

## JUSTIFICATION REGARDING DISPOSAL OF MUCK

### Introduction

The project envisages Establishment of FSSM System for treatment of Faecal Sludge Generated from Household Sanitation Facilities with State-Of-Art Technology at Dharamshala Distt. Kangra Himachal Pradesh (S.H.: C/o FSSM System (60 KLD Capacity) based on Engineered Natural Treatment Systems with amalgamation of Renewable Energy along with O&M for five years).

The proposed project site is in natural uniform slope of about 1:8. Project development activities will be involving construction of shallow rectangular tank structures with depth ranging from 0.5 meter to 2.00 meter with mostly above ground. In such conditions, only base part of the structures (0.3 meter) will be in soil and rest of the structure will be above ground. This small amount of excavation soil will be used in-situ for development of inter connecting paths, backfilling and internal roads in a planned manner.

The excess cutting generated, disposal sites and adequate disposal and management guidelines have been discussed in the following sections.

#### 1. Excess Earth Quantity Generation :-

In the proposed project, debris is expected to be generated very less as 0.3 meter excavation below ground level is involved. Whole Earth quantity so generated is utilization as filling in-situ for the construction of Project. No excess debris generation from the project is left for disposal.

#### Guidelines on Debris disposal Management

1. Fencing shall be done to prevent human/animal interference.
2. Disposal shall not obstruct the natural drainage pattern.

3. Trees shall be retained along the contours wherever feasible so as not to disturb the natural slope.
4. Protection walls shall be constructed along the contours and the muck generated will be utilized for backfilling of these protection Walls.
5. No muck shall be rolled down the hill side or disposed-off in forest land and khad passing nearby.
6. Disposal may be avoided during the rainy season, to avoid slipping of debris while disposal.
7. Top soil shall be stripped wherever feasible to a specified depth of 150 mm and stored in stockpiles of height not exceeding 2 m in height and used for landscaping.

Date : 06-08-2022  
Place : Dharamshala

Executive Engineer  
Jal Shakti Division  
Executive Engineer  
Jal Shakti Division  
Dharamshala  
Dharamshala

Countersigned By :-

Divisional Forest Officer  
Dharamshala Forest Division  
Dharamshala