

CHECK LIST SERIAL NUMBER – 32

**RECLAMATION PLAN  
FOR CONSTRUCTION OF SEPTAGE TREATMENT PLANT AT SAKOH IN MOHAL  
PANJLEHAR, TEHSIL DHARAMSHALA, DISTRICT KANGRA (H.P.)**

The muck produced from all the components would be self utilized with due consideration of its distance from the component, suitability of the area and Topography point of view.

**Rehabilitation Proposal**

Since there is no displacement of any population due to the construction of the Septage Treatment Plant, 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. Compensatory Afforestation shall be carried out in double the degraded forest land of the area proposed for diversion.

**Retaining walls**

RR Masonry / GI Wire crate filled with boulders/ stones reclaimed from excavation of various project components shall be used for construction of retaining walls for retaining the surplus excavated earth / muck as per standards adopted with due consideration to site condition.

**Use of muck/debris**

The entire muck/debris obtained from the project components shall be used for manufacture of aggregates for construction work, filling in wire creates, stone masonry works, breast wall, etc.



# PROFORMA FOR DETAILS OF MUCK

Project Component	Quantity of Muck / debris generated	Quantity of muck with 45 % swell factor	Total quantity of muck / debris including swell factor	Estimated quantity of muck / debris proposed to be utilized	Estimated quantity of muck / debris proposed to be dumped	Name of the dumping site as shown in the plan	Capacity of the dumping site (cu.mt)
1	2	3	4	5	6	7	8
Approach Road	$109 \times 8 \times 0.40 = 349$	157	506	126	380	Self Utilize	1460
Turning Area	$20 \times 20 \times 0.25 = 100$	45	145	44	101		
Thickner I	$10 \times 10 \times 0.50 \times 0.40 = 20$	9	29	-	29		
Thickner II	$10 \times 10 \times 0.50 \times 0.40 = 20$	9	29	-	29		
Bio-F-I	$10 \times 5 \times 0.50 \times 0.40 = 10$	5	15	-	15		
Bio-F-II	$10 \times 5 \times 0.50 \times 0.40 = 10$	5	15	-	15		
Lab	$10 \times 10 \times 0.50 \times 0.40 = 20$	9	29	-	29		
SDB Unplanted	$20 \times 25 \times 0.50 \times 0.40 = 100$	45	145	-	145		
SDB Planted	$20 \times 25 \times 0.50 \times 0.40 = 100$	45	145	-	145		
Solar Unit	$25 \times 5 \times 0.25 = 31$	14	45	-	45		
F-Sump	$2 \times 2 \times 0.25 = 1$	1	2	-	2		
M-Bar -I	$10 \times 5 \times 0.40 \times 0.60 = 12$	5	17	-	17		
M-Bar -II	$10 \times 5 \times 0.40 \times 0.60 = 12$	5	17	-	17		
Wet Land	$16 \times 5 \times 0.40 = 32$	14	46	-	46		
Pond	$16 \times 5 \times 1.25 = 100$	45	145	-	145		
Inlet I	$10 \times 10 \times 0.50 = 50$	22	72	-	72		
Inlet II	$10 \times 10 \times 0.50 = 50$	22	72	-	72		
Lime Tank	$10 \times 6 \times 0.60 \times 0.50 = 15$	7	22	-	22		
MMF	$5 \times 3 \times 0.60 \times 0.50 = 5$	3	8	-	8		



	$5 \times 3 \times 0.60 \times 0.50$ = 5	3	8	-	8		
TOTAL	1042	470	1512	170	1342	-	1460

A retaining wall of 75 m length is required to be constructed and muck generated i.e. 1342 m<sup>3</sup> Cubic Meter shall be utilized for the backfilling of this retaining wall and levelling of the vacant area within the boundary. So the muck generated i.e. 1342 m<sup>3</sup> shall be utilized locally.

Place : Dharamshala  
Dated : 19-04-2022

Er. Sarvan Kumar Thakur  
Executive Engineer  
Dharamshala Division  
HP & PH Dharamshala  
Dharamshala

Countersigned by :

Dr. Sanjeev Sharma (HPFS)  
Divisional Forest Officer  
Dharamshala Forest Division  
Dharamshala



DIVERSION OF 0.4047 HA. OF FOREST LAND FOR CONSTRUCTION OF SEPTAGE  
TREATMENT PLANT AT SAKOH IN DHARAMSHALA, DISTRICT KANGRA, (H.P.)

FILE NO.

: FP/HP/Others/50258/2020

DATE OF PROPOSAL

:

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UNDERTAKING FOR DISPOSAL OF MUCK

It is to certify that I, Er. Sarvan Kumar Thakur, Executive Engineer, Dharamshala Division, HP I&PH Dharamshala, District Kangra (HP) - 176215, have applied for diversion of 0.4047 ha. of forest area for the purpose of construction of Septage Treatment Plant at Sakoh in Mohal Panjlehar, Tehsil Dharamshala, District Kangra (H.P.).

I, hereby undertake that the muck generated during the construction of Septage Treatment Plant will be self-utilized for backfilling of retaining wall and levelling of the low lying areas within the boundary and no muck will be dumped in forest land outside the diverted area or rolled down the hill side.

Place : Dharamshala

Dated : 19-04-2022

Er. Sarvan Kumar Thakur  
Executive Engineer  
Dharamshala Division  
HP I&PH Dharamshala  
Dharamshala

Countersigned by :

Dr. Sanjeev Sharma (HPFS)  
Divisional Forest Officer  
Dharamshala Forest Division  
Dharamshala