Full Title of the Project:- C/O Small Hydro Pow	er Project Dhanwan 1 Mw in District Mandi(HP)
File No	The in District Mandi(HP)
Date of proposal	

UNDERTAKING FOR TEC

- I, Bhup raj, Proprietor of Small Hydel Project Dhanwan 1MW in District Mandi (HP). The detailed Project Report approval is under process.
- I, Bhup Raj hereby undertake to submit the copy of TEC to your office as soon as the same is approved by the Directorate of Energy.

For Dhanwan Hydro Project

Prop.

Full Title of the Project: - Construction of Small Hydel Project Dhanwan 1.0 MW.

File No.: -

Date of proposal:

UNDERTAKING

It is to certify that I/we Bhup Raj (Authorised Signatory) have applied for diversion of 0.5600 hect. of forest land for construction of **Small Hydel Project Dhanwan 1.0 MW** in Distt. Mandi, HP. It is certified that the Implementation Agreement for Hydel Project Dhanwan 1.0 MW Distt. Mandi, HP is under process and I hereby undertake to submit the Implementation Agreement at the earliest.

For Dhanwan Hydro Project

Pron

C/O Small Hydro Power	Project Dhanwan	1	MW
File No			

Village Wise Breakup and Population Benefited

Sr.No.	Name of the Village	Village Code	Down Lat
1.	Dhanwan	007401	Population
2.	Kalgehar	008801	100
			100

For Dhanwan Angelded Power Rrogert

Aftested

For Dhanwan Hydro Project Prop.

Full title of the project:

Diversion of 0.56 ha. of forest land in favour of Bhup Raj, 162/9 Bhojnagar Bazar Bazar Sunder Nagar, Distt. Mandi, HP for the construction of Dhanwan Small HEP (1.00 MW) within the jurisdiction of Joginder Nagar Forest Division, Distt. Mandi HP

Proposal No.:

FP/HP/HYD/39107/2019.

RECLAMATION PLAN FOR MUCK DUMPING

Dumping side in Khasra No. 1314/1295/2,1314/1295/5,1311/572/5,1311/572/6, 1311/572/7 and 1311/572/8 , the muck debris excavated during the c/o Dhanwan SHEP (1.00 MW). After leveling, dumping site will be rehabilitated by planting Broad leave and other suitable site specific species.. The reclamation plan for the dumping sites is prepared as under:

Particulars of works	Aree in ha. for raising of 500 tall plants per ha. with 4 stand RCC Fence Posts	Norms oer ha. wage rate of Rs. 200/z per day	Add 25% increase due to increase in wage rate from 200/- to Rs. 250/- on the norms depicted in Col.3	Year of execution of works	Add 10% escalation in subsequent years	Tentative rates	Total amount	Area planted 0.032 ha.(16 tall plant planted)
a) Initial cost for plantation	(For 5 ha.)- 2500 tall plant	168000 (2016-17)	209998	2021-22	21000	230998	1154990	
b) SC works				US		-	200750	
Total a+b	Marine Service						288750	
Detail of Ma				5			1443740	9240
1 st Year	5 ha.	9500	11875	2022-23	2494	14369	71845	
2 nd Year	5 ha.	4800	6000	2023-24	1986	7986	39930	460
3 rd Year	5 ha.	4800	6000	2024-25	2785	8785		256
4 th Year	5 ha.	2900	3625	2025-26	2213	5838	43925	281
5 th Year	5 ha.	2900	3625	2026-27	2797	6422	29190 32110	187
6 ^{B.} Year	5 ha.	2000	2500	2027-18	2372	4872		206
7 th Year	5 ha.	2000	2500	2028-29	2859	5359	24360 26795	156
8 th Year	5 ha.	2000	2500	2029-30	3395	5895		171
9th year	5 ha.	2000	2500	2030-31	3984	6484	29475	189
10 th Year	5 ha.	2000	2500	2031-32	4633	7133	32420	207
Total mainter	iance					7133	35665	228
Total a+b+c								2,341/-
Add continger	ncies charges	@ 5%						11,581/-
Sub Total								580/-
Add. Departm	ental charge	s of supervisi	on @					12,161/-
17.5%					1	}		2,128/-
G.Total								14,289/-

Muck Dumping Certificate:- It is certified that there is no tree/ shrub growth on the proposed land site. It is also certified that the said area will be development by user agency.

E. Duanwan Hadra Divisional Forest Officer agar Forest Division

Joginder ragar (H.P.)



Muck management Plan for C/O SHP Dhanwan 1 MW

All quantities are in cubic meters.

Sr.	Project	Gross	Swell	Utilize	Dumpe	Detail of	Khasra No.	Capacity	Remarks
No	Component	Estimated qty. of Muck Generated	Factor	d	d	dumping site		Dumping Site	
1.	Weir Site/ D. Tank	644.40	429.60	374	700	1	1314/1295/2	700	
2.	WCS .	1102.80	735.20	1038	855	2	1314/1295/5	855	
3.	Pen Stock Fore Bay	558	372	480	450	3	1311/572/5/1311/57 2/6	450	
4.	Power House Switch Yard	565.20	376.80	462	480	4	1311/572/7/1311/57 2/8	480	
	Total	2870,40	1913.60	2354	2485			2485	

Note:- The total Muck 4784 cubic meter will be generated in the C/O SHP Dhanwan 1 MW out of this 2354 cubic meter muck will be utilized and remaining 2485 cubic meter will be Dumped in six dumping sites in above mentioned Khasra Nos.

Divisionate ast Officer

Joginder Nagar (H.P.)

Pron.

VII

Proposa	I No.:-											
			CH	ECK LIST SERIA	AL NUMBER:-06							
		STATEM	STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION									
Sr. No.	District	Division	Range/Village/Moh al	Khasra No/Survey of Compartment No. or K.M.	Legal Status of Forest Area	Forest Area Proposed for Dicersion (In Bighas)	Remarks					
1	2	3	4,	5	6	7	8					
11	Mandi	Joginder Nagar	Dhanwary473	1317/1297/1	Gair Mumkin Dariya	00-01-04	Weir Site					
2				1314/1295/2	Chargah Villa Drakhtan	00-01-00	Dumping Site					
3				1314/1295/3	Chargah Villa Drakhtan	00-02-02	D. Tank					
4				1314/1295/1	Chargah Villa Drakhtan	02-11-10.	wcs					
5				1312/1295/1	Gair Mumkin Sadak	00-01-05	wcs					
6				1313/1295/1	Chargah Villa Drakhtan	00-00-02	WCS					
7				1314/1295/5	Chargah Villa Drakhtan	00-03-17	Dumping Site					
8	- Indianawaya			1311/572/1	Charagah Drakhtan	00-05-14	Penstock					
9				1311/572/4	Charagah Drakhtan	00-02-00	Forebey Tank					
10				1311/572/5	Charagah Drakhtan	00-00-04	Dumping Site					
11				1311/572/6	Charagah Drakhtan	00-00-04	Dumping Site					
12				1311/572/7	Charagah Drakhtan	00-00-06	Dumping Site					
13			•	1311/572/8	Charagah Drakhtan	00-00-06	Dumping Site					
14				1311/572/9	Charagah Drakhtan	00-02-04	Power House					
15				575/1	Gair Mumkin Dariya	00-02-05	Prastavit Rasta					
16				575/2	Gair Mumkin Dariya	00-00-12	Switchyard					
17				1314/1295/6	Charagah Villa Drakhtan	00-14-05	T/L Line					
18				1314/1295/7	Charagah Villa Drakhtan	00-00-10	T/L Line					
19			: [1293/1	Charagah Villa Drakhtan	00-04-05	T/L Line					

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Divisional Forest Officer Joginder Nagar Forest Division Joginder Nagar (H.P.) For Dhanwan Hyaro Project

		T		00-00-10	T/L Line
20		1293/2	Charagah Villa Drakhtan	01-00-00	T/L Line
21		1293/3	Charagah Villa Drakhtan		T/L Line
22		1293/4	Charagah Villa Drakhtan	00-00-10	T/L Line
23		1293/5	Charagah Villa Drakhtan	01-00-00	
			Total	06-14-15.	
		901/1	Charagah Villa Drakhtan	00-02-14	T/L Line
24	Kalgehar		Charagah Villa Drakhtan	00-00-10	T/L Line
25		866/1	Charagah Villa Drakhtan	00-00-10	T/L Line
26		736/1	Charagan Villa Drakisali		
			Total	00-03-14.	
		TOTAL RAKBA IN	TOTAL RAKBA IN	06-18-09.	
			BIGHAS		
			TOTAL IN HECTARE	0.56	

For SHP Dhanwan 1.0 MW

Auth. Signatory.

Divisional Forest Pofficer

Joginder Nagar Division

(H.P.)

For Dhanwan Hydro Project

Prop.

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tive Div DI

HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT

Annexure VIII 1091-92 Dated: 4-5-19

No. PW/MDI-I/WA/250 NOC/2019

To

▶Sh. Bhup Raj, Village- Shandra, P.O. Jhungi Tehsii Nihri, Distt. Mandi (HP) 175031.

Subject:

NOC for SHP Dhariwan 1 MW.

Reference: -

Your office letter No. SHPD/081/19 dated 09.03.2019.

With reference to your letter under reference, No objection certificate for the construction of SHP Dhanwan 1 MW on Kangehar/Uhl river, Distt. Mandi (HP), is hereby issued on following terms and conditions:-

- 1. The Affidavit given by you on dated 08.04.2019 will be part and parcel of this NOC. You are requested to enter into agreement with the undersigned within 15 days after issue of NOC.
- 2. The Chief Engineer (MZ) HPPWD Mandi shall be the sole adjudicator for any dispute arising during construction as well as after construction and his decision shall be binding on both the parties.
- 3. All the proposed structures should be constructed 5.00 meter away from the acquired land
- 4. The Firm/Company will not cause any type of damage to road as well as road size infrastructures i.e. retaining wall/breast wall, parapets, crash barrier, cross drainage works Metalling and tarring and bridge etc. In case any damage is occurred during and after construction, Company/Firm will reimburse full cost of re- construction as per PWD estimate.
- 5. Traffic hindrance is not caused during construction activities. ,
- 6. Stacking of any kind of construction material will not be allowed on berms/road side.
- 7. No debris should be thrown on the PWD Land/Road. The retaining structures for dumping sites located on hill side of road should be well designed.
- 8. No water/sewerage shall /should be discharged into the PWD road.
- 9. While taking out approach road for project, separate NOC be obtained.
- 10. The penstock/powerline should not pass through the acquired as well as through control width. If the penstock/power line crosses the road separate permission is to be taken from this department as well as from the competent authority for closure of road. Proper designed structures are to be constructed where penstock/power line crosses the road.
- 11. While carrying out construction work demarcation has to be taken in presence of the junior Engineer and demarcation report he submitted to this office.



Any violation of any of the condition mentioned above will result into auto cancellation of NOC.

Mandi Division No.1. HPPWOMandi

Copy to the Assistant Engineer, Jhatingri Sub-Division HPPWD Jhatingri for information and necessary action w.r.t his office letter No.32 Dated 16.04..2019.

Executive Engineer, Mandi Division No 1. HPPWD Mandi

For Dhanwan Hydro Project

For Dhanwan Hydro Project

AnnyseureTX



AL PRADESH STATE ELECTRICITY BOARD LTD

(A State Government Undertaking)
Registered Office
Corporate Identity No.(CIN)
GST No.
Telephone No.
Email Address
Website Address
Website Address

(A State Government Undertaking)
Vidyut Bhawan, Kumar House, Shimia-171004
U40109HP2009SGC031255
U40109HP2009SGC031255
(U40109HP2009SGC031255)
(U77-2803600, 2801675(Office), 2658984(Fax))

NO. HPSEBL/OCM/DB-26/2021-22-

10268-69

27-1-22 Dated:-

The Chief Engineer (OP), Central Zone HPSEBL, Mandi.

Subject:-

Evacuation arrangement for Dhanwan (1.00 MW) TEC thereof.

Reference:-

Sr. Executive Engineer, Jogindernagar letter No. HPSEBL/JED/DB-4(Project)/2021

22-7361 dated 27/1/2022.

Sir.

Jai Hind

With reference to above, it is intimated that the proposal put in for Dhanwan (1.00 MW) TEC thereof on 11 KV Sudhar feeder has been examined by AE, ESD, HPSEBL, Barot under this office feasible. The Power of the proposed SEHP should be evacuated on 11KV Sudhar Feeder subject to the following terms & conditions:-

The IPP shall have to construct 11KV HT (2.960 Km) line from tapping near Village 1. Bhatchar to their power house site.

No deemed generation shall be claimed by the IPP in case of break down on 11KV or 2.

33/11KV sub-station.

HPSEBL shall have the right to avail shut down on the sub-station or on the feeder as 3. & when required to maintain the system.

Proposed 11KV feeder shall be maintained by the IPP to the suitability of HPSEBL. 4.

Metering arrangement at interfacing point shall be at the cost of the IPP. 5.

Modalities for sharing of losses in "off Peak load hours" between interfacing point and 6. 33/11KV sub-station shall have to be devised between HPSEBL and IPP.

Arrangement at Sr. No. 1 & 5 above shall be made before synchronizing the project with the HPSEBL system. Further, single line diagram is also enclosed herewith for your information and ready reference please.

DA:- As above.

Yours faithfully,

Superintending Engineer, (QP)Circle, HPSEBL, Mandi.

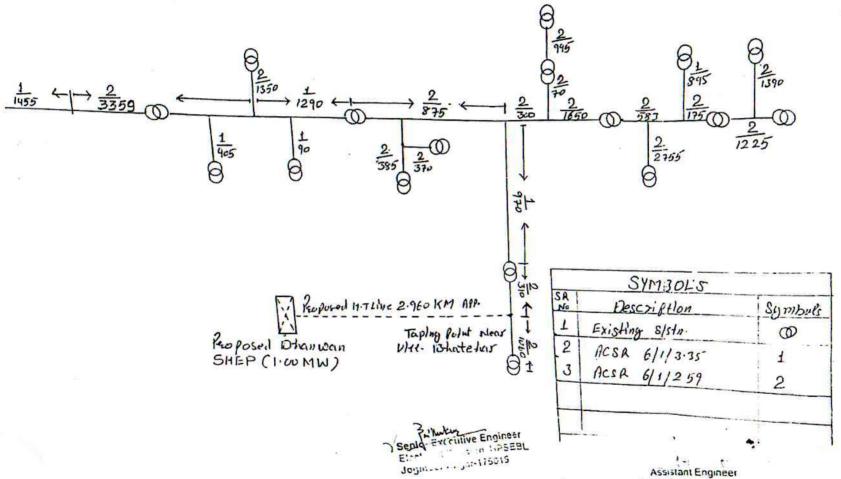
Copy to the Sr. Executive Engineer, Electrical Division HPSEBL, Joginder Nagar with reference to his office letter No. HPSEBL/JED/DB-4/2021-22-7361 dated 27.01.2022 for information.

> Superintending Engineer, (OP)Circle, HPSEBL, Mandi.

For Dhanwan Hydro Project prop.

24 Diagram for 11 KV Feedar Sudhers in Electrical Section Sudhers UESD, HESEBL 13 coot.

100



Assistant Engineer
J Elect, Sub Division
HPSEBL Barot

For Dhanwan Hydro Project

Total Land Transmission Line 0.260 Hec Muhal Dhanwan /473 Muhal Kalgehar/489

Khasra No.	Area(L*W)	Width Mtr	Area in Bigha
1314/1295/6	57*5	7MTR	00-14-05
1314/1295/7	2*5	Pole	00-14-03
1293/1	19*5(Approxi)	7 Mtr	00-04-05
1293/2	2*5	Pole	00-00-10
1293/3	80*5	7Mtr	01-00-00
1293/4	2*5	Pole	00-00-10
1293/5	76*5	7Mtr	01-00-00
901/1	12*5(Approxi)	7Mtr	00-02-14
866/1	5*2	Pole	00-00-10
736/1	5*2	Pole	00-00-10
		-	03-03-14
575/2 Switch Yard			00-00-12
		Total Land	03-04-06
*	Tota	al Land	0.260 Hectars

Transmission Line in cable overhead not is conductor

For Dhanwan Hydro Project
Prop.

Full title of Project: Diversion of 0.56 ha of Forest Land in favour of Bhup Raj, 162/9 Bhojnagar Bajar, Sunder Nagar, for the construction of Dhanwan Small, HEP (1.00 MW), with in the jurisdiction of Joginder Nagar Forest Division, Distt. Mandi, HP.

File No.

FP/HP/HYD/39107/2019

CALCULATION OF NET PRESENT VALUE

Classification of land being diverted into various ECO CLASSES as per Hon, ble Supreme Court direction.

Nature of Forests		Area to be diverted	Class		value class						
		-	0.56	Sub		V					
Unclassified f		Lav			IIA	IIB	IA	IB	IC	Total	Area
Class of trees	Sapling		V IV								being diverted in Hac.
	- W		0	0	0	0	0	0	0	0	0.56
No. of trees	0 🦠	0	10	10			-	W- 11 -		0	
Total trees be		The state of the s			-					0	
Total trees o	f III and abo	ve class	5	111 d	alacs into	o one ma	ature c	lass		0	
Total mature	trees after	conser	vation of belo	Willra	Class mile	o one me	ature c			0	
Per hectare	density of tr	ees in t	he land to be	diverte	20					0%	
Density perc	entage tree:	s per h	ectare				-		_	Open	
Density class					-		_	-		Open	
						I NIDVI E	to ann	licable	2	NPV A	mount
Area (in hea		Eco C	lass Dei	nsity Cl	isity class		11/10/20 12/191				
0.56		٧	Ор	en					2,917.60/- o 5,62,918/-		

Place: Joginder Nagar Date: 95/03/2020 Division Areast Officer, Jogi Fores No Baston, Joginder Nagar, Joginder Nagar (H.P.) Full Title of the project: Diversion of 0.56 ha of Forest Land in favour of Bhup Raj, 162/9 Bhojnagar Bajar, Sunder Nagar, for the construction of Dhanwan Small, HEP (1.00 MW), with in the jurisdiction of Joginder Nagar Forest Division, Distt. Mandi, HP.

File No.:

FP/HP/HYD/39107/2019.

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation 1120 trees to be carried out in lieu of 0.56 ha. of forest area to be diverted in favour of Bhup Raj, 162/9 Bhojnagar Bajar, Sunder Nagar, for the construction of Dhanwan Small, HEP (1.00 MW), with in the jurisdiction of Joginder Nagar Forest Division, Distt. Mandi, HP.

Details of degraded forest land /non-forest land.

District: Mandi

Village: DPF Dibkan

Tehsil: Padhar

Name of Forest Division: Joginder Nagar.

Range: Urla

Block/ Compartment/ Survey No. 53A/13

Plants to be planted: : 1120 No.

- 4. Description of the Area.
 - vi) Whether the site selected for Compensatory Afforestation is a land bank or not: Yes
 - vii) If the CA site is other than the land bank, reasons be given. No
 - viii) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: NA
 - ix) Soil type- Sandy Loam
 - x) Topography:
 - (a) Hilly/ Undulating/ Plain Hilly

Modium

- (b) Slope Steep/ Medium/Gentle Medium
- vii) Whether the area is bearing any root stock of vegetation. Bushes
- 3. Plantation Model Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up to be enclosed.

Divisional Forest Officer
Joginder Nac Division
Joginder N

Entel-Pla

Schedule of plantation Programme:-4.

Details of year-wise break up of requirements of funds is as under:

S.N	Particulars of Works	Approved Rate 500 Tall Plants /ha. with RCC fence posts as per Pr.CCF (HoFF) HP Shimla,s memo No. Ft.1790-/71 (D) 2011-12 Vol-IX (Norms) dated 26-04-2021	Total amount for 1120 Plants
A	Survey, Demarcation , Fencing & planting	92 ,700/-	2,07,648/-
В	Cost of tall plant	67/- per plant	75,040/-
C	Maintenance Ist Year	4,390/-	9,834/-
<u> </u>	2 nd Year	2,420/-	5,421/-
-	3 rd Year	1,120/-	2,509/-
-	4 th Year	1,120/-	2,509/-
-	5 th Year	1,120/-	2,509/-
	6 th Year	1,120/-	2,509/-
-	7 th Year	1,120/-	2,509/-
	8 th Year	1,120/-	2,509/-
	9 th Year	1,120/-	2,509/-
	10 th Year	1,120/-	2,509/-
-	Total- C		35,327/-
D	Total- A+B+C		3,18,075/-
E	Contingency @ 5% of all above		15,901/-
	Total		3,33,976/-
F	Department charges @ 17.5%		58,446/-
	G 17.070	Grant Total	3,92,422/

Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General details:- Plantation will be done through Pit method as per plantation norms.
- Spacement:- Pits of size 60 x 60 x 60 cm will used for planting of 100% P/Bag ii)
- Species:- Based on locality/ site factors, local demand of people and will be iii) mostly -Ban(Quercus ieucotrichopholia) Shisham (Dalbergi sisoo) Daru (Punnica granatum) Ambla (Emblica officinalis)
- Plantation Method:- Pit planting method. iv)
- Protection (Fencing Watchman, People's participation etc);- B/wire fencing using v) concrete same posts.

Proposed monitoring Mechanism:- By higher authority, Monitoring and vi) Evaluation and divisional level.

Divisional Forests Officer, Division, Joginder Nagar. Joginder Magar Forest Division

Jogindar Nagar (H.P.)

Full Title of the project: Diversion of 0.56 hect. forest land in favour of Bhup
Raj, 162/9, Bhojnagar Bazar, Sunder Nagar, Distt.
Mandi, HP for the c/o Dhanwan Small HEP (1.00
MW), within the jurisdiction of Joginder Nagar
and Mandi Forest Division, Distt. Mandi, HP

File No.

FP/HP/HYD/39107/2019...

Location Map

Location Map of Non-Forest/Degraded Forest Area identified for Compensatory Afforestation in lieu of the proposal for diversion of 0.56 hect. forest land in favour of Bhup Raj, 162/9, Bhojnagar Bazar, Sunder Nagar, Distt. Mandi, HP for the c/o Dhanwan Small HEP (1.00 MW), within the jurisdiction of Joginder Nagar and Mandi Forest Division, Distt. Mandi, HP

Village: DPF Dibkan.

Tehsil:Padhar

District: Mandi

Forest Division: Joginder Nagar.

Forest Range: Urla.

Block NO./Compartment No./Survey No.53A/13.

Area: 1120 plants. 2.50 hect.

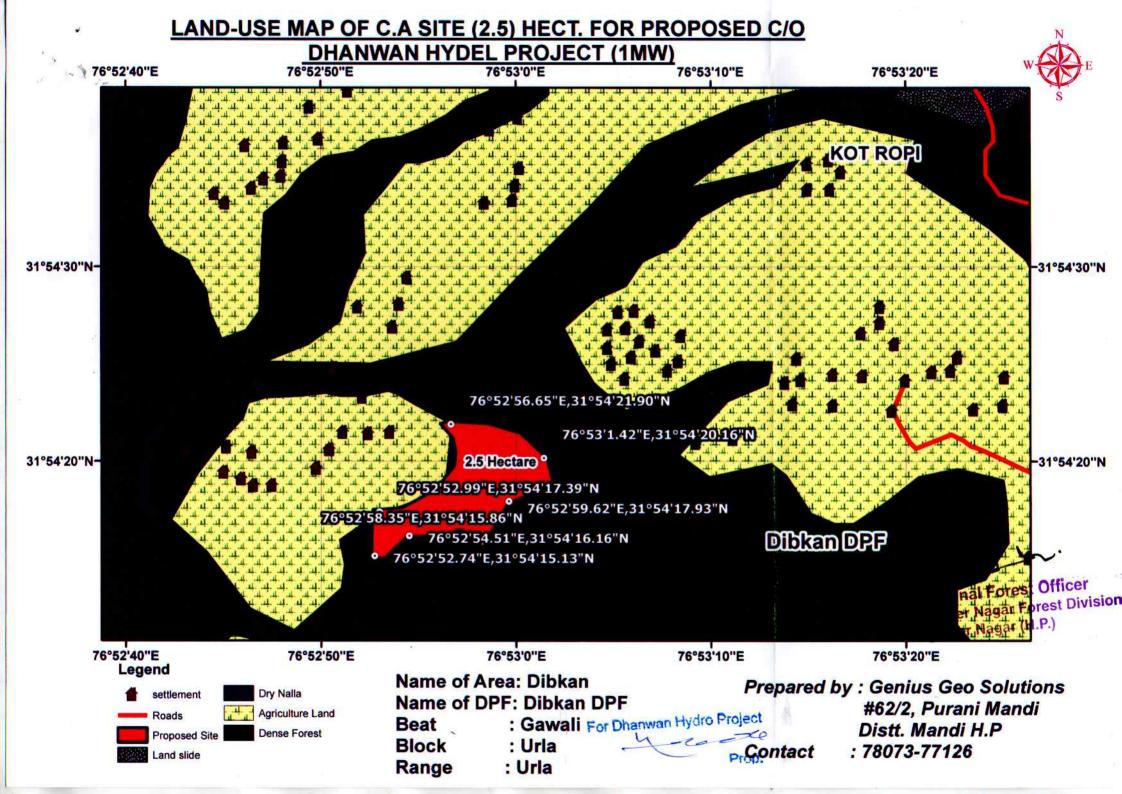
Map attached of the area to be taken for Compensatory Afforestation

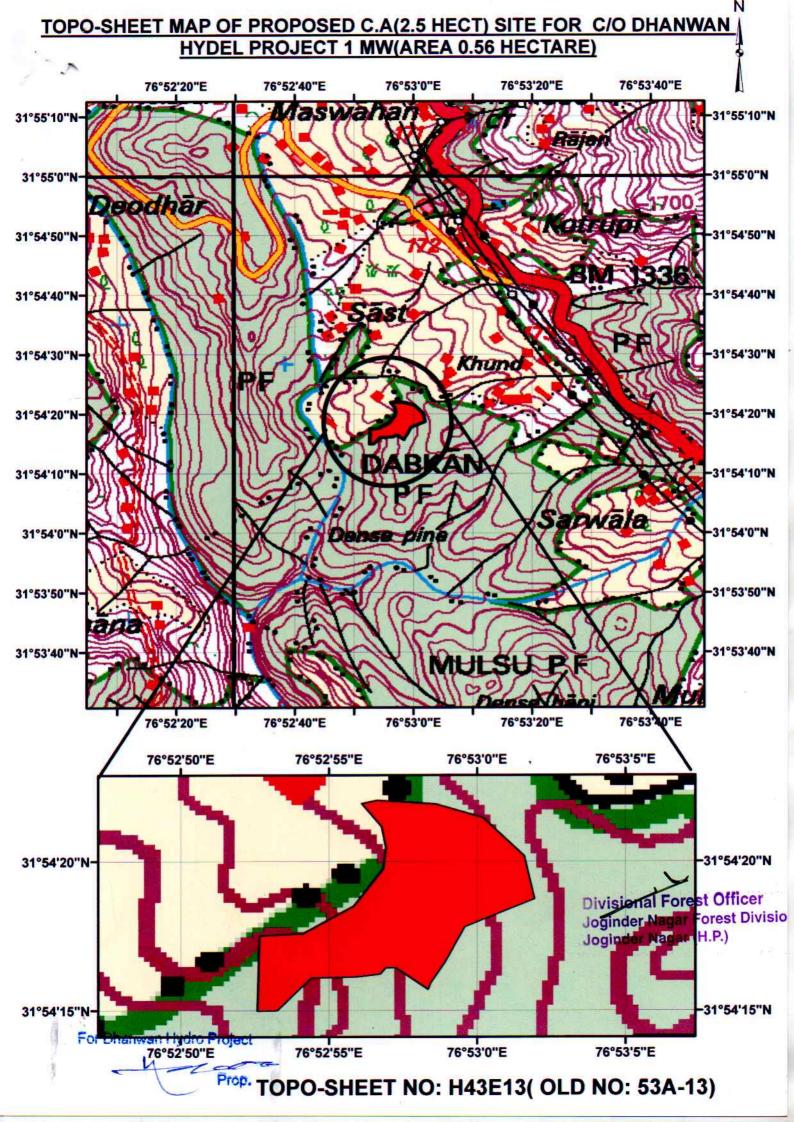
Place; J/Nagar

Date: 25/03/2092

Divisional Forests Officer,

Forest Division. Joginder Nagar.





Full Title of the project: Diversion of 0.56 ha of Forest Land in favour of Bhup Raj, 162/9 Bhojnagar Bajar, Sunder Nagar, for the construction of Dhanwan Small, HEP (1.00 MW), with in the jurisdiction of Joginder Nagar Forest Division, Distt. Mandi, HP.

File No.:

FP/HP/HYD/39107/2019.

"LAND SUITABILITY CERTIFICATE BY THE DFO CONCERNED"

This is to certify that 2.5 ha. land bearing Survey No 53A/13 DPF Dibkan Forest Beat Gawali Forest Block Urla, Forest Range Urla, Tehsil Padhar, District Mandi HP is identified for Compensatory Afforestation is suitable for undertaking plantation from the management point of view and is free from all sorts of encumbrances and encroachments.

Place: Joginder Nagar.

Dated 95/03/202

Divisional Forests Officer orest Division, J/Nagarvision Office Sealgar (H.P.)

No. WL (Misc.)-60/HEPs/Vol.-X/ 4377 Himachal Pradesh Forest Departmet

From:

Principal Chief Conservator of Forests, (Wildlife)-cum-Chief Wildlife Warden, Himachal Pradesh, Shimla-171001.

To

Sh. Bhup Raj (Sole), Village- Shandra, P.O.- Jhungi, Sub- Teh- Neri, Distt- Mandi, Himachal Pradesh.

Dated Shimla-171001, the 17.10.2018

Subject:

Application for NOC (Wild Life) for SHEP Dhanwan (0.30 MW) in Distt.

Sir

This is with reference to CF GHNP, Shamshi office memo No./ 3520 dated 26.09.2018 on the subject cited above.

As reported by CF GHNP, Shamshi that the above mentioned Small Hydel Electrical Project does not fall within the jurisdiction of Wildlife Division Kullu. The aerial distance of the proposed project from the boundary of Nargu Wildlife Sanctuary is 5 Km. Its capacity being 0.30 MW, it does not attract the provisions of 'Environment Impact Assessment' Notification, 2006, as such this office has no objection if the said project is commissioned. This may be treated as a No Objection Certificate from Wildlife

> Principal Chief Conservator of Forests, (Wildliff-cum-CWLW, HP Shimla.

Endst. No. WL (Misc.)-60/HEPs/Vol-IX/ Dated Copy is forwarded to CF GHNP, Shamshi w.r.t. his office memo.

No./3520 dated 26.09.2018 for information and further necessary action

Principal Chief Conservator of Forests, (Wildlilfe-cum-CWLW, HP Shimla.

For Dhanwan Hydro Project