumping site	THOMAN I	Forest area	Private Shamlat	Non Forest Area	Total	dumping sites.
						0.21	11288 m3
1.	Dumping site NO. 1	1/090 to 1/195	167.53	0.21	1165	234.0	
	Site rier					0.15	7387 m3
2	Dumping site NO. 2	1/600 to 1/675	94,50	0.15		0.15	
	Siteriors	and the second second	100000		0.15	0.15	7725 m3
-	Dumping	4/840 to 4/915			0.15	0.15	
3	site NO. 3	and showing a				0.15	8062 m3
4	Dumping	5/690 to 5/750	0.15		-	1.7.7.6	
-	site NO. 4	a and readed in the	1. 1. 2. 2. 2. 1. 1.			0.10	5400 m3
-	Dumping	6/060 to 6/100	0.10		A standard and a start	0.10	
5	site NO. 5		1.1.23.73			0.15	7913 m3
6	Dumping	6/495 to 6/555	0.15				
0	site NO. 6		- 10	0.36	0.15	0.91	47775 m3
	1.1.1.1		0.40	0.50	0.15		
To	tal :-		•			1	

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Sr. No	Name of dumping site	RD/KM	X-sectional area of dumping site	Length	Quantity/ Capacity
1	Dumping site NO. 1	1/090 to 1/195	107.50 SQM	105	11288 m3
2.	Dumping site NO. 2	1/600 to 1/675	98.50 SQM	75	7387 m3
3	Dumping site NO. 3	4/840 to 4/915	103.00 SQM	75	7725 m3
4	Dumping site NO. 4	5/690 to 5/750	134.37 SQM	60	8062 m3
5	Dumping site NO. 5	6/060 to 6/100	135.00 SQM	40	5400 m3
6	Dumping site NO. 6	6/495 to 6/555	131.88 SQM	60	7913 m3
		Total :-			47775 m3

Detail showing the capacity of dumping sites.

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Detail of Measurement

wire cra 1:5:280 mesh (v for laps: weighin Dumpir 1 st laye 2 nd laye 3 rd laye 2 nd laye 3 rd laye 1 st laye 2 nd laye 3 rd laye	g and laying of boulder apron laid on tes with 4mm dia wire confirming to and 1:5:4826 in 100mmx100mm voven diagonally) including 10% extra e & joints laid with stone boulders g not less than 25 kg each. Ing Site No. 1 RD. 1/090 to 1/195 r er er er er er	1x105x2.70x1.20 1x105x2.40x1.20 1x105x2.10x1.20 1x105x1.80x1.20 1x105x1.50x1.20 1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20 1x75x1.80x1.20	302. 264 226 189 243 216	.00 m3 .40 m3 .60 m3 .80 m3 0.00 m3
wire cra 1:5:280 mesh (v for laps: weighin Dumpir 1 st laye 2 nd laye 3 rd laye 2 nd laye 3 rd laye 1 st laye 2 nd laye 3 rd laye	tes with 4mm dia wire community to and 1:5:4826 in 100mmx100mm voven diagonally) including 10% extra e & joints laid with stone boulders ig not less than 25 kg each. ag Site No. 1 RD. 1/090 to 1/195 r er er er er er er er	1x105x2.40x1.20 1x105x2.10x1.20 1x105x1.80x1.20 1x105x1.50x1.20 1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20	302. 264 226 189 243 216	.40 m3 .60 m3 .80 m3 .00 m3
wire cra 1:5:280 mesh (v for laps: weighin Dumpir 1 st laye 2 nd laye 3 rd laye 2 nd laye 3 rd laye 1 st laye 2 nd laye 3 rd laye	tes with 4mm dia wire community to and 1:5:4826 in 100mmx100mm voven diagonally) including 10% extra e & joints laid with stone boulders ig not less than 25 kg each. ag Site No. 1 RD. 1/090 to 1/195 r er er er er er er er	1x105x2.40x1.20 1x105x2.10x1.20 1x105x1.80x1.20 1x105x1.50x1.20 1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20	302. 264 226 189 243 216	.40 m3 .60 m3 .80 m3 .00 m3
1:5:280 mesh (w for laps: weighin Dumpin 1 st laye 2 nd laye 3 rd laye 2 nd laye 2 nd laye 2 nd laye 2 nd laye 3 rd laye 2 nd laye 2 nd lay 2 nd lay 3 rd lay 2 nd lay 2 nd lay 2 nd lay 3 rd lay 2 nd lay 2 nd lay 3 rd lay 4 th lay 5 th lay	and 1:5:4826 in 100mmx100mm voven diagonally) including 10% extra e & joints laid with stone boulders og not less than 25 kg each. ng Site No. 1 RD. 1/090 to 1/195 r er er er er er er er	1x105x2.40x1.20 1x105x2.10x1.20 1x105x1.80x1.20 1x105x1.50x1.20 1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20	302. 264 226 189 243 216	.40 m3 .60 m3 .80 m3 .00 m3
mesh (w for laps) weighin Dumpin 1 st laye 2 nd laye 3 rd laye 2 nd laye 2 nd laye 2 nd laye 2 nd laye 2 nd lay 3 rd lay 2 nd lay 3 rd lay 4 th lay 2 nd lay 3 rd lay 4 th lay 2 nd lay 3 rd lay 4 th lay 5 th lay 2 nd lay 3 rd lay 4 th lay 5 th lay 2 nd lay 3 rd lay 4 th lay 5 th lay	voven diagonally) including 10% extra e & joints laid with stone boulders ag not less than 25 kg each. Ing Site No. 1 RD. 1/090 to 1/195 r er er er er er er er er	1x105x2.40x1.20 1x105x2.10x1.20 1x105x1.80x1.20 1x105x1.50x1.20 1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20	302. 264 226 189 243 216	.40 m3 .60 m3 .80 m3 .00 m3
for laps weighin Dumpir 1 st laye 2 nd laye 3 rd laye 5 TH laye 2 nd lay 3 rd lay 4 th lay 5 th lay 5 th lay 2 nd lay 3 rd lay 5 th lay 2 nd lay 3 rd lay 3 rd lay 3 rd lay 5 th lay 2 nd lay 3 rd lay 5 th lay 2 nd lay 3 rd lay 3 rd lay 3 rd lay 5 th lay	e & joints laid with stolle bounders ag not less than 25 kg each. ag Site No. 1 RD. 1/090 to 1/195 r er er er er er er er er er	1x105x2.40x1.20 1x105x2.10x1.20 1x105x1.80x1.20 1x105x1.50x1.20 1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20	302. 264 226 189 243 216	.40 m3 .60 m3 .80 m3 .00 m3
weighin Dumpir 1 st laye 2 nd laye 3 rd laye 4 th lay 5 TH laye 2 nd lay 3 rd lay 4 th lay 5 th lay 5 th lay 2 nd lay 2 nd lay 3 rd lay 2 nd lay 3 rd lay 2 nd lay 2 nd lay 3 rd lay 2 nd lay 3 rd lay 5 th lay 2 nd lay 3 rd lay 3 rd lay 5 th lay 2 nd lay 3 rd lay 3 rd lay 5 th lay 2 nd lay 3 rd lay 3 rd lay 4 th lay 5 th lay 2 nd lay 3 rd lay 3 rd lay 4 th lay 5 th lay	ng not less than 25 kg each. ng Site No. 1 RD. 1/090 to 1/195 r er er er er er er er er er	1x105x2.40x1.20 1x105x2.10x1.20 1x105x1.80x1.20 1x105x1.50x1.20 1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20	302. 264 226 189 243 216	.40 m3 .60 m3 .80 m3 .00 m3
Dumpir 1 st laye 2 nd laye 3 rd laye 4 th laye 5 TH laye 2 nd laye 2 nd lay 3 rd lay 4 th lay 5 th lay 2 nd lay 2 nd lay 2 nd lay 3 rd lay 4 th lay 5 th lay 0 0 1 st laye 2 nd lay 3 rd lay 4 th lay 5 th lay 2 nd lay 3 rd lay 4 th lay 5 th lay 1 st lay 2 nd lay 3 rd lay 4 th lay 5 th lay 1 st lay 2 nd lay 3 rd lay 4 th lay 5 th lay 1 st lay 2 nd lay 3 rd lay 4 th lay 5 th lay 1 st lay 2 nd lay 3 rd lay 4 th lay 5 th lay	ng Site No. 1 RD. 1/090 to 1/199 er er er er er er er er er er	1x105x2.40x1.20 1x105x2.10x1.20 1x105x1.80x1.20 1x105x1.50x1.20 1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20	302. 264 226 189 243 216	.40 m3 .60 m3 .80 m3 .00 m3
1 st laye 2 nd laye 3 rd laye 4 th lay 5 TH laye 2 nd laye 2 nd lay 3 rd lay 4 th lay 5 th lay 2 nd lay 3 rd lay 4 th lay 5 th lay 2 nd lay 3 rd lay 4 th lay 5 th lay 2 nd lay 4 th lay 5 th lay 1 st lay 5 th lay 5 th lay 1 st lay 5 th lay	r er er ng site No. 2 RD 1/600 to 1/675 er er er er	1x105x2.40x1.20 1x105x2.10x1.20 1x105x1.80x1.20 1x105x1.50x1.20 1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20	302. 264 226 189 243 216	.40 m3 .60 m3 .80 m3 .00 m3
2 nd laye 3 rd laye 4 th laye 5 TH laye 2 nd lay 2 nd lay 3 rd lay 4 th lay 5 th lay Dump 1 st lay 2 nd lay 2 nd lay 3 rd lay 4 th lay 5 th lay Dump 1 st lay 2 nd lay 3 rd lay 4 th lay 5 th lay 1 st lay 2 nd lay 4 th lay 5 th lay 1 st lay 2 nd lay 4 th lay 5 th lay	er er er ng site No. 2 RD 1/600 to 1/675 er er er er	1x105x2.10x1.20 1x105x1.80x1.20 1x105x1.50x1.20 1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20	264 226 189 243 216	.60 m3 .80 m3 .00 m3
3 rd laye 4 th laye 5 TH laye 2 nd lay 3 rd lay 4 th lay 5 th lay 5 th lay Dump 1 st lay 2 nd lay 3 rd lay 4 th lay 2 nd lay 5 th lay 2 nd lay 4 th lay 5 th lay 2 nd lay 4 th lay 5 th lay 2 nd lay 4 th lay 5 th lay	er er ng site No. 2 RD 1/600 to 1/675 er er er er er	1x105x1.80x1.20 1x105x1.50x1.20 1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20	226 189 243 216	.80 m3 .00 m3
4 th lay 5 TH lay 2 nd lay 2 nd lay 3 rd lay 4 th lay 5 th lay 2 nd lay 2 nd lay 2 nd lay 2 nd lay 3 rd lay 4 th lay 2 nd lay 3 rd lay 3 rd lay 3 rd lay 4 th lay 2 nd lay 3 rd lay 3 rd lay 4 th lay 5 th lay 2 nd lay 3 rd lay 4 th lay 5 th lay	er ng site No. 2 RD 1/600 to 1/675 er er er ver er	1x105x1.50x1.20 1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20	243 216	0.00 m3
5 TH lay Dumpi 1 st lay 2 nd lay 3 rd lay 4 th lay 5 th lay 2 nd lay 2 nd lay 3 rd lay 4 th la 5 th lay 2 nd lay 3 rd lay 4 th la 3 rd lay 3 rd lay 4 th la 3 rd lay 4 th la 5 th lay 2 nd lay 3 rd lay 4 th lay 5 th lay	er ng site No. 2 RD 1/600 to 1/675 er er er ver	1x75x2.70x1.20 1x75x2.40x1.20 1x75x2.10x1.20	243	
Dumpi 1 st laye 2 nd lay 3 rd lay 4 th lay 5 th lay Dump 1 st lay 2 nd lay 4 th la 5 th lay 2 nd lay 4 th la 3 rd lay 4 th la 3 rd lay 4 th la 5 th lay	ng site No. 2 RD 1/600 to 1/675 er er er ver	1x75x2.40x1.20 1x75x2.10x1.20	216	1.00 m3
1 st laye 2 nd lay 3 rd lay 4 th lay 5 th lay Dump 1 st lay 2 nd lay 3 rd lay 4 th la 5 th lay 2 nd lay 3 rd lay 3 rd lay 4 th la 5 th lay	er er er ver	1x75x2.40x1.20 1x75x2.10x1.20	216	3.00 m3
1 st laye 2 nd lay 3 rd lay 4 th lay 5 th lay Dump 1 st lay 2 nd lay 3 rd lay 4 th la 5 th lay 2 nd lay 3 rd lay 3 rd lay 4 th la 5 th lay	er er er ver	1x75x2.40x1.20 1x75x2.10x1.20		
3 rd lay 4 th lay 5 th lay Dump 1 st lay 2 nd lay 3 rd lay 4 th la 5 th la 5 th la 2 nd lay 4 th la 3 rd lay 4 th la	er ver	1x75x2.10x1.20		6.00 m3
4 th lay 5 th lay Dump 1 st lay 2 nd lay 4 th la 5 th la 5 th la Dum 1 st la 2 nd la 3 rd lay 4 th la 5 th la	ver			9.00 m3
5 th lay Dump 1 st lay 2 nd lay 3 rd lay 4 th la 5 th lai Dum 1 st la 2 nd la 3 rd la 3 rd la 3 rd la	or			2.00 m3
Dump 1 st lay 2 nd lay 3 rd lay 4 th la 5 th la Dum 1 st la 2 nd la 3 rd lay 4 th la	er	1x75x1.50x1.20	13	5.00 m3
1 st lay 2 nd lay 3 rd lay 4 th la 5 th la 5 th la 1 st la 2 nd la 3 rd la 3 rd la 4 th l				
1 st lay 2 nd lay 3 rd lay 4 th la 5 th la 5 th la 1 st la 2 nd la 3 rd la 3 rd la 4 th l	ing site No. 3 RD 4/840 to 4/915	1x75x2.70x1.20		3.00 m3
3 rd lav 4 th la 5 th la Dum 1 st la 2 nd la 3 rd la 4 th l	er	1x75x2.40x1.20	21	.6.00 m3
4 th la 5 th la Dum 1 st la 2 nd la 3 rd la 4 th l		1x75x2.10x1.20) 18	39.00 m3
5 th la Dum 1 st la 2 nd la 3 rd la 4 th l	yer	1x75x1.80x1.20) 16	52.00 m3
Dum 1 st la 2 nd la 3 rd la 4 th l	yer	1x75x1.50x1.20		35.00 m3
1 st la 2 nd la 3 rd la 4 th l	yer 5/750			
1 st la 2 nd la 3 rd la 4 th l	ping site No. 4 RD 5/690 to 5/750	1x60x2.70x1.2	-	94.40 m3
3 rd la 4 th l	yer	1x60x2.40x1.2	0 1	72.80 m3
4 th I	ayer	1x60x2.10x1.2	0 1	51.20 m3
-th L	iyer	1x60x1.80x1.2	0 1	29.60 m3
5 th la		1x60x1.50x1.2		.08.00 m3
	ayer			
Dum	nping site No. 5 RD 6/060 to 6/100	1x40x2.70x1.2		L29.60 m3
1 st la	ayer	1x40x2.40x1.2		115.20 m3
	ayer	1x40x2.10x1.	20 1	100.80 m3
	ayer	1x40x1.80x1.	20 8	86.40 m3
	layer	1x40x1.50x1.		72.00 m3
5 th	ayer CI555	1.000	1.2.2	
Dui	mping site No. 6 RD 6/495 to 6/555	1x60x2.70x1.		194.40 m3
1 st	layer	1x60x2.40x1.	20	172.80 m3
	layer	1x60x2.10x1	.20	151.20 m3
3 rd	layer	1x60x1.80x1	.20	129.60 m3
		1x60x1.50x1	.20	108.00 m3
5 th	layer			5228.80 m3

Name of work Construction of link road from Upper Jamli Baron to Kathana km. 0/0 to 6/700. (SH: Construction of wire crates for dumping sites)

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PURPOSE WISE BREAK UPTO TOTAL LAND REQUIRED FOR CONSTRUCTION OF LINK ROAD from Upper Jamli Baron to Kathana km. 0/0

to 6/700.

<u>२.</u> [0	Description	Total land required (Hect)	Private Land required (Hect.)	Private shamlat land (hect.)	(hec	nired ct).
1.	Construction of link road from Upper Jamli	5.254	1.593	2.205	1	.456
	road from Opper offer Baron to Kathana km. 0/0 to 6/700. For dumping site RD. 1	1.01	1	0.21		
2	For dumping site T 1/090 to 1/195 For dumping site RD. 2			0.13	5	
.3	For dumping site RD, 3	+	0.1	5		
4	4/840 to 4/915 For dumping site RD. 4	+				0.15
5.	= 1000 to 3/130					0.10
6	1000 40 6/100					0.15
	6/060 to 6/100 7 For dumping site RD. 6 6/495 to 6/555		0.	.15 0	.36	0.40

Total land for road construction = 4.344 Hect. Total land for dumping site = 0.91 Hect

Divisional Forest Officer, Nahan Forest Division

> Division Forest Offices Rahan, Forest Division Nahan(HLP.)

(Er Raujif Sheikh) Executive Engineer HP.PWD, Nahan

ABSTRACT OF COST

Name of work:- Construction of link road from Upper Jamli Baron to Kathana km. 0/0 to 6/700. (SH: Construction of wire crates for dumping sites)

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