

Muck Management Plan

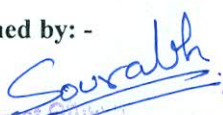
Name of work: -Construction of link road from Gulriya Dhang to Nero Kotri km.
0/0 to 4/935

1.	Total quantity of muck to be generated from cutting	47850	M3
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.	7975	M3
3.	Net balance quantity of debris/muck	39875	M3
4.	Add quantity available on site with swell factor @ 25% on PW & JW	11963	M3
	Total (A)	59813	M3
5.	Less for materials required for dumping in behind R/wall etc. @10% of A	5981	M3
6.	Less for materials required for levelling of proposed road @ 15% of A	8972	M3
7.	Less materials/muck required for levelling/filling of road on the analogy of half cutting and half fittings @ 40% of A	23925	M3
	Total (B)	38878	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)	20934	M3
9.	Design proposed for dumping sites (attached)	4 NOS	M3
10.	Total capacity of dumping sites as per details attached	24795	M3
11.	Area in hectare for dumping sites.		
	i. Forest area	0.18 hect.	
	ii. Non forest	0.54 hect	
	iii. Total	0.72 hect.	


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Nahan Sub Division
HP.PWD, Nahan


Executive Engineer,
Nahan division,
HP.PWD, Nahan.

Countersigned by: -


Divisional Forest Officer

Nahan Forest Division

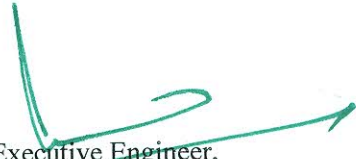
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Details of dumping sites.

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	0/0 to 0/060	0.18		0.18	24795
2.	Dumping site No. 2	0/200 to 0/260		0.18	0.18	
	Dumping site No. 3	0/350 to 0/410		0.21	0.21	
3.	Dumping site No. 4	3/800 to 3/860		0.15	0.15	
			0.18	0.54	0.72	


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**Details of area alignment of Construction of link road from
KathanaPataharDandholiChunjarJohri km. 0/0 to 7/540.**

Total area involved

For dumping site RD. 0/0 to 0/060 = $60 \times 30 = 1800$ or 0.18Hect

For dumping site RD. 0/200 to 0/260= $60 \times 30 = 1800$ or 0.18Hect

For dumping site RD. 0/350 to 0/410= $60 \times 35 = 2100$ or 0.21Hec

For dumping site RD. 3/800 to 3/860= $60 \times 25 = 1500$ or 0.15Hec

Total :- = 72000sqm or 0.72Hect


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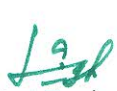
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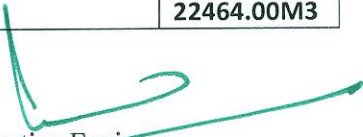

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Detail of Measurement

Name of work **Construction of link road from Gulriya Dhang to Nero Kotri km. 0/0 to 4/935 (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. 0/0 to 0/060 1 st layer 2 nd layer 3 rd layer 4 th layer	 1x60x2.40x1.20 1x60x2.10x1.20 1x60x1.80x1.20 1x60x1.50x1.20	 172.80 M3 151.20 M3 129.60 M3 108.00 M3 561.60 m3
	Dumping Site No. 2 RD. 0/200 to 0/260 1 st layer 2 nd layer 3 rd layer 4 th layer	 1x60x2.40x1.20 1x60x2.10x1.20 1x60x1.80x1.20 1x60x1.50x1.20	 172.80 M3 151.20 M3 129.60 M3 108.00 M3 561.60 m3
	Dumping Site No. 3 RD. 0/350 to 0/410 1 st layer 2 nd layer 3 rd layer 4 th layer	 1x60x2.40x1.20 1x60x2.10x1.20 1x60x1.80x1.20 1x60x1.50x1.20	 172.80 M3 151.20 M3 129.60 M3 108.00 M3 561.60 m3
	Dumping Site No. 4 RD. 3/800 to 3/860 1 st layer 2 nd layer 3 rd layer 4 th layer	 1x60x2.40x1.20 1x60x2.10x1.20 1x60x1.80x1.20 1x60x1.50x1.20	 172.80 M3 151.20 M3 129.60 M3 108.00 M3 561.60 m3
			22464.00M3


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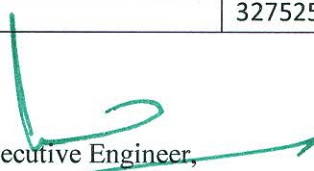

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ABSTRACT OF COST

Name of work:-**Construction of link road from Gulriya Dhang to Nero Kotri km. 0/0 to 4/935** (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	22464 cum	1458.00	Per Cum	3275251
Total :-					3275251


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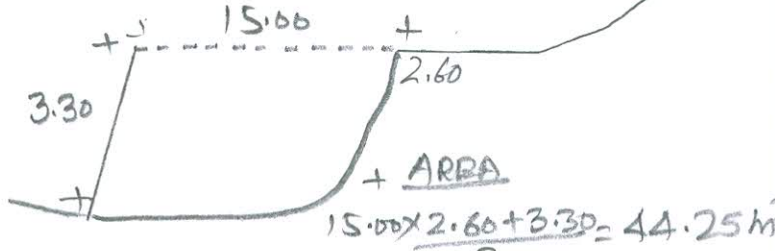
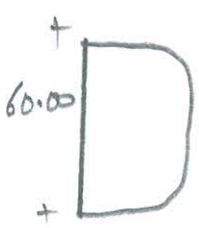
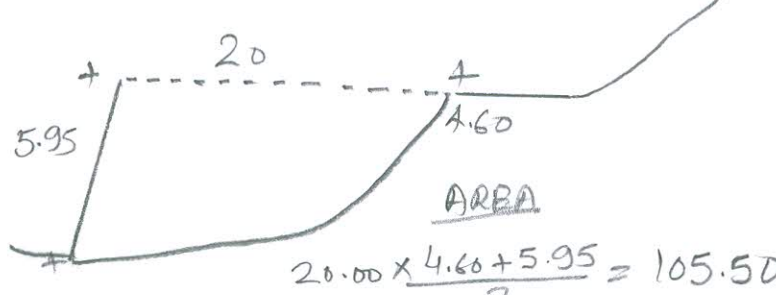
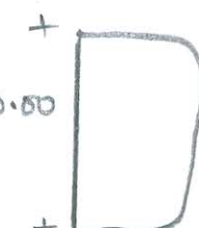
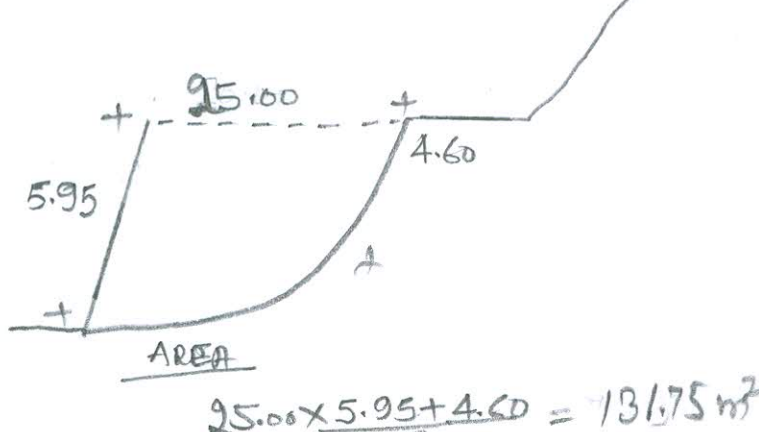
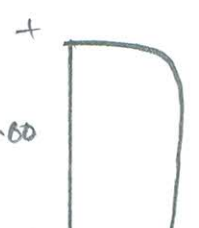
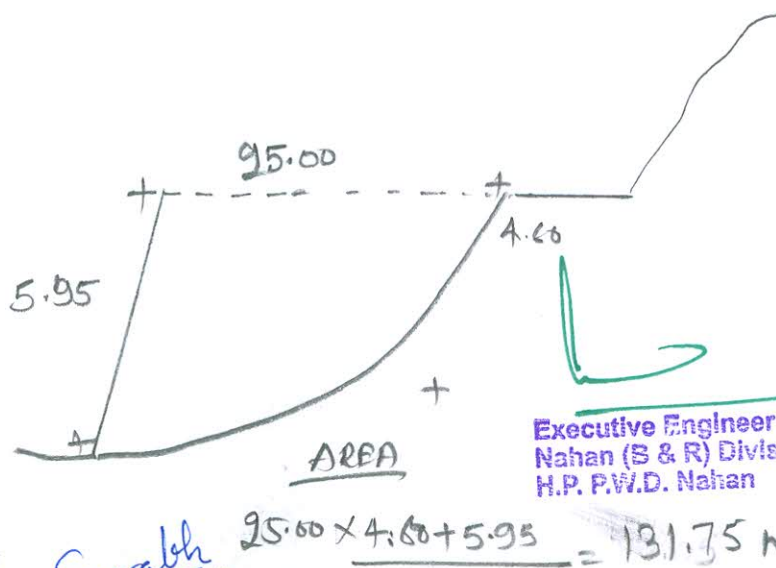

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MUCK MANAGEMENT PLAN Detail of DUMPING SITES

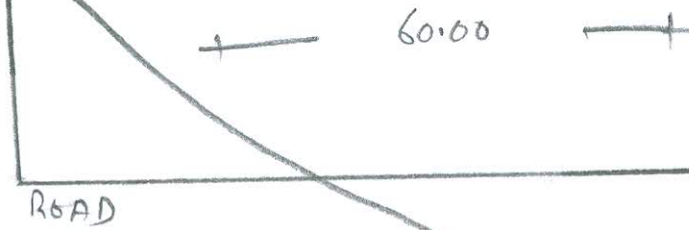
AMEO OF WORK:- G/O Link Road from Gulriya Dhang to Nexo
Kotoi km. 0/0 TO 4/935

PLAN	X-SECTION
 RD 0/0 TO 0/060	 AREA $15.00 \times 2.60 + 3.30 = 44.25 \text{ m}^2$
 RD 0/200 TO 0/260	 AREA $20.00 \times 4.60 + 5.95 = 105.50$
 RD 0/350 TO 0/410	 AREA $25.00 \times 5.95 + 4.60 = 131.75 \text{ m}^2$
 RD 0/350 TO 0/410	 AREA $25.00 \times 4.60 + 5.95 = 131.75 \text{ m}^2$ Executive Engineer Nahan (S & R) Division H.P. P.W.D. Nahan Sourabh Divisional Forest Officer, Nahan Forest Division, Nahan (H*) Tel No-01702-222240 Email ID dfonahan@gmail.com

5.27 + 0.55

TYPICAL X-SECTIONAL OF WIRE CRATES

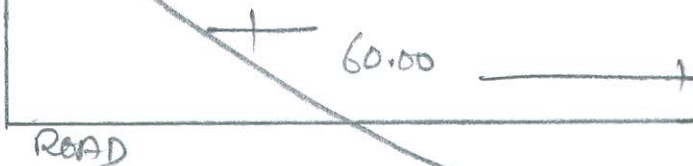
RD 0/0 TO 0/060 = 60.00 Mtr
 AREA = 60.00 X 30.00 = 1800 Sqm



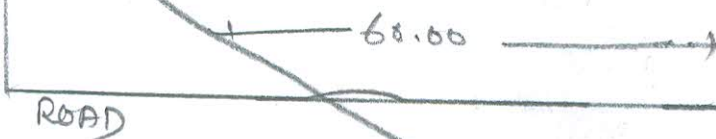
RD = 0/200 TO 0/260 = 60.00 Mtr.
 AREA = 60.00 X 30.00 = 1800 Sqm



ROAD = 0/350 TO 0/410 = 60.00 Mtr.
 AREA = 60.00 X 35.00 = 2100 Sqm



RD = 3/800 TO 3/860 = 60.00 Mtr.
 AREA = 60.00 X 25.00 = 1500 Sqm



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