

Full Title of the Project : Diversion of 0.344 Ha. Of Forest land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhunter Forest Division Shamshi at Distt. Kullu (HP)

- File No:
- Proposal No. : FP/HP/HYD/44581/2020
- Date of Proposal : 24-02-2020

**CHECK-LIST**  
**OF**  
**DOCUMENTS/INFORMATION REQUIRED FOR PROPOSAL**  
**FOR DIVERSION OF FOREST LAND FOR NON FORESTRY USE**  
**UNDER FOREST (CONSERVATION) ACT, 1980**

**FOR STAGE-I APPROVALS**

**I Documents/Information Required for All Proposals**

S.No.	Name of the Document (s)	Provided or Not	If not Provided Why?	Page Number
1	Check-list of the project proposal	Yes		1-10
2	Demand letter of the project authority/ applicant, if submitted.	Yes		11.

3	Main application form from Part-I to V as prescribed in the Rules under the FCA with all its columns duly filled up and signed by the competent authority with date, place and official seal. All the information in <b>Part-I</b> of <b>Form-A</b> including item-wise breakup of the forest area required, must be given in the form itself by expanding the columns	yes		12-19
4	Detailed note on the project. It must include the information regarding the number of villages and number of persons to be benefited from the project including employment generation.	yes		20-25
5	Map of the project site/forest area required clearly showing forest boundaries and adjoining areas with their land use in distinct colours in 1:50000 or any suitable scale on original Survey of India topo sheet. If the area is very small, in addition to above, an index map may be submitted showing forest boundaries and a location map on a larger scale with land use of the area required duly signed by DFO/CF concerned.	yes		26-27
6	Layout plan of project site approved by competent authority. In case of linear diversion of forest land, linear map or a diagrammatic map of the project site should be enclosed.	yes		28

7	Statement showing the details of forest area involved i.e. Survey No. /Coupe No. /Compartment No., etc., and item-wise breakup of the forest area proposed for diversion duly signed by DFO (in the prescribed format).	yes		29-30
8	Statement showing the details of non-forest area involved in the proposal (in the prescribed format).	yes		31
9	Certificate from the Collector/Deputy Commissioner that no alternative suitable non-forest land is available for the project in question.	yes		32
10	Justification for locating the project in forest area to be submitted by User Agency and countersigned by DFO.	yes		33
11	Certificate for minimum use of forest land to be submitted by the User Agency, giving details of area and trees involved in the alternatives examined and reasons for their rejection duly countersigned by DFO (in the prescribed format).	yes		34-36
12	Undertaking by the User Agency to bear the cost of compensatory afforestation duly counter signed by the DFO (in the prescribed format).	yes		37
13	Undertaking by the User Agency to pay the Net Present Value (NPV) of the forest land involved duly countersigned by DFO (in the prescribed format).	yes		38
	Undertaking by the User Agency to pay the Additional Net Present Value (NPV), if any, of the forest land involved duly countersigned by DFO (in the prescribed format) as decided at a later date as per the decision of the Supreme Court.	yes		39
14	<p>A certificate from the competent authority in the State in the prescribed (vide MoEF letter No. 11-9/98-FC (pt.) dated 5<sup>th</sup> July 2013) format that all forest rights under the Forest Rights Act, 2006 have been settled in respect of the forest area proposed for diversion, wherever applicable.</p> <p>In case, the process for settlement of rights under FRA has not been initiated, grant of stage-I approval under the FCA to the proposal will be considered only if a certificate from the competent authority concerned, clearly stating that the process for settlement of rights under the FRA has not been initiated along with evidences</p>	yes		40



	supporting that settlement of rights under the FRA will be initiated and completed before the final approval, is enclosed with the proposal (vide F. No. 11-179/2012-FC Dated: December 20, 2013).			
15	Species-wise and girth class-wise enumeration list and abstract of trees ( <i>abstract to be given at the end of the list</i> ) standing on the forest area in question neatly typed or computerized and duly signed by DFO.	Yes		41-42
16	Site inspection report of the forest area involved in the project proposal by the DFO concerned or higher level forest officer in prescribed format ( <i>in the prescribed format</i> ).	Yes		43
17	Details of non-forest land/degraded forest area identified for compensatory afforestation viz. Survey No./ Compartment No./Khasra No./Khatoni No., Village, Tehsil, District, etc., along with map in appropriate scale showing the boundaries of adjoining forest areas with their use in distinct colours ( <i>in the prescribed format</i> ).	Yes		44-47
18	Detailed scheme for compensatory afforestation on identified non-forest area/degraded forest area, as the case may be, at prevalent wage rates duly signed by DFO and countersigned by the CF concerned. The CA scheme must include all the technical details, details of work schedule, total financial outlay and proposed monitoring mechanism ( <i>in the prescribed format</i> ).	Yes		48-51
19	Certificate from the DFO, that non-forest land selected for compensatory afforestation is in a compact block and contiguous to forest area or in close proximity of forest area and suitable from the management and protection point of view.	NA		
20	Suitability certificate from the Divisional Forest Officer that the land identified for compensatory afforestation is suitable for raising plantation ( <i>in the prescribed format</i> ).	Yes		52
21	Certificate from the Chief Secretary regarding non-availability of non-forest land in the state for raising compensatory afforestation, wherever applicable. This certificate will be based on the certificate signed by the DFO and Deputy Commissioner/Collector of the district concerned about non-availability of such non-forest land.	Yes		53
22	In case of proposal which requires entry/exit through Protected Forest strips along			

	roads/railway lines/canals, the following information/documents must be given :-  a) No Objection Certificate (NOC) of the land owning agency i.e. NHAI/PWD, Railways or Canal/ Irrigation Department b) Change of Land Use certificate from Town and Country Planning/ any other competent authority.	NA		
23	For the projects involving forest land for construction of buildings/right of way for buildings, the built-up area, details of DG sets to be installed, and raw materials to be used (in case of industries) should be clearly mentioned.	NA		
24	Status of clearance under Environment (Protection) Act, 1986, wherever required.	NA		
25	NOC of the State Pollution Control Board for establishment of the project, wherever required.	NA		
26	Detailed scheme for rehabilitation of project affected persons, wherever required.	NA		
27	Detailed Catchment Area Treatment Plan, wherever required. The CAT Plan should be prepared on the basis of actual survey of area and its classification in various categories requiring different engineering/ afforestation and other treatments in phased manner.	NA		
28	Detailed Reclamation Plan, wherever required. It should be realistic exhaustive and complete in all respects along with relevant maps in distinct colours. It should also include the details of back fillings, afforestation and execution of such works, wherever required.	yes		54-64
29	Cost benefit analysis as per the guidelines issued under forest (Conservation) Act, 1980 in prescribed format, wherever required.			
30	Any other information/documents necessary for giving clarifications on the project, may be specified and attached.	Yes		65-66

<b>II Documents/Information Required for Proposals for Roads, Railway Lines, Canals and Transmission Lines</b>				
31	The following information/documents must be given :- a) Length and width of Road/Railway line/ Canal/ Transmission line passing through forest and non forest area. b) In case of expansion of already			yes



	existing road/railway line/canal, linear plan clearly showing in distinct colours the already existing road (from beginning to end), the width of the proposed road/railway line/canal to be expanded, and the remaining width of the Protect Forest strip, if any, which would be left after expansion.			
	c) In case of transmission line, the following details <b>may also</b> be given :- i) Number of towers to be erected both in forest and non forest area. ii) Width of the right of way for transmission line.			

III Documents/Information Required for Proposals for Hydro Electric Projects				
32	The following information/document must be given :-			
	a) Component-wise total area requirement	yes		67-68
	b) Copy of Memorandum of Understanding, Award Letter	yes		69-78
	c) Copy of Techno-Economic Clearance	NA		
	d) Copy of Implementation Agreement	NA		
	e) NOC from Irrigation and Public Health Department	yes		79-80
	f) NOC from Fisheries Department/Wildlife	yes		81-82
	g) Gram Panchyat NOC	yes		83
	h) Authorization to the applicant by the Project Authority	yes		84
	i) Joint Inspection Report	yes		85
	j) Revenue Paper	yes		86-88

IV Documents/Information Required for Proposals for Mining				
33	The following information/documents must be given :-			
	<b>I New Proposals</b>			
	a) Certificate from the competent authority like District Mining Officer/Geologist, regarding non-availability of the same mineral/ore in the nearly non-forest area.	NA		
	b) Estimated reserve of each mineral/ore in the forest area and non-forest area.			
	c) Total area demanded and extent of forest area involved in the proposed			

	<p>mining lease shown in distinct colours on relevant maps</p> <p>d) Proposed period of mining lease.</p> <p>e) Minimum distance of the proposed site from Wildlife Sanctuary and National Park.</p> <p>f) A copy of the mining plan duly approved by IBM, Nagpur.</p> <p>g) Phased reclamation plan of the project area.</p> <p>h) Copy of lease deed/agreement entered into with the district authorities.</p> <p>i) The details of Safety Zone Area for the mining as per para 4.7 of the guidelines. The undertaking from the project authority to bear the cost of fencing of safety zone area and afforestation over one and half times of degraded forest area. The details of safety zone to be ascertained by the competent authority viz. Indian Bureau of Mines/ Deptt., of Geology and Mining of the State Government.</p> <p><b>II) In case of renewal of Mining Lease</b></p> <p>a) A brief profile of the lessee/ company should be submitted giving details of their existing mining leases in the State with their capacity of production, the present level of average annual production, location of these pits and the status of reclamation of forest land that are exhausted of minerals.</p> <p>b) Complete details of existing or proposed leases in that particular forest area with their present status should be indicated on the Survey of India Topo-sheet in appropriate scale</p> <p>c) The State Government shall forward the complete proposal to the RO/MoEF at least six months prior to the expiry of the existing lease. In case of any delay, a details report elaborating the causes of delay shall be forwarded along with the</p>	HA		
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	proposal.			
	d) A resolution of Gram Panchayat/ Local Body of the area endorsing the proposal that the project is in the interest of the people living in and around the proposed forest land.	NA		

<b>V</b>	<b>Documents/Information Required for Proposals for Retail Outlets of an Oil Companies</b>
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34	<p>The following information/ documents must be given :-</p> <ol style="list-style-type: none"> <li>Copy of letter of intent issued by the oil Company.</li> <li>Site selection certificate as per Govt. of India guidelines. The DFO should certify the distance between two retail outlets on either side of the outlet in question.</li> <li>Layout plan showing dimensions of proposed approach road for entry and exit with clear area calculations.</li> <li>Map clearly indicating the directions of the road leading from....to.....</li> <li>The area calculations for the curves should invariably be given in the layout plan.</li> <li>NOC from NHAI/PWD/Urban or local body</li> <li>NOC from Town and Country Planning/ local body</li> <li>Certificate by User Agency to the effect that no High Tension line passing above the proposed site duly countersigned by DFO</li> <li>A Certificate by User Agency to the effect that no LP Gas godown is located near the proposed site duly countersigned by DFO</li> </ol>			
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Date:  
Place: Kullu

**Authorized Signatory**  
**Authorized Signatory**  
 M/S TEK SINGH  
 CHOJ 1 SHEP (0.50 MW)  
 CHOJ 1 (0.50 MW) SHEP  
**Countersigned By:-**  
 Divisional Forest Officer  
 Parvati Forest Division Distt. Kullu H.P.  
 Parvati Forest Division  
 Shamshi.

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**Full Title of the Project** : Diversion of 0.3442 Ha. of Forest land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)


- **File No:**
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**Certificate**

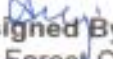
Certificate as required vide Nodal Officer (FCA) & CCF (FC), H.P. letter No.....

1. Full signature with complete address of user agency on request letter	Yes
2. All the undertakings are on letter head or judicial paper	Yes
3. Photocopies of concerned document duly self attested by user agency and countersigned by DFO	Yes
4. Photocopies of concerned NOC's duly self attested by user agency and countersigned by DFO	Yes
5. Signature on every paper of C.A. scheme	Yes

Date:  
Place: Kullu

  
Range Forest Officer  
Forest Range Office  
Kasol

  
Authorized Signatory  
M/S TEK SINGH  
CHOJ-1 SHEP (0.50 MW)  
CHOJ-1 (0.50M) SHEP

  
Countersigned By:-  
Divisional Forest Officer  
Parvati Forest Division Shamshi, Kullu H.P.  
Shamshi

**(Demand Letter)**

To

Divisional Forest Officer,  
Parvati Forest Division,  
Shamshi Distt-Kullu (H.P)

Subject: Diversion of 0.3442 Ha. Of Forest land for Construction of Choj-1 SHEP  
0.50 MW, Tehsil Bhunter, Parvati Forest Division Shamshi at Distt. Kullu (HP)

Sir,

"Jai Hind "

We hereby applying for prior approval under section 2 of the state Govt. & other authorities for the subject cited proposal. Please find enclosed herewith six set of application on prescribed format.

We would be highly thankful for your early approval on the subject.

Thanking you,

Date:

12/11/2024

  
Authorized Signatory

M/S TEK SINGH  
M/s Tek Singh  
CHOJ-1 SHEP (0.50 MW)



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### **CHECK LIST NO. 3**

#### **Form 'A'**

Form for seeking prior approval under section 2 of the proposals by state Government and other authorities.

#### **PART-I (To be filled up by user agency)**

1	<b>Project details:-</b>	
(i)	Short narrative of the proposal and project/scheme for which the forestland is required.	Diversion of 0.3442 Ha. of forest land for Construction of CHOJ-1 SHEP under Shamshi forest Division of Distt. Kullu(H.P.)
(ii)	Map showing the required forest land, boundary of adjoining forest on a 1:15,000 scale map	Attached at Page.....
(iii)	Cost of the project	Approx. 517.20 Lacs
(iv)	Justification for locating the project in the forest area.	During survey & investigation, all other alternates were studied, but keeping in view the viability of project and minimum use of the forest land, present proposal was finalized. This project is to be constructed in a very remote area. The scheme does not touch the private land hence forest land was needed for this proposal.
(v)	Cost benefit analysis(to enclosed)	NA
(vi)	Employment likely to be generated	Approx. 25000 person days in which 8 permanent jobs.
2	Purpose-wise break-up of the total land required.	Land Required for Construction of project=0.3442 Ha.
3	Details of displacement of people due	NA

	to the project, if any:	
(i)	Number of families.	NA
(ii)	Number of scheduled castes/scheduled Tribe families	NA
(iii)	Rehabilitation plan(to be enclose)	NA
4	Whether clearance under Environment (Protection) Act, 1986 required? (yes/No).	NA
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(undertaking to be closed)	Attached
6	Detail of certificates/documents enclosed as required under the instructions.	1. Project map 2. Compensatory Afforestation scheme & map 3. Site inspection by DFO.

Date:

Place: Kullu

*[Signature]*  
Authorized Signatory  
Authorised Signatory

M/S TEK SINGH

M/s Tek Singh

CHQ-I SHEP (0.50 MW)  
CHQ-I (0.50M) SHEP

Countersigned By:-

*[Signature]*  
Divisional Forest Officer

Parvati Forest Division

Parvati Forest Division Distt. Kullu H.P.

Full title of the Project:- Construction of Choj-1 (0.5 MW) Small Hydro Electric Power Project

File No. : FD/HP/HND/44581/2020

Date of proposal: 24-02-2020

### PART-II

(To be filled by the concerned Deputy Conservator of Forest)

State Serial No. of Proposal .....

7.	Location of the Project/Scheme	
	i) State/Union Territory	Himachal Pradesh
	ii) District	Kullu
	iii) Forest Division	Prabati Forest Division Shamshi, Distt. Kullu
	iv) Are of Forestland proposed for diversion (in hac.)	0.3442 ha forestland of Kasol Forest Range.
	v) Legal status of forest	1/3 Bhekhal ser (DPF) of kasol beat, Kasol Block of Kasol Range.
	vi) Density of vegetation	Total number of trees involved in the forestland is Nil and the density in terms of numbers is also 0 (Zero).
	vii) Species wise (scientific names) and diameter class wise enumeration of trees (to be enclosed) in case of irrigation/hydel projects enumeration at FRL, FRL-2 meter and FRL-r meter also to be enclosed.	The detailed enumeration list of the trees is enclosed at Pages <u>41</u>
	viii) Brief note on vulnerability of the forest area erosion.	The area is stable and is currently free from erosion. Underlying rocks seems hard and the soil depth is not much. Aspect of the slope is generally south-western. Vulnerability of forest area to erosion is insignificant.
	ix) Approximate distance of proposed site for diversion from boundary of forest.	Proposed diversion site is located in 1/3 Bhekhal Ser (DPF) of Kasol beat, Kasol Block of Kasol Range.
	x) Whether forms part of national park, wildlife sanctuary, biosphere, reserve, tiger reserve, elephant corridor etc. (it so the detail of the area and comments of the Chief Wildlife warden to be annexed)	The area does not form part of any protection area listed here or otherwise. In fact the area falls under the jurisdiction of Parvati Forest Division, Shamshi.
	xi) Whether any rare/ endangered/unique species to flora and funna found in the area ? If so detail thereof.	No rare/ endangered or unique species of flora and fauna have been reported from the area.

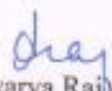


	xii) Whether any protected archaeological/heritage site /defence establishment or any other important monument is located in the area? If so the detail thereof with NOC from competent authority if required.	There is no archaeological/ heritage site/ defense establishment or any other important monument located in the area.
8.	Whether the requirement of forest land as proposed by the user agency in col. 2 of Part-I is unavoidable and barest minimum for the Project? If no recommended area item wise with details of alternatives examined.	The requirement of the forestland is unavoidable. During site and joint inspection requirement of forestland has been ensured to be barest minimum.
9.	Whether any work in violation of the act has been carried out ? If yes, detail of the same including period of work done, action taken on erring officials, whether work in violation is still in progress?	No work has been started on this forestland as yet.
10.	Detail of compensatory of afforestation scheme i) Detail of <del>non-forest</del> area/degraded forest area identified for compensatory afforestation, its distance from adjoining forest, number of patches, size of each patch	The Compensatory Afforestation is proposed to be done over 0.70 ha 1/3 Bhekhal Ser, Near Choj Village of Kasol beat, Kasol Block of Kasol Forest Range. The detail Compensatory Afforestation scheme has been attached at Page - 48-51
	ii) Map showing <del>non-forest</del> degraded forest area identified for compensatory afforestation and adjoining forest boundaries.	Attached at Page- 46-47
	iii) Detailed compensatory afforestation scheme including species to be planted implementing agency time schedule, cost structure etc.	Detailed Scheme attached at Pages - 48-51
	iv) Total financial outlay for compensatory afforestation scheme.	The Financial outlay for raising plantation over 0.70 ha and its maintenance for ten years compensatory scheme comes out Rs. 1,84,780/- only will be payable to H.P. Forest Department.
	v) Certificates from competent authority regarding suitability of area identified for compensatory afforestation and from management point of view (to be signed by the concerned Deputy Conservator of Forest)	Certificate enclosed at Page- 52

11.	Site inspection report of the DCF (to be enclosed) especially high lighting facts asked in Col. 7(xi, xii) 8 and 9 above.	Enclosed at Page- 43
12.	Division/District Profile	Parvati /Kullu
	i) Geographical area of the district	5,50,300 hac. ( 5503 Sq. Km.)
	ii) Forest area of the district Parvati Forest Division	4,95,200 hac. ( As per H.P. Forest statistic 2005) 1,71,283 hac ( As per working Plan of Kullu & Parvati by JS Walia).
	iii) Total forest area diverted since 1980 with number of cases.	65 cases = 488.651 hac.
	iv) Total compensatory afforestation stipulated in the district/division since 1980 on.	C.A. including penal compensatory afforestation 951.28 hac.
	(a) Forest land including penal compensatory afforestation.	951.28 hac.
	(b) Non forest land	Nil
	v) Progress of compensatory afforestation as on date 30.09.2020.	951.28 ha
	(a) Forest Land	951.28 ha
	(b) Non Forest Land	Nil
13.	Specific recommendations of the DCF for acceptance of otherwise of the proposal with reasons.	The proposal is recommended, for diversion of 0.3442 ha of forestland under FCA, 1980 for construction of 0.50 MW Choj-I Small Hydro Electric Power Project as the forest area involved in the proposal is unavoidable and barest minimum. The user agency i.e M/S Tek Singh s/o Hem Singh VPO Shiah Tehsil Bhunter Distt.Kullu HP has also given undertaking through its Authorized Signatory to pay the amount of Compensatory Afforestation (CA), Net Present Value (NPV) etc.

Date / 3-2-2021

Place: Shamshi Distt. Kullu H.P.

  
 (Aishwarya Raj), IFS  
 Deputy Conservator of Forests,  
 Parvati Forest Division, Shamshi.

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### PART-III

(To be filled by the Concerned Conservator of Forests)

1	Whether site, where the forest land involved is located has been inspected by concerned Conservator of Forest (Yes/ No). If yes, the date of inspection & observations made in form of inspection note to be enclosed.	
2	Whether the concerned Conservator of Forests agree with the information given in Part-B and the recommendations of Deputy conservator of Forests.	
3	Specific recommendation of concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reasons	

Date:

Place:

Conservator of Forest

Forest Division Distt. Kullu H.P.



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#### PART-IV

(To be filled in by Nodal Officer or Principal Chief Conservator of Forests or Head of Forest Department)

1	Detailed opinion and recommendation of the State Forest Department for acceptance or otherwise of the proposal with remarks. (While giving opinion, the adverse comments made by concerned Conservator of Forests or Deputy Conservator of Forests should be categorically reviewed and critically commented upon)	
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Place:

Date:

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#### PART-V

(To be filled in by the Secretary in charge of Forest Department or by any other authorized officer of the state Government not below the rank of an under Secretary)

1	<p>Recommendation of the State Government:</p> <p>(Adverse comments made by any officer or authority in Part-B or Part-C or Part-D above should be specifically commented upon)</p>	
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Place:

Date:

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#### CHECK LIST NO.4

#### Detail Note on the Project

#### **INTRODUCTION OF THE PROMOTERS**

M/s Tek Singh is Sole Proprietor of the Project and the vision of harnessing renewable energy available in India. Small hydro power is one of the renewable energy and CHOJ-1 SHEP falls in this category of renewable energy of power sector.

#### **LOCATION OF THE PROJECT**

CHOJ-1 Small Hydro Power Project is a run of the river scheme for power generation of 0.50 MW on Gohar Nallah. The project site is near about 37 Km from Bhunter Airport. The diversion / Intake site is located at longitude 32°-1'40.62" and latitude 77°-19'18.27" and power house at longitude 32°-1'06" North and latitude 77°-19'44.27" East. TopoSheet No is 52H/8 /SW.

#### **CHOICE OF SCHEME**

For optimum utilization of power potential available in the lower reaches of Gohar Nallah three alternatives were considered and the best possible alternate was selected on the merit basis.

#### **ALTERNATIVE - I**

This is mainly a Left bank alternative. The alternative involves construction of diversion structure at El + 1765.00 m on Gohar Stream just near village Choj. The project component shall consist of diversion weir, Feeder Pipe 60 m long I, Desilting tank Cum



Forebay tank, however, penstock alignment runs through rocky slope. The gross head available for power generation shall be around 185m. The Left bank of the khad does have stable slopes but in some areas due to saturation to be caused by water conductor system sliding tendencies may occur in few areas. Surface power house is located on right bank of the Gohar Nallah.

#### **ALTERNATIVE - II**

This alternative involves construction of diversion structure at Gohar Nallah at El  $\pm 1765$  meter. The Right bank has exposed rocky strata & cutting more trees at this bank if this bank is proposed.

#### **ALTERNATIVE - III**

This alternative involves construction of diversion structure Gohar Nallah at El  $\pm 1765$  meter. This alternate involves large no. of trees and also found loose portion and topography of the same is not suitable for laying of penstock and slopes are not stable for construction of the project.

In view of the advantages offered by the alternative I, it has been taken up for preparation of Detailed Project Report.

Examining above three alternatives, Alternate no -1 was finally adopted, which is environmentally sustainable, socially equitable, ecologically compatible and economically viable. Trees and area coming in this alignment is less than other alignment.

#### **GEOLOGY OF THE PROJECT AREA**

The catchment of Choj-1 Hydro Electric Project lies  $32^{\circ}-1'40.62''$  and latitude  $77^{\circ}-19'18.27''$  and power house at longitude  $32^{\circ}-1'06''$  North and latitude  $77^{\circ}-19'44.27''$  East. TopoSheet No is 52H/8 /SW.

Gohar stream originates from high snow clad mountains having elevation 3855 m above MSL. Rocks are better with regard to strength, erosion resistance, weathering resistance and water observation capacity. Rocks are exposed intermittently at most of the places. Some of the area is covered with overburden of varying depth.

Manikaran Quartzite, chloritic phyllitic and metabasic of Banjar formation occur in this area. These are covered by over burden deposits consist of colluvial, fluvioglacial and

fluvial materials. These deposits are of Quaternary to recentage. White quartzite known as the Manikaran Quartzite is the main rock type and found from intake site to Desilting Tank cum Forebay along the Feeder Pipe alignment. Fine to medium grained Phyllite interbedded with quartzite, chloritic phyllite with basic schist are occurring in penstock and powerhouse area. Following discontinuities are found in the project area.

**Table-1.1**

Set No	Dip	Dip Direction	Strike
I	Bedding- $36^{\circ}$ - $42^{\circ}$	$N30^{\circ}$ - $50^{\circ}$ E	$N40^{\circ}$ to $60^{\circ}$ W - $S40^{\circ}$ to $60^{\circ}$ E
II	Foliation - $42^{\circ}$ - $50^{\circ}$	$N10^{\circ}$ - $60^{\circ}$ E	$N30^{\circ}$ to $80^{\circ}$ W - $S30^{\circ}$ to $80^{\circ}$ E
III	Joint- $68^{\circ}$ - $82^{\circ}$	$S20^{\circ}$ - $50^{\circ}$ W	$N40^{\circ}$ to $70^{\circ}$ W - $S40^{\circ}$ to $70^{\circ}$ E
IV	Joint- $90^{\circ}$	-	$N30^{\circ}$ to $50^{\circ}$ E - $S30^{\circ}$ to $50^{\circ}$ W
V	Joint- $90^{\circ}$	-	$N30^{\circ}$ to $60^{\circ}$ W - $S30^{\circ}$ to $60^{\circ}$ E
VI	Joint- $70^{\circ}$	$N40^{\circ}$ W	$N50^{\circ}$ E - $S50^{\circ}$ W

### WEIR SITE & INTAKE SITE

The proposed Intake structure is located on the Left bank of the Gohar stream near Choj village. The axis is aligned  $N30^{\circ}$ W -  $S30^{\circ}$ E just downstream of existing wooden bridge. Out crop is available up to river bed belonging to Manikaran Quartzite of Banjar Formation on right bank. Bedding strike direction is  $N60^{\circ}$ W- $S60^{\circ}$ E with  $36^{\circ}$  dip toward  $N30^{\circ}$ E. At right bank thick fluvio-glacial material is seen covering most of the area. In river bed boulders of gneisses & quartzite with sandy- gravelly axis are present. Slope on left bank is loose portion and steeper than right bank.



## FEEDER PIPE

60.00m long power pipe having 1.00m dia is provided upto D-Tank whose slope & velocity is 1:200m and 3.49m/s respectively.

A feeder pipe is 60.0m long is proposed through the left bank of Gohar stream from intake to D cum Forebay Tank. The rock unit comprises of Quartzite with subordinate bands of schist belonging to Manikaran quartzite of Banjar formation. Manikaran quartzite is a white, massive quartzite but light greenish grey and banded type is also

seen at places. The quartzite is highly metamorphosed and is generally very hard. It breaks with sub coincided fracture yielding sharp edges.

## D Tank cum Forebay Tank

The D tank Cum Forebay Tank of size 20.00m x 11.00m and height 3.00m has been proposed at an elevation of  $\pm 1764.11\text{m}$ . It is located on the rocky area and consists of phyllite with quartzite bands and amphibolites/basic rocks. It is grey to greenish grey, moderately to highly weathered. General trend of strike of foliation is  $N30^{\circ}$  to  $60^{\circ}$ W- $S30^{\circ}$  to  $60^{\circ}$ E dipping  $42^{\circ}$ - $50^{\circ}$  towards NE to ENE direction. The D Tank Cum Forebay Tank is partially underground and portions below NSL are covered with rock. While excavating the D Tank Cum Forebay Tank side slope needs to be protected. The location of D Tank Cum Forebay Tank is safe & no construction problem is anticipated at this location.

## PENSTOCK

A 998.00m long penstock alignment passes along the left bank of the Gohar Nallah. The average slope of penstock will be 50 degree with minimum 40 degree to maximum of 60 degree. Here medium to coarse grained, moderately to highly weathered amphibolites and mica schist bands are present along weathered phyllitic. Some openings are noticed along joints at this location.



### **SURFACE POWER HOUSE**

Power House of the proposed Choj-1 small hydro power project is located on Left bank of Gohar Nallah. The powerhouse is proposed on a gentle slope consisting fluvial/fluvioglacial deposit. Thickness of this overburden material extended upto riverbed so there are least chances to meet the rock at power house pit. Above this deposit towards hill side weathered phyllite with quartz bands exposures occur on back slope of power house. Foliation dips towards hillside and upstream. Back slope of the power house seems stable. After careful investigation of the geological and geomorphological conditions of power house area which was selected around EL

±1585.00m. It is located about 5m above the riverbed where massive cutting in steps is required for the placement of powerhouse.

### **TAIL RACE**

The proposed 10 m long rectangular shaped tailrace is located on fluvial deposit at right bank of stream. This overburden slope is very steep hence suitable protection is required at this location to avoid slope instability due to cutting of the slope.

### **HYDROLOGICAL AND METEOROLOGICAL INVESTIGATIONS**

Discharge measurements of Gohar Nallah is begin by the developer however long-term details not available. The long-term discharge data has been calculated via regression analysis method.

The study of the different hydrological parameters like catchment area, rainfall and Runoff etc. are very important parameters to know for the proper designing of the scheme. Following studies were done.

- Calculation of Total catchment area above weir sites of the Project i.e. above elevation of 1765.00m is calculated from Topo Sheet 52H/8/SW is 8.95Sq.Km.
- Ten Daily discharge of Parvati River in district Kullu as measured from year 1971-72 to 1994-95 which is in nearby catchment area.
- Observed discharge data of year Sep, 2009 to Aug, 2017 at weir site covering more than two lean seasons.
- Developing long term series for same years with regression analysis.

### CATCHMENT AREA

The stream is a perennial stream. It originates from the high peaks having an elevation of EL 3855 meters. Above Mean Sea (MSL) Level (measured from topo sheet no. 52H/8/SW of the Survey of India). The total catchment area above the proposed Diversion Weir of Choj-1 Small Power Project is 8.95 Sq. km. including snow fed catchment area. The catchment is covered with thick forests and barren land. There is negligible seepage in catchment terrain and most part of the rain fall results in run-off in the stream.

### POPULATION AFFECTED

CHOJ-1 SHEP has no shortage reservoir and so on submergence case is involved. In the layout of project components, no habitat is to be affected. As much no population is adversely affected by the execution of this project. The project will generate employment to the local youth and shall industry in the vicinity of the project area.

Date:

Place:

Authorised Signatory

Authorised Signatory

Choj-1 SHEP  
M/S TEK SINGH

CHOJ -1 SHEP (0.50 MW)

Range Forest Officer  
Forest Range Office  
Kasol

Countersigned By:-

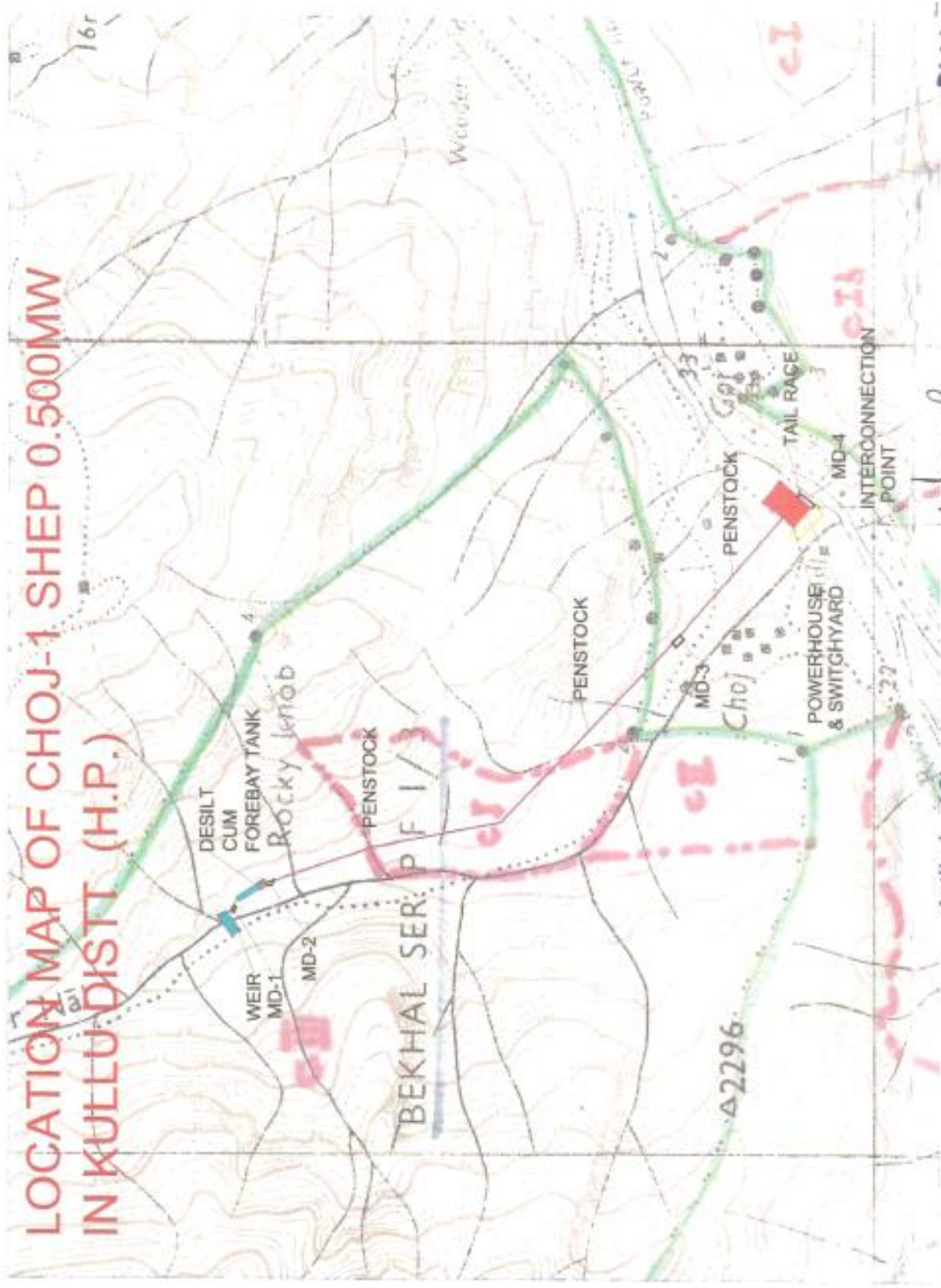
Divisional Forest Officer  
Parvati Forest Division,  
Shashmi

Parvati Forest Division Shashmi Distt Kullu H.P.



CH-UST-5

LOCATION MAP OF CHOJ-1 SHEP 0.500MW  
IN KULLU DISTT (H.P.)



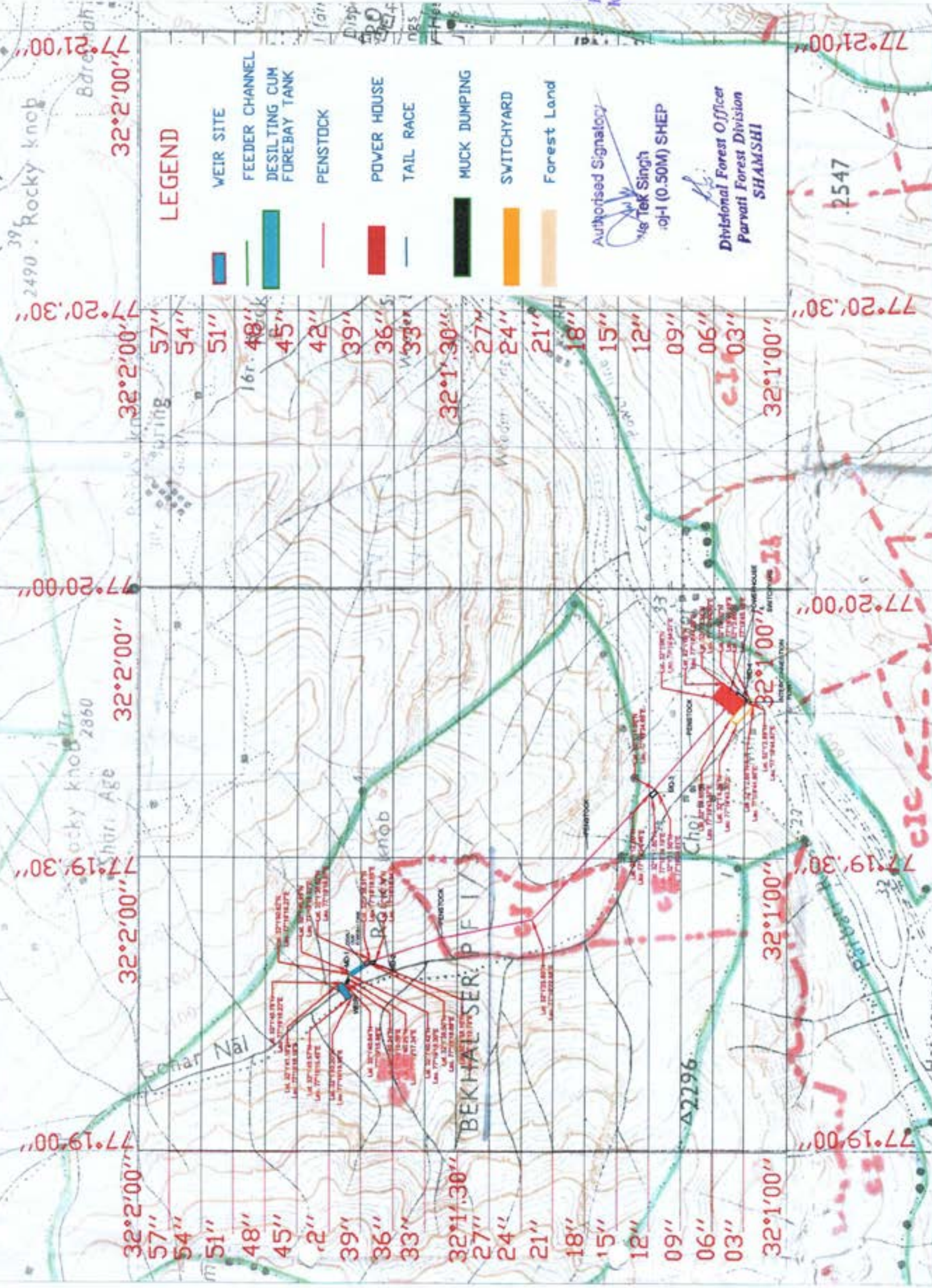
Authorised Signatory  
S. Tek Singh

Range Forest Officer  
Forest Range Office  
Kasol

28  
Divisional Forest Officer  
Parvati Forest Division  
SHAMSHI



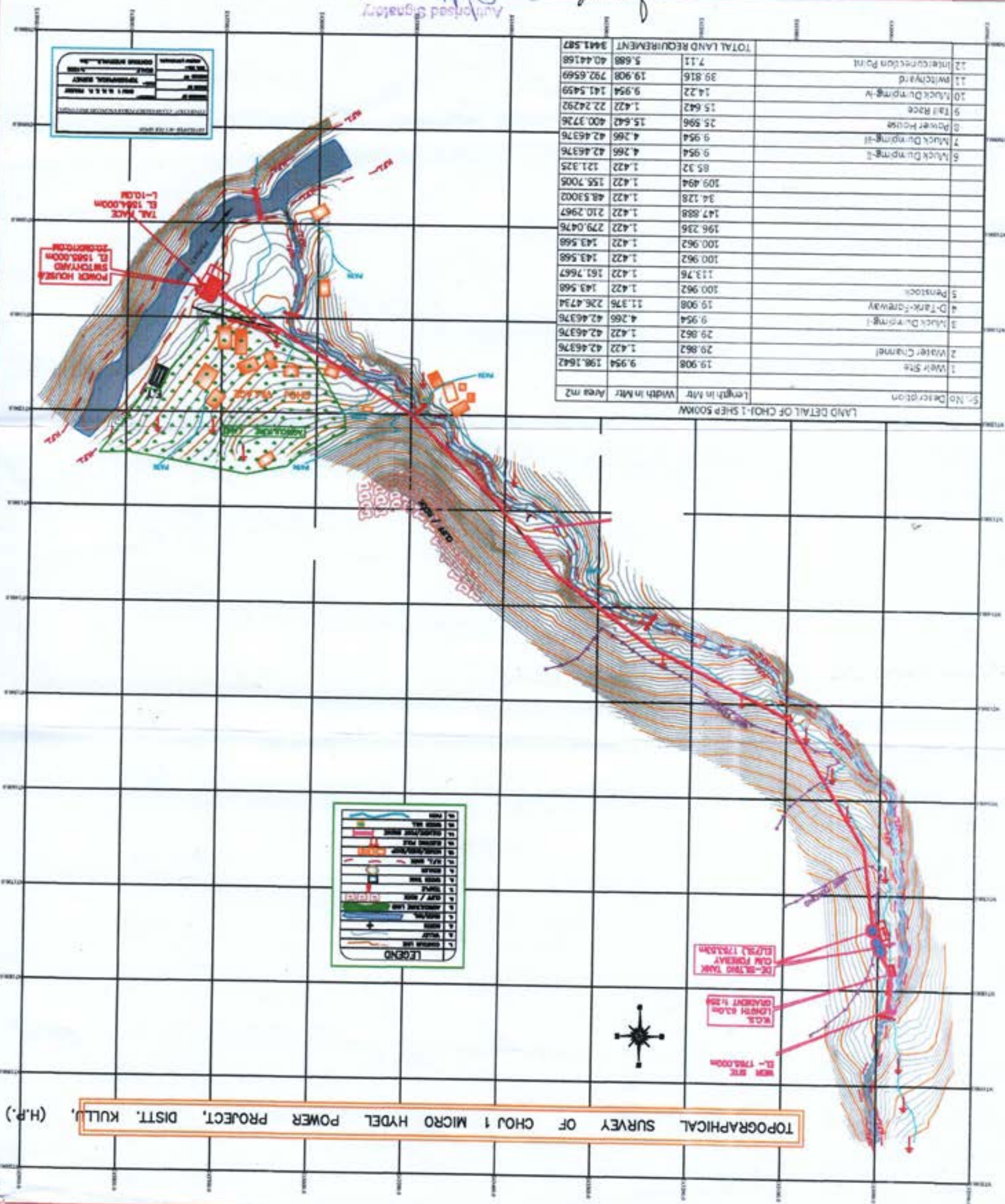
39 Rocky Knob



2/20/21  
Range Forest O  
Forest Range O  
Kasol



TOPOGRAPHICAL SURVEY OF CHOU 1 MICRO HYDEL POWER PROJECT, DIST. KULLU, (H.P.)



Divisional Forest Officer  
Parvati Forest Division  
SHAMSHI

in cer  
vice

Range Forest Officer  
Forest Range Office  
Kasol

Authorised Signatory

CH. 457 - No G



Full Title of the Project: Diversion of 0.3442 Ha. of Forest land for Construction of Choj-I SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)

- File No:
- Proposal No. : FP/HP/HYD/44581/2020
- Date of Proposal : 24-02-2020

### CHECK LIST SERIAL NUMBER-07

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

LAND REQUIREMENT OF CHOJ-I SHEP								
Sr. No.	District	Division	Range/Tehsil/ Phati	Khasra/Survey Of Compartment Number of Km Stoen	FOREST Area Proposed for Diversion	Legal Status of Forest Area 1/3 Bhekhalscy	Remarks	
1	2	3	4	5	6	7	8	
1	Kullu	Parvati Division Kullu	Forest Shamshi	Kaosl /Bhunter Manikaran	1	0.0198	DPF	Weir Site
2	Kullu	Parvati Division Kullu	Forest Shamshi	Kaosl /Bhunter Manikaran	2	0.0085	DPF	Water Channel
3	Kullu	Parvati Division Kullu	Forest Shamshi	Kaosl /Bhunter Manikaran	3	0.0042	DPF	Muck Dumping -1
4	Kullu	Parvati Division Kullu	Forest Shamshi	Kaosl /Bhunter Manikaran	4	0.0226	DPF	D Tank cum Foreway
5	Kullu	Parvati Division Kullu	Forest Shamshi	Kaosl /Bhunter Manikaran	5	0.1408	DPF	Penstock
6	Kullu	Parvati Division Kullu	Forest Shamshi	Kaosl /Bhunter Manikaran	6	0.0042	DPF	Muck Dumping-2



7	Kullu	Parvati Division Kullu	Forest Shamshi	Kaosi /Bhunter Manikaran	7	0.0042	DPF	Muck Dumping-3
8	Kullu	Parvati Division Kullu	Forest Shamshi	Kaosi /Bhunter Manikaran	8	0.04	DPF	Power House
9	Kullu	Parvati Division Kullu	Forest Shamshi	Kaosi /Bhunter Manikaran	9	0.0022	DPF	Tail Race
10	Kullu	Parvati Division Kullu	Forest Shamshi	Kaosi /Bhunter Manikaran	10	0.0142	DPF	Muck Dumping-4
11	Kullu	Parvati Division Kullu	Forest Shamshi	Kaosi /Bhunter Manikaran	11	0.0793	DPF	Switch Yard
12	Kullu	Parvati Division Kullu	Forest Shamshi	Kaosi /Bhunter Manikaran	12	0.004	DPF	Interconnection Point

**TOTAL LAND REQUIREMENT**

3442 Sqm Say in Hect. 0.3442

**Authorised Signatory**

*Choi*  
**Authorized Signatory**

**M/s Tek Singh**

**CHOJ-1 SHEP**

CHOJ -1 SHEP (0.50 MW)

*rfur*  
**Range Forest Officer**  
**Forest Range Office**  
**Kaosi**

**Countersigned By:-**

*drj*  
**Divisional Forest Officer**

**Divisional Forest Officer**

**Shamshi**

**Parvati Forest Division Shamshi, Kullu H.P.**

**Full Title of the Project :** Diversion of 0.3442 Ha. of Forest land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)

- File No:
- Proposal No. : FP/HP/HYD/44581/2020
- Date of Proposal :

### CHECK LIST SERIAL NUMBER-08

#### STATEMENT SHOWING DETAILS OF NON - FOREST AREA PROPOSED FOR DIVERSION

S.no	District	Sub-Division	Range/Tehsil/Phati	Khasra/ Survey of Compartment Number	Non-Forest Area involved in the proposal (Ha.)	Present Land Use	Remarks
1	2	3	4	5	6	7	8
1	Kullu	Kullu	Kasol Bhunter/ Manikaran	NIL	NIL	Nil	Nil

Date:

Place: Kullu

Authorized Signatory  
Authorized Signatory  
M/s Tek Singh  
CHOJ-1 SHEP (0.50 MW)

CHOJ -1 SHEP (0.50 MW)

Countersigned By:-

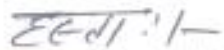
Divisional Forest Officer  
Parvati Forest Division.

Parvati Forest Division Shamshi, Kullu H.P

कार्यालय उपायुक्त कुल्लू जिला कुल्लू हिमाचल प्रदेश।  
अनुपलब्धता प्रमाण पत्र

M/s Tek Singh S/o Sh. Hem Singh V.P.O. Shiah Tehsil Bhuntar, District Kullu (HP) से प्राप्त पत्र दिनांक 04/12/2019 के सम्बन्ध में सलग्न संयुक्त निरीक्षण रिपोर्ट दिनांक 29/11/2019 सहित for the construction of 0.5MW Choj-I SHEP situated within the jurisdiction of Forest Range, Kasol Divisional Forest Officer, Parvati Forest Division, Shamshi District Kullu (HP) हेतु प्रस्तावित सरकारी/वन भूमि रकबा तादादी 0.3442 हैक्टेयर के हस्तान्तरण बारे अनुपलब्धता प्रमाण पत्र जारी करने का अनुरोध किया गया है। संयुक्त मौका निरीक्षण रिपोर्ट के अनुसार उपरोक्त प्रस्तावित सरकारी/वन भूमि न्यूनतम एवम् अधिक उपयुक्त है तथा उपरोक्त प्रयोजन हेतु प्रस्तावित सरकारी/वन भूमि के अतिरिक्त अन्य भूमि उपलब्ध न है।

अतः संयुक्त निरीक्षण रिपोर्ट के आधार पर प्रस्तावित सरकारी/वन भूमि रकबा तादादी 0.3442 हैक्टेयर M/s Tek Singh Sole proprietor, Choj-I SHEP (0.5MW) को उपरोक्त प्रयोजन हेतु अनुपलब्धता प्रमाण पत्र जारी किया जाता है।

  
(डॉ० ऋचा वर्मा, भा०प्र०से०)  
उपायुक्त कुल्लू।

पृष्ठांकन संख्या 2345-47 / डी०आर०ए०


दिनांक 31-12-2019

प्रतिलिपि सेवा में:-

1. वन मण्डल अधिकारी, पार्यती वन मण्डल, शमशी जिला कुल्लू को प्रेषित कर अनुरोध है कि वन संरक्षण अधिनियम 1980 के अन्तर्गत केन्द्र सरकार के पर्यावरण एवम् वन विभाग की अन्तिम स्वीकृति प्राप्त होने पर उसकी एक प्रतिलिपि आगामी आवश्यक कार्यवाही के लिए तुरन्त इस कार्यालय को प्रेषित करें।
2. उप मण्डल अधिकारी (ना०), कुल्लू जिला कुल्लू को सूचनार्थ एवम् आगामी कार्यवाही हेतु प्रेषित है।
3. M/s Tek Singh S/o Sh. Hem Singh V.P.O. Shiah Tehsil Bhuntar, District Kullu (HP) को उपरोक्त पत्र के सन्दर्भ में सूचनार्थ प्रेषित है।

  
Range Forest Officer  
Forest Range Office  
Kasol

  
Divisional Forest Officer  
Parvati Forest Division,  
Shamshi

  
(डॉ० ऋचा वर्मा, भा०प्र०से०)  
उपायुक्त कुल्लू।



Full Title of the Project : Diversion of 0.3442 Ha. Of Forest land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)

- File No:
- Proposal No. : FP/HP/HYD/44581/2020
- Date of Proposal : 24-02-2020

### Check List Serial Number -10

#### JUSTIFICATION FOR LOCATING THE PROJECT IN FOREST AREA

The catchment area of stream above the diversion structure mainly comprises of forest land. The slope of stream from 1:20 to 1:60 which is an ideal condition for Hydro Power Electric generation. The natural regime of the stream is not being disturbed as a raised crested weir with non overflow and overflow section has been proposed and the water after generation of electric power would be released back into the river.

No other viable alternative is available for the project, so it has to be as such be located in the forest land. Before finalizing this layout, three alternatives have been explored and forest area with minimum no. of trees is selected, keeping in view the other technical parameters required for the construction of the project. The same has also been certified by the concerned Divisional Forest Officer and Sub Divisional Officer (Civil) during the joint inspection of the project site on dated ( certificate enclosed on Page No.....)

Though three routes were considered. For selection of the best alternate, overall forest area, number of trees and length in forest area involved in Alternative-I are comparatively minimum, hence the same was finalized.

Date:

Place:

*[Signature]*  
Range Forest Officer  
Forest Range Office  
Kasol

*[Signature]*  
Authorized Signatory  
Authorized Signatory

M/S TEK SINGH (Sole Prop.)  
CHOJ-1(0.50MW)SHEP

*[Signature]*  
Countersigned BY  
Divisional Forest Officer  
Parvati Forest Division

Parvati Forest Division Shamshi Distt. Kullu H.P.

Full Title of the Project : Diversion of 0.3442 Ha. of Forest land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)

- File No:
- Proposal No. : FP/HP/HYD/44581/2020
- Date of Proposal : 24-02-2020

### CHECK LIST SERIAL NUMBER-11

#### CERTIFICATE FOR MINIMUM USE OF FORESTLAND

This is to certify that the forest area involved in the proposal is unavoidable and barest minimum i.e. 0.3442 hac. Which is proposed diversion for construction of 0.50 MW CHOJ-1 SHEP.

Date:

Place:

  
Authorized Signatory

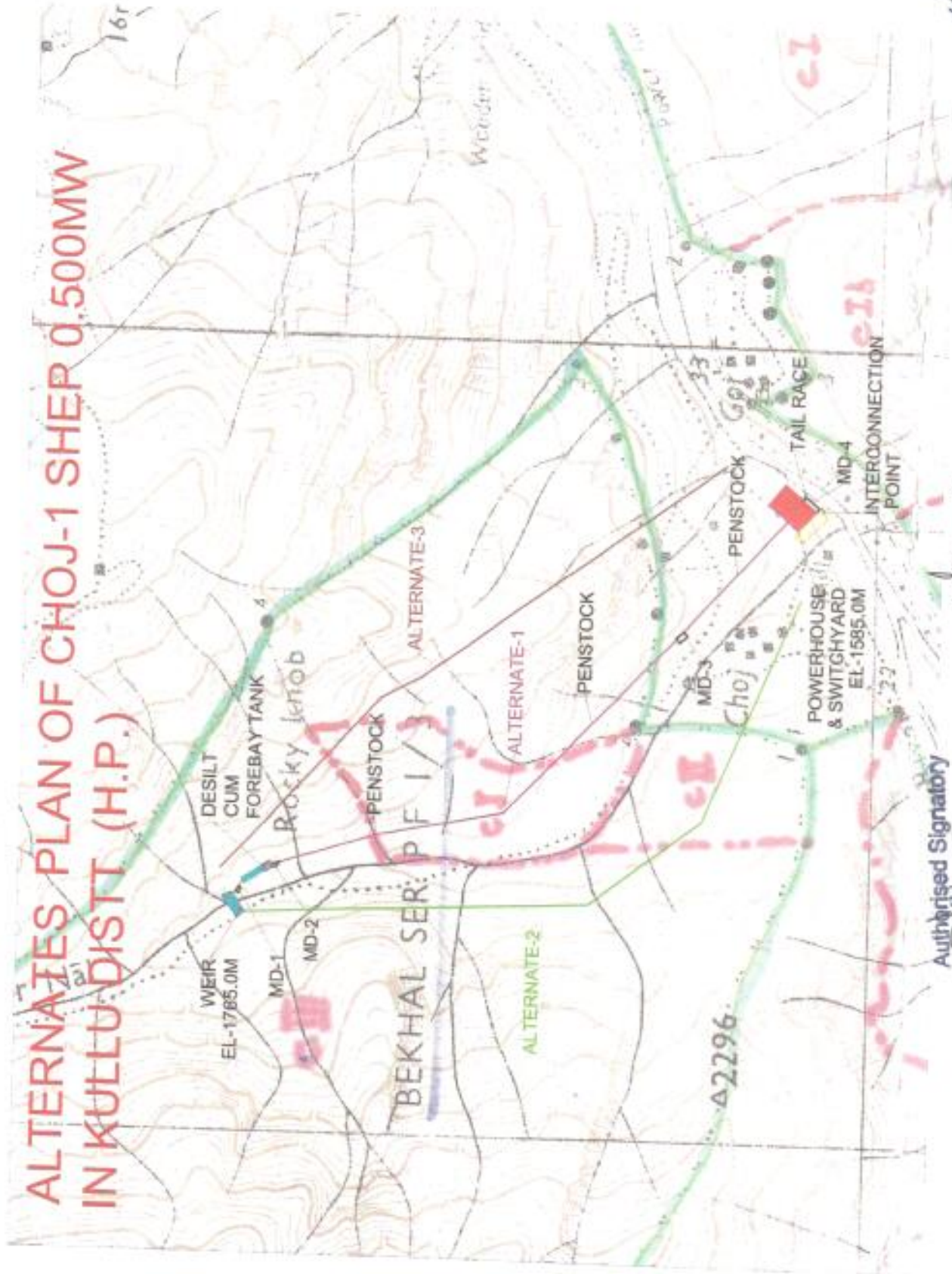
M/S TEK SINGH (Sole Prop.)  
CHOJ-1 (0.50 MW) SHEP  
Choj-1 (0.50 MW) SHEP

  
Range Forest Officer  
Forest Range Office  
Kasol

Countersigned By:-

  
Divisional Forest Officer  
Parvati Forest Division  
Shamshi  
Shamshi Distt Kullu H.P.

# ALTERNATES PLAN OF CHOJ-1 SHEP 0.500MW IN KULLU DISTT (H.P.)



Authorised Signatory  
s Tek Singh  
CHOJ-1 (0.50M) SHEP

Range Forest Officer  
Forest Range Office  
Kasol

Divisional Forest Officer  
Parvati Forest Division  
SHAMSHI



**Full Title of the Project :** Diversion of 0.3442 Ha. of Forest land for Construction of Choj-I SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division at Distt. Kullu (HP)

- **File No:**
- **Proposal No.** : FP/HP/HYD/44581/2020
- **Date of Proposal** : 24-02-2020

### JUSTIFICATION OF ALIGNMENT CHOSEN

#### **Observations**

From the above comparative analysis Route 2 & 3 have not been found suitable for the Diversion of 0.3442 Ha. of total land for Construction of Choj-I SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (H.P.) due to following reasons;

**Alternate 2:** Forest area involved in this route is maximum road accessibility in this route is almost nil in 70% route. Maximum tree cutting is involved in this route. Construction cost will be highest in this route. Forest land diversion cost will be very high.

**Alternate 3:** This is the longest alternative route, Development & construction cost will be on higher side, also found huge loose portion as compared to Route-1, soil type is not suitable for construction.

#### **Recommendations**

The Alternate-1 is recommended for the Diversion of 0.3442 Ha. of total land for construction of Choj-I SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (H.P.)

1. This route is the shortest
2. All the components are on safe places.
3. Least no. of trees under cutting/trimming as compare to other routes.
4. Forest /Govt land involvement is least in this route
5. This line route has been so selected that majority of components locations are on safe locations, reducing thereby proximity to the forest area, habitations, and religious place
6. This alternate is geologically suitable for the construction of various components.

**Authorised Signatory**

*(Signature)*  
Mr. Tej Singh  
J-I (0.50M) SHEP

*(Signature)*  
Range Forest Officer  
Forest Range Officer  
Kullu

*(Signature)*  
Divisional Forest Officer  
Parvati Forest Division  
Shamshi

Full Title of the Project : Diversion of 0.3442 Ha. of Forest land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)

- File No:
- Proposal No. : FP/HP/HYD/44581/2020
- Date of Proposal : 24-02-2020

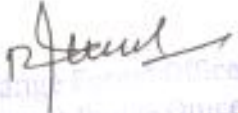
### CHECK LIST SERIAL NUMBER- 12

#### UNDERTAKING FOR PAYMENT OF COST OF COMPENSATORY AFFORESTATION

I Authorized Signatory of M/S Tek Singh (Sole Prop.) , hereby, undertake to pay the entire amount of compensatory afforestation in lieu of forest area for the Diversion of 0.3442 hac.of forest land for Construction of CHOJ-1 (0.50 MW ) SHEP under Parvati forest Division of Distt. Kullu (H.P.) as per the prevailing wage rates at the time of undertaking the plantation activities.

Date:

Place:

  
Range Forest Officer  
Forest Range Office  
Kasol

Authorized Signatory  
Authorized Signatory

M/s Tek Singh (Sole Prop.)  
Choj-1 (0.50 MW) SHEP

#### Countersigned By:-

  
Divisional Forest Officer  
Parvati Forest Division  
Shamshi  
Shamshi Distt Kullu H.P.

Full Title of the Project : Diversion of 0.3442 Ha. of Forest land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)

- **File No:**
- **Proposal No.** : FP/HP/HYD/44581/2020
- **Date of Proposal** : 24-02-2020


### CHECK LIST SERIAL NUMBER- 13

#### UNDERTAKING FOR PAYMENT OF NET PRESENT VALUE OF FOREST AREA

It is to certify that I Authorized Signatory of M/S M/S Tek Singh (Sole Prop.) has applied for the Diversion of 0.3442 Ha. of forest land for Construction of CHOJ-1 (0.50 MW ) SHEP under Parvati forest Division of Distt. Kullu (H.P.). I hereby, undertake to pay the Net Present Value (NPV) of the above forest land.

Date:  
Place:

  
Range Forest Officer  
Forest Range Office  
Kasol

  
Authorized Signatory  
Authorized Signatory  
M/s Tek Singh  
M/S TEK SINGH (Sole Prop.)  
Choj-1 (0.50 MW) SHEP

Countersigned By:-

  
Divisional Forest Officer  
Parvati Forest Division  
Shamshi  
Shamshi Distt Kullu H.P.



Full Title of the Project : Diversion of 0.3442 Ha. of Forest land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)

- File No:
- Proposal No. : FP/HP/HYD/44581/2020
- Date of Proposal : 24-02-2020

#### UNDERTAKING FOR PAYMENT OF ADDITIONAL NET PRESENT VALUE OF FOREST AREA

It is to certify that I authorized signatory of M/S Tek Singh (Sole Prop.). has applied for the Diversion of 0.3442 Ha. of forest land for Construction of 0.50 MW CHOJ-I SHEP under Parvati forest Division of Distt. Kullu (H.P.). I hereby, undertake to pay the Additional amount of Net Present Value (NPV), if so determined as per the decision of the Hon'ble Supreme Court.

Date:

Place:

*[Signature]*  
 Authorized Signatory  
 M/S TEK SINGH  
 M/S TEK SINGH (0.50 MW)  
 Choj-1 (0.50 MW) SHEP  
*[Signature]*  
 Range Forest Officer  
 Forest Range Office  
 Kasol

Countersigned By:-  
 Divisional Forest Officer  
 Parvati Forest Division,  
 Shamshi Distt Kullu H.P.

Full Title of the Project : Diversion of 0.3442 Ha. of Forest land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)

- **File No:**
- **Proposal No.** : FP/HP/HYD/44581/2020
- **Date of Proposal** : 24-02-2020

**Check list no -14**

**UNDERTAKING FOR SUBMISSION OF FRA**

I Authorized Signatory of M/S M/S Tek Singh (Sole Prop.) hereby, undertake to obtain & supply the certificate regarding settlement of forest right in r/o schedule tribes and forest dwellers as per FRA 2006 from Deputy Commissioner Kullu H.P for further processing of the case.

Date:

Place:

  
Range Forest Officer  
Forest Range Office  
Kasol

  
Authorized Signatory

Authorized Signatory

M/s Tek Singh  
M/S TEK SINGH (Sole Prop.)  
CHOJ-1(0.50MW) SHEP

  
Divisional Forest Officer  
Parvati Forest Division,  
Shamshi,

CERTIFICATE

It is certified that 0.3442 hac. of forest land in 1/3 Bhekhalser (DPF) is involved for the construction of CHOJ-1 ( 0.50 MW ) SHEP in favour of Ms Tek Singh. It is also certified that no trees are involved in construction of this project. The aerial distance from proposed MHEP to Kanawar wildlife sanctuary is app. 10.5 Km.

*[Signature]*  
Range Forest Officer  
Forest Range Office  
Kasol

*[Signature]*  
Divisional Forest Officer  
Parvati Forest Division,  
Shamshi.



# **BILL OF NET PRESENT VALUE**

In respect of diversion of forest land **0.3442** hectares for the construction of **Choj-1(0.50 MW)** Small Hydro Electric Project in Kasol Forest Range, Parvati Forest Division Shamshi Distt. Kullu H.P.

Sr. No.	Area to diverted (in Hac)	Rate of open forest net present value proposed for diversion Per Hac.	Amount (in Rs.)	As per GOI new Guidelines No. F. No. 11-438/15-FC (Pt) dated 17-04-2018, 50% of the normal NPV	Net amount Payable
1	0.3442	699000	240596	120298	120298
<b>TOTAL</b>					<b>120298</b>

(Rs. One Laksh Twenty Thousand Two Hundred And Ninety Eight Only)

  
 Range Forest Officer  
 Forest Range Kasol  
 Kasol

  
 Divisional Forest Officer,  
 Parvati Forest Division Shamshi  
 Distt. Kullu H.P.  
 Shamshi

Full Title of the Project : Diversion of 0.3442 Ha. of Forest land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)

- **File No:**
- **Proposal No.** : FP/HP/HYD/44581/2020
- **Date of Proposal** : 24-02-2020

### CHECK LIST SERIAL NUMBER-16

#### SITE INSPECTION REPORT NOT BELOW THE RANK DCF/DFO

(For the forest land to be diverted under FCA)

A proposal has been received by this office from Authorized Signatory of M/S Tek Singh (Sole Prop.) for diversion of 0.344 hec. of forest land for Construction of **CHOJ-1 (0.50MW) SHEP** under Shamshi forest Division of Distt. Kullu (H.P.) for non-forestry purpose. The site inspection of the land involved in the proposal has been done by me on dated...1.7/12/2020

1. On inspection of the site, it was found that the land required by the user agency is a forest area measuring 0.344 Ha.
2. The requirement of the forestland as proposed by the user agency in col. 2 of part-I is unavoidable and is barest minimum as required for the project. Yes
3. Weather any rare/endangered/unique species of flora and fauna found in the area. No
4. Weather any protected archaeological / heritage site/defense establishment or any other important monuments is located in the area. No
5. a) User Agency has not violated the provision of Forest (Conservation) Act, 1980 and no work has been started without the proper sanctions. Yes  
 b) It has been found that the user agency has violated the provision of FCA 1980 Indian Forest Act, 1927 any other Forest Act. NO

Proposal is recommended for the diversion of 0.3442 ha. of Forest land for the construction of **0.50 MW**

**CHOJ-1 SHEP**

Place...Kully

Date.....

  
 Divisional Forest Officer  
 Parvati Forest Division  
 Shamshi District Kullu H.P.

Full Title of Project: Diversion of 0.3442 Ha. of Forest Land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhuntar, Parvati Forest Division, Shamshi at Distt. Kullu (H.P.)

File No. :  
 Proposal No. : FP/HP/HYD/44581/2020  
 Date of Proposal : 24/02/2020

### CHECK LIST SERIAL NUMBER: 17

### LOCATION MAP

Location Map of Non Forest/Degraded Forest Area identified for Compensatory Afforestation in lieu of proposal for diversion of  $0.3442 \times 2 = 0.6884$  or say 0.70 ha. of forest land for the construction of Choj-1 SHEP(0.50 MW) SEHP in Kullu District.

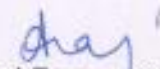
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Village: Choj / 1/3Bhekhalsar	Tehsil : Bhuntar	District: Kullu
Forest Division;	Parvati at Shamshi	Forest Range:- Kasol
Block No./Compartment No./Survey No.:- 1/3 Bhekhalsar/ 52H/8	Area: 0.70 Ha.	

---

Map attached of the area to be taken for Compensatory Afforestation

  
 Range Forest Officer  
 Forest Range Officer  
 Kasol Forest Range

  
 Divisional Forest Officer  
 Parvati Forest Division Shamshi,  
 District Kullu, H.P.  
 Shamshi



**Full Title of Project:** Diversion of 0.3442 Ha. of Forest Land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhuntar, Parvati Forest Division, Shamshi at Distt. Kullu (H.P.)

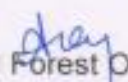
File No. :  
Proposal No. : FP/HP/HYD/44581/2020  
Date of Proposal : 24/02/2020

### LAND BANK CERTIFICATE

In respect of diversion of diversion of  $0.3442 \times 2 = 0.6884$  or say 0.70 ha. forest land for the construction of Choj-1 SHEP (0.50 MW) SEHP in **Kullu** District, Forest Range Kasol, Parvati Forest Division Shamshi, Kullu

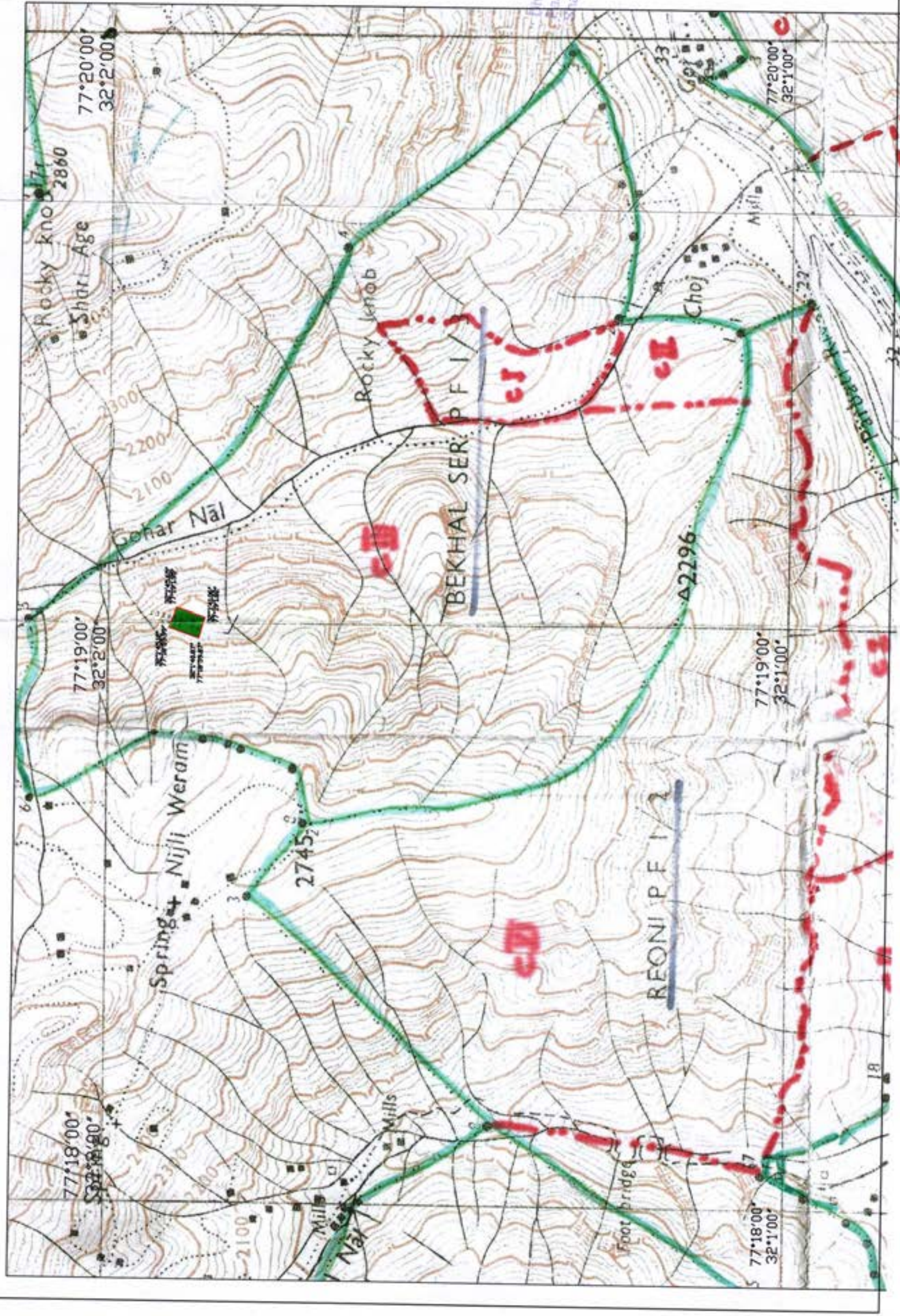
Certified that 0.70 hec. area selected for CA in 1/3 Bhekhelser (52H/8) is an identified compact land bank. The area is suitable from protection and management point of view.

  
Range Forest Officer  
Forest Range Officer  
Kasol Forest Range

  
Divisional Forest Officer  
Parvati Forest Division Shamshi,  
District Kullu, H.P.



# COMPENSATORY AFFORESTATION DIGITAL MAP OF CHOJ-1 SHEP 0.500MW IN KULLU DISTT (H.P.) CA NO-1/3 BHEKHALSER(0.70HECT)



*P. J. J.*  
Range Forest Officer  
Forest Division  
Kullu

*Chaj*  
Divisional Forest Officer  
Kullu Forest Division  
Kullu



LOCATION MAP OF COMPENSATORY AFFORESTATION AREA  
 CHOJ-1 SHEP 0.500MW IN KULLU DISTT (H.P.)  
 SOI NO-52H/8



*P. Singh*  
 Range Forest Officer  
 Forest Range Office  
 Kasol

*Devi*  
 Divisional Forest Officer  
 Parvati Forest Division,  
 Shimla



## Check List Sr. No-18

Detailed Scheme for Compensatory Afforestation to be carried out for the diversion of 0.3442 hac of forest land for the construction of Choj-I SHP within the jurisdiction under Forest Range Kasol, Parvati Forest Division at Shamshi. (Total 700 trees / plants to be planted over 0-70 hectare). (COST MODEL: 1000 PLANTS PER HECTARE)

Sr. No.	Particulars of Works	Unit	Qty.	Mandays involved	Amount at wage rate of Rs. 275/- for non Tribal areas.
<b>A</b>	<b>Survey, Demarcation &amp; Fencing</b>				
1	Survey and demarcation of plantation area	Hec.	1	0.67	184.25
2	Preparation/ Purchase of RCC fence post	Nos.	50	Rs.358.00 per No.	17900.00
3	Carriage of RCC Fence Post upto 165 cm long over a distance of 2KM uphill/downhill	Nos.	50	22.33	6140.75
4	Preparation/Digging of holes of 20x30x50xcm for fixing of fence	Nos.	50	3.02	830.50
5	Fixing of RCC fence posts in concrete i/c strutting	Nos.	50	2.39	657.25
6	Carriage of B/wire over distance 2Km uphill/downhill	per Km per qntl.	0.75	0.74	203.50
7	Stretching and fixing of Barbed wire in 4 stands	Rmt.	600	19.2	5280.00
8	Interlacing of thorny bushes along the fence	Rmt.	150	4.09	1124.75
9	Cost of Barbed wire	Qntl.	0.75	Rs.6510.00 per Qntl..	4882.50
<b>Total-A/Survey, Demarcation &amp; Fencing</b>					<b>37203.50</b>
<b>Or Say</b>					<b>37204.00</b>
<b>B</b>	<b>Planting</b>				
1	Bush cutting in strip (3mX3m)	Hec.	1	7.95	2186.25
2	Digging of pits of 45x45x45cm size	Nos.	1000	63.60	17490.00
3	Filling of pits of 45x45x45cm size	Nos.	1000	18.13	4985.75
4	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	1000	25.33	6965.75
5	Planting of plants raised in P/bags	Nos.	1000	14.53	3995.75
6	Construction of Inspection Path	Rmt.	100	7.33	2015.75
7	Cost of Sign Board, Carriage & Fixing	No.	1	LS	450.00
<b>Total:- B/Planting</b>					<b>38089.25</b>
<b>Or Say</b>					<b>38090.00</b>
<b>C</b>	Cost of P/bags plants	Nos.	1000	19.78	19780.00
<b>Total Cost of New Plantation (A+B+C)</b>					<b>95074.00</b>
<b>Or Say</b>					<b>95080.00</b>

<b>D 1st Year Maintenance ( 30% Beating up)</b>					
1	Re-digging of pits 45x45x45 cm	Nos.	300	9.53	2620.75
2	Filling of pits 45x45x45cm	Nos.	300	5.43	1493.25
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill/plant	Nos.	300	4.36	1199.00
4	Planting of plants raised in P/bags	Nos.	300	7.60	2090.00
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	300	19.78	5439.50
<b>G. Total</b>					<b>13040.50</b>
<b>Or Say</b>					<b>13050.00</b>
<b>2nd Year Maintenance (20% Beating up)</b>					
1	Re-digging of pits 45x45x45 cm	Nos.	200	6.36	1749.00
2	Filling of pits 45x45x45cm	Nos.	200	3.62	995.50
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	200	2.90	797.50
4	Planting of P/bags plants	Nos.	200	5.06	1391.50
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	No.	200	19.78	5439.50
<b>G. Total</b>					<b>10571.00</b>
<b>Or Say</b>					<b>10580.00</b>
<b>3rd Year Maintenance (10% Beating up)</b>					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
<b>Total</b>					<b>8129.00</b>
<b>Or Say</b>					<b>8130.00</b>
<b>4th Year Maintenance (10% Beating up)</b>					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
<b>Total</b>					<b>8129.00</b>
<b>Or Say</b>					<b>8130.00</b>
<b>5th Year Maintenance (10% Beating up)</b>					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
<b>Total</b>					<b>8129.00</b>
<b>Or Say</b>					<b>8130.00</b>



6th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00
7th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00
8th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00
9th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00
10th year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00



Total:- D/Maintenance Cost of 10 years	88670.00
Total Cost of New Plantation + Maintenance for 1000 plants per Hectare	183750.00
Area to be taken for Diversion (In Hectare)	0.3442
Area to be taken for Compensatory Afforestation (0.3442 Hectare X 2 Times)	0.7000
Tree to be Planted Per Hectare	1000
Tree to be Planted in Total Compensatory Afforestation Area	700
Cost of Compensatory Afforestation	128625.00
Increase in wages rate @ 20%.	25725.00
<b>Total</b>	<b>154350.00</b>
Departmental Charges @ 17.50%	22509.38
Contingency charges @ 5%.	7717.50
<b>Grand Total</b>	<b>184576.88</b>
<b>Or Say</b>	<b>184780.00</b>
(Rupees One Lakhs Eighty Four Thousand and Seven Hundred Eighty Only)	

  
 Range Forest Officer  
 Kasol Forest Range

  
 Divisional Forest Officer  
 Parvati Forest Division at Shamshi

**Full Title of Project:** Diversion of 0.3442 Ha. of Forest Land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhuntar, Parvati Forest Division, Shamshi at Distt. Kullu (H.P.)

File No. :  
 Proposal No. : FP/HP/HYD/44581/2020  
 Date of Proposal : 24/02/2020


### CHECK LIST SERIAL NUMBER: 20

#### "LAND SUITABILITY CERTIFICATE BY DFO (T)"

This is to certify that **0.70 ha.** land bearing Survey No./ Compartment No **52H/8 (1/3 Bhekhalsar)** of village **Choj** Tehsil **Bhuntar** District **Kullu**, HP identified for Compensatory Afforestation is suitable for plantation from management point of view and is free and all sorts of encumbrances and encroachments

Place : Kullu Shamshi  
 Dated : .....

  
 Forest Range Officer  
 Kasol Forest Range

  
 Divisional Forest Officer  
 Parvati Forest Division Shamshi,  
 District Kullu, H.P.

**Certificate of Non-Availability of land for Compensatory Afforestation in the District Kullu.**

No: 2344...../DRA

Dated: 31-12-2019.....

I, Dr. Richa Verma, Collector of District Kullu do hereby certify that:

- (i) Relevant records pertaining to non-forest land, revenue lands, *zudpi jungle, chhote jhar ka jungle, bade jhar ka jungle, jhari-land, civil-soyam* lands and all other such categories of forest lands (except the forest land under management and administrative control of the Forest Department) on which the provisions of Forest (Conservation) Act, 1980 are applicable, available in each Sub-Division of this District have been examined; and
- (ii) I have also conducted such further enquiry as is required to satisfy myself for issue of this certificate.

On the basis of examination of all relevant records and such further enquiry, as was required for issue of this certificate, I do hereby certify that non-forest land, revenue lands, *zudpi jungle, chhote jhar ka jungle, bade jhar ka jungle, jungle jhari-land, civil-soyam* lands and all other such categories of forest lands (except the forest land under management and administrative control of the Forest Department) on which the provisions of Forest (Conservation) Act, 1980 are applicable, which as per the extant guidelines of the Central Government may be utilized for creation of compensatory afforestation in lieu of forest land diverted for non-forest purpose, is not available in the entire Kullu District. This Certificate is being issued in favour of M/s Tek Singh Sole proprietor, Choj-I SHEP (0.5MW), for the construction of 0.5MW Choj-I SHEP in Tehsil Bhuntar Distt. Kullu (HP) under the jurisdiction of Forest Range, Kasol Divisional Forest Officer, Parvati Forest Division, Shamshi District Kullu (HP) which 0.3442 hectare Forest land is acquired in Tehsil Bhuntar District Kullu (HP).

Issued under my hand and seal on this 31st.....day of December, 2019.

*R. Verma*  
Range Forest Officer  
Forest Range Office  
Kasol

*dy*  
Divisional Forest Officer  
Parvati Forest Division  
Shamshi

*Richa Verma*  
(Dr. Richa Verma, IAS)  
District Collector  
Kullu  
*ce*



Full Title of the Project : Diversion of 0.3442 Ha. of Forest land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)

- File No:
- Proposal No. : FP/HP/HYD/44581/2020
- Date of Proposal : 24-02-2020


### Check List No 28

#### Dumping Sites and Reclamation Plans

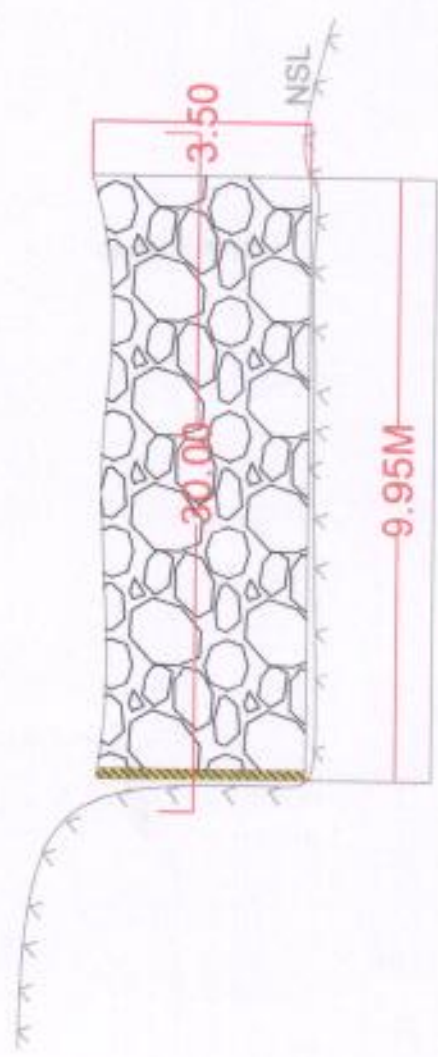
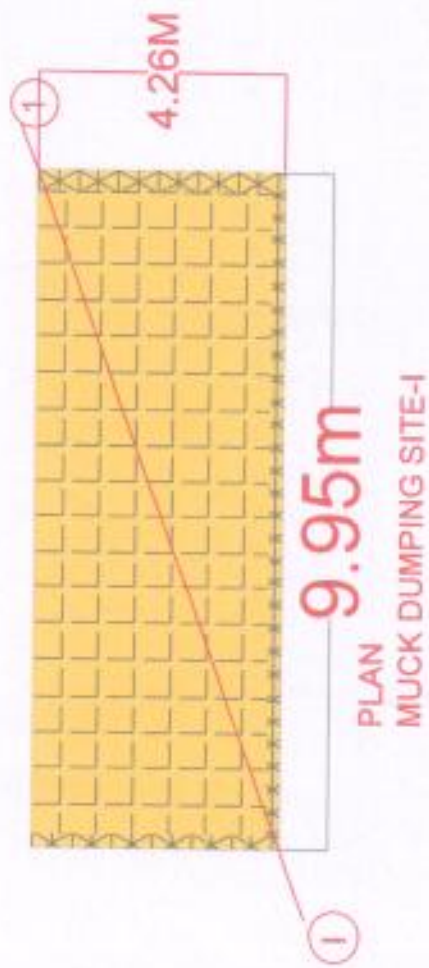
There is muck Generation, hence muck dumping sites are required. Detailed Reclamation plan along with Muck Dumping sites & their cross section has been attached.

  
Range Officer  
Forest Range Office  
Kasol

  
Authorized Signatory  
Authorized Signatory

  
M/S. TEK SINGH (SOLE PROP.)  
i-1 (0.50M) SHEP  
CHOJ-1 SHEP (0.50 MW)

  
Divisional Forest Officer  
Parvati Forest Division,  
Shamshi



AREA-9.95MX4.26M  
=42.38M<sup>2</sup>  
H-3.50M  
QTY=42.38M<sup>2</sup>X3.50M  
=148.35M<sup>3</sup>

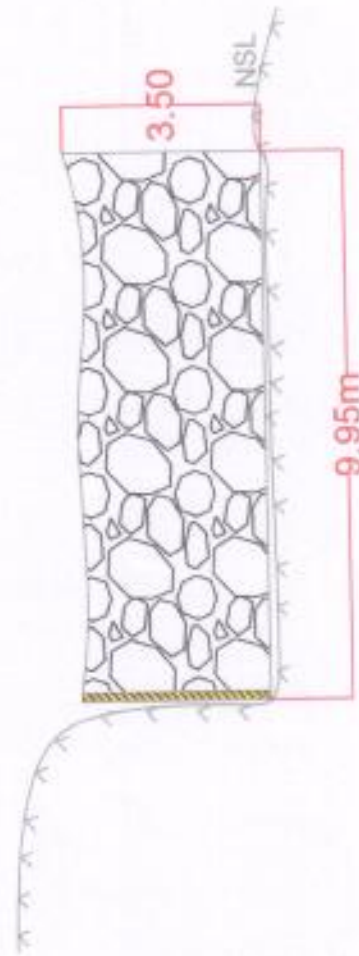
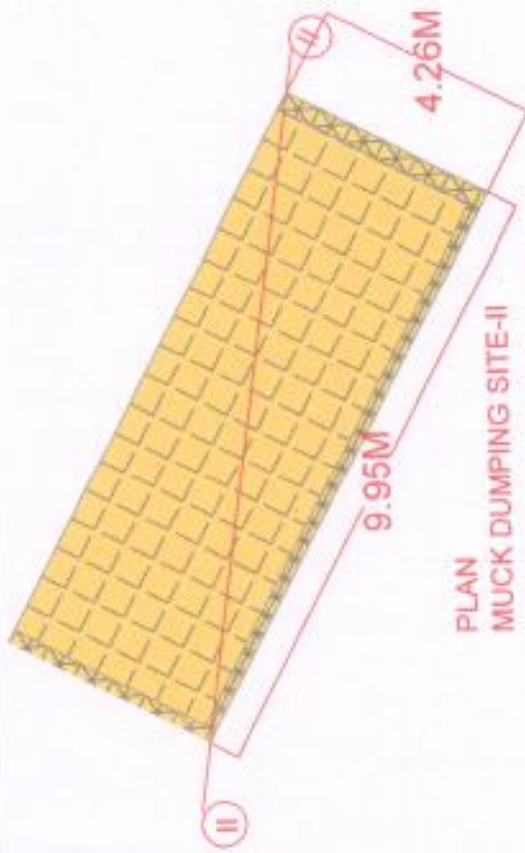
DETAIL OF MUCK DUMPING  
SITE-I NEAR WEIR SITE

M/S Tek Singh  
CHOJ-1 SHEP 0.50MW

Authorised Signatory

M/s Tek Singh  
Choj-I (0.50M) SHEP

वन परिक्षेत्र अधिकारी  
वन परिक्षेत्र कार्यालय



AREA-9.95MX4.26M  
=42.38M<sup>2</sup>  
H-3.50M  
QTY=42.38M<sup>2</sup>X3.50M  
=148.35M<sup>3</sup>

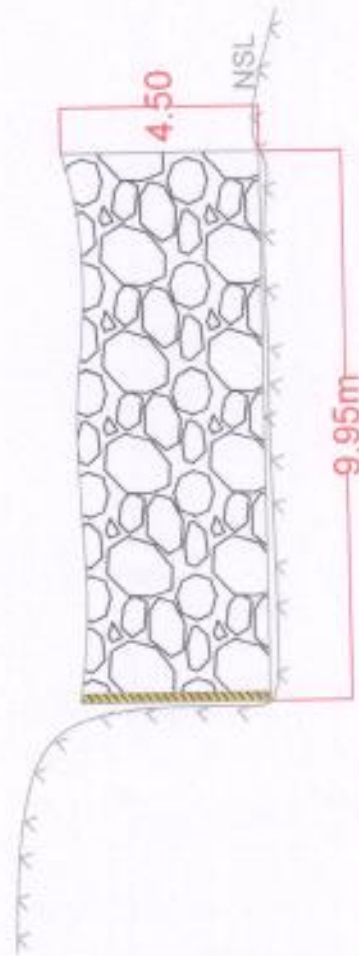
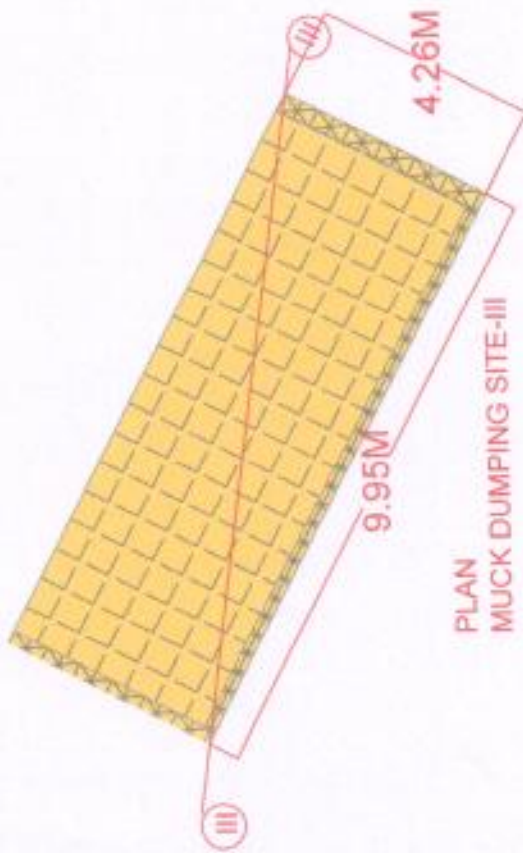
DETAIL OF MUCK DUMPING  
SITE-II NEAR DESILT TANK

CHOJ-1 SHEP 0.50MW  
M/S TEK SINGH

Authorised Signatory  
M/s Tek Singh  
Choj-I (C. 50M) SHEP

वन पार्खेत्र आधिकारी  
वन परिक्षेत्र कार्यालय





SECTION III-III

AREA-9.95MX4.26M  
=42.38M<sup>2</sup>  
H-4.50M  
QTY=42.38M<sup>2</sup>X4.50M  
=190.74M<sup>3</sup>

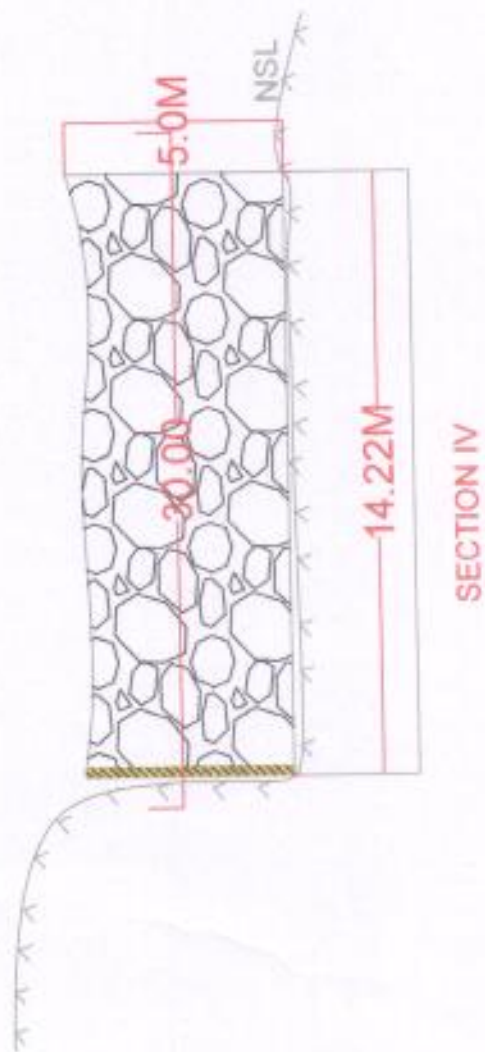
DETAIL OF MUCK DUMPING  
SITE-III NEAR PENSTOCK

CHOJ-1 SHEP 0.50MW  
M/S TEK SINGH

Authorised Signatory

M/s Tek Singh  
Choj-1 (C. 50M) SHEP

वन परियोजना अधिकारी  
वन परिवेश कक्षा



AREA-14.22MX9.95M  
=141.48M<sup>2</sup>  
H-5.0M  
QTY=141.48M<sup>2</sup>X5.0M  
=283.32M<sup>3</sup>

DETAIL OF MUCK DUMPING  
SITE-IV NEAR POWER  
HOUSE SITE  
M/S Tek Singh  
CHOJ-1 SHEP 0.50MW

Authorised Signatory

M/s Tek Singh  
Choj-I (0.50M) SHEP

20/11/20  
आधिकारी  
वन परिवेश कर्मचारी





(Revised)

Homeyure-J

60

BILL FOR RECLAMATION PLAN							
In respect of diversion of Forest land for construction of Choj-I SHEP (0.5MW) in favour M/S Tek Singh area falling in Kasol Forest Range, Parvati Forest Diversion Shamshi, Distt. Kullu H.P							
Sr. No.	Dumiping Site No.	Length	Width	Area in Sgm	Area in Ha.	Fence post	
1	Dumping Site-1	9.95	4.26	42.39	0.004	9	Nos.
2	Dumping Site-2	9.95	4.26	42.39	0.004	9	Nos.
3	Dumping Site-3	9.95	4.26	42.39	0.004	9	Nos.
4	Dumping Site-4	14.22	9.95	141.49	0.014	16	Nos.
	Total				0.026	45	Nos.
		Total Area		0.026	hectare		
Sr. No.	Particulars of Work	Quantity		Rate per Unit at the wage rate of Rs. 150/-	Amount @ Rs 150/- for Non-Tribal areas	Man Days Involved	Amount at the wage rate of Rs 300/- for Non-Tribal areas
A SURVEY, DEMARCATION & FENCING							
1	Survey & demarcation of plantation area	0.026	hec.	101	3	0.02	6
2	Preparation / purchase of RCC fence posts	45	Nos.	250	11133		11133
3	Carriage of RCC fanc posts upto 165 cm long over distance 2 km uphill/downhill	45	Nos. / km	33.5	2984	19.89	5967
4	Preparation /digging of holes of 20x30x50 cm size	45	Nos.	9.06	403	2.69	807
5	Fixing of RCC fence posts including strutting	45	Nos.	7.16	319	2.13	638
6	Carriage of barbed wire over distance 2 km uphill/downhill	0.76	Qtls./ km	73.65	112	0.75	225
7	Stretching & fixing of barbed wire in 4 strands	534.4	Rmt.	4.8	2565	17.10	5130
8	Interlacing of Thorny Bushes along the fence	133.6	Rmt.	4.09	546	3.64	1093
9	Cost of Barbed Wire	0.76	Qtls.	6510	4970		4970
	Total-A/ Survey, Demarcation & Fencing						29969
	Or Say Rs						30000
B PLANTING :-							
1	Bush Cutting in Strips (3mx3m)	0.026	hec.	1192.8	31	0.21	62
2	Digging of pits of 45x45x45 cm size	29	Nos.	9.54	273	1.82	545

3	Filling of pits of 45x45x45 cm size	29	Nos.	2.72	78	0.52	155
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	29	Nos.	1.9	109	0.72	217
5	Planting of plant Raised in P/Bags	29	Nos.	2.18	62	0.42	125
6	Construction of Inspection Path	100	Rmt.	11	1100	7.33	2200
7	Cost of sign Board Carriage & Fixing		No.	l/s	450	7	3150
Total- B/ Planting							6454
Or Say Rs							6460
<b>Grand Total (A+B)</b>							<b>36460</b>
	Cost of plants (22-00 per plant)	29	Nos.				629
<b>Grand Total</b>							<b>37089</b>
<b>Or Say Rs</b>							<b>37100</b>
<b>C 1st Year maintenance (30% Beating up)</b>							
1	Re-digging of pits of 45x45 cm size	9	Nos.	4.77	41	0.27	82
2	Filling of pits 45x45x45 cm	9	Nos.	2.72	23	0.16	47
3	Planting of plants raised in P/Bags	9	Nos.	2.18	19	0.12	37
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	9	Nos./Km	1.9	33	0.22	65
5	Repair of B/Wire fencing	160.32	Rmt.	1.8	289	1.92	577
6	Cost of plants (22-00 per plant)	9	Nos.	22	189		189
<b>Total</b>							<b>997</b>
<b>Or Say Rs</b>							<b>1000</b>
<b>D 2nd Year maintenance (20% Beating up)</b>							
1	Re-digging of pits of 45x45 cm size	6	Nos.	4.77	27	0.18	55
2	Filling of pits 45x45x45 cm	6	Nos.	2.72	16	0.10	31
3	Planting of plants raised in P/Bags	6	Nos.	2.18	12	0.08	25
4	Carriage of plants in P/Bags over distance 2	6	Nos./Km	1.9	22	0.14	43
5	Repair of B/Wire fencing	106.88	Rmt.	1.8	192	1.28	385



6	Cost of plants (22-00 per plant)	6 Nos.	22	126		126
<b>Total</b>						<b>664</b>
<b>Or Say Rs</b>						<b>700</b>
<b>E</b>	<b>3rd Year maintenance (10% Beating up)</b>					
1	Re-digging of pits of 45x45 cm size	3 Nos.	4.77	14	0.09	27
2	Filling of pits 45x45x45 cm	3 Nos.	2.72	8	0.05	16
3	Planting of plants raised in P/Bags	3 Nos.	2.18	6	0.04	12
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	3 Nos./Km	1.9	11	0.07	22
5	Repair of B/Wire fencing	53 Rmt.	1.8	96	0.64	192
6	Cost of plants (22-00 per plant)	3 Nos.	22	63		63
<b>Total</b>						<b>332</b>
<b>Or Say Rs</b>						<b>350</b>
<b>F</b>	<b>4th Year maintenance (10% Beating up)</b>					
1	Re-digging of pits of 45x45 cm size	3 Nos.	4.77	14	0.09	27
2	Filling of pits 45x45x45 cm	3 Nos.	2.72	8	0.05	16
3	Planting of plants raised in P/Bags	3 Nos.	2.18	6	0.04	12
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	3 Nos./Km	1.9	11	0.07	22
5	Repair of B/Wire fencing	53.44 Rmt.	1.8	96	0.64	192
6	Cost of plants (22-00 per plant)	3 Nos.	22	63		63
<b>Total</b>						<b>332</b>
<b>Or Say Rs</b>						<b>350</b>
<b>G</b>	<b>5th Year maintenance (10% Beating up)</b>					
1	Re-digging of pits of 45x45 cm size	3 Nos.	4.77	14	0.09	27
2	Filling of pits 45x45x45 cm	3 Nos.	2.72	8	0.05	16
3	Planting of plants raised in P/Bags	3 Nos.	2.18	6	0.04	12
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	3 Nos./Km	1.9	11	0.07	22
5	Repair of B/Wire fencing	53.44 Rmt.	1.8	96	0.64	192





	Or Say Rs						350
<b>K</b>	<b>9th Year maintenance (10% Beating up)</b>						
1	Re-digging of pits of 45x45 cm size	3	Nos.	4.77	14	0.09	27
2	Filling of pits 45x45x45 cm	3	Nos.	2.72	8	0.05	16
3	Planting of plants raised in P/Bags	3	Nos.	2.18	6	0.04	12
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	3	Nos./Km	1.9	11	0.07	22
5	Repair of B/Wire fencing	53.44	Rmt.	1.8	96	0.64	192
6	Cost of plants (22-00 per plant)	3	Nos.	22	63		63
	<b>Total</b>						<b>332</b>
	<b>Or Say Rs</b>						<b>350</b>
<b>L</b>	<b>10th Year maintenance (10% Beating up)</b>						
1	Re-digging of pits of 45x45 cm size	3	Nos.	4.77	14	0.09	27
2	Filling of pits 45x45x45 cm	3	Nos.	2.72	8	0.05	16
3	Planting of plants raised in P/Bags	3	Nos.	2.18	6	0.04	12
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	3	Nos./Km	1.9	11	0.07	22
5	Repair of B/Wire fencing	53.44	Rmt.	1.8	96	0.64	192
6	Cost of plants (22-00 per plant)	3	Nos.	22	63		63
	<b>Total</b>						<b>332</b>
	<b>Or Say Rs</b>						<b>350</b>
	Total Maint. (C to L)						4500
	Total New planting & Maint						41600
	Soil conservation works						25000
	<b>Sub Total</b>						<b>66600</b>
	Add 17.50% Department charges						11655
	Add 5% contingency charges						3330
	<b>Grand Total</b>						<b>81585</b>
	<b>Or Say</b>						<b>81600</b>
	<b>Eighty one Thousand six hundred Only</b>						

Deputy Conservator of Forests,  
Parvati Forest Division at Shamshi.

Full Title of the Project : Diversion of 0.3442 Ha. of Forest land for Construction of Choj-1 SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)

- **File No:**
- **Proposal No.** : FP/HP/HYD/44581/2020
- **Date of Proposal** : 24-02-2020

**DETAILED REPORT ON VOILATION OF PROVISION OF FOREST ACT**

S. No	Description	Remarks
1	The extent (in hectare) of forest land broken/ encroached and the number of trees illicitly felled	-
2	Name and designation of the official / person who are prima-facie responsible for the contravention of the act, supported by the requisite documents.	No official person is liable as no violation has been done.
3	In case, it is not possible to fix the responsibilities for commission/ omission of any action leading to violation of the provision of the act, full explanation with the support of the documents to be appended.	-NA-
4	Detailed action taken by DFO against illicit felling/ encroachment/ illegal mining etc. under the provision of IFA-1927/PLPA-1900/other State Acts, etc.	-NA-

Date:

Place:

*[Signature]*  
Range Forest Officer  
Forest Range Office  
Kasol

**Authorized Signatory**

Authorized Signatory

M/S TEK SINGH  
M/s Tek Singh  
Choj-1 (0.50 MW)  
Choj-1 (0.50M) SHEP

*[Signature]*  
Countersigned By:-

Divisional Forest Officer

Parvati Forest Division

Shamshi Distt Kullu H.P.



Full Title of the Project : Diversion of 0.3442 Ha. Of Forest land for Construction of Choj-I SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division at Distt. Kullu (HP)

- File No:
- Proposal No. : FP/HP/HYD/44581/2020
- Date of Proposal : 24-02-2020

### UNDERTAKING

I Tilak Raj Thakur Authorized Signatory of M/S Tek Singh (Sole Prop.), hereby undertake to obtain and supply TEC & IA of Choj-I SHEP (0.50MW) from Govt. of Himachal Pradesh. Presently TEC is under consideration with DOE, HP Shimla, as and when received, the same will be submitted to your office before the final approval is granted.

**Authorized Signatory**

*Tilak Raj Thakur*  
M/s Tek Singh

Choj-I (0.50M) SHEP  
M/S Tek Singh (Sole Prop.)

Choj-I SHEP (0.50MW)

*Amal*  
Range Forest Officer  
Forest Range Office  
Kasul

*Shay*  
Range Forest Officer  
Parvati Forest Division  
Shamshi

Full Title of the Project: Diversion of 0.3442 Ha. of Forest land for Construction of Choj-I SHEP 0.50 MW, Tehsil Bhunter Parvati Forest Division Shamshi at Distt. Kullu (HP)

- File No:
- Proposal No. : FP/HP/HYD/44581/2020
- Date of Proposal : 24-02-2020

### CHECK LIST SERIAL NUMBER-32

#### COMPONENT -WISE TOTAL AREA REQUIREMENT

TOTAL LAND REQUIREMENT OF CHOJ-I SHEP								
Sr. No.	Name of the component	Khasra No/ Tukra No.	Mahal	Lengh	Width	Forest Land (sq.Meter)	Private Land (sq.Meter)	Area (Ha.)
1	Weir Site	1	Manikaran	19.908	9.954	198.1642		0.0198
2	Water Channel	2	Manikaran	59.724	1.42	84.927		0.0085
3	Muck Dumping -1	3	Manikaran	9.954	4.266	42.46376		0.0042
4	D Tank cum Foreway	4	Manikaran	19.908	11.376	226.4734		0.0226
5	Penstock	5	Manikaran	989.712	1.42	1407.340		0.1408
6	Muck Dumping- 2	6	Manikaran	9.954	4.266	42.46376		0.0042

7	Muck Dumping-3	7	Manikaran	9.954	4.266	42.46376		0.0042
8	Power House	8	Manikaran	25.596	15.642	400.3726		0.04
9	Tail Race	9	Manikaran	15.642	1.422	22.24292		0.0022
10	Muck Dumping-4	10	Manikaran	14.22	9.954	141.5459		0.0142
11	Switch Yard	11	Manikaran	39.816	19.908	792.6569		0.0793
12	Interconnection Point	12	Manikaran	7.11	5.688	40.44168		0.004
						3442		.3442

**TOTAL LAND REQUIREMENT**

3442 Sqm Say in Hect. 0.3442

*[Signature]*  
 Range Forest Officer  
 Forest Range Office  
 Kasol

*[Signature]*  
 Authorised Signatory

M/S TEK SINGH  
 M/s Tek Singh  
 Chhol (C-50M) SHEB (60 MW)

Countersigned By:-

*[Signature]*  
 Divisional Forest Officer  
 Parvati Forest Division,  
 Shamshi

Parvati Forest Division Shamshi, Kullu H.P



69.

**HIMURJA**  
**(H.P. GOVT. ENERGY DEVELOPMENT AGENCY)**  
**SHIMLA: - 171 009.**

Regd.

No. HIMURJA/ SHP/Choj-I (42)/2016-

5835

Dated: 29-6-2017

To

M/s. Tek Singh,  
S/o Sh. Hem Singh, VPO Shialh, Tehsil Bhutar,  
Distt. Kullu-175141

**Subject: -** Consent for exclusive time bound right for preparation of Project Report for the Small Hydel Project Choj-I (0.15MW) in Kullu District, Himachal Pradesh:- Submission of feasibility report of (0.30MW) capacity.

Dear Sir,

This is in reference to your letter No. nil dated nil vide which Feasibility Report in respect of Choj-I SHEP in District Kullu has been submitted to Himurja. After examining the Feasibility Report, the parameters are frozen as under:

Sr. No	Name of Project	River/ Stream	District	Elevation (Diversion race)	Range to Tail	Capacity	Tentative Land Required
							Forest/ Private Land
1	Choj-I	Gohar	Kullu	EL±1765m to ±1584m PII -1585m L/B		0.30MW	0.531 Hac.

It is further stated that the approval of the Feasibility Report (FR) of Choj-I SHEP in District Kullu shall be subject to the following conditions:-

1. There shall be no change in the elevations from the elevation frozen in the FR.
2. Observed Discharge data has been shown for the period even project was not allotted, which can not be accepted. Discharge data has to be observed for optimization of capacity in the DPR, and submit regularly to this office alongwith Photographs of discharge observatory.
3. Evacuation point has to be got finalized from HPSEBL/HPPTCL, However the land for transmission has been included in the Land requirement.
4. As per laid down guidelines riparian distance of 50 mtrs elevation wise or 250m horizontal distance is to be maintained between upstream and downstream projects to allow visible flow of water in the stream/Nalla while carrying out detailed survey/studies, but it is not demonstrated in the FR. The same should be followed strictly, failing which the allotment is liable to be cancelled for violation of the same.
5. Elevations of each component must be marked in the Contour plan and should also be included in the salient feature after carrying proper survey. Copy of which is also to be forwarded to Himurja. Tail race is not clear in Feasibility Report so, the tail water discharge must fall in Choj nala.

Therefore, you may go ahead for obtaining various clearances/NOCs on the basis of parameters frozen herein above.

Authorised Signatory

M/s. Tek Singh  
Choj-I (0.30M) SHEP  
M/s. Tek Singh S/o Sh. Hem Singh  
V.P.O. Shialh Tehsil Bhutar,  
Distt. Kullu (H.P.)-175141  
Mob. : 82198-51963

Yours Sincerely,

(Er K. L. Thakur)  
Director  
Himurja, Shimla-171009



Koyal Post 70.



H.P. Govt. Energy Development Agency  
HIMURJA, Urja Bhawan SDA Complex Kasumpti Shimla-171009  
PHONE-177-2620365, 2621783, 2625306, 2621623, FAX 177-2622635

No. HIMURJA/ SHP/ Choj-1 ( 42 )/2016 13145 Dated: 19-12-2016

To  
M/s Tek Singh S/o Sh Hem Singh Village &  
Post Office Shiah, Tehsil Bhuntar, Distt  
Kullu-175141

Sub:- Consent for exclusive time bound right for preparation of Project Report for the Small Hydel Project Choj-1 ( 0.15 ) MW in Kullu District, Himachal Pradesh.

Dear Sir,

I am directed to inform that after considering your application for the SIP, the State Government has consented to give you the exclusive right for preparation of DPR for subsequent implementation of SHP in H.P. The details of the project for which consent has been granted is as below:-

Sr. No.	Name of the Project	River/ Stream	Distt.	Elevation Range (Diversion site to Tail race)	Estimated Capacity (MW)
1	Choj-1	Gohar Nala	Kullu	± 1765 -1580 m	0.15

#### 1. FR FINALISATION

The IPP shall submit a comprehensive Feasibility Report (FR) to Himurja prepared by a reputed consultant within six months of issuance of this letter along with the credential of the consultant. Feasibility Report (FR) shall be based on actual Survey & Investigation containing site detail, hydrological data, location of project components, power studies for capacity determination, land requirements, layout plan, single line diagram, E & M equipment specifications and cost analysis etc. Extension of three (3) months subject to deposition of extension fee @ Rs 10,000/- per MW per month is allowable. If the IPP fails to submit Feasibility Report within extended period project is liable to be cancelled.

2. IPP shall have to deposit security, processing fee, upfront premium based on the allotted capacity within two months from the date of issuance of this consent.

#### 2.1. SECURITY (REFUNDABLE)

The Security charges (refundable) in the shape of Demand draft is to be furnished in favour of "DIRECTOR HIMURJA" payable at Shimla @ Rs. 50,000/- per MW. If the requisite documents such as PFR, Upfront premium and post allotment processing fee etc. as prescribed in the consent letter are not deposited in time, the project shall be cancelled and this amount will be forfeited. This amount will also be used as performance guarantee for different milestones and adjusted against extension charges that may have become due and were not paid in case of cancellation of project at any stage.

The above security shall be refundable to IPP after signing of IA.

Signature  
M/s Tek Singh  
Choj-1 (0.15 MW) SHEP

M/s. Tek Singh S/o Sh. Hem Singh  
V.P.O. Shiah Tehsil Bhuntar  
Distt. Kullu (H.P.)-175141  
Mob.: 82198-51963



## 2.2 PROCESSING FEE (NON-REFUNDABLE)

Furnishing of the Processing Fee (non-refundable) in shape of Demand Draft in favour of "Director, HIMURJA" payable at Shimla. The processing fee for Himachali, Cooperative society/Company comprising of the bonafide Himachalis shall be Rs. 25,000/- upto 2 MW and beyond 2.00 MW upto 5 MW @ Rs.25,000/- + Rs.10,000/- per MW (for the capacity exceeding 2 MW). For others i.e. Non- Himachalis the processing fee shall be Rs. 2.00 lac per Project.

If an IPP enhances the capacity of already allotted Project after Technical Concurrence/ signing of IA, then the IPP shall be required to furnish the processing fee afresh at the rate specified above.

## 2.3 (a) UP-FRONT PREMIUM (NON REFUNDABLE)

Upfront premium (Non-refundable) shall have to be furnished in shape of Demand Draft in favour of Director Himurja, payable at Shimla.

Up-front premium shall be charged in two stages-

- i) @ Rs.45000/- per MW at the time of allotment of the project i.e within two months from the date of this consent letter and
- ii) Balance upfront premium @ Rs. 45000/- per MW at the time of signing of the IA.

Whereas for projects upto 2 MW upfront premium is exempted

2.3 (b) If after enhancement of capacity the capacity of the project remains upto 5 MW the IPP shall have to pay upfront premium @ Rs 90,000/- per MW on whole capacity.

3. The IPP shall carry out the requisite detailed investigations and techno-economic studies of the Project and shall submit a Detailed Project Report to HIMURJA within a period of 24 months from the date of issue of this consent letter in consideration to Hydro Power Policy 2006 and its subsequent amendments from time to time.
4. The IPP shall submit monthly discharge data and quarterly overall progress reports to Himurja on the Proforma attached at Annexure- 'A' & 'B'.
5. Following milestones shall be binding on the IPP:-

Sr. No.	Milestones	Time Period
1	Feasibility Report Submission	Within six months from the date of Consent Letter before preparation of DPR. Feasibility Report (FR) shall be based on actual Survey & Investigation containing site detail, hydrological data, location of project components, power studies for capacity determination, Land requirements, Layout plan, single line diagram, E & M equipment specifications. Extension of three months with extension fee @ Rs. 10,000/- per MW per month. Consequences- Cancellation of project.
2	Feasibility Report Approval	Himurja will approve the Feasibility Report within two months from its submission or within 11 months (including extension obtained for submission of feasibility report if any) from the issue of consent letter.

Authorised Signatory

Page 2 of 9

M/s. Tak Singh  
S/o Sh. Hem Singh  
V.P.O. Shah Tehsil Bhuntar  
Distt. Kullu (H.P.)-175141  
Mob.: 82198-51963



3	Acquisition of Revenue record.	IPP has to obtain all the necessary revenue record required for implementation of project within Nine (9) months from the date of issuance of Consent Letter or within 12 months (including extension obtained for submission of feasibility report, if any) from the date of issuance of Consent Letter.
4	Submission of applications for all clearances/approval/consent to different departments	IPP has to submit applications for all the clearances/approval/consent applied within Eleven (11) from the date of issuance of Consent Letter or within 14 months (including extension obtained for submission of feasibility report if any) from the date of issuance of Consent Letter.
5	Obtaining of all clearances/approval/consent	IPP has to obtain all the clearances/approval/consent within Twenty Four (24) months (including extension obtained for submission of feasibility report if any) from the date of Consent Letter.
6	Submission of Detailed Project Report (DPR) as per CEA/ CWC Guidelines & within allotted/approved parameters with all clearances	Within 24 months from the date of issuance of Consent Letter or within 27 months including three (3) months extension for submission of FR, if three (3) months extension not availed at the time of FR, extension of three (3) months can be availed for submission of DPR for valid reasons by levying extension fee @ Rs 10,000/- per MW per month.
7	Grant of Technical Concurrence, preparation & submission of documents for signing of Implementation Agreement.	Technical Concurrence shall be accorded by Directorate of Energy (DoE), on behalf of the Government within 45 days from the date of receipt of the Detailed Project Report or within 28 months and 15 days (including extension obtained for submission of feasibility report, if any) from the date of issuance of Consent Letter and also complete all formalities for signing of IA.
8	Confirmation of Interconnection Point	Two months after the approval of FR, the IPP shall apply to the appropriate authority (Distribution/Transmission Licensee) for finalization/confirmation of interconnection point.
9	Signing of IA	Within 15 days of accordance of TC or within 29 months from the issuance of Consent Letter (including extension obtained for submission of FR/DPR, if any) whichever is earlier.
10	Achieving Financial closure including PPA if required and work started Concurrent action: Any balance clearances, consent/approval to be obtained.	IPP has to achieve the financial closure including PPA if required and obtain balance clearance/consent/approval, if any and start work on site within six (6) months after signing of IA or within 35 months (including, extension obtained for submission of feasibility report and DPR, if any) from the date of issuance of Consent Letter.

Authorized Signatory

Page 3 of 9

M/s. Tek Singh  
J-1 (0.50M) SHEP

M/s. Tek Singh S/o Sh. Hem Singh  
V.P.O. Shih Tehal Bhunatar  
Distt. Kulit (H.P.)-175141  
[Mob. : 82198-51963]



11	Project Commissioning	Project must be commissioned within 24 months from the date of start of work. However, six (6) months extension in this period is allowable for valid reasons subject to deposition of extension fee or within 65 months (including extension obtained for submission of feasibility report/DPR submission/extension in construction period, if any) from the issue the date of issuance of Consent Letter. Extension charges applicable @ Rs 10,000/- per MW per month. This part of charges will be payable upfront or with interest at project borrowing rates, after commissioning..
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6. The IPP shall stick to the time schedule for the investigation of the project and submission of the FR and DPR. In the event of the IPP being unable to submit the FR and DPR within the stipulated period as mentioned in clause 1.3 & 5 in this letter, the IPP can seek extension for the delay for valid reasons within one month alongwith extension fee and maximum extension shall be as mentioned in clause No -5 of this letter. Extension fee for extension in time period for submission of DPR shall be @ -Rs 10,000/- per MW per month and for FR extension fees shall be @ Rs. 10,000/- per MW per month. Non submission of DPR within the extended period shall result into cancellation of the project.
7. Detailed Project Report submission date shall be reckoned only after it has been found that the report is in conformity with CEA/ CWC guidelines & within allotted/approved elevation & stream. The reports and studies shall be prepared by reputed consultants who have experience of handling the complete task of geological & hydrological investigation, construction, erection, commissioning and operation of hydroelectric projects. Complete details of the consultants and their experience shall be included in the DPR or annexed therein.
8. HIMURJA, on receipt of Detailed Project Report (DPR), will scrutinize the DPR from the angle of allotted parameters and related aspects of the project as well as optimum utilization of the potential. After its scrutiny the HIMURJA will forward the DPR to Director of Energy, for accordance of Technical Concurrence. During examination of DPR HIMURJA/ Director of Energy, may point out the defects and deficiencies affecting the Technical Concurrence. IPP is expected to make good the defects promptly and remove the defects or deficiencies, as pointed out by the HIMURJA/ Director of Energy, within 30 days from the dispatch of the communication. The IPP will obtain Techno Concurrence (TC) from Director of Energy, within 45 days from the date of submission of DPR.
9. If the performance of this consent or any obligation of IPP is prevented, restricted or interfered with for any reasons of: fire, explosion, epidemic, cyclone, earthquake, flood, unforeseen natural calamity, war, revolution, requirement of any Government or any sub-division authority or representative of any such Government in respect of the aforesaid conditions, or any other act whatsoever, whether similar or dissimilar to those enumerated, beyond the reasonable control of the party hereto; the party so affected upon giving prompt notice to other party shall be excused from such performance to the extent of such prevention, restriction of interference for the period it persists provided that the party so affected shall make its best efforts to avoid or remove causes of non- performance, if possible, and shall continue performance hereunder with the utmost dispatch whenever such causes are removed. If the force majeure such as war, civil war, insurrection, riots, revolutions, fires, floods, epidemics, quarantine, restrictions, freight embargoes, radioactivity, earthquakes, cloudbursts, landslides and excessive snow persists for continuous period of the consent letter or more, the parties shall meet and decide about the further course of action.

Authorized Signatory

Page 4 of 9

M/s Tek Singh  
S/o Jai (C. 30M) SHEP

MS

M/s. Tek Singh S/o Sh. Hem Singh  
V.P.O. Shish Tahsil Bhuntar  
Distt. Kullu (H.P.)-175141  
Mob. : 82198-51963



10. In case the IPP does not find the Project to be feasible from techno-economic considerations or from any other aspect, the IPP shall hand over to the HIMURJA all the Project Reports and any other connected documents etc. as may have been collected and/or prepared by the IPP during the course of investigations.
11. The Government after having concluded that the Project is techno-economically viable may enter into an Implementation Agreement with the IPP within 15 days of accordance of TC or within 29 months after issue of consent letter ( including extension if any ) whichever is earlier. IPP will give request for signing IA and deposit requisite charges for signing of IA for the execution of project on terms and conditions in accordance with H.P. Hydro Power Policy 2006 read with various amendments in it notified from time to time.
12. The IPP shall set up its office within State of Himachal Pradesh after signing of Implementation Agreement and furnish the proof thereof.
13.
  - (i) This consent shall be restricted within the approved parameters of this consent letter i.e. to utilize water of Gohar Nala Nala in elevation range between EL  $\pm$  1765 -1580 m (i.e. Diversion weir to Tail race) on Left/Right Bank of Gohar Nala on which this project is envisaged unless otherwise approved by the H.P. Government. The H.P. Govt. shall be at liberty to cancel the consent, if any violation on this account is discovered at a later stage.
  - (ii) As per laid down guidelines riparian distance of 50mtrs elevation wise or 250m horizontal distance is to be maintained between two projects to allow visible flow of water in the stream/Nalla while carrying out detailed survey, failing which the allotment is liable to be cancelled for violation of the same.
  - (iii) In case of any conflict about a site, due to other allotment on the same stream/nallah etc. the State Government/Himurja shall have the right to take the decision about the Consent letter and this decision shall be final and binding on the concerned parties.
  - (iv) If it is discovered at later stage that project components are coming up in Wild Life Sanctuary/National Park, it shall be the responsibility of the IPP to obtain the NOC from concerned authorities or the project shall stand canceled without paying any compensation or an alternative site.
14. The IPP shall have to obtain NOCs of IPH, HPPWD, Revenue, Fisheries, Gram Panchayat and Wild Life.
  - (i) The developer shall submit the proposal to the concerned Deputy Commissioner for obtaining approvals/NOCs from different departments including Gram Panchayats.  
  
Deputy Commissioner shall forward the same to concerned departments within 7 days.  
  
Deputy Commissioner shall convene a meeting of all concerned departments on the basis of reports and shall ensure issuance of required approvals/NOCs within 30 days period in the form of single window clearances.
  - (ii) If a project allotted to an IPP comes within the boundaries of Wild Life Sanctuaries/ Parks/ areas by way of redefining boundaries of Wild Life Sanctuaries/Parks/areas, it shall be the responsibility of the IPP to obtain the NOC from concerned authorities or surrender the project immediately without any claim.

Authorised Signatory  
 Tek Singh  
 103-1 (0.50M) SHEP  
 Dist. Him (H.P.)-175144  
 Mob.: 82198-51963



(iii) Charges payable to fisheries department shall be as per the policy applicable from time to time.

15. NOCs from different Departments shall be furnished in shape of, self attested copies, to the HIMURJA. The IPP is required to furnish an affidavit, on Rs. 5/- stamp paper duly notarized, to the effect that all the conditions in the NOCs obtained from the different Departments and Gram Panchayat shall be abided by them, incase an IA is signed with the IPP later on.

16. The receipt of this communication and acceptance of consent conditions aforesaid will be acknowledged within one month and the affidavits, security charges, processing fee and upfront premium within two months from the date of issue of this letter. In case, IPP's confirmation is not received or security, processing fee and other relevant essential documents, not deposited by the due date it shall be presumed that IPP is not interested in taking up the project and consent shall be treated as withdrawn.

#### 17. ROYALTY

In the event of this project being awarded to you for implementation, a separate agreement called Implementation Agreement shall be executed for supplying the royalty on water usages in shape of free power royalty (Energy) as per the following rates or the rates applicable as per policy of the State Govt. at the time of signing of Implementation Agreement.

a) Small Hydro Electric Projects upto 2 MW allotted after 2006 Hydro Policy, where power is consumed in HP by HPSEBL free power payable to State and Local Area Development Fund shall be 2%, 12% and 18% (2% for first 12 years, 12% for next 18 years & 18% for remaining period of 10 years).

b) **For Other Projects-** The Free power royalty liable to be charged for projects with an installed capacity upto 5 MW will be at the rate of 12%, 15% & 24% (12% for first 12 years, 15% for next 18 years & 24% for remaining period of 10 years) for captive use or third party sale outside the state or the rates applicable as per policy of the State Government at the time of signing of IA. For captive consumption within the state or sale to HPSEBL Ltd. or its successors the concessional royalty rates shall be 6%, 15% and 24% (6% for first 12 years, 15% for next 18 years & 24% for remaining period of 10 years). In case of capacity enhancement beyond 5 MW rates notified by government shall be applicable.

The IPP shall provide an additional 1% (one percent) free power over and above the rates existing at 20 (a&b) for Local Area Development Fund (LADF) aimed at providing regular stream of revenue for income generation and welfare schemes, creation of additional infrastructure and common facilities etc. on a sustained and continued basis over the life of the project. This fund would be available in the form of an annuity over the entire life of the project.

18. The balance energy, after adjustment of free energy, may be used/sold by the Second Party in the following manner :-

(a) Free energy shall be made available by the Second Party at the interconnection point to the HPSEBL, wherein HPSEBL will buy power from SHPs upto 2.00 MW, if the developer so choose, provided that free power to the State is also as per 2006 Policy and the metering shall be done at this point. For SHPs above 2.00 MW upto 5.00 MW, HPSEBL will formulate an objective, prudent and transparent power purchase policy, keeping in view load centre, evacuation cost, line losses, hydrology etc.

**Authorised Signatory**

Page 6 of 9

M/s Tek Singh

Shimla (H.P.) SHEP

M/s. Tej Singh S/o Sh. Hem Singh  
V.P.O. Shiah Tehsil Hunter,  
Distt. Kullu (H.P.)-175141  
Ph: 0198-51963



Solid tap connectivity at the nearest or 11 kV or 22 kV line upto 2 MW capacity generation capacity will be allowed, with appropriate protection.

To ease Liquidity, Commission will determine two sets of levelised tariff i.e. one for first 5 to 10 years, which may be higher and 2<sup>nd</sup> set for balance period

No wheeling/transmission charges shall be payable for free energy from the generating station to the interconnection point.

(b) Make captive use or negotiate Third Party sale within the State or evacuate power for captive use or sale outside the State. The wheeling or transmission charges in this regard will be set by the HPERC based on petitions by the parties.

#### 19. TRANSFER OF PROJECT TO SUBSIDIARY GENERATING COMPANY/ DILUTION OF SHARES.

19.1 For Non-Himachalis:- The Government may consider the request of the allottee company for change in name/dilution of shares of original allottee company subject to the condition that the Original allottee shall retain the controlling interest i.e. 49% equity in the new entity upto Six months after actual commissioning of the project and thereafter allowed to freely sell/divest the project. However, equity shares to the extent of 100% can be transferred to Himachali at any stage after allotment. In the event of any contravention, the Government of H.P. shall terminate the Consent Letter forthwith at any stage.

19.2 (a) For Himachalis: In case of bonafide Himachalis /Co-operative Societies/Companies/Voluntary Societies/Trust/Partnership concerns/Sole Proprietorship concerns comprising wholly of bonafide Himachalis to whom project upto 2 MW and above 2MW to 5MW capacity is allotted, the Government may consider the request of the promoters to transfer ownership wholly or partially to any other bonafide Himachalis / Co-operative Societies/Companies/Voluntary Societies/Trust/Partnership concerns/Sole Proprietorship concerns comprising wholly of bonafide Himachalis, at any stage after allotment.

19.2 (b) In case of bonafide Himachalis to whom Projects upto 2.00 MW capacity is allotted, the Government may consider the request of promoters to sell/transfer 49% equity shares to Non- Himachalis at any stage after allotment of projects and full disinvestment after two years of commissioning.

19.2 (c) In case of bonafide Himachalis to whom Projects above 2.00 MW and upto 5.00 MW capacity are allotted, the Government may consider the request of promoters to sell/transfer 51% equity shares to Non- Himachalis at any stage after allotment of projects and full disinvestment after two years of commissioning.

In lieu of allowing sell/transfer of equity shares upto 49 % of Projects upto 2 MW capacity from Himachali promoters to Non- Himachali and to sell/ transfer equity shares above upto 51% of Projects above 2MW to 5 MW capacity from Himachali to Non Himachali, a fee shall be charged at the uniform rate of Rs 25,000/- per MW, to be deposited at the time of signing of Tripartite Agreement for transfer of Project in the name of new entity.

20. For projects upto 5 MW, HPSEB Ltd., or its successor entity shall buy the power at the tariff notified from time to time by Himachal Pradesh Electricity Regulatory Commission.

Authorised Signatory

M/s Tek Singh  
Choj-I (0.50M) SHEP

Page 7 of 9

M/s. Tek Singh S/o Sh. Hari Singh  
V.P.O. Choj-I, Tehsil Bhunat,  
Dist. Solan (H.P.)-175141  
Mob. : 82198-51963



21. Alongwith the acceptance of the consent letter, the following shall also be furnished by the IPP: "An affidavit on a stamp paper of Rs.5/-only (duly notarized) to the effect that not more than three projects (including this project) are under execution with the allottee company/firm and the promoters of the company /firm".
22. Other conditions of Hydro Power Policy 2006 read with amendments to the same notified from time to time shall be applicable to the developer/IPP which shall also be mentioned as, "that the Hydro Power Policy, 2006 alongwith amendments from time to time shall be abided by him during the occupancy of the project", in the affidavit to be submitted under point no. 21 above as second point.
23. HIMURJA/ H.P. Government shall provide necessary assistance in obtaining clearances at State level.
24. This consent letter is being issued in lieu of MOU and no separate MOU shall be signed by the government.
25. This consent letter is being issued under the orders and authorization of Deptt. of Non-Conventional Energy Sources, Govt. of Himachal Pradesh.
26. If Upfront premium, security charges and processing fee are not deposited within two months from the date of consent letter the project is liable to be cancelled.
27. In case at any stage it is found that this small hydro Electric Project is prejudice to overall optimum development of the river, the government reserves the right to cancel the allotment of the project without any liability/limitations.
28. The DPR of the project is to be completed within the specified time i.e. 24 months (excluding extension of 3 months) failing which project shall stand cancelled.
29. The State Government and the local right holders shall have the right over use of water for irrigation and drinking water supply.
30. The Govt. reserves the right to modify, delete or add any of the conditions, criteria, at its own discretion and shall be at liberty to withdraw the consent if at a later stage it is found that some information has been suppressed or false information has been supplied by IPP about the project.

31. CAPACITY EXCEEDING 5MW AFTER ENHANCEMENT.

If the capacity of the allotted project is enhanced above 5MW, all the charges payable as per Policy for the projects above 5 MW including additional free power royalty are to be paid by the applicant afresh on whole capacity of the project.

Note:

- (1) The DPR shall clearly bring out the percentage potential utilization of the site and it would be preferable if the DPR demonstrates that the proposal shall lead to more than 75 % of the potential utilization of the site in a 75% dependable year. Capacity utilization factor (CUF) is to be kept between 55% to 60%  $\pm$  2 %.
- (2) Capacity firmed up in the DPR shall be treated as final subject to approval from Government in case of enhancement for according TC and signing of IA.

Authorised Signatory

Page 8 of 9

M/s Tek Singh

Shah Wali (0.50M) SHEP

M/s. Tek Singh S/o Sh. Hem Singh  
Shah Wali, District  
Jalandhar (H.P.)-175141  
Mob: 982198-51963



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In case of default of any of the time frame and/or conditions of this consent letter, the Government shall be at liberty to withdraw the consent and forfeit the security and the project can thereafter be granted to other suitable party.

Himurja and H.P. government welcome you to the fraternity of independent power producers engaged in the infrastructural development of the State and reiterates its commitment to facilitate entrepreneurs in the State for over all growth and development, and wish your project all the success.

Yours Sincerely,

(Er K. L. Thakur)  
Project Director cum  
Dy Chief Executive Officer,  
HIMURJA, Urja Bhawan,  
Kasumpti, Shimla-171009.

Enst. No. - A/A 13146-60

Dated: - 19-12-2016

1. Copy is forwarded to the following for information and necessary action:-

- i) Additional Chief Secretary /Principal Secretary/Secretary (Forests/Revenue/I&PH/PWD/ Environment & S.T./ RD & Panchayati Raj / Fisheries) to the Govt. of H.P., Shimla-2.
- ii) Principal CCF (Wild Life), Himachal Pradesh.

All the Departments are requested to render necessary assistance to the IPP to prove or otherwise the feasibility and desirability of the project and formulation of the DPR. This consent be treated as Government permission to the IPP for investigating the project and obtaining various clearances for submission of DPR and possible setting up of the Small Hydro Power Project as described in the letter above.

2. Additional Chief Secretary (NES), to the Govt. of H.P. w.r.t letter No. NES-F(2)-3/2016 dated 01/12/2016 vide which approval has been accorded.
3. The Director (SHP) MNRE Block No.-14 CGO Complex, Lodhi Road, New Delhi-110003 for information please.
4. Director, Directorate of Energy, Shanti Bhawan, Phase-III, Sector-6, Shimla-171009 for information please.
5. M.D. HPTCL Bhowalia House, Kahalini Shimla -171002 for information.
6. Deputy Commissioner, Distt. Kullu, H.P.
7. The Chief Engineer (SO&P), HPSEB Ltd. Vidyut Bhawan, Shimla 171004 for information and necessary action.
8. The Sr. Project Officer Himurja, Distt. Kullu, H.P. for information and necessary action.

Authorised Signatory

M/s Tek Singh  
Choj-I (0.50M) SHEP

Page 9 of 9

(Er K. L. Thakur)  
Project Director cum  
Dy Chief Executive Officer,  
HIMURJA, Urja Bhawan,  
Kasumpti, Shimla-171009.



## Himachal Pradesh -IPH Department

NO.IPH-IDK-II-WA-NOC/2019:-  
To

1935-52

Dated:- 14/08/2019

The Superintending Engineer  
IPH Circle Kullu

Subject: -

Issue of No Objection Certificate for construction of Choj-I  
Small Hydro Project (0.50MW) (Manikaran Area) in Distt.  
Kullu HP.

M/s Tek Singh, V.P.O. Shiah Tehsil Bhunter Distt. Kullu HP  
Vide his letter No. Nil dated Nil has intimated that 0.50 MW Choj-I Small Hydro Project  
Vill. Choj P.O. Manikaran Tehsil Bhunter Distt. Kullu H.P. has been allotted to for which  
NOC has been required for this Project

In this a connection it is submitted that this Department has no  
objection for C/O this project as there exists no WSS/ LWSS/LIS FIS on down / upstream of  
proposed project presently. The case is recommended for its NOC subject to condition as  
below:-

- 1 The Firm shall enter into legal agreement with the Department in this respect.
- 2 That the Chief Engineer (MZ) IPH Department, Mandi shall be the sole adjudicator of any dispute arising during construction as well as subsequently and his decision shall be binding on all the parties.
- 3 In case there is any scarcity of water due to the drought or any reasons, the requirement of department shall have precedence over the requirement of this Hydro Power Project.
- 4 The firm shall ensure adequate minimum environment flow in river/ Khad below the diversion site to take care of aquatic life and ecology of the area. However, the minimum flow shall not be less than 15% of the available discharge at any time in the river.
- 5 The firm shall rehabilitate/repair/compensate for IPH Deptt. Assets/water resources as well as private kuhals/Irrigation schemes/water supply schemes in case these are damaged or adversely affected due to construction/operation of the project. During restoration period the arrangement for providing of water to the beneficiaries shall be made through tankers and other alternative possible arrangements by the firm.
- 6 Additional requirement of water of the department in future in addition to the project demand will get priority over the water requirement of the firm.

7. In addition to I&PH Department requirement, the firm will also satisfy the requirement of private users, if any.
8. The Department will have liberty to draw water from Gohar Nallaha a tributary of Partvati river (Upstream and downstream) for construction of any water supply on up and down stream of the HEP if any scheme get effected i.e. irrigation or water supply as and when required is future. The executing agency will have to deposit the original cost of scheme/cost of its remodeling with the department in advance so as to make these facilities available to inhabitants of affected area for which the company will have no objection.
9. The present and future quantity of water for proposed WSS will be tapped by the department from Gohar Nallaha a tributary of Partvati river up-stream of the intake of the HEP and the department will have precedence over the requirement of the proposed project.

The following documents as received from firm/company are sent herewith for further action please.  
DA:- As above

Executive Engineer  
IPH Division No.II  
Kullu at Bhunter.

Copy to the Assistant Engineer IPH Sub Division Shat w.r.t. to his office letter No.13-14 dated 24.04.2019 for information.

Copy to the M/s Tek Singh, V.P.O. Shiah, Tehsil Bhunter Distt. Kullu HP 175105, H.P. for information.

Copy to the Project Officer Himurja Kullu Tehsil & Distt. Kullu for information.

Executive Engineer  
IPH Division No.II  
Kullu at Bhunter.

Authorised Signatory

M/s Tek Singh  
Unoj-I (0.50M) SHEP



Registered.

No. FSH-F (2)39-184/2018-ARC-CHOJ-I- 6905  
 Directorate of Fisheries,  
 Himachal Pradesh.

From

The Director-cum-Warden of Fisheries,  
 Himachal Pradesh.

To

✓ M/s Tek Singh,  
 S/o Shri Hem Singh, VPO- Shiah,  
 Tehsil-Bhuntar, Distt Kullu (HP)-175141.

Dated Bilaspur-174001 the, 05/7/18

Subject:-

Request for issuance of NOC in respect of Choj-1(0.50MW)HEP  
 Manikaran area of Kullu Distt (HP).

Sir,

I invite a reference of your letter dated 21.04.2018 sent to Deputy  
 Director of Fisheries, Patlikuhl (Kullu) received vide his letter No TFP-5-184/03-D-VIII-728 dated  
 27.04.2018 regarding subject cited above.

In this context, it is intimated that as per provisions contained in clause- 1  
 and 14(i) of revised hydro power policy-2006 of H.P., notified vide MPP & Power Department  
 Notification No. MPP-F(1)2/2005-VIII, dated 04.03.2014, NOC of Fisheries Department is not  
 required and no charges are to be levied upon for the projects up to capacity of 2.00 MW.  
 However, IPP shall have to ensure safe disposal of silt/muck during and post-construction  
 phases besides maintenance of environmental flow of water downstream as determined by the  
 Govt. of HP from time to time. This is for favour of information, please.

Yours faithfully,



(Satpal Mehta)

Director-cum-Warden of Fisheries,  
 Himachal Pradesh, Bilaspur.

E-mail : [fisheries.hp@nic.in](mailto:fisheries.hp@nic.in)

Tel/Fax: 01978-224068

Endst No. As above-

Copy forwarded for information to:-

Dated:-

1. The Principal Secretary (Fisheries) to the Govt. of H.P, Shimla-2;
2. The Deputy Commissioner, Kullu, District Kullu (HP)
3. The Director, HIMURJA, SDA Complex, Kasumpti, Shimla-9(HP);
4. The Deputy Director of Fisheries, Patlikuhl, Distt- Kullu (HP) ;
5. Incharge, Web Cell Directorate of Fisheries for n/a.

Authorized Signatory

M/s Tek Singh  
 Choj-1 (0.50M) SHEP

(Satpal Mehta)

Director-cum-Warden of Fisheries,  
 Himachal Pradesh, Bilaspur.

E-mail : [fisheries.hp@nic.in](mailto:fisheries.hp@nic.in)

Tel/Fax: 01978-224068

No./ C.I.11/ 524 /  
Forest Department H.P.

Dated Kullu, the/ 03-05-2019.

From: Divisional Forest Officer,  
Wildlife Division, Kullu.

To: M/S Tek Singh S/o Sh. Hem Singh,  
Village & Post Office Shiah Tehshil Bhunter,  
Distt. Kullu, HP. 175141.

Subject: Request for issuance of NOC in respect of Tek Singh Choj  
(1)(0.50MW)HEP Manikaran Area District Kullu.

Sir,

Kindly refer to your Office letter No. M/S Tek Sihg Choj (1) (0.50MW)  
SHEP-10-12 dt. 21.04.2018 on the subject cited above.

2 In this connection, the R.O. (Wildlife) Kullu has reported that the Proposed site for installation of Tek Sihg Choj (1) (0.50MW) HEP Manikaran in District Kullu HP does not fall within the Jurisdiction of Wild Life Sanctuary, Kanawar. The aerial distance from proposed ~~Abhayanagar~~ MHEP, to Kanawar Wild Life Sanctuary is out of 10.5 Km.

It is further reported that the construction of sand Project shall not pose any kind of damage to the Wild Life or its habitat of the area.

This is for favour of your kind information and further necessary action please,

Yours faithfully,

  
Divisional Forest Officer,  
Wild Life Division, Kullu.

**Authorised Signatory**

  
M/s Tek Singh  
Choj-I (0.50M) SHEP



कार्यालय एवं न्यायलय ग्राम पंचायत मणिकर्ण



प्रधान  
देवानन्द

डा. मणिकर्ण तह. भून्तर विकास खण्ड कुल्लू (हि.प्र.)-175125

क्रमांक .....

दिनांक .....

प्रस्ताव संख्या 11 ग्राम पंचायत/ग्राम सभा बैठक .....

अध्यक्षता प्रधान श्री देव नन्द उपस्थिति 12/45 दिनांक 01-07-2018

विषय:- Tek Singh Small Hydro Project कोड के निर्माण सम्बंधी अन्नापति वगैरह पत्र जारी करने वारे:-  
यह कि ग्राम सभा में 02 लेख रहे  
s/o Sh. हेम सिंह जी ने Tek Singh Small Hydro Project (0.5 MW) के निर्माण सम्बंधी (NOC) प्राप्ति पत्र प्रस्तुत किया। जिस सम्बंध में ग्राम सभा में व्यापक विचार-विमर्श किया गया व सर्वसहमति से निर्णय किया गया कि इस Project के निर्माण सम्बंध किसी भी कोड कापीत नहीं है। व अन्नापति वगैरह पत्र जारी किया जाय

अतः ग्राम सभा सर्वसहमति से Tek Singh Small Hydro Project (0.5 MW) के निर्माण सम्बंधी अन्नापति वगैरह पत्र जारी करता है।

नमल सिंह

Copy to - Tek Singh Small Hydro Project (0.5 MW) Chgoz. को सौंपा है।

Authorised Signatory

M/s Tek Singh  
Chgoz-I (0.50M) SHEP

Secretary 17/10/2018  
Gand Panchayat Mamil...





हिमाचल प्रदेश

HIMACHAL PRADESH

Govt. of H.P.

**AUTHORITY LETTER**

15AA 466047

This is to certify that Sh. Tilak Raj Thakur S/O Late Sh. Luder Chand V.P.O. Bhuthi is hereby Authorized to Sign All the documents related to Choj-I S.H.E.P. (0.50 MW) in Distt. Kullu (H.P.) for online submission and hard copy submission of FCA case of this project with the Forest Department on Behalf of M/S Tek Singh S/O Hem Singh V.P.O. Shiah Tehsil Bhunter Having Its ADDMIN OFFICE: House No. 123 Ward NO 5 Raghunathpur Kullu Pin 175101.

Specimen Signature of Mr. Tilak Raj Thakur are as under:

- 1.
- 2.
- 3.



For and Behalf of M/S TEK SINGH (Sole Prop.)

Tek Singh (Sole Proprietor)

Choj-I SHEP

At 15/03/20  
Certified that the above was declared on oath  
Before me on 15 day of 03/20  
At Bhamu by   
S/o   
And identified by   
Certified further that this affidavit/doc. is being filed  
Over & through in verbatim to the concerned  
After perusing the contents of the same on 15/03/20  
And put his signature  
  
S.R. Deshpande  
Notary Public



## JOINT INSPECTION REPORT

Date of Inspection: - 29<sup>th</sup> November, 2019

**For: CHOJ-I (0.50MW) SHEP in favour of M/s Tek Singh Sole proprietor, Kasol Forest Range, Parvati Forest Division Shamshi, Distt. Kullu H.P.**


The Joint inspection of the site for the diversion of **0.3442 hectare** of forestland for the construction of **Choj-I (0.50MW)** Small Hydro Electric Power Project was carried out in the presence of staff of Forest Department and Revenue Department on **29<sup>th</sup> November, 2019**.

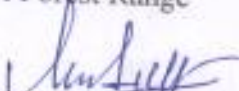
The User Agency has proposed three different alignments. In **1<sup>st</sup>** alignment total **0.3442** hectare of forestland is involved with least number of trees getting affected. In **2<sup>nd</sup>** alignment and **3<sup>rd</sup>** alignment are rejected due to thick forest and more over topography of the same is not suitable for the water conductor system, penstock and slopes are not stable for construction of project. Since 1<sup>st</sup> alignment is geological more stable, involves minimum forest land and least number of trees, the same has been finalized and the **2<sup>nd</sup>** alignment and **3<sup>rd</sup>** alignment has been rejected by the joint inspection committee.

There is no scope of avoidance of forestland. However all efforts have been made to minimize the use of forestland. The above Proposed Forest land for diversion is not affected by any public utility, public bourn (spring), cremation or burial ground etc. The diversion of 0.3442 hectare of forestland is bare minimum and cannot be escaped.

The Joint Inspection Committee therefore recommends diversion of **0.3442** hectare of forestland (revenue details enclosed herewith) under section 2 of Forest Conservation Act (FCA) 1980.


  
Divisional Forest Officer,  
Parvati Forest Division  
Shamshi Forest Division, Shamshi.

  
Range Forest Officer,  
Forest Range Office  
Kasol Forest Range

  
Sr. Project Officer,  
Sr. Project Officer  
M/s Tek Singh  
Distt. Kullu (H.P.)

  
Sub Divisional Officer (J),  
Kullu (HP)

  
Tehsildar  
Tehsil Bhuntar

  
Authorized Signatory

M/s Tek Singh.  
CHOJ-I (0.50MW) SHEP  
Choj-I (0.50M) SHEP

1. कोल बुक चौक लघु जल विद्युत परियोजना (0.50 MW)  
माथे मनीषा कोष कनावर तहसील सुन्दा जिला किरात  
(तहसील)

क्रम	नम्बर खसरा		इलाखराज रजमा	बुक्का जमा किछ	कीमती
	सावक	हाल			
1	2	3	4	5	6
1	अन बन्ने विला फेड	हूकनं 1	$14 \times 7 = 98$	0-4-18 बंकेदीन	वीआर स्थल
2	11-	हूकनं 2	$21 \times 1 = 21$ गो 21x1 = 21 42	0-2-2 बंकेदीन	वायु-चिबल I
3	11-	हूकनं 3	$7 \times 3 = 21$	0-1-1 बंकेदीन	MD-I
4	11-	हूकनं 4	$14 \times 8 = 112$	0-5-12 बंकेदीन	डिल्लीपेठे मोरवी
5	11-	हूकनं 5	$71 \times 1 = 71$ क) $80 \times 1 = 80$ ख) $71 \times 1 = 71$ ग) $71 \times 1 = 71$ घ) $138 \times 1 = 138$ ङ) $104 \times 1 = 104$ च) $24 \times 1 = 24$ ड) $77 \times 1 = 77$ ज) $60 \times 1 = 60$ 696	1-14-16 बंकेदीन	वीन स्लाव
6	11-	हूकनं 6	$7 \times 3 = 21$	0-1-1 बंकेदीन	MD-II
7	11-	हूकनं 7	$7 \times 3 = 21$	0-1-1 बंकेदीन	MD-II



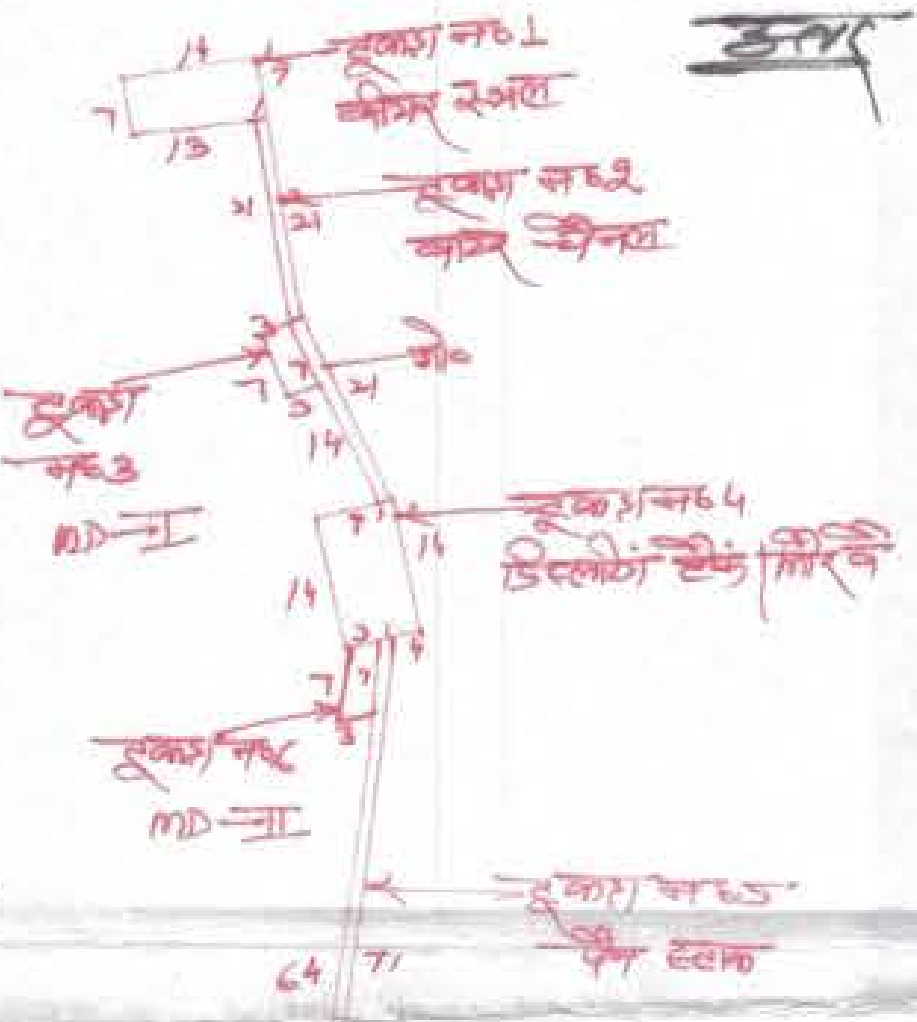
1	2	3	4	5	6
8.	कृष्ण वंश किला पेशवा	हूंक 8	$18 \times 11 = 198$	0-9-18 पं. उरकदीग	उनाग्रह
9.	11-	हूंक 9	$11 \times 1 = 11$	00-11 किला	हिल रेड
10	11-	हूंक 10	$10 \times 7 = 70$	0-3-70 किला	MD = IV
11	11-	हूंक 11	$28 \times 14 = 392$	01-9-12 किला	पिच यार्ड
12.	11-	हूंक 12	$5 \times 4 = 20$	01-0 किला	Inter Connection Point
जिला		किला 12		45-2	

पडताल भुई  
Figo Jari

तस्वीर का जाला है कि वो कलसू जिला  
पिचुल पारमेश्वर का आदि उपाय डाला कि  
(मा) कुल्लू के पार संख्या 706/SPK दिनांक 23,  
के तहत तस्वीर की कभी मम मील (बुल्लू साह  
पुल्लू लियार करके आगो का मील वही है  
है, उपाय बल्लू कुल्लू।

31/05/19  
राजस्थान ग्राम मन्त्री  
म. भुवनेश्वर जिला मुख्यालय

नक्शा तटीय सीमा चौक लघु जल विद्युत परियोजना  
(0.50 MW) कोठी मन्सिर कोठी बंगला सह शुभारंभ किया गया



विमान व हेलीकॉप्टर  
२० को प्रतिदिन

88



चला लघु  
Raga Jini

नक्शा तटीय सीमा चौक लघु जल विद्युत परियोजना  
कोठी मन्सिर कोठी बंगला सह शुभारंभ किया गया  
(0.50 MW) कोठी मन्सिर कोठी बंगला सह शुभारंभ किया गया  
के तहत तटीय सीमा चौक नमं मन्सिर कोठी बंगला सह  
शुभारंभ किया गया शुभारंभ किया गया

31/19