

**DIVERSION OF 1.0041 HA. OF FOREST LAND FOR CONSTRUCTION OF LWSS PC  
HABITATION TO VILLAGE HARIPUR & MULTI VILLAGE PIPED WATER SUPPLY  
SCHEME OF DEHRA BLOCK IN TEHSIL HARIPUR, DISTRICT KANGRA**

FILE NO. : **FP/HP/WATER/148410/2021**

DATE OF PROPOSAL :

CHECK LIST SERIAL NUMBER – 32

**RECLAMATION PLAN**

**Disposal of Muck**

The muck produced while construction of LWSS PC Habitation to Village Haripur & Multi Village Piped Water Supply Scheme of Dehra Block in Tehsil Haripur would be self-utilized with due consideration.

**Rehabilitation Proposal**

Since there is no displacement of any population due to the construction of the project there will be no rehabilitation problem.

**Afforestation**

Compensatory afforestation shall be done on degraded forest land, double the area proposed for diversion. However trees shall be planted in the surrounding area with consultation of Forest Department.

**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 construction of LWSS PC Habitation to Village Haripur & Multi Village Piped Water Supply Scheme of Dehra Block in Tehsil Haripur shall be used for manufacture of aggregates for construction work, filling in wire creates, stone masonry works, breast wall and Protection Works of the Pump House and Water Tanks, etc.

**PROFORMA FOR DETAILS OF MUCK**

Project Component	Quantity of Muck / debris generated	Quantity of muck with 35 % 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
Pump House	50 x 50 x 1.2 x 0.50 x 0.25 = 375	131	506	506	-	Self Utilize	3000
Pipe Line	5348 x 0.4 x 0.5 = 1070	375	1445	1445	-	Self Utilize	
Water Tank - I	60 x 60 x 0.5 x 0.25 = 450	158	608	608	-	Self Utilize	
Water Tank -II	40 x 40 x 0.5 x 0.25 = 200	70	270	270	-	Self Utilize	
<b>TOTAL</b>	<b>2095</b>	<b>734</b>	<b>2829</b>	<b>2829</b>	<b>-</b>	<b>Self Utilize</b>	<b>3000</b>

A retaining wall of 100 m length is required to be constructed for the protection works of the Pump House so muck generated during construction of Pump House i.e. 506 m<sup>3</sup> shall be utilized for the backfilling of this retaining wall. Cut & Fill method shall be used during construction of Pipe Line, so muck generated i.e. 1445 m<sup>3</sup> will self utilized. The muck generated during construction of Water Tank I and Water Tank II will be utilized in protection works of the tanks. So the muck generated i.e. 2829 m<sup>3</sup> shall be utilized locally. The total capacity of the area which requires protection works is about 3000 m<sup>3</sup>.

Place : Dehra  
Dated:

  
Executive Engineer,  
I & PH Department,  
Dehra Division

Countersigned by :

  
**Divisional Forest Officer**  
**Forest Division**  
**Dharamshala**

  
Divisional Forest Officer  
Dehra Forest Division  
Dehra