

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.-SRDD-W.A.-D.O.F.L/2022-13640-42
To

Dated:- 16/08/2022

✓ The Divisional Forest Officer,
Shimla Forest Division, Shimla-2

Subject:- Diversion of 00-7883 ha. Forest land for the construction of link road Mandhorghat to Golan, the Jurisdiction of Shimla Forest Division.

Reference:- Your office letter No. FCA/2357 dated 16.06.2022.

With reference to above, the point wise reply to the observations raised by the your office is submitted as under:-

1. Needful has been done.
2. Pertain to your office.
3. Pertain to your office.
4. Pertain to your office.
5. Needful has been done.
6. Pertain to your office.
7. Pertain to your office.
8. Pertain to your office.
9. Pertain to your office.
10. Pertain to your office.

This is for your kind information and necessary action.

Encls:- As above.

Executive Engineer,
Shimla Rural Division,
HP.PWD, Dharni,

1. Copy to the Superintending Engineer, 4th Circle, HP.PWD., Shimla-3 for information please.
2. Copy to the Assistant Engineer, Dharni Sub-Division, HP.PWD., Dharni, for information and necessary action.

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Executive Engineer,
Shimla Rural Division,
HP.PWD, Dharni

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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 11714.35 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 done. If 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.

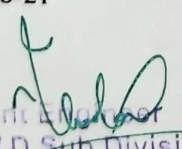
Grasses like Steria and Napier will also be propagated. Trees will be Planted as the closer spacing so that canopy is closed at the earliest. Hence the spacing will be kept at 1.5 mtr. x 1.5 mtr. The total area involved in dumping is 1800 Square metre. Also due to inert nature of soil, plants will need 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.

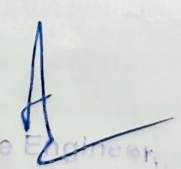
Post reclamation arrangement :

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


Assistant Engineer
H.P.P.W.D. Sub Division
Dhami


Executive Engineer,
Shimla Rural Division,
HPPWD, Dhami