

**HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT**

No.: PW-SRDD-WA/Mandhorghat Gholan road /2024-25- 11370

Dated:- 07/10/2024

To ☒ The Divisional Forest Officer,  
Forest Division, Shimla Rural (Khalini).

Subject:- **Diversion of 0.7882 ha. of forest land in favour of HPPWD for the construction of link road from Mandhorghat to Golan Km. 0/00 to 1/810, within the jurisdiction of Shimla Forest Division, Distt. Shimla, Himachal Pradesh-reg.**

Reference:- **Deputy Inspector General Forest Office letter No. C/HPB/104/2023 dated 05.02.2024.**

The point wise reply of above mentioned reference is as under:-

1. The name mentioned in the authorization letter does not match the details of the person making the application and it cannot be changed due to technical fault on online Parivesh Portal.
2. (i). It pertains to D.F.O. office.  
(ii). Revised KML file with detail has been uploaded online on Parivesh Portal.  
(iii). Revised KML file has been uploaded online on Parivesh Portal.
3. Layout plan has been attached and sent to D.F.O. office for countersign by the DFO concerned and it is requested that the same may be returned to this office. So, we can upload it on Parivesh Portal.
4. The Muck management plan already submitted to D.F.O. office and same need to be countersigned. So, we can upload it on online Parivesh Portal.
5. It pertains to D.F.O. office.
6. It pertains to D.F.O. office.

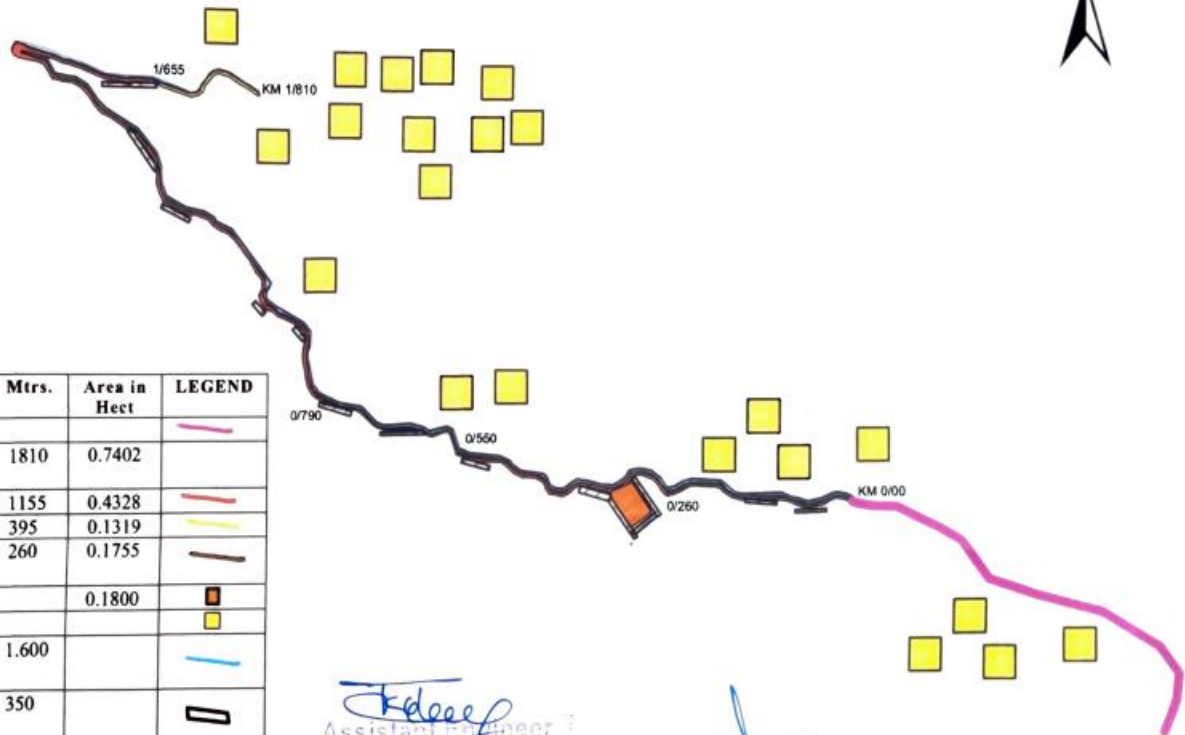
Encl: as above.

Executive Engineer,  
Shimla Rural Division,  
HPPWD Dhamsi.

Dy. Sd/- 3422  
Date 16-10-2024  
Shimla Forest Division

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# Layout Plan for the C/O Link road from Mandhorghat to Golan KM 0/0 to 1/810.



SR. NO	COMPONENT	LAND	Mtrs.	Area in Hect	LEGEND
1	Existing Road				
2	Total Project Road length	Forest & Non-Forest	1810	0.7402	
3	Broken Proposed Road	Forest	1155	0.4328	
4	Proposed Road	Non-Forest	395	0.1319	
5	Proposed Road	Gair Munkin Rasta Forest	260	0.1755	
6	Dumping			0.1800	
7	Built-up Area.				
8	Proposed road side Water Drain		1.600		
9	Protection Work R / Wall		350		
10	Protection Work B/ Wall		150		
11	Road Width Broken area		2.5 - 3		

*[Signature]*  
 Assistant Engineer  
 H.P.P.W.D. Sub Division  
 Dhamsi

*[Signature]*  
 Executive Engineer,  
 Shimla Rural Division  
 HPPWD, Dhamsi

*[Signature]*  
 Divisional Forest Officer  
 Shimla Forest Division  
 SHIMLA

## CHECK LIST NO. 28

Detail Reclamation Plan, whenever required. It should be realistic exhaustive and complete in all respects along with relevant maps in distinct colors. It should also include the details of back fillings, afforestation and execution of such works, whenever required.

Diversion of 0.7883 hectare of forest land has been proposed for the construction of Link road from Mandhorghat to Golan KM 0/0 to 1/810.in Tehsil Sunni & District Shimla. The construction of this road will generate muck to the extent of 16489.80 Cubic meter. By taking Deduction for useful stone .60 and a swell factor of 60% on the total muck become 19523.92 cubic meter (Detail attached at Page\_\_\_) Out of this 1135 cubic meter of muck will be used for construction of masonry walls, Edge/wall R/Wall and B/wall, leveling and half cutting half filling of the proposed road. The remaining 12495.31 Cubic meter of muck will require safe disposal. The user agency has identified 1 No. dumping sites for the disposal of this muck. The dumping site has been identified along the proposed site and the capacity of these dumping sites has been worked out to be 12600.00 cubic meter (Detail attached at Page\_\_\_) which is sufficient to hold the muck to be generated.

Thus all the muck generated will be dumped in the designated dumping sites. 1 number dumping site designated as DS-I had been identified for dumping of muck / debris to be produced during the construction phase of the project. It is proposed that the dumping sites are treated in such a manner that these do not pose any problem to the environmental management consideration arising out of the necessity to stabilize the dumping sites at the earliest. Therefore, this reclamation plan has been formulated with the following objectives:-

1. To arrest the dumped muck in-situ so that it does not find its way to the nearby drainage channels, thus altering the drainage pattern of the area.
2. To rehabilitate the dumped area over a period of time so that it merges with the Adjoining natural landscape and does not stand out as a sore point.
3. To improve the aesthetics of the dumping grounds/ dumping site by planting suitable Plants and trees species thereby increasing the forest cover in the area.
4. To stabilize the dumping site by vegetative and engineering structures.

### Implementation :

The proposal will be implemented by the user agency itself at its own cost as detailed in this plan. The implementation of the plan will be supervised by the forest department from time to time and the progress will be periodically monitored. In case of default the sanction of diverted land may be revoked with suitable penalty as decided by the Govt. of India.

### Strategy :



The pronged approach will be followed for reclamation of dumping sites. In the first instance crate wall will be erected around the dumping site so that required capacity for dumping of muck is created at the sites. The detailed drawings of the crate work to be undertaken are enclosed. The primary objective of the crate works will be to arrest the dumped muck at the dumping sites itself and not allow its spillage to adjoining areas and eventually to nearby drainage lines. The capacity of the dumping sites has been calculated as detailed in the table and will be enough to hold the muck required to be dumped in each of the sites.

In the second phase, once the dumping is complete it will be ensured that the dumping site is planted with grasses, bushes, shrubs and tree so that it gives an aesthetic look. This vegetal cover will also help in binding the soil and will prevent its erosion. For vegetating the dumping sites, suitable local species will be preferred. However, it may be noted that bulk of the muck to be dumped will be excavated material which will be lacking in essential nutrients and organic matter. Hence it will be desirable to increase the nutrient status of the top soil to make it conducive to tree/ vegetal growth. For this purpose, maturing of top soil shall be required, imported soil shall be brought to replenish the top soil. Instantly grasses and bushes will be planted in the area to improve the soil condition. Once these grasses and bushes take hold of the site, tree species will be planted in next phase. The tree species to be planted will be namely Robinia, Lucinea, albizia, Drek Amla Bamboo, Khair, Chail and Devdar.

Grasses like Steria and Napier will also be propagated. Trees will be Planted as the closer spacing so that canopy is closed at the earliest. Hence the spacing will be kept at 1.5 mtr. x 1.5 mtr. The total area involved in dumping is 1800 Square metre. Also due to inert nature of soil, plants will need extra care for their establishment. For this purpose, imported soil/ organic manure will be added in each pit for easy establishment of plants. Watering of the plant in dry season will be provided to prevent mortality. The plantation will be further maintained at project cost for next five year beating up of failure will be done.

**Post reclamation arrangement :**

Since the area in question is required by the user agency only for the temporary use of dumping, hence the area will be reverted back to forest department after implementing the reclamation plan, if so stipulated by Govt. of India. However, if at the time of so reverting back the areas to forest department if any activities as per this reclamation plan is found wanting then the forest department may realize the cost that activity from the user agency at the prevailing wages rates applicable in forest department and may get the same done departmentally at the project cost.

Place : Shimla

Dated :- 05-Feb-21

Dhami

Divisional Forest Officer  
Shimla Forest Division  
SHIMLA

## MUCK MANAGEMENT PLAN

1	Total Qty. of Muck being Produce	16489.80
2	Deduction for useful stone as required under the clause of agreement to be executed by the contractor and executive Engineer of Project	
3	Net Balance quantity of Debris/Muck(1-2) A	4287.35
4	Quantity available on site with swell factor 2 60% 1.60xA	12202.45
	Material/Muck to be used in project:	19523.92
5	1. Deduction for material/required for the construction of dumping place in dry masonry wall/ edge walls @ 5% of(B)	
	2. Less for material/muck required for the levelling of the proposed road for the construction @ 15% of (B)	976.20
	3. Less for material/muck required for the Construction of the proposed road on the analogy of half cutting & half filling @ 40% of (B)	2928.59
		7809.57
6	Net material/muck to be dumping in dumping site (B-C) Total:- 5(1)+5(2)+5(3)	11714.35
		7809.57
	Proposed Dunping sites In Ton	12495.31
7	Material/Muck left at site which required carriages for the proper dumping at the recognized site as per instruction of Forest and Environment Ministry reinforced by various judgment of the apex court Govt. of india.	
	Dumping Capacity Plan	
	Sr. No.	Dumpling site no.
	1	1
	R.D	Design annexed Yes/No.
	0/310 to 0/346	Yes
	Capacity	00-18-00
	Total:-	00-18-01

Junior Engineer  
Section.....  
HP PWD Sub-Division  
Dhami

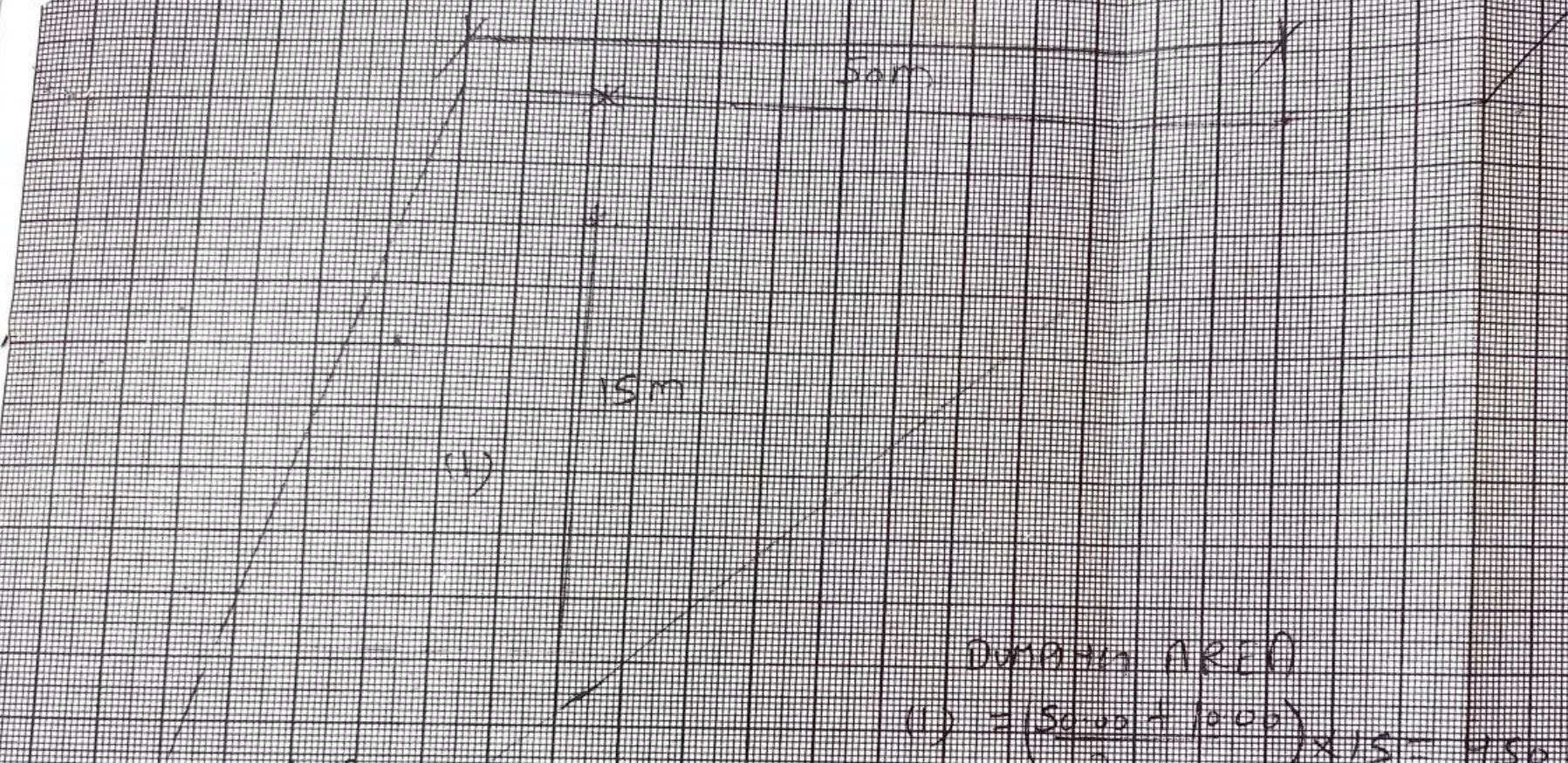
Assistant Engineer  
HPPWD Sub-Division  
Dhami

Executive Engineer,  
Shimla Rural Division,  
HPPWD, Dhami

Divisional Forest Officer  
Shimla Forest Division  
SHIMLA



KD 7310 to 7396 (L=36m)



DRAINAGE AREA

$$(1) = \frac{(50.00 + 10.00)}{2} \times 15 = 450.00 \text{ sqm}$$

$$(ii) = \frac{1}{2} \times 10 \times 5 = 25.00 \text{ sqm}$$

Total = 475.00 sqm

L = 36m

Quantity =  $475 \times 36 = 17100 \text{ cum}$

visional  
himla Fort  
SI

Junior Engineer  
Section  
HP Road Sub Division  
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Special Engineer  
HP Road Sub Division  
Dhami