

**DIVERSION OF 1.5358 HA. OF FOREST LAND FOR CONSTRUCTION OF LINK ROAD FROM  
RAH TO SANGAM VIA BHANYANKAR IN DISTRICT KANGRA (H.P.)**

FILE NO. : **FP/HP/ROAD/144563/2021**

DATE OF PROPOSAL :

## **RECLAMATION PLAN**

Dumping sites for disposal of muck have been identified with due consideration of its distance and suitability of the area and Topography point of view.

Accordingly the following sites have been identified:

Sr. No.	Description	Mohal	Khasra No.	Area in Sq.m.
1.	Dumping Site - I	Rah	623 / 1 / 2	150
2.	Dumping Site - II	Bhanyankar	86 / 2	200
3.	Dumping Site - III	Jatehar	27 / 2	225
4.	Dumping Site - IV	Jatehar	743 / 2	225
Total				800

### **Rehabilitation Proposal**

Since there is no displacement of any population due to the construction of the road there will be no rehabilitation problem.

### **Afforestation**

Compensatory afforestation shall be carried out by the forest department for which compensation shall be paid by the user agency. Area to be taken for afforestation shall be twice the forest land required for the construction of project.

### **Retaining walls**

RR Masonry/GI Wire crate filled with boulders/ stones reclaimed from excavation of road shall be used for construction of retaining walls for retaining the surplus excavated earth / muck as per standard design of HPPWD with due consideration to site condition.

### **Use of muck/debris**

Most of the excavation muck/debris obtained from the project components shall be used for manufacture of aggregates for construction work, filling in wire crates, stone masonry works, breast wall, back filling of retaining walls, etc. The remaining muck/ debris will be neatly stacked in dumping areas identified for the purpose.

### **Plantation**


The dumping area and various sites shall be properly leveled after the completion of the project. The area will be landscaped the plantation carried out so as to merge with the natural surroundings.

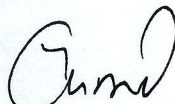
**MUCK DUMPING DETAIL FOR CONSTRUCTION OF LINK ROAD FROM RAH TO SANGAM  
via BHANYANKAR, TEHSIL KANGRA, DISTRICT KANGRA**

Location of Dumping	Area (in sq. m)	Slope of dumping place in degree	Qty. of muck generated ( Cu. Mtr)	Qty. with Swell Factor (Cu. Mtr. ) 35 %	Qty. muck to used ( Cu. Mtr)	Qty. of muck deposited (Cu. Mtr.)	Height of dumping expected in mtr.
Dumping Site – I	150	25	540	783	274	509	3.5
Dumping Site – II	200	15	720	1044	366	679	3.75
Dumping Site – III	225	30	785	1125	386	739	3.5
Dumping Site – IV	225	25	836	1225	436	788	3.8
<b>TOTAL</b>	<b>800</b>		<b>2881</b>	<b>4177</b>	<b>1462</b>	<b>2715</b>	<b>3.6 (Avg.)</b>

Sr. No	Description	Khasra no.	Area Sqm	Height	Capacity of Dumping Site Qty. in Cu.m.
1.	Dumping Site – I	623 / 1 / 2	150	3.5	525
2.	Dumping Site – II	86 / 2	200	3.75	750
3.	Dumping Site – III	27 / 2	225	3.5	788
4.	Dumping Site – IV	743 / 2	225	3.8	855
			<b>800</b>	<b>3.6(Avg.)</b>	<b>2918</b>

Place : Kangra  
Dated:

  
Assistant Engineer  
Kangra Sub-Division  
HPPWD, Kangra (HP)

  
Executive Engineer  
Kangra Division,  
HPPWD Kangra (HP)

Countersigned by :

  
Divisional Forest Officer  
Dharamshala Forest Division  
Dharamshala



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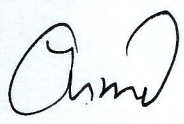
**COST ESTIMATION OF DUMPING SITES & PLANTATION  
LINK ROAD FROM RAH TO SANGAM via BHANYANKAR IN TEHSIL KANGRA, DISTRICT  
KANGRA (H.P.)**

SER. NO.	DESCRIPTION	UNIT	QTY.	RATE (IN Rs.)	AMOUNT (Rs. IN LAKHS)
1	Cost of Surveying and Investigation	Lumsum	1	15000	0.15
2	Cost of Carrying of muck to the dumping site and properly stacking.	CUM	2715	8	0.22
3	Providing Stone Filled Gabion Wire Crates for protection Work.	CUM	120	1450	1.74
4	Plantation of 88 plants @ Rs 75/- per plant.	Nos	88	75	0.07
5	Digging of pit for plantation.	Nos	88	50	0.05
6	Cost of Barbed wire Fencing for protection of Plants @ Rs. 35/- per plant.	Nos	88	35	0.03
7	Salary for Gardener for 4 years @ Rs.4200/- per month.	Months	48	4200	2.02
8	2 Nos. Beldar for protection of plantation for 2 years @ Rs.100/- per day.	Year	2	73000	1.46
9	Reclamation and restoration.	Lumsum	1	20000	0.20
10	Landscaping and Beautification.	Lumsum	1	25000	0.25
				Total	6.19 Lakhs


Place : Kangra

Dated:

  
Assistant Engineer  
Kangra Sub-Division  
HPPWD, Kangra (HP)

  
Executive Engineer  
Kangra Division,  
HPPWD Kangra (HP)

Countersigned by :

  
Divisional Forest Officer  
Dharamshala Forest Division  
Dharamshala