HIMACHAL PRADESH POWER TRANSMISSION CORPORATION LIMITED
(A State Govt. undertaking)
Corporate office : Himfed Bhawan, Panjari, Shimla-171005(H.P.)
Number (CIN) : U40101HP2008SGC030950
GST No. : 02AACCH1548M1ZP
Website address : www.hpptcl.com
Telephone/Fax : 0177-2831283, 2831284

Clarification Regarding Muck Management Plan

In the case of the construction project titled "132 kV MCT line on 220 kV towers from 220/132/33 kV Substation Andheri to tower no. 20/21 of existing 132 kV Jamta-Kalaamb transmission line," the quantity of cutting/excavation and filling has been calculated based on the design drawings and site-specific requirements. According to these calculations, a total of 176.35 cubic meters (cum) of soil has been determined as surplus. However, it is important to note that when this total quantity is divided by the number of towers, it translates to a very small amount of 4.30 cum per tower, considering the size of the towers.

Additionally, it needs to be highlighted that HPPTCL would need soil to be borrowed for the purpose of maintaining tower benches. Given that we have an average surplus of 4.30 cum of soil per tower, we can utilize this excess soil at specific locations, where benching is required to maintain the tower levels. This information is already indicated in the tower-wise details of earth cutting and filling, as mentioned in the subsequent notes following the calculations(encircled).

		Sub total-40		
41	T-41	Bench cutting/ filling + Breast wall cutting	27.018	32.436
		Excavation of tower foundation	474.21	
		Backfilling behind retaining walls		0.00
		Filling of tower pits after concreting.		396
		Sub total-41	501.23	428.436
	Grand Total (1 to 41)		23549.48	23373.13
	Net Surplus Earth to be Disposed off			176.35

NOTES:-
1) NET SURPLUS EARTH TO BE DISPOSED OFF = 176.35 cum approx. i.e., 4.3 cum/ per. tower.

2) At most of tower locations, out of total earth filling as computed above, 20 to 40 % of stone/ boulders other than soil likely to be found during excavation which will be used in revetment work and as a filter media behind the revetment wall.

3) Since earth filling is a combination of soil and stone/ boulders , but practically earth/ soil is required to be borrowed from other locations for maintaining the tower benches with earth filling.

4) In exceptional cass, if stone/ boulders not found during cutting and excavation then plinth/ height of retaining walls to be increased for consuming surplus earth

Hence, there will be no surplus earth/ Soil for disposing off at each tower location.

Junior Engineer (C)
O/o DGM & Head Trans Design
HPPTCL Anu, Hamirpur (H.P.)

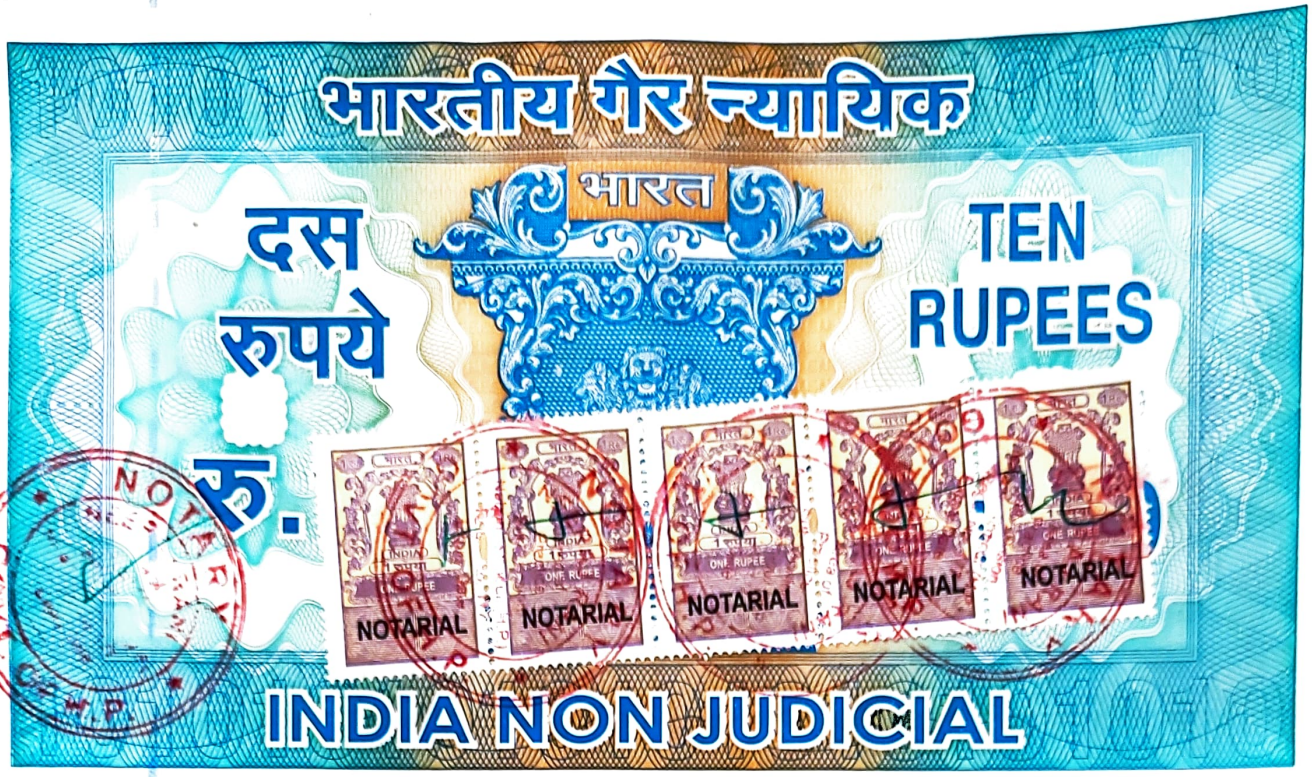
Assistant Engineer
O/o DGM & Head Trans Design
HPPTCL Anu, Hamirpur(H.P)

Sr. Manager
O/o DGM & Head Trans Design
HPPTCL Anu Hamirpur (H.P)

Furthermore, it is worth mentioning that the geological composition of the site mainly consists of a combination of soil and boulders/stones of various sizes. During excavation, the material extracted typically contains 20-40% usable boulders/stones, which are utilized for the revetment work of the towers. The boulders/stones extracted from the excavated soil are reused to as a filter media behind the retaining wall. Consequently, it can be ensured that the estimated surplus earth will be fully utilized within the tower site or at other tower locations wherever necessary.

By considering these factors, we can effectively manage the surplus soil and incorporate it into the construction process, optimizing its usage and eliminating the requirement for external disposal. An undertaking in this effect is enclosed herewith.

Senior Manager (Projects)
PIU Kala-Amb, HPPTCL,
Distt. Sirmaur (HP)



हिमाचल प्रदेश HIMACHAL PRADESH 20AA 825596

UNDERTAKING REGARDING MUCK MANAGEMENT

I, Pradeep Singh, Sr. Manager (Projects) H.P.Power Transmission Corporation Ltd., (HPPTCL), P.I.U. Kala Amb, District Sirmaur,H.P. have applied for the diversion of 17.84 Hectare of Forest Land for construction of 132 kv MCT line on 220 kv Tower from 220/132/33 kv HPPTCL Substation Andheri to T-20/21 of existing 132 kv Jamta-Kala Amb Transmission line at Kala Amb, Distt. Sirmaur,H.P..

I Pradeep Singh Sr.Manager(Projects) PIU Kala Amb, H.P. H.P. Power Transmission Corporation Ltd., do hereby solemnly undertake that :" All the Muck and Boulders/Rock etc, Generated during the erection of the towers for aforementioned transmission line will be utilized in the diversion area for filling purpose and no kuck will be dumpted in the Forest Land.

I Sr. Manger (Project) PIU Kala Amb, H.P. Power Transmission Corporation Ltd., do hereby verify that the contents of this undertaking are true and no part of it is false.

Verified at Nahan,H.P.,on this 27th day of June, 2023.

DEPONENT

This Affidavit on oath has been Presented before me for attestation by the deponent personally today on 27/6/23 the contents of the same have been read over and explained to the deponent which have been admitted correct by the deponent, the deponent has been identified by shri ..... Who is known to me before attested

27/6/2023

Advocate & Notary
Nahan H.P. (India)