

**DIVERSION OF 0.5684 HA. OF FOREST LAND FOR CONSTRUCTION OF CHANED SMALL HYDRO PROJECT (1 MW) IN DISTRICT CHAMBA (H.P.)**

FILE NO. : **FP/HP/HYD/138838/2021**  
DATE OF PROPOSAL :

FORM - 'A'

Form for seeking prior approval under section 2 of the proposals

by the State Governments and other authorities

PART-I

(To be filled up by user agency)

1. Project details:	
(i) Short narrative of the proposal and project /scheme for which the forest land is required	Chaned Small Hydro Project (1 MW) is a run of the river scheme which has been envisaged to utilize the water of Kohlari Nala at EL 935 m and Power House on left bank of Kohlari Nala at EL 839.5 m near village Bhanota in District Chamba. Water from the Power House shall be released into the Kohlari Nala on its left bank. The project requires 0.6708 ha of total land comprising of 0.5684 ha of forest land and 0.1024 ha of Private Land. The power generated from the Project shall be interfaced at 11 kV Transformer nearby.
(ii) Map showing the required forest land, boundary of adjoining forest on a 1:50,000 scale map.	Layout Plan of the Project is attached herewith - Scale 1: 50000.
(iii) Cost of the project:	Rs. 929 Lacs.
(iv) Justification for locating the project in forest area.	Hydro Power Projects are Site specific schemes. The Project is located in the remote area of district Chamba. Apart from the Non Forest land proposed there is no other viable alternative to avoid forest land so all major components are conceived in forest land.
(v) Cost-benefit analysis (to be enclosed).	Not Applicable as the area is less than 5 Hac.

(vi) Employment likely to be generated.

24500 man days shall be generated from construction of this project and 12 persons shall be retained permanently till the life of the Project.

2. Purpose-wise break-up of the total land required:

Sr. No.	Component	MOHAL	Forest Land	Private Land	Area in ha
1	WEIR SITE	BHANOTA	444	-	0.0444
2	CONVEYANCE CHANNEL	BHANOTA	140	-	0.0140
3	DESILTING TANK	BHANOTA	85	-	0.0085
4	PIPE LINE	BHANOTA	2252	1024	0.3276
5	SPELLWAY	BHANOTA	170	-	0.0170
6	FOREBAY TANK	BHANOTA	65	-	0.0065
7	PENSTOCK	BHANOTA	120	-	0.0120
8	POWER HOUSE & SWITCHYARD	BHANOTA	1068	-	0.1068
9	TAIL RACE	BHANOTA	30	-	0.0030
10	ROAD	BHANOTA	398	-	0.0398
11	ROAD CUM TRANSMISSION	BHANOTA	566	-	0.0566
12	DUMPING SITE - I	BHANOTA	202	-	0.0202
13	DUMPING SITE - II	BHANOTA	064	-	0.0064
14	DUMPING SITE - III	BHANOTA	80	-	0.0080
<b>TOTAL AREA</b>			<b>5684</b>	<b>1024</b>	<b>0.6708</b>

3. Details of displacement of people due to the project, if any:

- Number of families.
- Number of Scheduled Castes/Scheduled Tribe families
- Rehabilitation plan. (to be enclosed)

Nil.

4. Whether clearance under Environment (Protection) Act, 1986 required? (Yes/No).

No.

5. Undertaking to bear the cost of raising and maintenance of compensatory afforestation and / or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zone, etc. as per the scheme prepared by the State Government.

Enclosed at page no.

<p>6. Details of Certificates/documents enclosed as required under the instructions.</p> <p>i) NOC of the Gram Panchayat</p> <p>ii) Details of land requirement.</p> <p>iii) Undertaking in respect of compensatory afforestation.</p> <p>iv) Geo Reference Map</p> <p>v) Revenue Papers.</p>	<p>Attached at Page No.</p> <p>Attached at Page No.</p> <p>Attached at Page No.</p> <p>Attached at Page No.</p> <p>Attached at Page No.</p>
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**For OHP Project Pvt. Ltd.**

*Yuvraj Thukral*  
**Auth. Signatory**  
 Signature

Yuvraj Thukral  
 Authorised Signatory  
 OHP Project Private Limited  
 Village Tadoli, P.O. Saru  
 Tehsil Chamba, District Chamba  
 (H.P.) Pin - 176310  
 Email: [yuvraj028@gmail.com](mailto:yuvraj028@gmail.com)

Date:- \_\_\_\_\_

Place:- Chamba

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DATE OF PROPOSAL :

**CHECK LIST SERIAL NUMBER: - 3**

**DETAIL NOTE ON THE PROJECT**

The forest land is required for the construction of Chaned Small Hydro Project (1 MW) near village Bhanota, Tehsil & District Chamba (H.P). The scheme is proposed on Kolhari Nala tributary of Ravi River. Water from weir shall be diverted through 1092 m long Water Conductor to a surface Forebay Tank and then dropped to a surface Power House through 120 m long penstock. Then the water shall be released into the Kolhari Nala on the left bank near village Bhanota. Power generated from the Project shall be interfaced at the 11 kV Sub Station nearby by constructing 81 m long 11 kV Transmission Line.

The access road of 160 m length shall be constructed upto the proposed Power House. The right of way for Transmission Line has been taken as 7 m. The Transmission Line and Road has been taken as common for 81 m length. The construction of the above project involves 0.6708 ha. of total land comprising of 0.5684 ha of Forest Land and 0.1024 ha of Private Land. There is no Non Forest / Private Land available in the concerned area so most of the civil components of the Project have been proposed in the forest land.

The Project Comprises of the following civil works.

- Intake Structure
- Conveyance Channel
- De-silting Tank
- Water Conductor / Pipe Line
- Forebay Tank
- Spillway
- Penstock
- Powerhouse
- Road
- Road / Transmission Line

With the construction of the above project, economy of the local village Bhanota and surrounding villages shall get a boost and better means of earning livelihood.

Presently, non- renewable sources like Kerosene, Diesel and Forest wood are being used as domestic fuel. Availability of reliable and qualitative electricity shall have positive impact in the living standard of the people of the area.

The people of this area are generally poor and they would get the chance to be part of the project by getting employment during construction period and some persons shall get permanent employment for operation of the Project. The estimated cost of the project is Rs. 929 lakh and

approx. 24500 man days of employment would be generated directly during construction of the project. 12 number of persons will get permanent employment during the life of the project.

The adverse impact of the construction on the environment shall be taken care of. Cut & fill method shall be used for disposal of muck/debris and the rest would be used in filling the embankments of different structures, retaining walls and low lying areas. The dumping sites have been depicted in the enclosed map. No debris would be allowed to roll down the slopes towards the Khad. Trees along the Penstock Slopes, dumping areas and approach roads will be planted. Thus every care shall be taken to minimize the ill effect on the environment.

#### LOCATION OF THE PROJECT :

The Chaned Small Hydro Electric Project is being conceived as a run of the river development on Kolhari Nala, tributaries of Ravi River. The Project is located near village Bhanota, in Gram Panchayat Bhanota, Tehsil Chamba, District. Chamba of Himachal Pradesh. The Nearest broad gauge railway station is Pathankot, which is 70 kms from the powerhouse site.

#### JUSTIFICATION FOR LOCATION THE PROJECT IN FOREST AREA :

Kolhari Nala is a tributary of Ravi river. The total catchment up to proposed diversion sites is 22.5 sq km. The gradient of Khad is very steep in the upper reaches of the khad. Average slope varies from 1:6 to 1:10.

The area of project is surrounded by forest land and apart from the private land proposed there is other Non Forest land, so most of the components have been proposed in forest land. No other viable alternative is available for the project so it has to be as such located in the forest land. Keeping in view of the technical requirements of the Project, alternative involving minimum forest land and trees have been adopted.

#### FINANCIAL AND SOCIAL BENEFITS:

##### Financial :

The project will generate about 6 million units which shall be sold to the HPSEB at Tariff fixed by the HPSERC.

##### Social :

- ❖ Provide reliable power supply to the rural area to stimulate economic activity social welfare among the local population.
- ❖ Save forests, which are being used for meeting rural energy needs
- ❖ Increase Productivity in agriculture, industry and commerce.
- ❖ Create employment during construction and maintenance and thus check migration of the villagers to cities.
- ❖ To reduce the use of fuel wood during winter for heating purposes, thus reducing deforestation.

##### Total Population Benefited:

The population of approx. 2003 persons (As per Census 2011) living in Bhanota village will be directly benefitted with the construction of this Project. However people from other villages surrounding the project area will also be directly / indirectly benefitted with the construction of this Project.

Employment Generated:

Yearly employment during construction by categories ( Approximately)

Year	Professional & Technical	Clerical Services	Skilled workmen	Unskilled workmen
1 <sup>st</sup> Year	4	3	10	50 to 75
2 <sup>nd</sup> Year	6	3	15	75 to 125

Personal to be retained after completion of project would be approximately 10 %, who shall get permanent job till the life of the Project or retirement thereof, whichever is earlier.

Approx. 24500 man-days of employment would be generated directly during the construction of this project.

Project objectives:

- Exploit the power potential as per the policy of the Government.
- Provide employment opportunities to the locals
- Development of the area by adding to the standard of living in village communities.
- Mitigate the power crisis in northern region.

The project would have lot of long term direct and indirect advantages. Hence the project is requested to be considered.

For OHP Project Private Limited

For OHP Project Pvt. Ltd.

*[Handwritten Signature]*

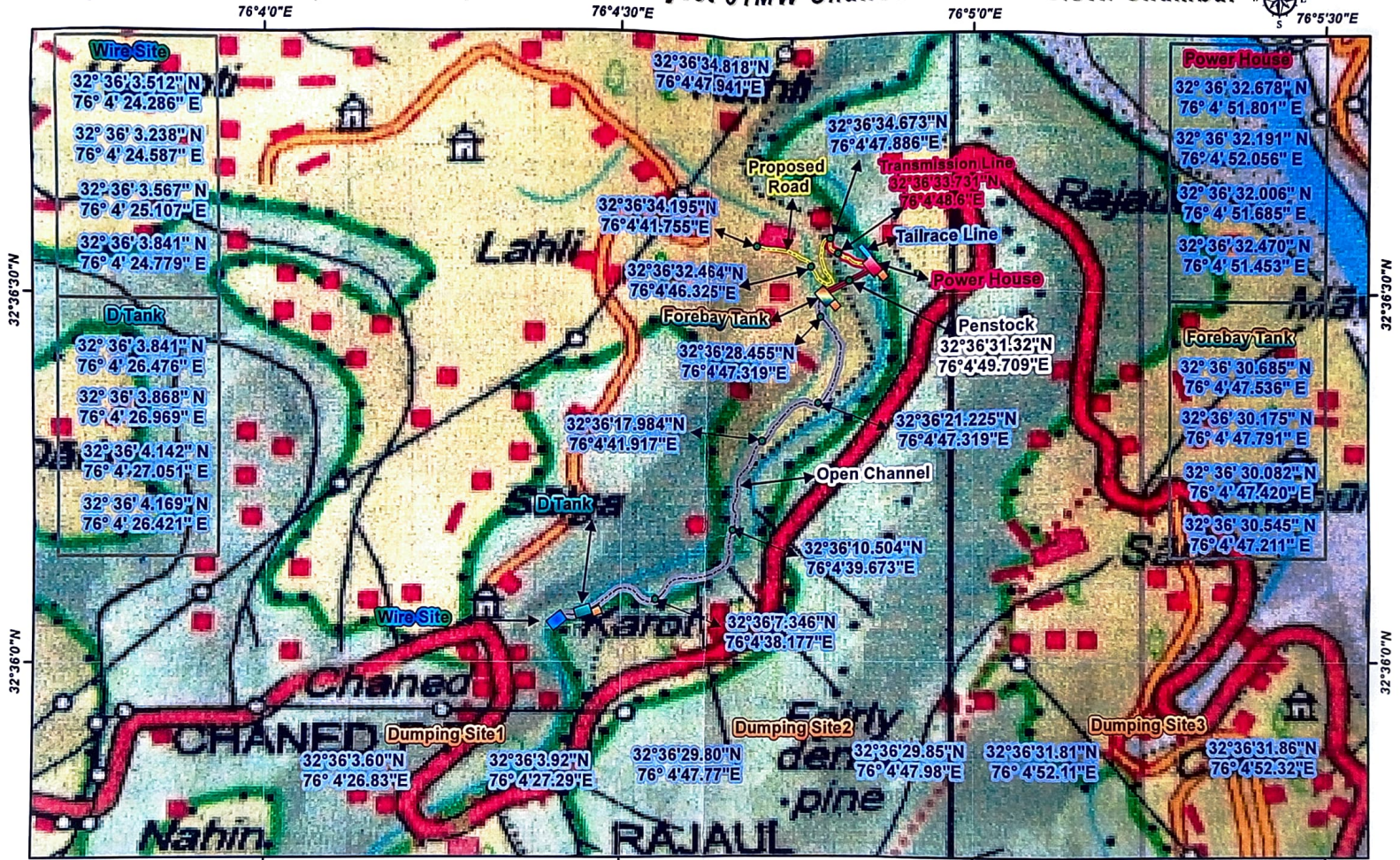
Auth. Signatory

Authorised Signatory

Place : Chamba

Dated :

# Digital Landuse Map for C/O Hydro Power Project 01MW Chaned. Tehsil & Distt. Chamba.



**Legend**

Proposed Road	Open Channel	D Tank	Forebay Tank	Wire Site	Dry River Bed	Open Land	Shrubs
Tailrace Line	Penstock	Dumping Site	Power House	Builtup	Forest	Pond	Water Body
Transmission line							

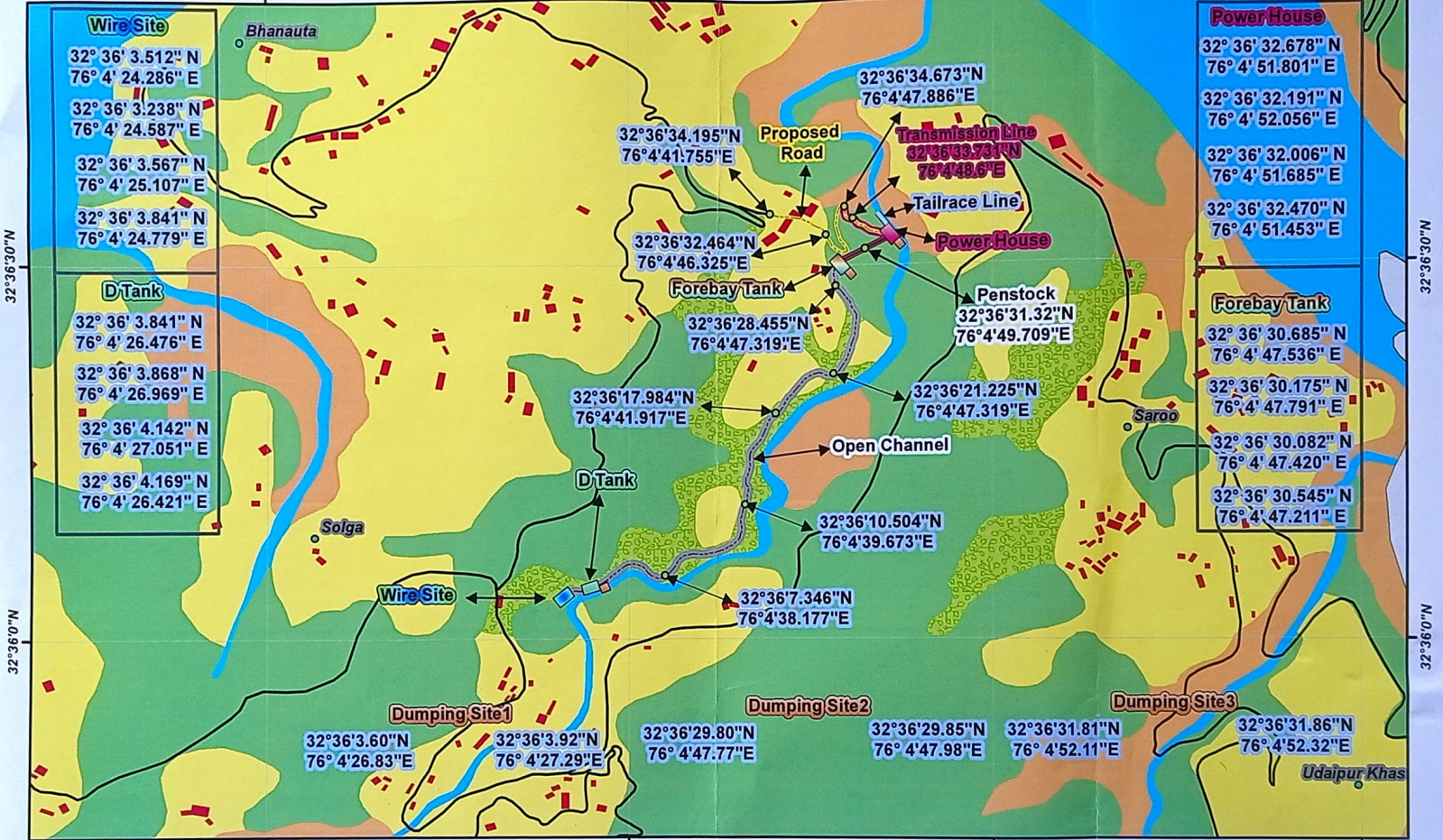
Toposheet No:- I43W2

For OHP Project Pvt. Ltd. Private Person  
Auth. Signatory  
Dalhousie Forest Division  
Dalhousie Pin 176304

# Digital Landuse Map for C/O Hydro Power Project 01MW Chaned. Tehsil & Distt. Chamba.



76°4'0"E      76°4'30"E      76°5'0"E      76°5'30"E



<b>Legend</b>	76°4'0"E	76°4'30"E	76°5'0"E	76°5'30"E
— Existing Road	— Tailrace Line	■ D Tank	■ Power House	■ Dry River Bed
— Proposed Road	— Transmission line	■ Dumping Site	■ Wire Site	■ Private Land
— Open Channel	■ Forebay Tank	■ Bulltup	■ Open Land	■ Water Body
— Penstock				

For OHP Project Pvt. Ltd.  
 Auth. Signatory

*[Signature]*  
 Divisional Forest Officer  
 Dalhousie Forest Division  
 Dalhousie Pin - 176304

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FILE NO. : **FP/HP/HYD/138838/2021**

DATE OF PROPOSAL :

CHECK LIST SERIAL NUMBER - 06

**STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION**

Sr. No.	District	Division	Component	MOHAL	Khasra No.	Area in ha	Classification	Legal Status
1	CHAMBA	DALHOUSIE	WEIR SITE	BHANOTA	938 / 918 / 1	0.0444	Gair Mumkin Khad	UCF
2	CHAMBA	DALHOUSIE	CONVEYANCE CHANNEL	BHANOTA	938 / 918 / 4	0.0016	Gair Mumkin Khad	UCF
3	CHAMBA	DALHOUSIE	CONVEYANCE CHANNEL	BHANOTA	917 / 1	0.0008	Charagah Darakhtan	UPF
4	CHAMBA	DALHOUSIE	CONVEYANCE CHANNEL	BHANOTA	916 / 1	0.0008	Gair Mumkin Kuhl	UCF
5	CHAMBA	DALHOUSIE	CONVEYANCE CHANNEL	BHANOTA	915 / 3	0.0108	Charagah Darakhtan	UPF
6	CHAMBA	DALHOUSIE	DESILTING TANK	BHANOTA	915 / 2	0.0085	Charagah Darakhtan	UPF
7	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	837 / 5	0.0008	Charagah Darakhtan	UPF
8	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	864 / 1	0.0040	Charagah Darakhtan	UPF
9	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	865 / 1	0.0008	Gair Mumkin Rasta	UCF
10	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	891 / 1	0.0210	Charagah Darakhtan	UPF
11	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	899 / 1	0.0295	Charagah Darakhtan	UPF
12	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	835 / 1	0.0016	Gair Mumkin Kuhl	UCF
13	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	902 / 1	0.0008	Gair Mumkin Kuhl	UCF
14	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	910 / 1	0.0550	Gair Mumkin Kuhl	UCF
15	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	915 / 1	0.1117	Charagah Darakhtan	UPF
16	CHAMBA	DALHOUSIE	SPILLWAY	BHANOTA	837 / 8	0.0170	Charagah Darakhtan	UPF
17	CHAMBA	DALHOUSIE	FOREBAY	BHANOTA	837 / 4	0.0065	Charagah Darakhtan	UPF
18	CHAMBA	DALHOUSIE	PENSTOCK	BHANOTA	837 / 2	0.0120	Charagah Darakhtan	UPF
19	CHAMBA	DALHOUSIE	POWER HOUSE & SWITCHYARD	BHANOTA	837 / 1	0.1068	Charagah Darakhtan	UPF
20	CHAMBA	DALHOUSIE	TAIL RACE	BHANOTA	837 / 7	0.0030	Charagah Darakhtan	UPF

21	CHAMBA	DALHOUSIE	ROAD	BHANOTA	1090 / 795 / 1	0.0384	Charagah Darakhtan	UPF
22	CHAMBA	DALHOUSIE	ROAD	BHANOTA	835 / 3	0.0014	Gair Mumkin Kuhl	UCF
23	CHAMBA	DALHOUSIE	ROAD CUM TRANSMISSION LINE	BHANOTA	837 / 11	0.0566	Charagah Darakhtan	UPF
24	CHAMBA	DALHOUSIE	DUMPING SITE - I	BHANOTA	837 / 6	0.0202	Charagah Darakhtan	UPF
25	CHAMBA	DALHOUSIE	DUMPING SITE - II	BHANOTA	837 / 3	0.0064	Charagah Darakhtan	UPF
26	CHAMBA	DALHOUSIE	DUMPING SITE - III	BHANOTA	917 / 3	0.0080	Charagah Darakhtan	UPF
<b>TOTAL AREA</b>						<b>0.5684</b>	<b>ha</b>	

Place : Dalhousie  
Dated :

  
 Divisional Forest Officer  
 Dalhousie Forest Division  
 Dalhousie Forest Division  
 Dalhousie

**DIVERSION OF 0.5684 HA. OF FOREST LAND FOR CONSTRUCTION OF CHANED SMALL HYDRO PROJECT (1 MW) IN DISTRICT CHAMBA (H.P.)**

FILE NO. : **FP/HP/HYD/138838/2021**  
DATE OF PROPOSAL :

CHECK LIST SERIAL NUMBER - 07

**STATEMENT SHOWING DETAILS OF NON-FOREST AREA INVOLVED IN THE PROPOSAL**

Sr. No.	District	Division	Component	MOHAL	Khasra No.	Area in ha	Classification	Legal Status
1	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	1125 / 880 / 1	0.0412	Banjar Kadeem	Private Land
2	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	911 / 1	0.0104	Barani Abbal	Private Land
3	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	901 / 1	0.0192	Barani Abbal	Private Land
4	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	1013 / 892 / 1	0.0192	Barani Doyam	Private Land
5	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	897 / 1	0.0008	Barani Abbal	Private Land
6	CHAMBA	DALHOUSIE	PIPE LINE	BHANOTA	1248 / 842 / 1	0.0116	Barani Abbal	Private Land
<b>TOTAL AREA</b>						<b>0.1024</b>	ha	

For OHP Project Pvt. Ltd.

**For OHP Project Pvt. Ltd.**

**Auth. Signatory**

Authorised Signatory

Place : Chamba

Dated :

Countersigned by :


**Divisional Forest Officer**  
**Dalhousie Forest Division**  
**Dalhousie**

Divisional Forest Officer  
Dalhousie Forest Division  
Dalhousie

**CHECKLIST – 9**

**CERTIFICATE FOR NON-AVAILABILITY OF NON FOREST LAND**

This is certified that no alternative suitable non forest land is available for construction of 1.00 M.W. SHEP at Chaned as per provision of chapter IV Indian Forest Act (XVI of 1927) were made applicable on forest land or waste land in Himachal Pradesh, vide notification No. FT-29-241-BB/49 dated 25-02-1952 which was signed by Secretary Forest Department of Himachal Pradesh.

  
SDM  
Sub Divisional Officer (S)  
Sub Divisional Magistrate  
Chamba Distt. Chamba

  
Deputy Commissioner,  
Chamba Distt. Chamba H.P.

  
Divisional Forest Officer  
Dalhousie Forest Division,  
Dalhousie

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**CHECK LIST SERIAL NUMBER - 9**

**JUSTIFICATION FOR LOCATING THE PROJECT COMPONENTS ON THE FOREST LAND IN THE CONSTRUCTION OF CHANED (1 MW) SMALL HYDRO PROJECT, DISTRICT CHAMBA (H.P.)**

Certified that, location of all the civil components of the Chaned Small Hydro Electric Project (1 MW) including Weir Site on Kolhari nala from where water shall be transmitted to the Surface Forebay tank and Surface Power House on left bank of Kolhari Nala is feasible in the forest land only. Apart from the private land proposed for construction of Pipe Line, there is no other alternative to avoid forest land so all the components of the Project have been proposed in the forest land only. Moreover, the Hydro Power Projects are site specific and the Project area is surrounded with forest land from all sides near village Bhanota, Tehsil & District Chamba (H.P.).

For OHP Project Private Limited

**For OHP Project Pvt. Ltd.**

*X HWK*

**Auth. Signatory**

Authorised Signatory

Place : Chamba

Dated :

Countersigned by :

*Bharya*  
Divisional Forest Officer  
Dalhousie Forest Division  
Dalhousie