FORM - A

Form for seeking prior approval of Central Government under section 2 of the Forest(Conservation) Act,1980 for Diversion of fresh forest area

PART - I

(To be filled up by User Agency)

A. General Details
A- 1. Project Details
(i). Proposal No.: FP/HP/HYD/41533/2019
(ii). Name of Project for which Forest Land is required: Construction of Lower Iku I Small Hydro Project
(iii). Short narrative of the proposal and Project/scheme for which the forest land is required: Lower Iku - I Small Hydro Project (1 MW) is a run of the river scheme which has been envisaged to utilize the water of Iku Khad for power generation. The scheme involves construction of Weir structure at EL 1155 m on Iku Khad. The various components i.e. Weir Site, Conveyance Channel & De-silting Ta
(iv). State : Himachal Pradesh
(v). Category of the Project : Hydel
(vi). Shape of forest land proposed to be diverted: Linear
(vii). Estimated cost of the Project(Rupees in lacs): 835.48
(viii). Total Area of Forest Land proposed for diversion(in ha.): 0.5151
(ix). Non-Forest Land required for this project(in ha.): 0
(x). Total period for which the forest land is proposed to be diverted(in years): 40
A-Details of User Agency 2.
(i). Name: MONGRA HYDRO CONSTRUCTION PRIVATE LIMITED
(ii). Address1: Ward No. 3 Post Office Yol Jharer
(iii). Address2 : Tehsil Shahpur District Kangra
(iv). State : Himachal Pradesh
(v). District: Kangra
(vi). Pin: 176208

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(vii). Landmark: NIL
 (viii). Email address: loweriku1@gmail.com
 (ix). Landline Telephone No.: 1892-260089
 (x). Fax No.: 1892-
 (xi). Mobile No.: 9816329668
 (xii). Website (if any): NIL
 (xiii). Legal status of User Agency: Private
A-
3. Details of Person Making Application
 (i). First Name: Jagpravesh
 (ii). Middle Name: NIL
 (iii). Last Name: Mongra
 (iv). Gender: Male
 (v). Designation: Director
 (vi). Address 1: Ward No. 3 Post Office Yol Jharer
 (vii). Address 2: NIL
 (viii). State: Himachal Pradesh
 (ix). District: Kangra
 (x). Tehsil: Shahpur(T)
 (xi). Pin: 176208
 (xii). Landmark: NIL
 (xiii). Email Address: loweriku1@gmail.com
 (xiv). Landline Telephone No.: 1892-260089
 (xv). Fax No.: NIL
 (xvi). Mobile No.: 9816329668
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(xvii). Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency:

B. Details of land required for the Project

B- Details of proposal seeking prior approval of Central Government under the Act for 1. diversion of forest land for the Project already submitted in the past

	List of proposal submitted in Past						
S.no	Proposal Status.	Proposal No.	Moef File No.	Area Proposed for Diversion(Ha.)	Area Diverted(Ha.)	Date of In- Principle Approval	Date of Final Approval
NIL							

 $\frac{B}{2}$. Details of forest land proposed to be diverted

B-2.1 Details of Divisions involved

	Details of Divisions involved				
S.no	Division Name	Forest Land(ha.)	Non-Forest Land(ha.)		
1.	D/sala	0.5151	0		

B-2.2 Details of Districts involved

	District wise breakup				
S.no	District Name	Forest Land(ha.)	Non-Forest Land(ha.)		
1.	Kangra	0.5151	0		

B-2.3 Village wise breakup

	Villages wise breakup			
S.no	Village	Forest Land(ha.)	Non-Forest Land(ha.)	
1	Bagiara	0.3107	0	
2	Kand	0.2044	0	

B-2.4 Component wise breakup

	Component wise breakup			
S.no	Component	Forest Land(ha.)	Non-Forest Land(ha.)	
1	Weir Site	0.02	0	
2	Conveyance Channel	0.0018	0	
3	Desiliting Tank	0.0126	0	
4	Water Conductor System	0.1624	0	
5	Forebay Tank	0.012	0	
6	Oenstock	0.014	0	
7	Power House	0.0225	0	

8	Tail Race	0.001	0
9	Road and Transmission	0.2268	0
10	Dumping Site I	0.01	0
11	Dumping Site II	0.01	0
12	Dumping Site III	0.01	0
13	Dumping Site IV	0.012	0

C. Maps of forest land proposed to be diverted

Division 1. : D/sala

(i). Area of forest land proposed to be diverted(in ha.): 0.5151

(ii).: Linear

(b). No. of Segments: One

Segment wise details			
Segments	Segment Area(in ha.)	Kml File of Segments	
1.	0.5151	View File	

(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted:

(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station:

- <u>D.</u> <u>Justification for locating the Project in forest land and details of alternatives</u> examined:
 - (i). Copy of note containing justification for locating the Project in forest land:



- (ii). Whether a copy of map indicating location of alternative examine is required to be provided: Yes
- (a). Copy of map indicating location of alternative examined:



E. Employment likely to be generated

- (i). Whether the Project is likely to generate employment ?: Yes
- (ii). Permanent/Regular Employment(Number of persons): 6
- (iii). Temporary Employment(Number of person-days): 17800
- F. Displacement of People due to the Project, if any
 - (i). Whether Project involves displacement?: No

G. Details of Cost-Benefit analysis for the Project

- (i). Whether the Project requires Cost-Benefit analysis?: No
- H. Status of Environmental Clearance
 - (i). Whether the Project requires Clearance under the Environment (Protection) Act 1986?: No
- I. Status of Wildelife Clearance
 - (i). Whether the Project or a part thereof is located in any Protected Area or their Eco sensitive zone? : No
- J. Applicability of special provisions governing Scheduled Areas
 - (i). Whether the Project or a part thereof is located in a Scheduled Area?: No
- K. Status of settlement of rights under the Forest Rights Act,2006 on the forest land proposed to be diverted
 - (i). Whether the process for settlement of Rights under the Forest Rights Acts 2006 on the forest land proposed to be diverted has been completed? : No
- L. Details of land identified for Compensatory Afforestation
 - (i). Whether non-forest or Revenue forest land is required to be provided by User Agency?: Not Applicable
 - (ii). Whether the area of non-forest land or Revenue forest land required to be provided by User Agency for raising Compensatory Afforestation is less than area of forest land proposed to be diverted?: Not Applicable
 - (iii) . Reason for not providing Non-Forest Land: Not Applicable
- M. Hydel/Irrigation/Multipurpose Project
 - (i). Installed power generation capacity of the Project(in MW): NIL
 - (ii). Total command area of the Project(in ha.): NIL

Additional information Details

Documents		
S.No	Documents	Remarks
1	FOI AGE	Detail Note
2	POT Made	DC Certificate No Alternative

3	POP	Certificate Minimum Use
4		Undertaking to Pay Cost of CA
5		Undertaking to Pay Cost of NOV
6		Undertaking to Pay Cost of Additional NOV
7		Undertaking to Submit FRA Certificate
8	POS Maile	Certificate Non Violation
9		DC Certificate Non Availability of CA Land
10		Detail of Road and Transmission Line
11	POS Adults	Consent Letter
12	POT Looke	Tripartite Agreement
13	POZ LAGA	Feasibility Report
14	POT LEGAL	NOC Gram Panchayat
15	POT J.	NOC HPPWD
16	PO Least	NOC IPH Department
17		NOC Fisheries Department
18	PO Look	Reclamation Plan
19	Control of the contro	Dimensionwise Detail of Land

Print page

DIVERSION OF 0.5151 HA. OF FOREST LAND FOR CONSTRUCTION OF LOWER IKU - I SMALL FILE NO. HYDRO PROJECT 1 MW IN DISTRICT KANGRA (H.P.) : FP/HP/HYD/41533/2019

DATE OF PROPOSAL

CHECK LIST SERIAL NUMBER: - 3

DETAIL NOTE ON THE PROJECT

The forest land is required for the construction of Lower Iku - I Small Hydro Electric Project (1 MW) near village Bagiarra in Tehsil Dharamshala, District Kangra (H.P). The scheme is proposed on the Iku Khad, a tributary of Baner Khad which is further a tributary of Beas River. Flow of the Iku Khad would be diverted through a weir to be constructed at EL 1155 m and conveyed through a 9 m long Conveyance Channel upto the De-silting Tank. Thereafter the water would be taken through 360 m long Water conducting system upto the proposed Forebay Tank from where the water shall be dropped off through 445 m long Penstock to a surface Power House at EL 1090 m on the left Bank of Iku Khad. Water from the Power House shall be released into the Iku Khad on its left bank. Power generated from the Project shall be interfaced to the existing 11 kV HPSEBL Transmission Line nearby by constructing 260 m long 11 kV Transmission Line in village Kand.

The Right of Way for Transmission Line has been taken as 7 m and the access road and Transmission are common for entire length having length of 260 m. Construction of the above project involves 0-51-51 ha. of forest land and there is no Non Forest / Private Land available in the concerned area so all the civil components of the Project have been proposed in the forest land.

The Project was allotted in the name of M/s Baldev Singh S/o Sh. Diwan Chand, VPO Sahoura, Tehsil & District Kangra (H.P.) -176209 (Proprietorship Firm) which was transferred in the name of M/s Mongra Hydro Construction Private Limited, C/o Uttam, Chand, Ward No. 3, Post Office Yol Jharer, Tehsil Shahpur, District Kangra (H.P.) - 176208.

The Project Comprises of the following civil works.

- Intake / Weir Site
- Conveyance Channel
- De- silting Tank
- Water Conducting System
- Forebay Tank
- > Spillway
- Muck Dumping Sites
- Penstock
- > Powerhouse
- Tail Race
- Road
- Transmission Line

With the construction of the above project, economy of the local village Bagiarra, Kand, Andrar, Patolha, Salag and surrounding villages shall get a boost and better means of earning livelihood.

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

The people of this area are generally poor and they would get the chance to be part of the project by getting employment during construction period and some persons shall get permanent employment for operation of the Project. The estimated cost of the project is Rs.835.48 lakh and approx. 17800 man days of employment would be generated directly during construction of the project.

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

LOCATION OF THE PROJECT:

The Lower Iku Small Hydro Electric Project is being conceived as a run of the river development on Iku Khad, a tributary of Baner Khad which is further a tributary of Beas River. The Project is located near village Bagiarra, Tehsil Dharamshala, Distt. Kangra of Himachal Pradesh. Nearest broad gauge railway station is Pathankot, which is 90 kms from the powerhouse site.

JUSTIFICATION FOR LOCATION THE PROJECT IN FOREST AREA:

Iku Khad is a tributary of Baner Khad which is further a tributary of Beas river and joins it downstream of Shree Chamunda Temple at EL 907 m in District Kangra. It joins Baner Khad on its right bank The gradient of Khad is very steep in the upper reaches of the khad. Average slope varies from 1:6 to 1:10. The Hydro Power Sites are site specific and the area adjoining to the Iku Khad is Forest Land. So the forest land cannot be avoided.

No other viable alternative is available for the project so it has to be as such located in the forest land. Keeping in view of the technical requirements of the Project, alternative involving minimum forest land and trees have been adopted.

FINANCIAL AND SOCIAL BENEFITS:

Financial:

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

Social:

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

Total Population Benefited:

The population of approx. 250 persons living in Bagiarra, Kand, Andrar, Salag and other villages surrounding the project area will be benefited.

Employment Generated:

Yearly employment during construction by categories (Approximately)

Year	Professional& Technical	Clerical Services	Skilled workmen	Unskilled workmen
st., Year	4	3	10	75 to 100
Year Year	6	3	15	100 to 150

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

Approx. 17800 man-days of employment would be generated directly during the construction of this project.

Project objectives:

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

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

For M/s Mongra Hydro Construction (P) Ltd

. Mongra Hydro Construction

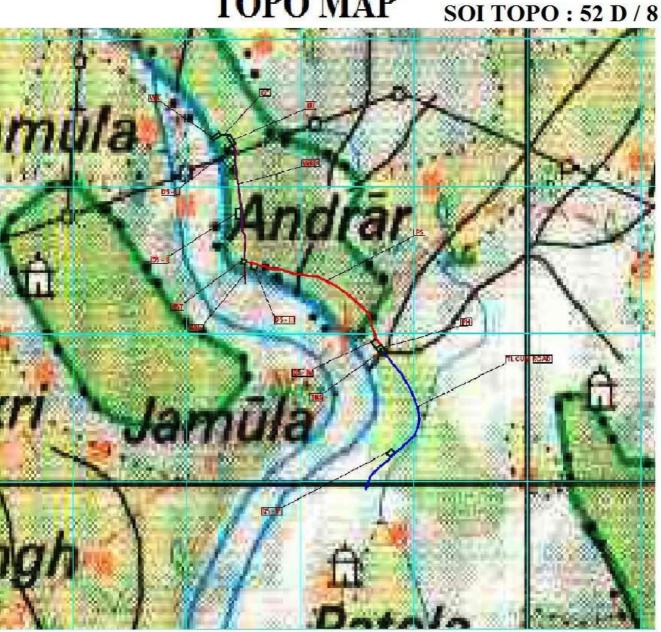
Pvt. Ltd. For: - Authorised Signatory

Authorised Signatory

Place : Shahpur Dated :

LOWER IKU-I SMALL HYDRO PROJECT (1 MW) TEHSIL DHARAMSHALA, DISTRICT KANGRA (H.P.)

TOPO MAP



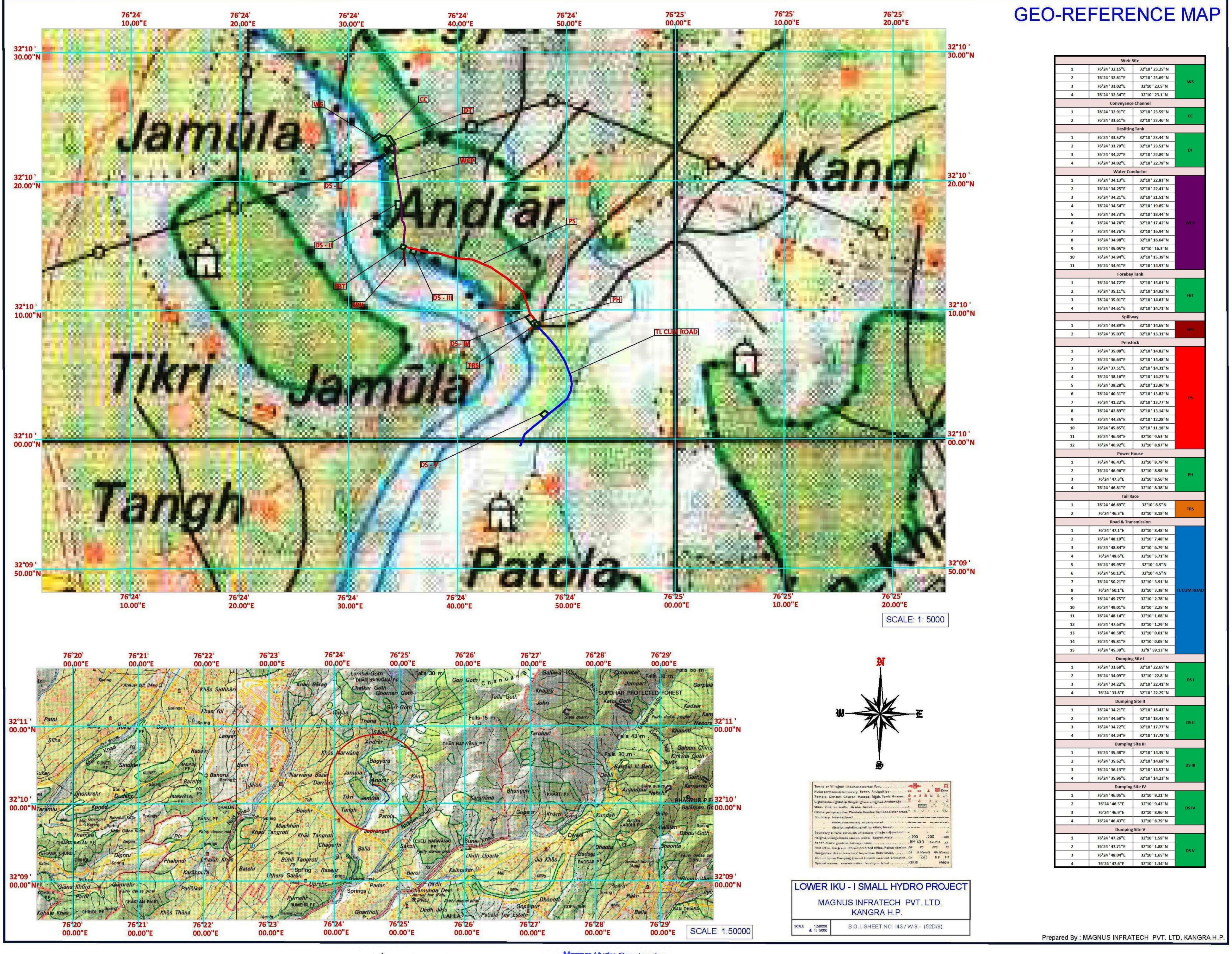
WS	Weir Site	
CC	Conveyance Channel	
DT	De-silting Tank	
WCS	Water Conductor	
FBT	Forebay Tank	
PS	Penstock	
PH	Power House	
TL cum Road	Transmission Line & Road	
TRC	Tail Race Channel	
TL	Transmission Line	
DS	Dumping Site I-V	
Spill	Spillway	

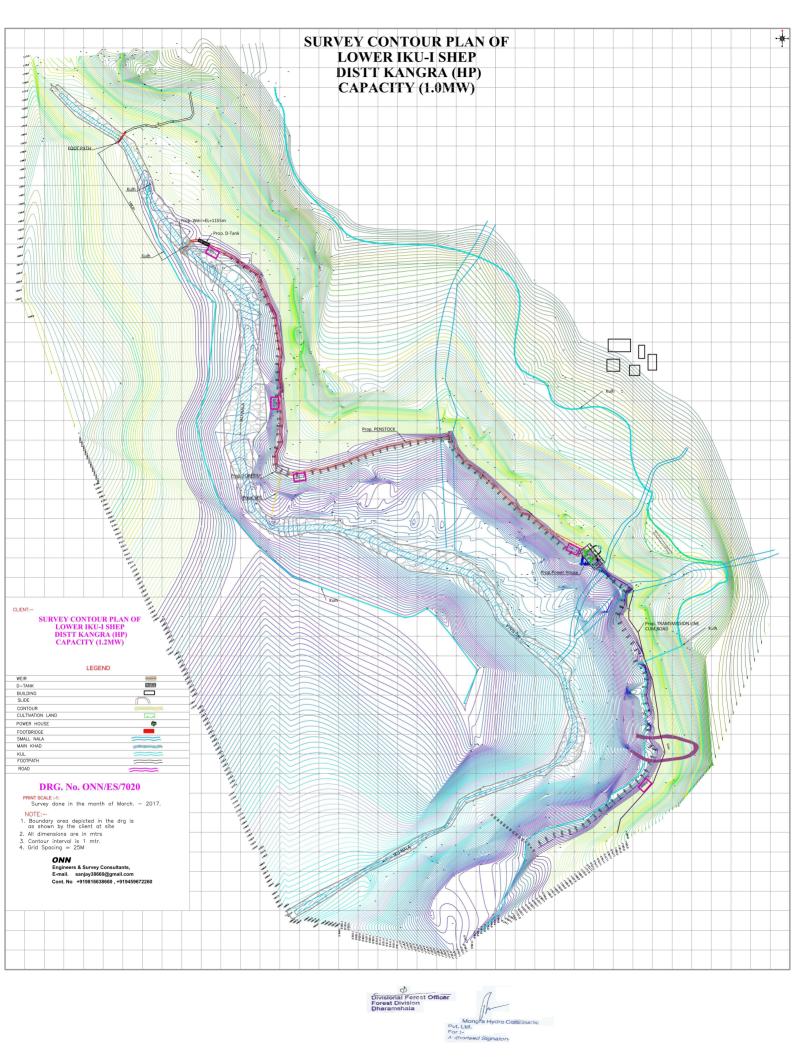
. Mongra Hydro Construction

Pvt. Ltd.

For :-

Divisional Forest Officer, Dharamshala Forest Division. DHARAMSHALA.







DIVERSION OF 0.5151 HA. OF FOREST LAND FOR CONSTRUCTION OF LOWER IKU - I SMALL HYDRO PROJECT 1 MW IN DISTRICT KANGRA (H.P.)

FILE NO.

: FP/HP/HYD/41533/2019

DATE OF PROPOSAL:

CHECK LIST SERIAL NUMBER – 06

STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION

Sr. No.	District	Division	Description	Range / Tehsil/Villa ge	Khasra Number / Survey	Forest Area proposed for Diversion	Classification of Forest Land.	Legal Status of Forest	Remarks
				j.	or Compart ment Number or Km Stone.	(HA)		Land	
1	Kangra	Dharamshala	Weir Site	Bagiarra	1064 /	0-01-60	Gair Mumkin Khad	UCF	
2	Kangra	Dharamshala	Conveyancy Channel	Bagiarra	1063 / 14 / 1	0-00-18	Jungle * Mehfooza Gair Mehduda	* UPF	,
3	Kangra	Dharamshala	De-Silting [®] Tank	Bagiarra	1063 / 14 / 2	0-01-68	Jungle Mehfooza Gair Mehduda	UPF	
4	Kangra	Dharamshala	Water Conductor System / Pipe Line	Bagiarra	1063 / 14 / 3	0-07-20	Jungle Mehfooza Gair Mehduda	UPF	903
5	Kangra	Dharamshala	Forebay Tank	Bagiarra	1063 / 14 / 6	0-01-00	Jungle Mehfooza Gair Mehduda	UPF	
6	Kangra	Dharamshala	Spillway	Bagiarra	1063 / 14 / 5	0-00-90	Jungle Mehfooza Gair Mehduda	UPF	
7	Kangra	Dharamshala	Penstock	Bagiarra	1063 / 14 / 7	0-03-38	Jungle Mehfooza Gair Mehduda	UPF	
8	Kangra	Dharamshala	Penstock	Bagiarra	1066 / 1	0-05-52	Jungle Mehfooza Gair Mehduda	UPF	
9	Kangra	Dharamshala	Power House	Bagiarra	1066 / 3	0-02-25	Jungle Mehfooza Gair Mehduda	` UPF	
10	Kangra	Dharamshala	Tail Race	Bagiarra	1066 / 4	0-00-12	Jungle Mehfooza Gair Mehduda	_ UPF	
11	Kangra	Dharamshala	Road / Transmission	Bagiarra	1066 / 5	0-02-20	Jungle Mehfooza Gair Mehduda	UPF	
12	Kangra	Dharamshala	Road / Transmission	Bagiarra	1067 /	0-00-42	Gair Mumkin Nala	UCF	
13	Kangra	Dharamshala	Road / Transmission	Kand	3/1	0-08-22	Jungle Mehfooza Gair Mehduda	UPF	
14	Kangra	Dharamshala	Road / Transmission	Kand	2/1	0-07-38	Jungle Mehfooza Gair Mehduda	UPF	

15	Kangra	Dharamshala	Dumping Site - I	Bagiarra	1063 / 14 / 4	0-01-50	Jungle Mehfooza Gair Mehduda	UPF	
16	Kangra	Dharamshala	Dumping Site - II	Bagiarra	1063 / 14 / 9	0-02-52	Jungle Mehfooza Gair Mehduda	UPF	
17	Kangra	Dharamshala	Dumping Site - III	Bagiarra	1063 / 14 / 8	0-01-50	Jungle Mehfooza Gair Mehduda	UPF	
18	Kangra	Dharamshala	Dumping Site - IV	Bagiarra	1066 / 2	0-02-25	Jungle Mehfooza Gair Mehduda	UPF	B
19	Kangra	Dharamshala	Dumping Site - V	Kand	3/2	0-01-69	Jungle Mehfooza Gair Mehduda	UPF	
	Total land Proposed					0-51-51	ha		

Place : Dharamshala Dated :

Division Forest Officer

Dharamshala

Dharamshala

DIVERSION OF 0.5151 HA. OF FOREST LAND FOR CONSTRUCTION OF LOWER IKU - I SMALL HYDRO PROJECT 1 MW IN DISTRICT KANGRA (H.P.)

FILE NO.

: FP/HP/HYD/41533/2019

DATE OF PROPOSAL

CHECK LIST SERIAL NUMBER - 07

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

Sr. No.	District	Division	Description	Range / Tehsil/Village	Khasra Number / Survey or Compartment Number or Km Stone.	Non Forest / Private Area proposed for Diversion (HA)	Classification of Non Forest Land.	Legal Status of Non Forest Land	Remarks
								P. V.	,
			`.						1
		1		NIL			(see		
									y C5
	7				6) (8)		,		
	Total					0 Hectare	S		

For M/s Mongra Hydro Construction (P) Ltd. . Mongra Hydro Construction

Pyt. Ltd.

For :-

Authorised Signatory **Authorised Signatory**

Place: Shahpur

Dated:

Countersigned by:

Divisional Forest Officer Dharamshala Forest Division Divisional Fores

Dharamshala

OF NON AVAILABILITY OF NON CERTIFICATE IN RESPECT OF M/S BALDEV SINGH FOREST LAND FOR THE CONSTRUCTION OF 1 MW LOWER **PROJECT HYDRO** POWER **TEHSIL** SMALL DISTT **DHARAMSHALA** OF **KANGRA** WITHIN JURISDICTION OF DHARAMSHALA FOREST DIVISION.

As per report of Sub Divisional Officer (Civil) Dharamshala vide letter no. 507/SDK dated 19-07-2017 and Joint inspection report, it is certified that there is no-other alternative land than the forest land in Mohal Bagiarra, Kand Tehsil Dharamshala District Kangra for the construction of 1 MW Lower Iqu-1 Small Hydro Power Project in Tehsil Dharamshala of Distt Kangra H.P.

No. 44.68 ... /DRA

Dated: 08/08/2018

Collector Kangra Distt. at Dharamshala

DIVERSION OF 0.5151 HA. OF FOREST LAND FOR CONSTRUCTION OF LOWER IKU - 1 SMALL HYDRO PROJECT 1 MW IN DISTRICT KANGRA (H.P.)

FILE NO. : FP/HP/

FP/HP/HYD/41533/2019

DATE OF PROPOSAL

CHECK LIST SERIAL NUMBER - 9

JUSTIFICATION FOR LOCATING THE PROJECT / ROAD AND OTHER COMPONENTS ON THE FOREST LAND IN THE CONSTRUCTION OF LOWER IKU – I SMALL HYDRO PROJECT (1 MW) DISTRICT KANGRA (H.P.)

Certified that, location of all the civil components of the Lower Iku SHEP 1 MW including Water Conducting System of 360 m and Penstock of 445 m length, Weir Site and Power House is feasible in the forest land only. There is no Non Forest / Private Land available in the vicinity of the Project area so all the components of the Project have been proposed in the forest land only. Moreover, the Hydro Power Projects are site specific and the Project area is surrounded with forest land from all sides near village Bagiarra and Village Kand, Tehsil Dharamshala, District Kangra (H.P.).

For M/s Mongra Hydro Construction (P) Ltd.

Place: Shahpur

Dated:

Authorised Signatory

Countersigned by:

Divisional Forest Officer Dharamshala Forest Division Dharamshala