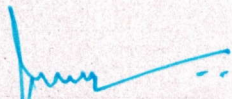


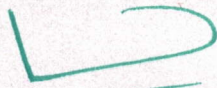
Project Name: Diversion of 1.276 Hectare of forest land in favour of HPPWD for the construction of link road from Upper Jamli to Baron Kathana (Km 0/0 to 6/700), within the jurisdiction of Nahan Forest Division, Distt. Sirmaur Himachal Pradesh

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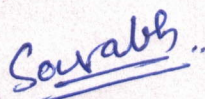
MUCK MANAGEMENT PLAN

1	Total quantity of muck to be generated from cutting	124890 m ³
2	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 the project.	18733 m ³
3	Net balance quantity of debris/muck	106157 m ³
4	Add quantity available on site with swell factor @ 25% on PW & JW	26539 m ³
	Total (A)	132696 m³
5	Less for materials required for dumping in behind R/wall etc. @10% of A	13277 m ³
6	Less for materials required for levelling of proposed road @ 15% of A	19904 m ³
7	Less materials/muck required for levelling/filling of road on the analogy of half cutting and half fittings @ 40% of A	53078 m ³
	Total (B)	86259 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)	46437 m³
9	Design proposed for dumping sites (attached)	6 Nos
10	Total capacity of dumping sites as per details attached	47775 m³
11	Area in hectare for dumping sites. i. Forest area ii. Non-Forest Area iii. Total	0.40 Hectare 0.51 Hectare 0.91 Hectare


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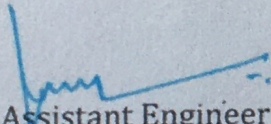
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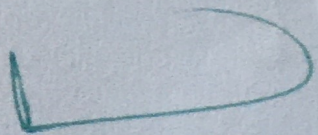

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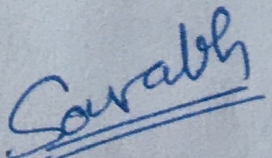
DETAILS OF DUMPING SITES

Sr. No	Name of dumping site	RD/KM	Area coming under dumping				Capacity of dumping sites. (in cum)
			Forest area (in Ha.)	Private Shamlat Land (in Ha.)	Private Land (in Ha.)	Total Area (in Ha.)	
1.	Dumping site No. 1	1/090 to 1/195		0.21		0.21	11288
2.	Dumping site No. 2	1/660 to 1/675		0.15		0.15	7387
3.	Dumping site No. 3	4/840 to 4/915			0.15	0.15	7725
4.	Dumping site No. 4	5/690 to 5/750	0.15			0.15	8062
5.	Dumping site No. 5	6/060 to 6/100	0.10			0.10	5400
6.	Dumping site No. 6	6/495 to 6/555	0.15			0.15	7913
Total:-			0.40	0.36	0.15	0.91	47775


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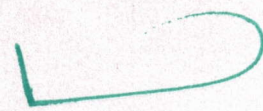
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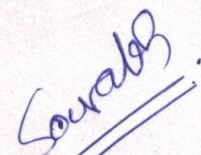
Detail showing the capacity of dumping sites

Sr. No	Name of dumping site	RD/KM	X-sectional area of dumping site	Length	Quantity/ Capacity (cum)
1	Dumping site No. 1	1/090 to 1/195	107.50 sqm	105	11288
2.	Dumping site No. 2	1/660 to 1/675	98.50 sqm	75	7387
3.	Dumping site No. 3	4/840 to 4/915	103.0 sqm	75	7725
4.	Dumping site No. 4	5/690 to 5/750	134.37 sqm	60	8062
5.	Dumping site No. 5	6/060 to 6/100	135.0 sqm	40	5400
6.	Dumping site No. 6	6/495 to 6/555	131.88 sqm	60	7913
		Total			47775


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DETAIL OF MEASUREMENT


Full Title of the Project: - Construction of Link Road from Upper Jamli to Baron Kathana (kms .0/0 to 6/700) (SH: Construction of wire crates for dumping sites)

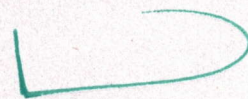
Sr. No	Description	No. L x B x H	Quantity in cum
1	Providing and laying of boulder apron laid on wire crates with 4mm dia wire confirming to 1:5:280 and 1:5:4826 in 100mmx100mm mesh (woven diagonally) including 10% extra for lapse & joints laid with stone boulders weighing not less than 25 kg each. Dumping Site No. 1 RD 1/090 to 1/195		
	1 st layer	1x105x2.70x1.20	340.0
	2 nd layer	1x105x2.40x1.20	302.40
	3 rd layer	1x105x2.10x1.20	264.60
	4 th layer	1x105x1.80x1.20	226.80
	5 th layer	1x105x1.50x1.20	189.0
2	Dumping Site No. 2 RD 1/600 to 1/675		
	1 st layer	1x75x2.70x1.20	243.0
	2 nd layer	1x75x2.40x1.20	216.0
	3 rd layer	1x75x2.10x1.20	189.0
	4 th layer	1x75x1.80x1.20	162.0
	5 th layer	1x75x1.50x1.20	135.0
3	Dumping Site No. 3 RD 4/840 to 4/915		
	1 st layer	1x75x2.70x1.20	243.0
	2 nd layer	1x75x2.40x1.20	216.0
	3 rd layer	1x75x2.10x1.20	189.0
	4 th layer	1x75x1.80x1.20	162.0
	5 th layer	1x75x1.50x1.20	135.0
4	Dumping Site No. 4 RD 5/690 to 5/750		
	1 st layer	1x60x2.70x1.20	194.0
	2 nd layer	1x60x2.40x1.20	172.80
	3 rd layer	1x60x2.10x1.20	151.20
	4 th layer	1x60x1.80x1.20	129.60
	5 th layer	1x60x1.50x1.20	108.0
5	Dumping Site No. 5 RD 6/060 to 6/100		
	1 st layer	1x40x2.70x1.20	129.0
	2 nd layer	1x40x2.40x1.20	172.80

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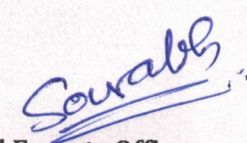
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	3 rd layer	1x40x2.10x1.20	151.0
	4 th layer	1x40x1.80x1.20	129.60
	5 th layer	1x40x1.50x1.20	108.0
6	Dumping Site No. 6 RD 6/495 to 6/555		
	1 st layer	1x60x2.70x1.20	194.0
	2 nd layer	1x60x2.40x1.20	172.80
	3 rd layer	1x60x2.10x1.20	151.20
	4 th layer	1x60x1.80x1.20	129.60
	5 th layer	1x60x1.50x1.20	108.0
	Total		5228.80


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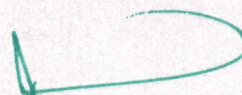
ABSTRACT OF COST

Full Title of the Project: - Construction of Link Road from Upper Jamli to Baron Kathana (kms .0/0 to 6/700) (SH: Construction of wire crates for dumping sites)

Sr. No.	Sub head and item of work	Quantity (cum)	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.	5228.80	1857.10	cum	9710404
Total					9710404

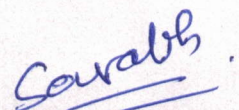


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