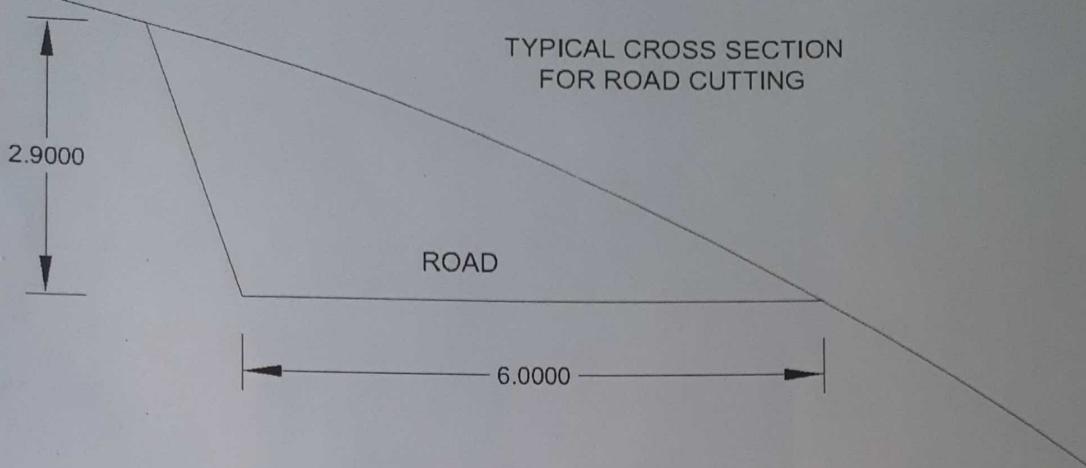


MUCK MANAGEMENT PLAN

Average Width of Road = 6 meters

Area of Road Cut Cross Section = 8.70 Sqm

Total Length of Road = 8050 meters (5675 meters in Forest Land & 2375 meters in Private Land)

Total Quantity of Excavation = 70036 Cum

Sr. No.	Particulars	Unit	Quantity
1.	Total Excavation	Cum	70036
2.	Deduction for useful stones @ 20%	Cum	14007
3.	Net Balance Qty of Debris/Muck	Cum	56029
4.	Qty. Available at Site with Swell Factor 45%	Cum	81242

Detail of Muck to be Utilized in Project Construction:

5.	Material / Muck Required for Levelling of Proposed Road @ 15% of 81242 Cum	Cum	12186
6.	Material/Muck Required for construction of Proposed Road on Road Cut & Filling Analogy @ 30% of 81242 Cum	Cum	24373
7.	Net Material to be Dumped at Dumping Sites. (4- (5+6))	Cum	44683

Location of Dumping Sites: (Capacity Calculations & Detail Attached)

1. At RD 1/600 (DPF Dhawala) – On Proposed Road with Capacity of Upto 23157 Cum
2. At RD 3/325 (DPF Dhawala) – On Proposed Road with Capacity of Upto 23157 Cum
3. At RD 7/670 (DPF Jadoon) – On Proposed Road with Capacity of Upto 23157 Cum

Total Dumping Capacity = 69471 Cum

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Executive Engineer
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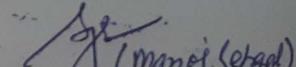
Raj Kumar, H.P.F.S.
Divisional Forest Officer
Kotgarh Forest Division, H.P.

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DETAIL OF WIRE CRATE AND ABSTRACT FOR CONSTRUCTION OF DUMPING SITE

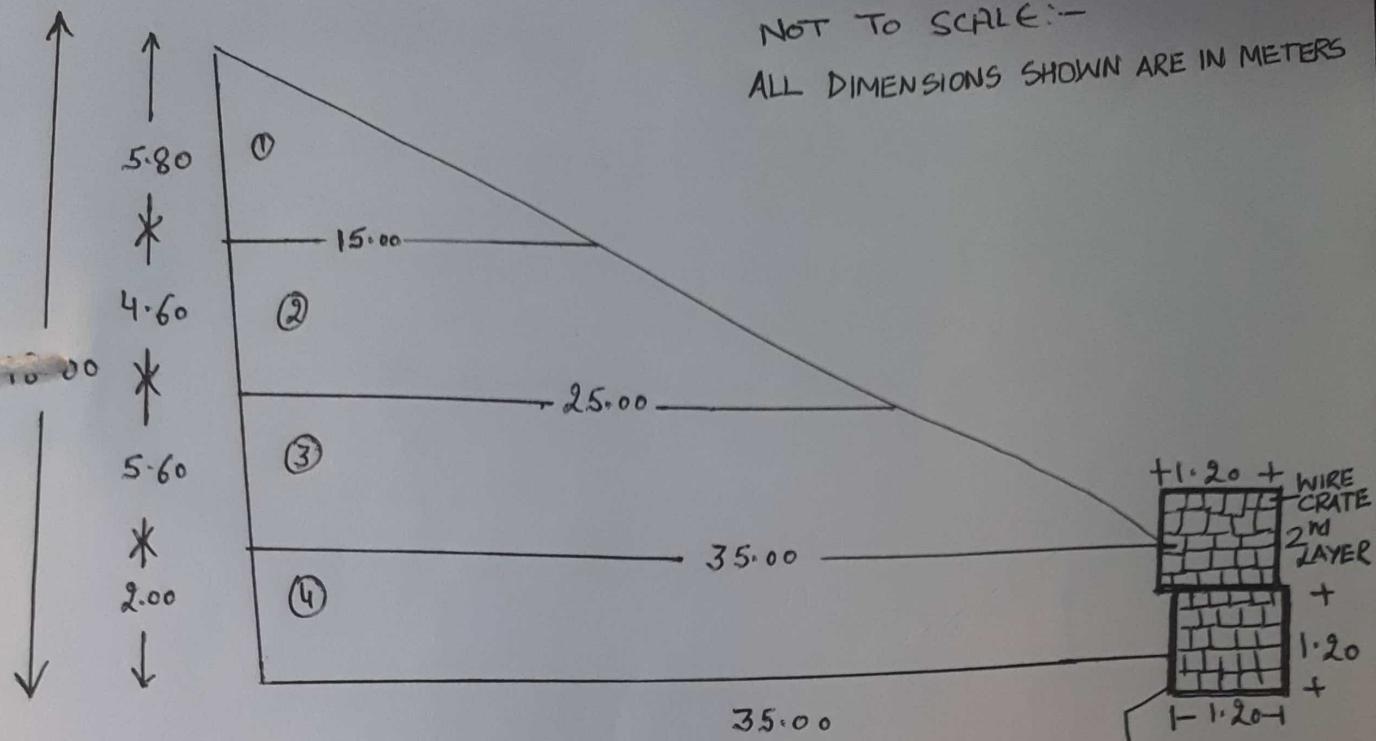
Sr. No.	Item of Work	Nos.	Length	Width	Height	Quantity	Rate	Amount
1	Excavation/ Earthwork	3	62	1.25	0.6	139.50 Cum	371	51755
2	P/L Boulder Apron in Wire Crates							1419552
	1 st Layer	1 x 3	62	1.20	1.20	267.84 Cum		
	2 nd Layer	1 x 3	62	1.20	1.20	267.84 Cum		
					Total	535.68 Cum	2650	1471307
					Add 10% on Account of Rehabilitation of Dumping Site			147131
							Grand Total (Rupees)	1618438


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NAME OF WORK: → C10 LINK ROAD FROM REOG TO DHAWALA GALANBHATI
1 KM 01000 TO 81050 -67

DETAIL OF DUMPING SITES AND RETAINING STRUCTURES



DUMPING AREA: →

- ① $\frac{1}{2} \times 15.00 \times 5.80 = 43.50 \text{ m}^2$
- ② $\frac{15.00 + 25.00}{2} \times 4.60 = 92.00 \text{ m}^2$
- ③ $\frac{25.00 + 35.00}{2} \times 5.60 = 168.00 \text{ m}^2$
- ④ $35.00 \times 2.00 = 70.00 \text{ m}^2$

$43.50 + 92.00 + 168.00 + 70.00 = 373.50 \text{ m}^2$

$$373.50 \times 62.00 \text{ MTR (Avg Length)} = 23157.00 \text{ m}^3 \times 3 \text{ Nos Dumping Site.} \\ = 69471.00 \text{ cu.m.}$$

∴ TOTAL CAPACITY OF ALL 3 NOS. DUMPING SITES = 69471 CUM.

Location of Dumping SITE: →

- ① Dumping SITE at RD 11600 (DPF Dhawala) - AT PROPOSED ROAD
- ② Dumping SITE at RD 31325 (DPF Dhawala) - AT PROPOSED ROAD
- ③ Dumping SITE at RD 71670 (DPF Jadoon) - AT PROPOSED ROAD

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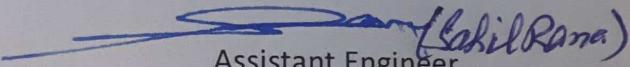
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Justification for Locating Dumping Sites in Forest Land

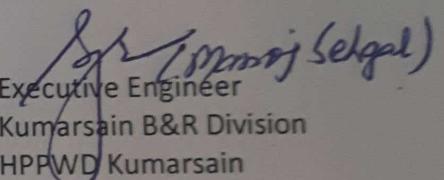
The quantum of Forest Land required as dumping sites is 00-65-08 hectares for the construction of Link Road Reog to Galanghatti via Dawala KM 0/000 to 8/050. The land owners of the area majorly have very less amount of land holding and belong to economically weaker section and thus are unable to donate their land for the construction of this road. Moreover, the private individuals who have larger land holding have already donated their land for this road project. Therefore there was no other option than utilizing forest land for dumping purpose, in order to provide road facilities to the local public.



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