

No./Misc/-1435-  
HP Forest Department.

Dated Bharmour the \_\_\_\_\_

From -

D.C.F. Bharmour

To: - C.C.F. (T) Chamba

Subject :-

Diversion of 3.7463 hectares of forest land in favour of Chamba Hydro Ventures, Hotel Alps Resorts, PO and Tehsil Dalhousie, District Chamba HP for the construction of Ghatore Top SHEP (4.98M.W.) within the jurisdiction of Bharmour Forest Division Distt. Chamba HP (Online Proposal No. FP/HP/HYD/155802/2022)

Sir,

In reference to Online Proposal No. FP/HP/HYD/155802/2022 EDSs raised by Nodal Officer-Cum-PCCF (FCA) Letter No. 48-5745/2022(FCA) dated 26.05.2025 on the subject cited above.

In this regard, it is submitted that the observation as raised vide letter under reference have been attended pertaining to User Agency, the necessary point wise reply is furnished as under:-

Sr. No.	OBSERVATIONS	REPLY
1	In response to point No 4 component mentioned in online Part I are not matching with the component wise detail uploaded at Sr. No. 34	In this regard it is submitted that the component wise detail of land in Sr. No. 34 has been rectified with accordance matching to the online Part I against Point No. No. 4 and uploaded on Portal in Additional information detail.
2	The reply to point No. 5, 10 & 11(i) are not in consonance with the observations of GoI. Please submit the reply strictly as per observations. The comments of DFO in response to observation no. 10 & 11(i) are to be provided.	<p>1. Reply to Point No.5 The detail of the commissioned, under construction and proposed HEPs in the catchment area has been uploaded as per consonance with the observations of GoI.</p> <p>2. Reply to Point No. 10</p> <p><b>1) 700 m Tunnel Alignment:</b> The tunnel component of the project, extending approximately 700 meters from the weir site to the desilting chamber and further to the forbay tank, is entirely underground. This portion of the alignment does not involve any surface activity or excavation in forest cover, and therefore does not require felling of any trees.</p> <p><b>2) Linear Nature of the Project:</b> The project falls under the category of a linear project, where diversion of forest land is restricted to the alignment of specific components only. Consequently, the actual number of trees required to be felled is only 57, which is significantly lower than what the DSS analysis may broadly indicate</p> <p><b>3) Transmission Line and Approach Road:</b> Other ancillary components, such as the transmission line corridor and approach road, are aligned through blank patches, degraded forest stretches and non-forest gaps, thereby minimizing the requirement of tree felling. The engineering design has consciously avoided thickly wooded</p>

		<p>areas to reduce ecological impact.</p> <p><b>3. Reply to Point No. 11 (i)</b></p> <p>1. The number of muck dumping sites proposed within the forest area has already been kept to the <b>bare minimum, based on engineering feasibility, slope stability, and safety considerations.</b> Consolidation into a single site is not viable, as it may lead to <b>overloading, slope failure, and higher risk of siltation in streams.</b> Multiple smaller sites allow for <b>scientific containment, phased stabilization, and effective reclamation with different suitable technology.</b></p>
3	<p>The requisite Documents/KML file with reference to point no. 6, 8, 11(ii &amp; iv) are not found uploaded. While the situation of uploaded documents i.e Sr. No., Column. Part etc are to be mentioned in forwarding memo.</p>	<p><b>1. Reply to Point No. 6</b></p> <p>The detailed list of approved/existing/proposed projects in the river basin area has been uploaded with maps and their distance from nearest PA/ESZ. The KML file cannot be uploaded in Part-I on Parivesh Portal by User Agency. So mailed to your kind office Please.</p> <p><b>Reply to Point No. 8</b></p> <p>The detailed and approved evacuation Plan along with Transmission Line detail has been uploaded in Part-I on Parivesh Portal by User Agency.</p> <p><b>2. Reply to Point No. 11 (ii &amp; iv)</b></p> <p>(ii) The complete muck Dumping Plan with their capacity of muck dumping and duly authorised by DFO has been uploaded in Part-I on Parivesh Portal by User Agency.</p> <p>(iv) There are no trees standing in the Dumping sites and certificate of NO TRESS IN DUMPING SITES duly authorized by DFO has been uploaded in Part-I on Parivesh Portal by User Agency.</p>
4	<p>In response to point no. 8 needful stated to have been done, but no such documents found uploaded on portal. While submitting the point wise reply detail of uploaded documents along with its situation i.e Sr. No., column, part etc are to be mentioned in forwarding memo.</p>	<p>In this regard needful precaution has been approached in forwarding memo uploaded in Part-I on Parivesh Portal by User Agency.</p>
5	<p>In response to point No. 14, the documentary proof of proposed CA site be uploaded.</p>	<p>Needful has been done online Parivesh Portal Part-II</p>
6	<p>In response to point no. 15, the district profile regarding progress of compensatory afforestation as on (date) are to be uploaded.</p>	<p>Needful has been done online Parivesh Portal Part-II</p>

D.C.F. Bharmour



# CHAMBA HYDRO VENTURES

HOTEL ALPS RESORTS, PO & TEHSIL DALHOUSIE DISTT. CHAMBA HP- 176304

Mob. No. 9418080340 Email [Id\\_ranjan.upmanyu@gmail.com](mailto:ranjan.upmanyu@gmail.com)

Ref.No:-

CHV/FA/131/25

Dated

14/7/2025

To,  
The Divisional Forest Officer,  
Forest Division Bharmour,  
Distt. Chamba HP

**Subject :-** Diversion of 3.7463 hectares of forest land in favor of Chamba Hydro Ventures, Hotel Alps Resorts, PO and Tehsil Dalhousie, Distt. Chamba HP for the construction of Ghator Top SHEP (4.98MW) within the jurisdiction of Bharmour Forest Division Distt. Chamba HP (Online Proposal No. FP/HP/HYD/155802/2022) and Reply to observations thereof.

**Reference-** Online proposal No. FP/HP/HYD/155802/2022 EDSs raised by Nodal Officer on dated 26-5-2025

Dear Sir,

Kindly find here the reply to the observation raised by Nodal Officer in favour of Ghator Top SHEP 4.98 MW.

Sr. No.	OBSERVATIONS	REPLY
1	In response to point No 4 component mentioned in online Part I are not matching with the component wise detail uploaded at Sr. No. 34	In this regard it is submitted that the component wise detail of land in Sr. No. 34 has been rectified with accordance matching to the online Part I against Point No. No. 4 and uploaded on Portal in Additional information detail.
2	The reply to point No. 5, 10 & 11(i) are not in consonance with the observations of GoI. Please submit the reply strictly as per observations. The comments of DFO in response to observation no. 10 & 11(i) are to be provided.	<ol style="list-style-type: none"><li>1. Reply to Point No.5 The detail of the commissioned, under construction and proposed HEPs in the catchment area has been uploaded as per consonance with the observations of GoI.</li><li>2. Reply to Point No. 10 The matter pertains to DFO office Please.</li><li>3. Reply to Point No. 11 (i) The matter pertains to DFO Office Please.</li></ol>
3	The requisite documents/KML file with reference to point no. 6, 8, 11(ii&iv) are not found uploaded. While the situation of uploaded documents i.e Sr. No., Column. Part etc are to be mentioned in forwarding memo.	<ol style="list-style-type: none"><li>1. Reply to Point No. 6 The detailed list of approved/existing/proposed projects in the river basin area has been uploaded with maps and their distance from nearest PA/ESZ. The KML file cannot be uploaded in the portal So mailed to your kind office Please.</li><li>2. Reply to Point No. 8 The detailed and approved evacuation Plan along with Transmission Line detail has been uploaded on Portal.</li><li>3. Reply to Point No. 11 (ii &amp; iv) (ii) The complete muck Dumping Plan with</li></ol>

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Authorised Signatory



		<p>their capacity of muck dumping and duly authorised by DFO has been uploaded on Portal.</p> <p>(iv) There are no trees standing in the Dumping sites and certificate of NO TRESS IN DUMPING SITES duly authorized by DFO has been uploaded on Portal.</p>
4	<p>In response to point no. 8 needful stated to have been done, but no such documents found uploaded on portal. While submitting the point wise reply detail of uploaded documents along with its situation i.e Sr. No., column, part etc are to be mentioned in forwarding memo.</p>	<p>In this regard needful precaution has been approached in forwarding memo.</p>
5	<p>In response to point No. 14, the documentary proof of proposed CA site be uploaded.</p>	<p>The matter pertains to your kind office Please.</p>
6	<p>In response to point no. 15, the district profile regarding progress of compensatory afforestation as on (date) are to be uploaded.</p>	<p>The matter pertains to your kind office Please.</p>

Date 14/7/25  
Place Bhadra

Chamba Hydro Ventures  
Chamba Hydro Ventures  
Authorized Signatory  
Authorized Signatory



DIVERSION OF 3.7463 HAC. OF FOREST LAND FOR CONSTRUCTION OF GHATOR TOP SMALL HYDRO PROJECT 4.98 MW IN TEHSIL BHARMOUR, DISTRICT CHAMBA (H.P.)  
 FILE NO : FP/HP/HYD/156608/2022  
 DATE OF PROPOSAL : 9/6/2022

**COMPONENT WISE DETAIL OF LAND REQUIRED FOR CONSTRUCTION OF GHATOR TOP SHEP**

Sr. No.	COMPONENTS	Forest area proposed for Diversion (HA)	Non Forest area proposed for Diversion (HA)
1	WEIR SITE	00-05-95	00
2	FEEDAR CHANNEL	00-00-45	00
3	DUMPING SITE -IV	00-08-94	00
4	D-TANK	00-02-97	00
5	HRT x	00-18-54	00
6	SILT FLUSHING	00-00-32	00
7	SHURGE TANK	00-03-97	00
8	PENSTOCK	00-03-97	00
9	POWER HOUSE	00-23-79	00
10	SWITCH YARD	00-05-95	00
11	DUMPING SITE-VI	00-08-94	00
12	ROAD	00-49-26	00
13	TRANSMISSION	01-90-37	00
14	DUMPING SITE -I	00-01-46	00
15	DUMPING SITE-II	00-00-99	00
16	DUMPING SITE -II	00-01-13	00
17	DUMPING SITE -V	00-01-19	00

**TOTAL AREA 3.7463 Hact. 00**

Place: Bharmour  
 Dated:

Chamba Hydro Ventures  
 For Chamba Hydro Ventures  
 Authorised Signatory  
 Authorised Signatory

Countersigned by

Divisional Forest Officer  
 Bharmour Forest Division  
 Bharmour Chamba (H.P.)



# CHAMBA HYDRO VENTURES

HOTEL ALPS RESORTS, PO & TEHSIL DALHOUSIE, DISTT. CHAMBA HP- 176304  
Mob. No. 9418050775, 9418080340 Email Id—[ranjan.upmanyu@gmail.com](mailto:ranjan.upmanyu@gmail.com)

Ref.No.-

Dated -----

## DETAILS OF PROJECTS IN THE CATCHMENT AREA

This is to be certify that following Projects are situated in the catchment of the area of Ghator Top HEP 4.98 MW in Distt. Chamba HP including this proposed Project.

Sr. No.	Project name	River/Stream	Capacity	Location	Status
1.	Ghator Top	Ghator Nala	4.98 MW	Upstream	Under Clearence
2.	Chirchind-II HEP	Ghator Nala	12 MW	Downstream	Under Construction
3.	Ghator -I	Ghator Nala	2.20MW	Downstream	Under Clearence

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Deputy Conservator of Forests  
Bharmour Forest Division  
Bharmour, Chamba (H.P.)






## POWER GENERATION CAPACITY OF THE GHATOR NALLA

THIS IS TO CERTIFY THAT THERE ARE THREE PROJECT ALLOTTED IN THE STREAM/ NALLA WITH THEIR CAPACITY AS GIVEN BELOW :-

SR. NO.	NAME OF THE PROJECT	CAPACITY OF THE PROJECT IN MW	RIVER BASIN	STREAM/ NALLA	ELEVATION IN METERS.	
					WEIR SITE	POWER HOUSE
1	GHATOR -I	2.20 MW	RAVI	GHATOR	1580.00 M	1530.00 M
2	GHATOR TOP	4.98 MW	RAVI	GHATOR	2735.00 M	2080.00 M
3	CHIRCHIND -II	12.00 MW	RAVI	GHATOR	1995.00 M	1540.00 M

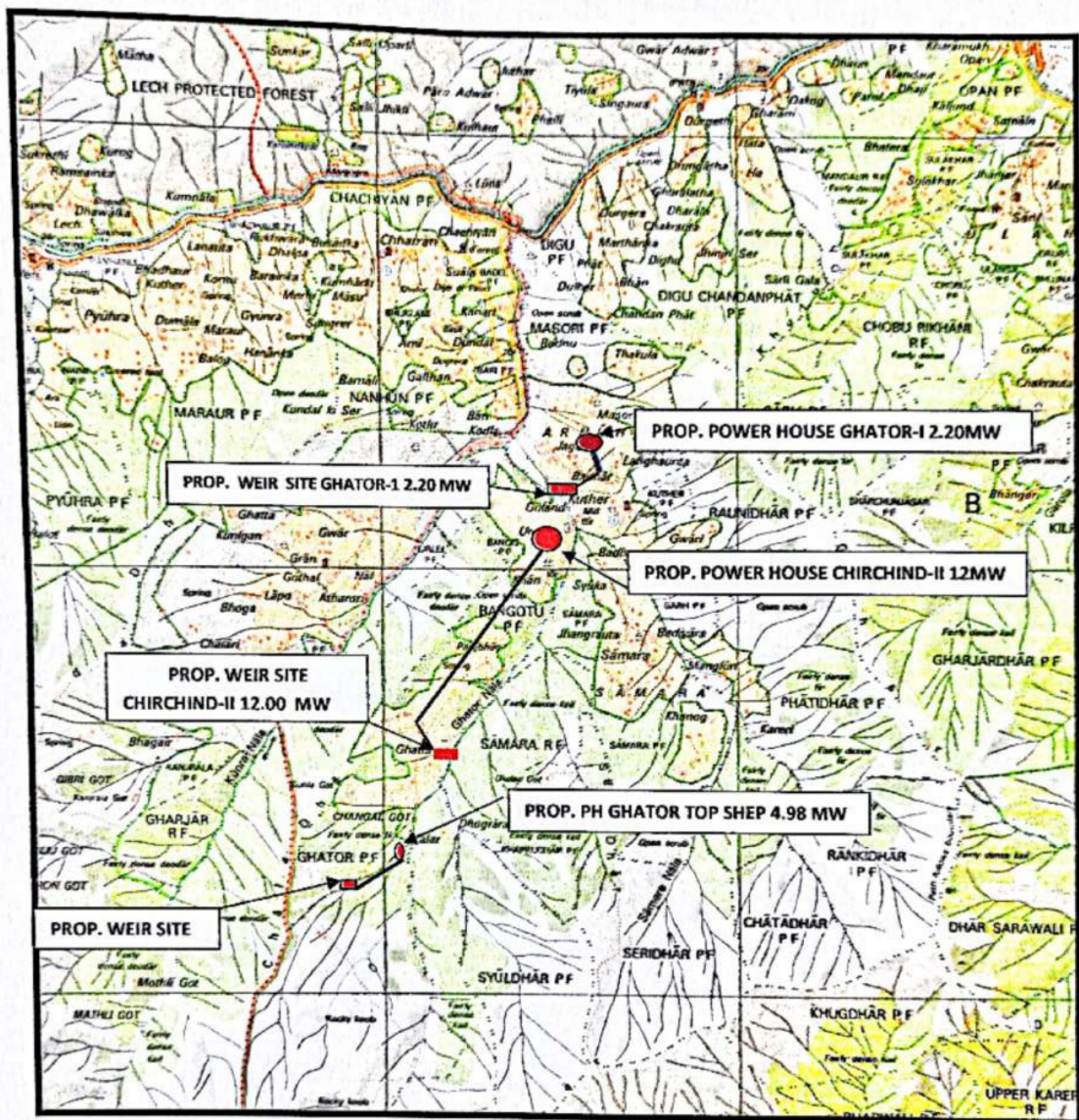
TOTAL CAPACITY OF THE STREAM/NALLA IS 19.18 MW

  
Deputy Conservator of Forests  
Bharmour Forest Division  
Bharmour, Chamba (H.P.)





## POWER GENREATION CAPACITY OF THE GHATOR NALLA

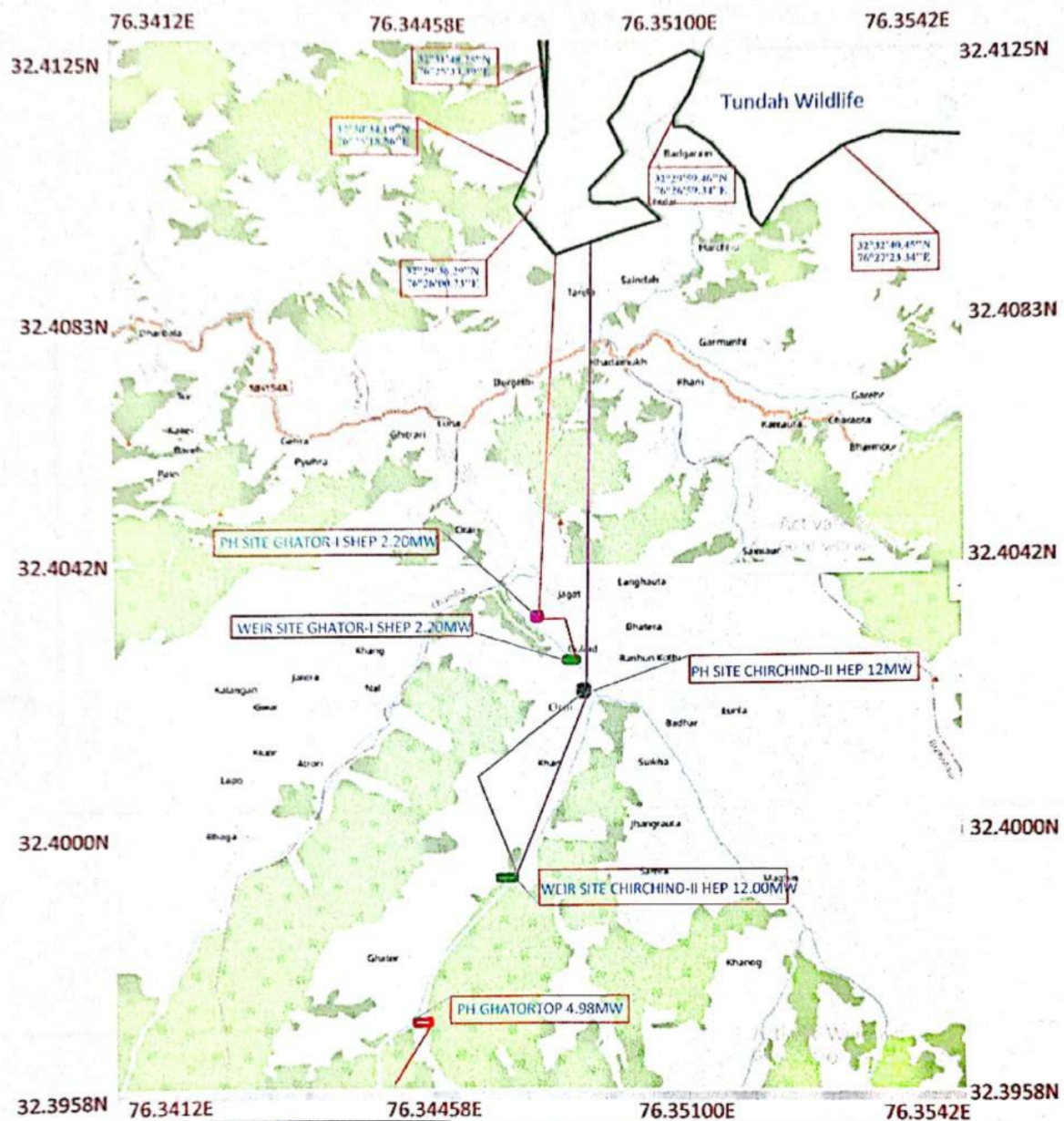


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Deputy Conservator of Forests  
Bhammur Forest Division  
Bhammur, Chamba (H.P.)



# Aerial Distance Map of Commissioned/Proposed HEP's From Nearest WLS & ESZ IN THE Landscape of Ghator Top SHEP (4.98MW)



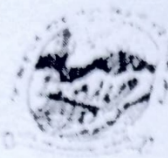
**LEGEND**  
 Ghator Top upstream & downstream Projects  
 PH. GhatorTop shep 4.98 MW  
 PH. & Weir site Chirchind-II HEP 12MW  
 Weir site Ghator-I SHEP 2.20MW  
 PH.site Ghator-I SHEP 2.20MW  
 WLS/ESZ Boundary  
 River/Nalla

**Aerial Distance For Nearest WLS/ESZ**  
 Ghator Top (4.98mw) From Tundah WLS=7.10KM ESZ=6.00KM  
 Chirchind -II(12mw) From Tundah WLS=5.50KM ESZ=4.20KM  
 Ghator -I (2.20mw) From Tundah WLS=3.00KM ESZ=2.00KM

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 Authorised Signatory

Deputy Commissioner of Forests  
 Bharmour Forest Division,  
 Bharmour, Chamba (H.P.)





HIMACHAL PRADESH STATE ELECTRICITY BOARD LIMITED  
GOVERNMENT UNDERTAKING

CIN:

Phone No.:

Website:

U40100HP2009SC1001155

01972656107 (Office), 2651656 (Telefax)

Website: www.hpscb.com Email: cesp.hpscb@gmail.com

NO. HPSEBI/CE(SP)/IPSP/DB-8(Chirchind)(5 MW)/2022-1564-71

Date: 19/1/2022

To, 1. M/s Chamba Hydro Venture (Ghator Top SHEP),  
Hotel ALP, PO & Tehsil Dalhousie,  
Distt. Chamba (HP) - 176304.

2. M/s Shree Hydro Power Pvt Ltd (Samwara SHEP),  
193-A/S, Sainik Colony, Jammu (J&K)- 180013.

3. M/s Gopal PowerPro Pvt Ltd (Siunr SHEP),  
136, Functional Industrial Estate,  
Patparganj, Delhi - 110092.

4. M/s Pitambra Hydro Electric Project, (Channi SHEP)  
Hydro Complex, Lane Opp. Embassy Hotel,  
Dhangu Road, Pathankot (Punjab).

Sub: - Evacuation of power of Hydro Electric plants through 33kV dedicated transmission line of Chirchind SHEP (5 MW) - regarding signing of joint evacuation arrangement with other IPPs.

Ref: - 1. The DoE, GoHP's order No. DOE/CE(Energy)/TEC-Ghator Top/2010-7072-80 dated 05.01.2012.

2. The DoE, GoHP's order No. DOE/CE(Energy)/TEC-Samwara/2011-4904-12 dated 29.08.2011.

3. HPSEBI's order No. HPSEB/CE/CC-Siunr/2004-252-260 dated 12.05.2004.

Sir,

"Jai Hind"

Please find enclosed M/s Chirchind Hydro Power Limited's (owner of Chirchind SHEP 5 MW) letter No. CHPL/HPSEBI/CE(SP)/ 2021-22/118 dated 24.03.2022 wherein the IPP has informed that it has successfully energized the 33kV dedicated transmission line from Chirchind SHEP's power-house site to 400/220/33kV Lahal sub-station. Reference is also invited to the DoE's (Directorate of Energy) orders under reference wherein it has been specified that the power of Ghator Top SHEP (4.98 MW), Samwara SHEP (2.5 MW), Channi SHEP (3 MW) and Siunr SHEP (1.5 MW) is to be evacuated in joint mode with Chirchind SHEP (5 MW) and other IPPs upto 400/220/33kV Lahal sub-station at 33kV level.

In view of above, it is, therefore requested to execute the joint evacuation agreement with M/s Chirchind Hydro Power Limited for finalization of modalities of sharing the dedicated transmission and interconnection facilities as per the TEC accorded to your firms at the earliest please.

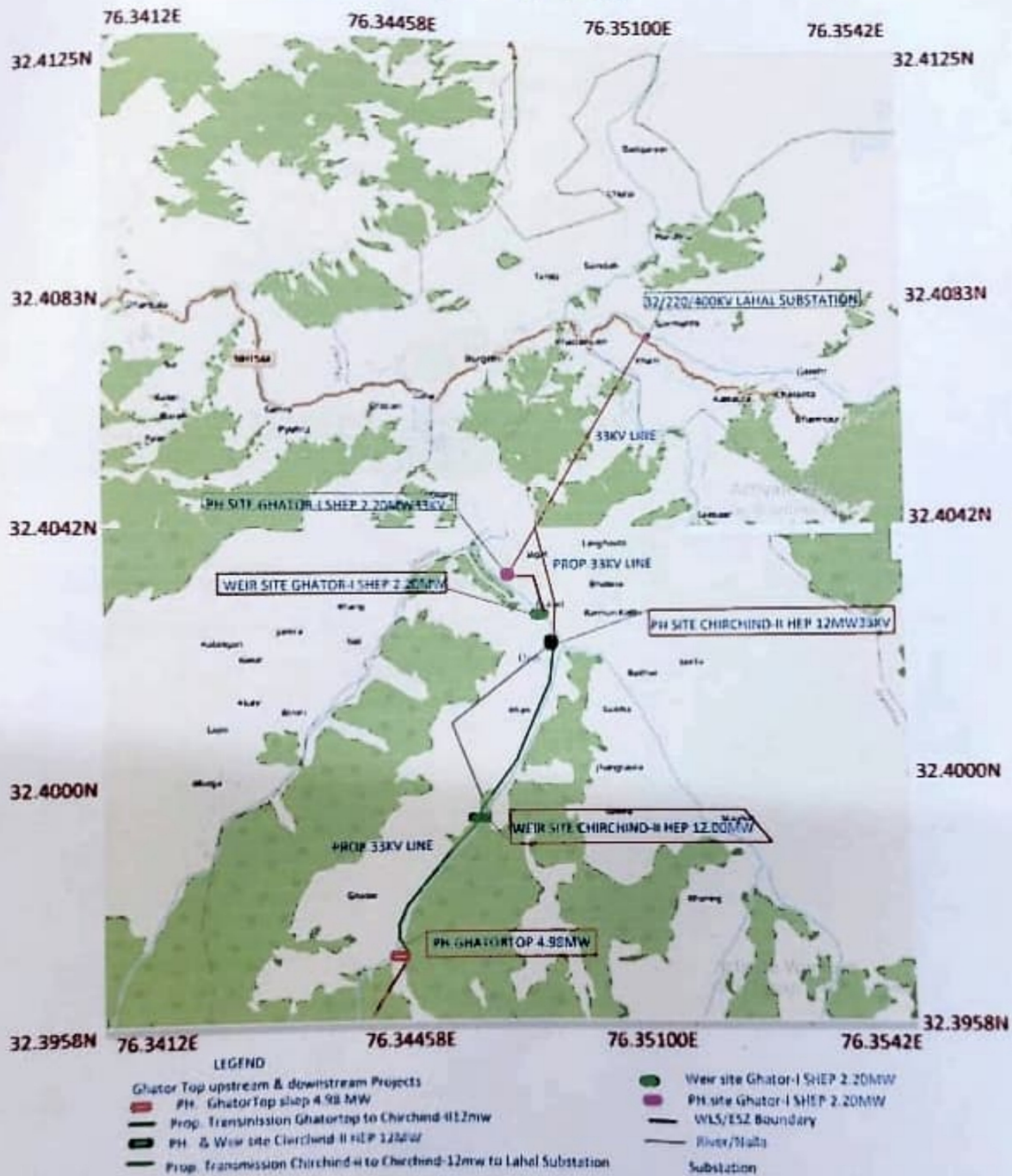
DA: As Above

Yours sincerely,

(Fr. Lukesh Kumar)  
Chief Engineer (SP),  
HPSEBI, Uttam Bhawan,  
Dogra Lodge, Shimla-171004.



**Aerial Distance Map of Commissioned/Proposed HEP's From Nearest Transmission Line Ghator Top SHEP (4.98MW)**



Chamba Hydel Ventures  
Authorized Signatory

Deputy Conservator of Forests  
Bharmour Forest Division,  
Bharmour, Chamba (N.P.)



(16)

DIVERSION OF 3.7463 HA. OF FORESTLAND FOR CONSTRUCTION OF GHATOR TOP  
SMALL HYDRO PROJECT 4.98MW IN TEHSIL BHARMOUR, DISTRICT CHAMBA (H.P.)  
FILE NO. : FP/HP/HYD/156608/2022  
DATE OF PROPOSAL :

ANNEXURE - "E"

**PROFORMA - I (See Note Below Item No. 7)-----+\***

**STATEMENT SHOWING TOWER TO TOWER REQUIREMENT OF DIFFERENT KINDS OF LAND FOR 33 KV  
TRANSMISSION LINE FROM POWER HOUSE TO POOLING STATION IN DISTRICT CHAMBA, HIMACHAL PRADESH**

Sr. No.	Tower no. & its type		Length in (mts) between n 2 & 3 (Total)	Length in		Name of forest land (Strip)	Width of right of way (mts)	Area to be used in		Total area to be used (9 +10)	No. of trees in forest land		Remarks
	From	To		Forest land (mts) (out of 4)	Non forest land (mts) (out of 4)			Forest Land (5 X 8)	Non forest Land (6 X 8)		Enumerat ed	To be felled	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.
1.	Switch Yard	1	70	70	-	Urei DPF	15	1050	-	1050	0	0	Right of way taken as 15 meters includes the breadth of 3.85 m proposed for the construction of road
2.	1	2	93	93	-	Urei DPF	15	1395	-	1395	2	2	
3.	2	3	92	92	-	Urei DPF	15	1380	-	1380	2	2	

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Bharmour Forest Division  
Bharmour, Chamba (H.P.)

118

4.	3	4	95	95	-	Urei DPF	15	1425	-	1425	4	4	Right of way taken as 15 meters includes the breadth of 3.85 m proposed for the construction of road
5.	4	5	92	92	-	Urei DPF	15	1380	-	1380	3	3	
6.	5	6	92	92	-	Urei DPF	15	1380	-	1380	2	2	
7.	6	7	85	85	-	Urei DPF	15	1275	-	1275	5	5	
8.	7	8	95	95	-	Urei DPF	15	1425	-	1425	2	2	
9.	8	9	94	94	-	Urei DPF	15	1410	-	1410	4	4	
10.	9	10	93	93	-	Urei DPF	15	1395	-	1395	2	2	
11.	10	11	90	90	-	Urei DPF	15	1350	-	1350	4	4	
12.	11	12	95	95	-	Urei DPF	15	1425	-	1425	1	1	
13.	12	13	90	90	-	Urei DPF	15	1350	-	1350	2	2	
14.	13	14	92	92	-	Urei DPF	15	1380	-	1380	3	3	
15.	14	Interface Point	3451	3451	-	Urei DPF	1.42 (Underground)	3451	-	4901	-	-	As per revenue scale the area less than 1 Karam can't be taken for acquisition so area for UG transmission line has been taken 1 Karam (1.42m).
Underground Transmission Line upto the interface point at Chirchind –II HEP Kodhla												No felling of trees involved in the laying of Transmission line in forest land	

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Deputy Conservator of Forests  
Bharmour Forest Division  
Bharmour, Chamba (H.P.)



(117)

DIVERSION OF 3.7463 HA. OF FORESTLAND FOR CONSTRUCTION OF GHATOR TOP  
SMALL HYDRO PROJECT 4.98MW IN TEHSIL BHARMOUR, DISTRICT CHAMBA (H.P.)  
FILE NO .. : FP/HP/HYD/156608/2022  
DATE OF PROOSAL :

**ANNEXURE – “C”**

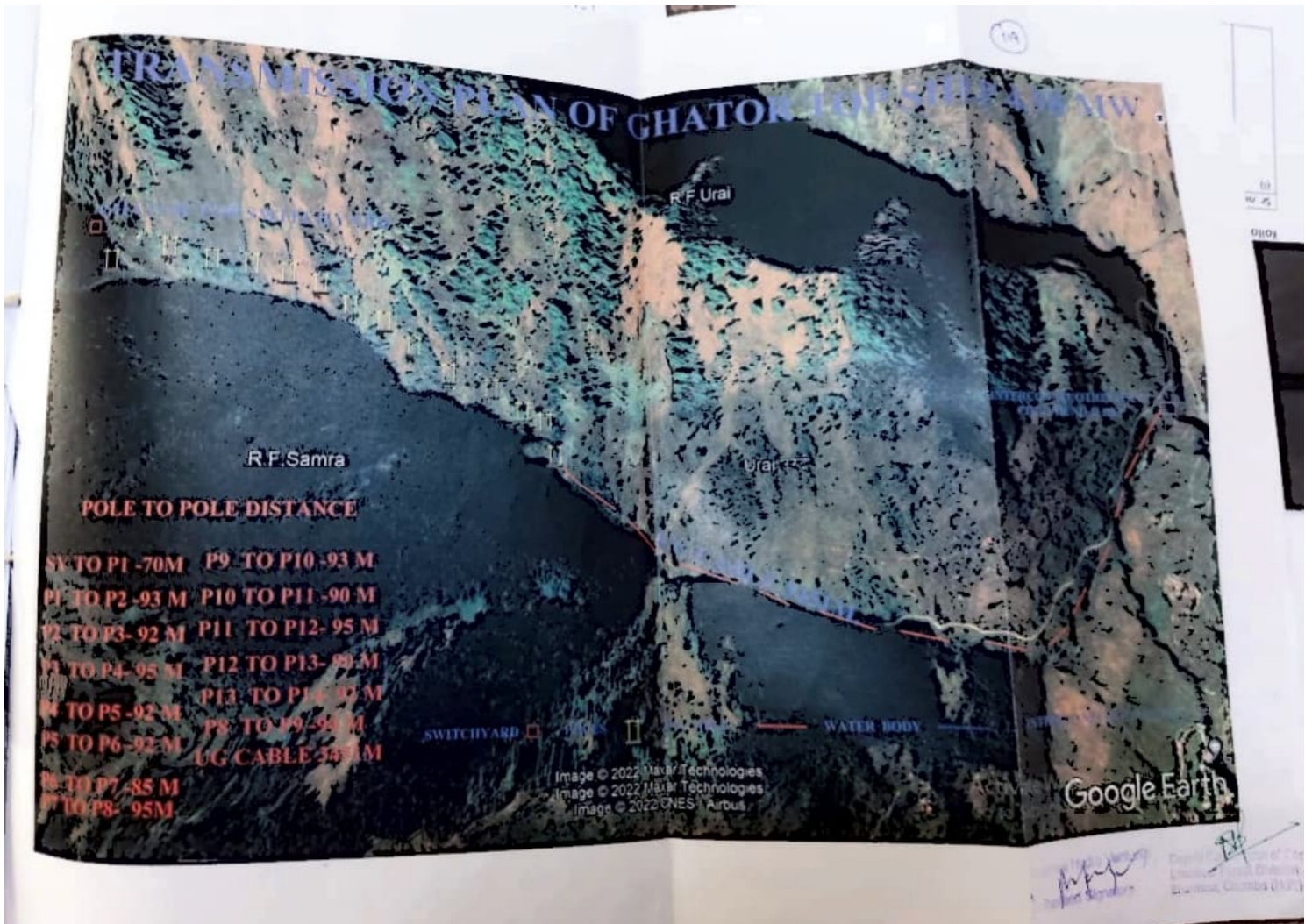
**PROFORMA – IV (Refer item no. 9(I) to (IV))**

**STATEMENT SHOWING DETAILS OF THE ROAD TO BE CONSTRUCTED FROM PWD ROAD NEAR HPPWD ROAD TO GHATOR TOP  
POWER HOUSE IN DISTRICT CHAMBA, HIMACHAL PRADESH**

Sr. No	R.D no.from	R.D no. to	Distance in Meters			Width of right of way (meter s)	Area of the road			Name of village and forest nearby	Muck debris to be produced (Total) '000 M <sup>3</sup> with swollen factor@45%	Muck debris to be used locally '000M <sup>3</sup>	Muck debris to be dumped '000M <sup>3</sup>	Remarks
			In forest land	In non forest land	Total		In forest land (sq.mt) (4 X 7)	In non forest land (sq.mt) (5 X 7)	Total (sq.mt) (4 X 7)					
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
1.	0	100	100	NIL	100	3.85	385	NIL	385	Urei	98*45/100=44 98+44=142	56.8	85.2	40% of muck produced will be used for construction of Gabion wall(Crate), back filling of retaining/Brest walls, producing aggregates and filling up of culvert embankment etc.
2.	100	200	100	NIL	100	3.85	385	NIL	385	Urei	75*45/100=33.75 75+30.75=108.75	43.5	65.25	
3	200	300	100	NIL	100	3.85	385	NIL	385	Urei	71*45/100=31.95 71+31.95=102.95	41.18	61.77	
4	300	400	100	NIL	100	3.85	385	NIL	385	Urei	79*45/100=35.55 79+35.55=114.55	45.82	68.73	
5	400	500	100	NIL	100	3.85	385	NIL	385	Urei	76*45/100=34.2 76+34.2=110.2	44.08	66.12	
6	500	600	100	NIL	100	3.85	385	NIL	385	Urei	75*45/100=33.75 75+33.75=108.75	43.5	65.25	
7	600	700	100	NIL	100	3.85	385	NIL	385	Urei	71*45/100=32 71+32=103	41.2	61.8	
8	700	800	100	NIL	100	3.85	385	NIL	385	Urei	87*45/100=39 87+39=126	50.4	75.6	
9	800	900	100	NIL	100	3.85	385	NIL	385	Urei	78*45/100=35 78+35=113	45.2	67.8	
10	900	1000	100	NIL	100	3.85	385	NIL	385	Urei	76*45/100=34 76+34=110	44	66	
11	1000	1100	100	NIL	100	3.85	385	NIL	385	Urei	83*45/100=37.35 83+37.35=120.35	48.14	72.21	
12	1100	1200	100	NIL	100	3.85	385	NIL	385	Urei	68*45/100=30.6 68+30.6=98.6	39.44	59.16	
13	1200	1279	79	NIL	79	3.85	304	NIL	3.85	Urei	48*45/100=21.6 48+21.6=69.6	27.84	41.76	
Total											571	885.48		

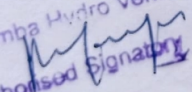
Chamba Hydro Ventures  
Authorized Signatory

Deputy Conservator of Forests  
Bharmour Forest Division  
Bharmour, Chamba (H.P.)





MUCK DUMPING PLAN FOR GHATOR TOP SMALL HYDRO PROJECT 4.98 MW														
Sr. No.	Name of Component From Where Muck is To Be Produced	Actual Size Of Component In sqm.	Total Qty. Of Muck is to be Produced (In cum)	Factor of Increase in volume after excavation (45%)	Total Qty. Of Muck is to be Dumped on The Basis Of Increased Qty (In cum)	Qty. Of Muck TO Be utilised (in cum)	Total Qty. Of Muck Remaining After Utilisation	Nme of Dumping place	Size of Dumping Sites	Area of Dumping place in sqm	Remaining Height of Muck Dumped	Capacity of Muck To be Dumped	Quantity to be Dumped	Remarks
1	Intake/Trench Weir	30*19.83=595	595	595*45/100=267.75	862.75	301.96	560.78	Dumping Site-IV	40*22.35	894	2.4	2145.6	560.78	Out of total Muck Generated About 35% Shall be Used in Construction of Crates, Aggregates, Road R/Walls, B/Walls, Rest Of The Muck including Swell Factor (45%) shall be Dumped in muck Dumping sites IV
2	Feeder Channel	18*2.50=45	45	45*45/100=20.25	65.25	22.83	42.41						42.41	
3	Silt Flushing	16*2=32	30	30*45/100=13.50	43.5	15.22	28.27						28.27	
3	O-tank	26*11.42=297	594	594*45/100=267.30	861.3	301.45	559.84						559.84	
4	HRT INLET	250*2.50=625	1000	1000*45/100=450	1450	507.5	942.5						942.5	
5	HRT OUTLET	491.60*2.50=1229	1966.4	1966.40*45/100=884.88	2851.28	1140.51	1710.76	Dumping Site-VI	40*22.35	894	2.7	2413.8	1710.76	Out of total Muck Generated About 40% Shall be Used in Construction of Crates, Aggregates, Road R/Walls, B/Walls, Filling. Rest Of The Muck including Swell Factor (45%) shall be Dumped in muck Dumping sites VI
6	Surge Tank	20*19.85=397	794	794*45/100=357.30	1151.3	460.52	690.78						690.78	
7	Penstock	1398*2.84=3970	425	425*45/100=191.25	616.25	246.5	369.75	Dumping Site-V	40*29.75	1190	2.5	2975	369.75	Out of total Muck Generated About 40% Shall be Used in Construction of Crates, Aggregates, Protection works i.e R/Walls, B/Walls, Filling. Rest Of The Muck including Swell Factor (45%) shall be Dumped in muck Dumping sites V
8	Power House	60*39.65=2379	2025	2025*45/100=911.25	2936.25	1174.5	1761.75						1761.75	
9	Switch Yard	30*19.83=595	950	950*45/100=427.50	1377.5	551	826.5						826.5	
10	Road	1231.50*4=4926	985	985*45/100=443.25	1428.25	571.3	856.95	Dumping Site-III	11.30*10	113	2.45	276.85	270	Out of total Muck Generated About 40% Shall be Used in Construction of Crates, Aggregates, Protection works i.e R/Walls, B/Walls, Filling. Rest Of The Muck including Swell Factor (45%) shall be Dumped in muck Dumping sites I to III
								Dumping Site-II	11*9	99	2.45	242.55	235	
								Dumping Site-I	14.60*10	146	2.45	357.7	352	
Total			9409.4		13643.63	5293.29	8350.29			3336	2.49	8411.9	8350.29	

Chamba Hydro Ventures  
  
 Authorised Signatory

  
 Deputy Conservator of Forests  
 Bharmour Forest Division  
 Bharmour, Chamba (H.P.)

DIVERSION OF 3.7463 HA. OF FORESTLAND FOR CONSTRUCTION OF GHATOR TOP  
SMALL HYDRO PROJECT 4.98MW IN TEHSIL BHARMOUR, DISTRICT CHAMBA (H.P.)  
FILE NO .. : FP/HP/HYD/156608/2022  
DATE OF PROOSAL :

55

**COST ESTIMATION OF DUMPING SITES & PLANTATION  
GHATOR TOP (4.98MW) SHEP**

SR. NO.	DESCRIPTION	UNIT	QTY.	RATE (IN Rs.)	AMOUNT (Rs.)
1	Cost of Surveying and Investigation	Lumsum	1	25000	25,000
2	Cost of Carrying of muck to the dumping site and properly stacking.	Cum	8350.29	50	5,42,769
3	Earth work for the excavation of Gabion wall i.e trenches of different sizes with proper depth, removal of bushes and stumps, shoring and bracing etc.	Cum	245	450	1,10,250
4	Cost of crate wire of 4mm dia with carriage upto site.	Kg	1563	83	1,32,855
5	Providing RR Massionary and Stone Filled Gabion Wire Crates for protection Work.	Cum	423	750	3,17,250
6	Plantation of 480 plants @ Rs 35/- per plant.	Nos	480	35	16,800
7	Digging of pit for plantation.	Nos	480	55	26,400
8	Cost of Barbed wire Fencing for protection of Plants @ Rs. 145/- per plant with carriage and labour	kg	480	145	69,600
9	Salary for Gardener (1) for 4 years ( 48 Months) @ Rs.8800/- per month .	Months	48	8800	4,22,400
10	2 Nos. Beldar for protection of plantation for 2 years @ Rs.350/- per day.	Year	2	2,55,500	5,11,000
11	Reclamation and restoration.	Lumsum	1	1,50000	1,50,000
12	Landscaping and Beautification.	Lumsum	1	1,60000	1,60,000
13	Carriage of soil from road site	Cum	100	500	50,000
14	Collection of Grass seed	Kg	100	600	60,000
15	Broadcasting of grass seed plants	Nos.	100	400	40,000
				<b>Total</b>	<b>26,34,324</b>

Place : Bharmour  
Dated :

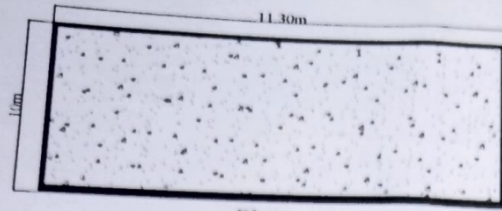
For Chamba Hydro Venture  
Chamba Hydro Ventures  
Authorized Signatory  
Authorized Signatory

Deputy Conservator of Forests  
Bharmour Forest Division  
Bharmour, Chamba (H.P.)

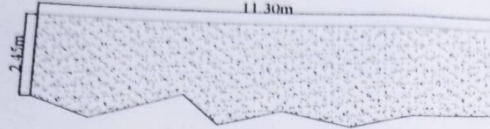




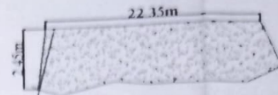
### Dumping Site No.III (Along the Road )



Plan



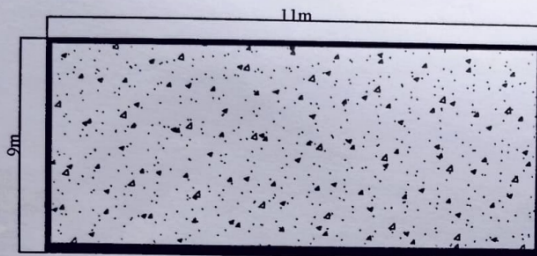
Section at X- X (L-section)



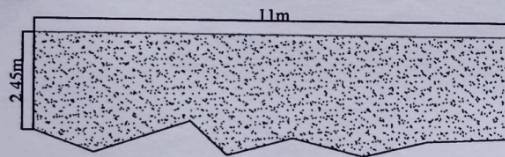
Section at Y- Y (Cross-section)

Area= 11.30mX10m=113Sqm  
Averag height=2.45m  
Capacity of Muk Dumping Site  
113X2.45=276.85 Cum

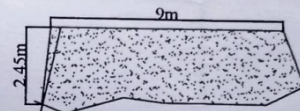
### Dumping Site No.II (Along the Road )



Plan



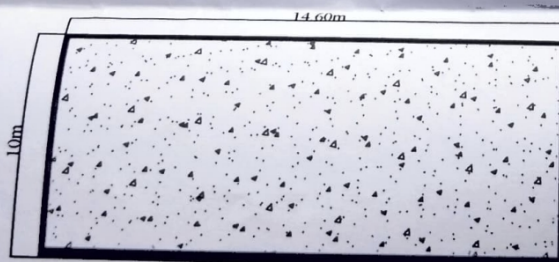
Section at X- X (L-section)



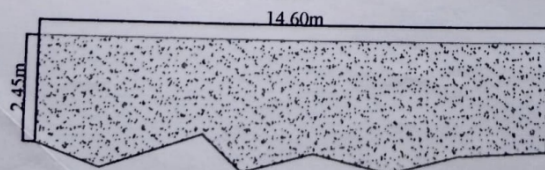
Section at Y- Y (Cross-section)

Area=11mX9m=99Sqm  
Averag height=2.45m  
Capacity of Muk Dumping Site  
99X2.45=242.55 Cum

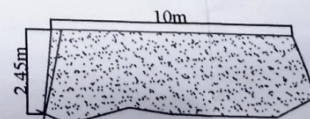
### Dumping Site No.I (Along the Road )



Plan



Section at X- X (L-section)



Section at Y- Y (Cross-section)

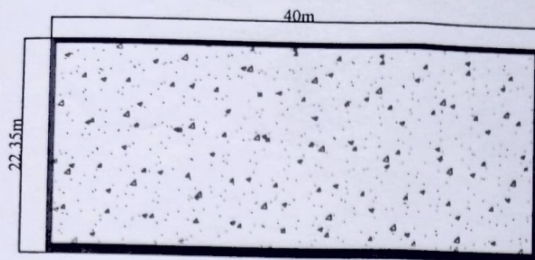
Area=14.60mX10m=146Sqm  
Averag height=2.45m  
Capacity of Muk Dumping Site  
146X2.45=357.70 Cum

Chamba Hydro Ventures  
Authorized Signatory

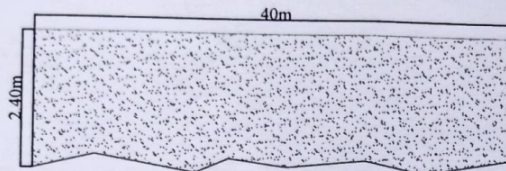
Deputy Conservator of Forests  
Bharmour Forest Division  
Bharmour, Chamba (H.P.)



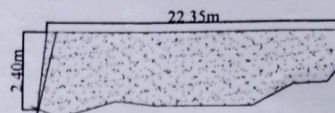
Dumping Site No.IV (Along the Intake/Trench Weir,Feeder Channel,Silt Flushing, D/Tank,and hrt inlet)



Plan



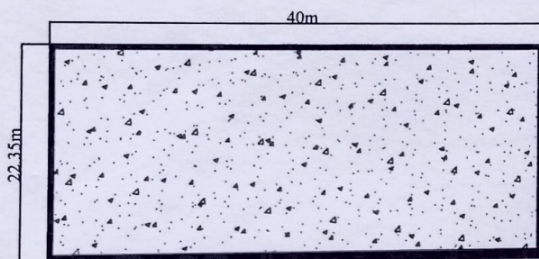
Section at X- X (L-section)



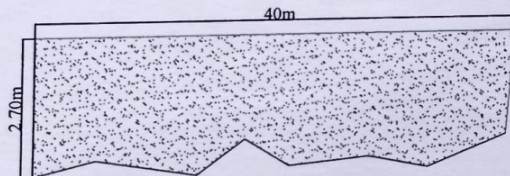
Section at Y- Y (Cross-section)

Area= $40\text{m} \times 22.35\text{m} = 894\text{Sqm}$   
 Averag height= $2.40\text{m}$   
 Capacity of Muk Dumping Site  
 $894 \times 2.40 = 2145.60 \text{ Cum}$

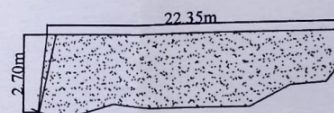
Dumping Site No.VI (Along the hrt outlet,and Shurg Tank)



Plan



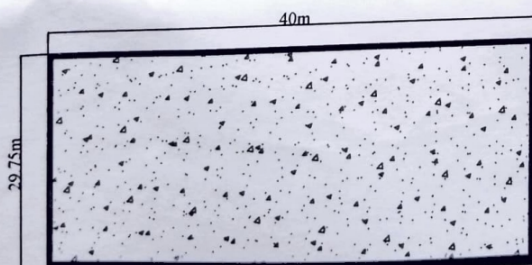
Section at X- X (L-section)



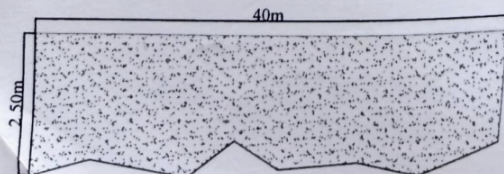
Section at Y- Y (Cross-section)

Area= $40\text{m} \times 22.35\text{m} = 894\text{Sqm}$   
 Averag height= $2.70\text{m}$   
 Capacity of Muk Dumping Site  
 $894 \times 2.70 = 2413.80 \text{ Cum}$

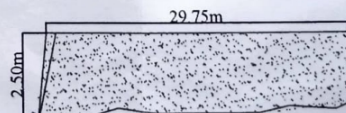
Dumping Site No.V (Along the penstock,Power House, and Switch Yard)



Plan



Section at X- X (L-section)



Section at Y- Y (Cross-section)

Area= $40\text{m} \times 29.75\text{m} = 1190\text{Sqm}$   
 Averag height= $2.50\text{m}$   
 Capacity of Muk Dumping Site  
 $1190 \times 2.50 = 2975 \text{ Cum}$

Deputy Conservator of Forests  
 Bharmour Forest Division  
 Bharmour, Chamba (H.P.)

# CHAMBA HYDRO VENTURES

HOTEL ALPS RESORTS, PO & TEHSIL DALHOUSIE, DISTT. CHAMBA HP- 176304  
Mob. No. 9418080340 Email Id—[ranjan.upmanyu@gmail.com](mailto:ranjan.upmanyu@gmail.com)

Ref.No.-CHV/FIN/292/24

Dated 28/3/24

## UNDERTAKING FOR DUMPING MUCK

I Rajeev Kumar Upmanyu authorised signatory of M/S Chamba Hydro Ventures , hereby undertake the muck generated from the construction of Ghator Top HEP will not be disposed off in the nearby forest,river/stream except in the diversion area for Dumping sites .

Date--- 28/3/24

Place--- Bharmour

For Chamba Hydro Ventures  
Chamba Hydro Ventures  
Authorized Signatory  
Authorized Signatory


Deputy Conservator of Forests  
Bharmour Forest Division  
Bharmour, Chamba (H.P.)





## CERTIFICATE FOR NO TREES ON DUMPING SITES

This is to be certify that there are not any standing trees standing in the proposed Dumping sites for the execution of Ghator Top SHEP being executed by Chamba Hydro ventures , Hotel Alps resorts, Tehsil Dalhousie, Distt. Chamba HP.

  
Divisional Forest Officer  
Forest Division Bharmour  
Bharmour, Chamba (H.P.)  
Bharmour Distt. Chamba