Reclamantion Plan of dumping site on forest land

General abstract of estimate of reclamination over an area 0.16 ha. forest land proposed for dumpping for construction of link road from chillion to chowkimigrwal within the jugdrication of the Renukaji Forest Division

Year	Area in ha.	Norm fixed for 2022-23		Amount	
		at the wage rated of	ha.		
		Rs.350/- per day			
	1	(including cost of plant			
		1100 per ha. @ 19/- per			
		plant)		15510	
Year plantaion over an area	0.16	110700	2022-23	17712	
of 1.6 ha. has proposed for					
dumpping				2700	
1 st year maintenance	0.16	16870	2023-24	2700	
(Including cost of plant					
30% @ 19/- per plant)			2024.25	1805	
2 nd year maintenance	0.16	11280	2024-25	1005	
(Including cost of plant					
20% @ 19/- per plant)			2025-26	926	
3 rd year maintenance	0.16	5790	2023-20	720	
(Including cost of plant					
(Including cost of plant)			2026-27	592	
10% @ 19/- per plant)	0.16	3700	2027-28	592	
4 th year maintenance	0.16	3700	2028-29	592	
5 th year maintenance	0.16	3700	2029-30	592	
6 th year maintenance	0.16	3700	2030-31	592	
7 th year maintenance	0.16	3700	2031-32	592	
8 th year maintenance	0.16	3700	2032-33	592	
9th year maintenance	0.16	3/00		27287	
10th year maintenance	0.10	Total	17.5%	4775	
			5%	1364	
Departmental Charges				33426/-	
Contingencies		G.Total			

Technical Details:-

d details of Compensatory Afforestation Scheme are as follows:-

		Technical details of Confi	Reclamation to be carried in dumping site.
			3 mtrs.X 3 mtrs.
	a	General Details	R/I
	b	Spacing	By mannual pit digging and planting.Pit size
-	C	Species	45x45x45 cm
	d	Plantation Method	

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e	Soil and Moisture Conservation Works	As per reclamation plan proposed by user
f	Protection (Fencing, Watch man people's	Agency.
To the state of th	Participlation etc.) Proposed Monitoring Mechanism	Frequent inspection of area by Forest
g	Any other information:-	Officers.
h	Any other information	As per site condition minor variation can be made in the planattion. Area to be planted as per notional hectare.

Divisional Forest Officer, Sri Renuka Ji Forest Division District Sirmour HP. RECLAMANATION PLAN for Dumping site in respect of FCA proposal for Diversion of 1.92 Hectare of RECLAIM to Find has been proposed for construction of road from Chillon to Chowkimrigwal km 0/00 to 8/00.

The total length of the road is 8.0 kms in which length i.e. 3200 metres passed through the forest and 4800 mtr through private land. The road will be constructed in cut and fill method. A total quantity of 37051 cum of muck will be generated during the construction of this road. Since after excavation of earth, there will be some increases in volume of soil which is calculated @ 40%. The serviceable materials will be stacked at site in the form of stone/Aggregates i.e. 5558.00 m3, 31493.00 m3 of muck generated will be used for in dry masonry & edge wall, nearly 15% of muck generated will be used for leveling of road. After increases in volume 10097.00 cum , muck will have to be disposed of in the identified dumping sites as per reclamation plan.

The details of dumping site is as under:

S.No.	Name of dumping site	RD/KM	Area coming under dumping		
			Forest area	Non Forest Area	Total
1.	Dumping site No. 1	0/645 to 0/665	0.04 Hectare	0	0.04
2.	Dumping site No. 2	1/270 to 1/290	0.04Hectare	0	0.04
3.	Dumping site No. 3	1/360 to 1/380	0.04 Hectare	0	0.04
4.	Dumping site No. 4	2/840 to 2/860	0.04 Hectare	0	0.04
4.	Dumping site ivo.	Total :-	0.16 Hectare	0	0.16

Thus all the muck generated will be dumped in the designated dumping sites. Three numbers of dumping sites designated as DS-1,DS-2,DS-3 & DS-4 have been identified for dumping the muck/debris to be produced during the construction phases of the project. It is proposed that the dumping site are treated in such a manner that these do not pose any problem to the environment of the locality. This reclamation plan has been formulated with the following objective.

- 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.
- To improve the aesthetic view of the dumping grounds/dumping site by planting suitable plants and trees species thereby increasing the vegetable cover in the area.
- To stabilize the dumping sites by vegetative and engineering structure.

<u>Implementation</u>

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

With suitable penalty as decided by the Govt. of India.

strategy

Three pronged approach will be followed for reclamation of the dumping sites. In the first instance crate Three promotes around the dumping site so that the required capacity for dumping of muck is walls will be to arrest the discrete work will be to arrest the discrete works to be undertaken are enclosed. The primary objective of the crate work will be to arrest the dumped muck to the dumping site and not to allow its spillage to the adjoining are eventually to nearby drainage lines. The capacity of the dumping sites has been calculated 14000 m3 as details in the table at page No. 103 and will be enough to hold the muck to be dumped in the each of the sites.

In the second phase once the dumping is complete it will be ensured that the dumping site is planted with the grasses, bushes shrubs so that it gives an aesthetic look. This vegetal cover will also help in hinding the soil and will prevent it's erosion for vegetating the dumping sites suitable local species will be preferred. However, it may be noted that the bulk of the muck to be dumped will be excavated materials which will be lacking in essential nutrients and organic matter and hence it will be desirable to increase the nutrients status of the top soil to be conductive to tree vegetal growth. For this purpose maturing of the top soil be done if requited the imported soil be brought to replenish the top soil. Intently the grasses and bushes will be planted in the area of improve the soil condition. Once these grasses and bushes take hold to the site the trees species will be planted in the next phase. The Dumping site will be fenced with barbed wire fencing to prevent the entry of the stray cattle thereby ensuring the protection of the plant from grazing. Also due to inert nature of the soil, plant will be need extra care for their establishment for the purpose imported soil/organic manure will be added in each pit for easy establishment of plants. Watering of the plant in dry session will be provided to prevent mortality. The plantation will be further plant maintained in project cost for ten years when beating up of failure will be done.

The cost estimate of dumping site is enclosed as Annexure R1 at page No. 105 and the cost for the trees will be met from the yearly programme of plantation during rainy season. The plantation work will be started from the yearly programme of plantation at the started from the year following the completion of dumping site. However erection of the crate walls around the dumping sites will be done period to actual dumping.

The total cost for reclamation Plan is Rs. 1871957.00 only.

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

get the same done departmentally at the project cost.

Date: - 26-12-2022

Place: Shillai

Shillai (BER) Division H.P.PWD Shillai