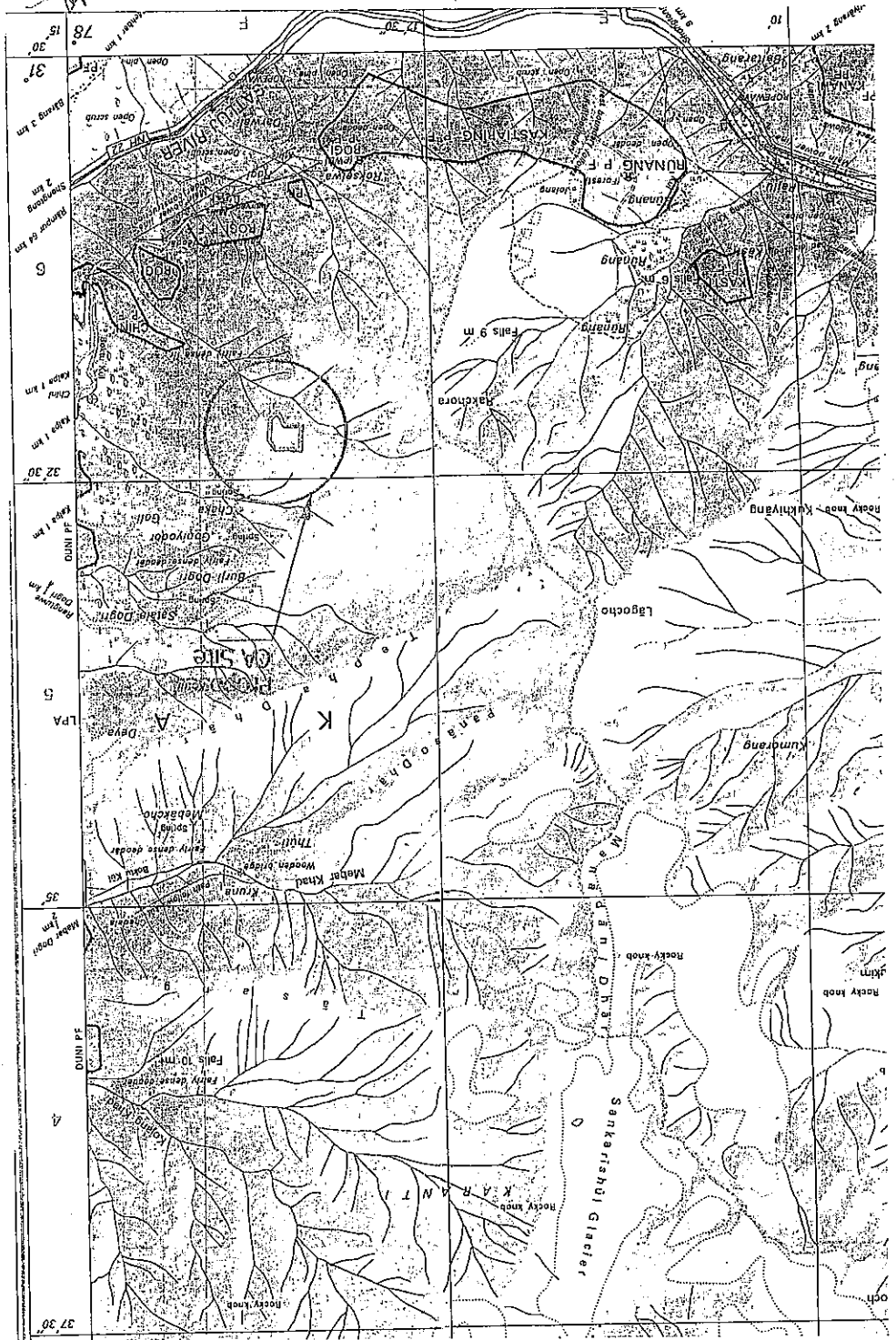


Survey Sheet of Shongtong - Karcham Hydro-Electric Project for the MoEF, Govt of Forest Clearance under Forest FCA, (10.00 Hect.)



PROJECT:-
Shongtong Hydro-Electric Project for the MoEF, Govt of Forest Clearance under Forest FCA, (10.00 Hect.)

Project Proponent:-
HPPCL Building,
HPPCL, Reckong-Peo

NAME OF FOREST RANGE
KAI PA RANGE

NAME OF FOREST DIVISION
KINNAUR, at Reckong-Peo

AREA OF PROPOSED CA SITE

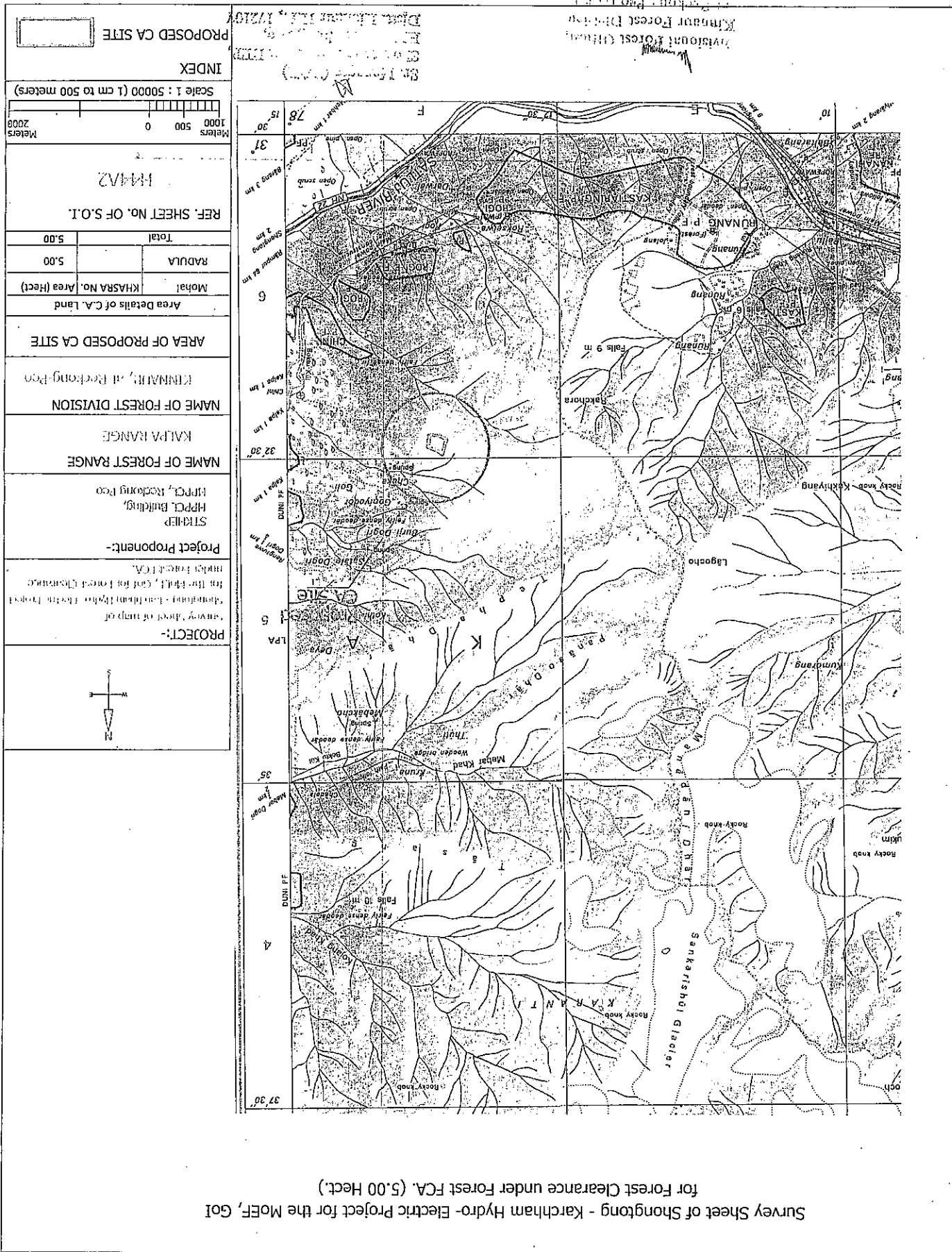
Area Details of C.A. Land	
Mohal	KHASRA No. Area (Hect)
RAOULA	10.00
Total	10.00

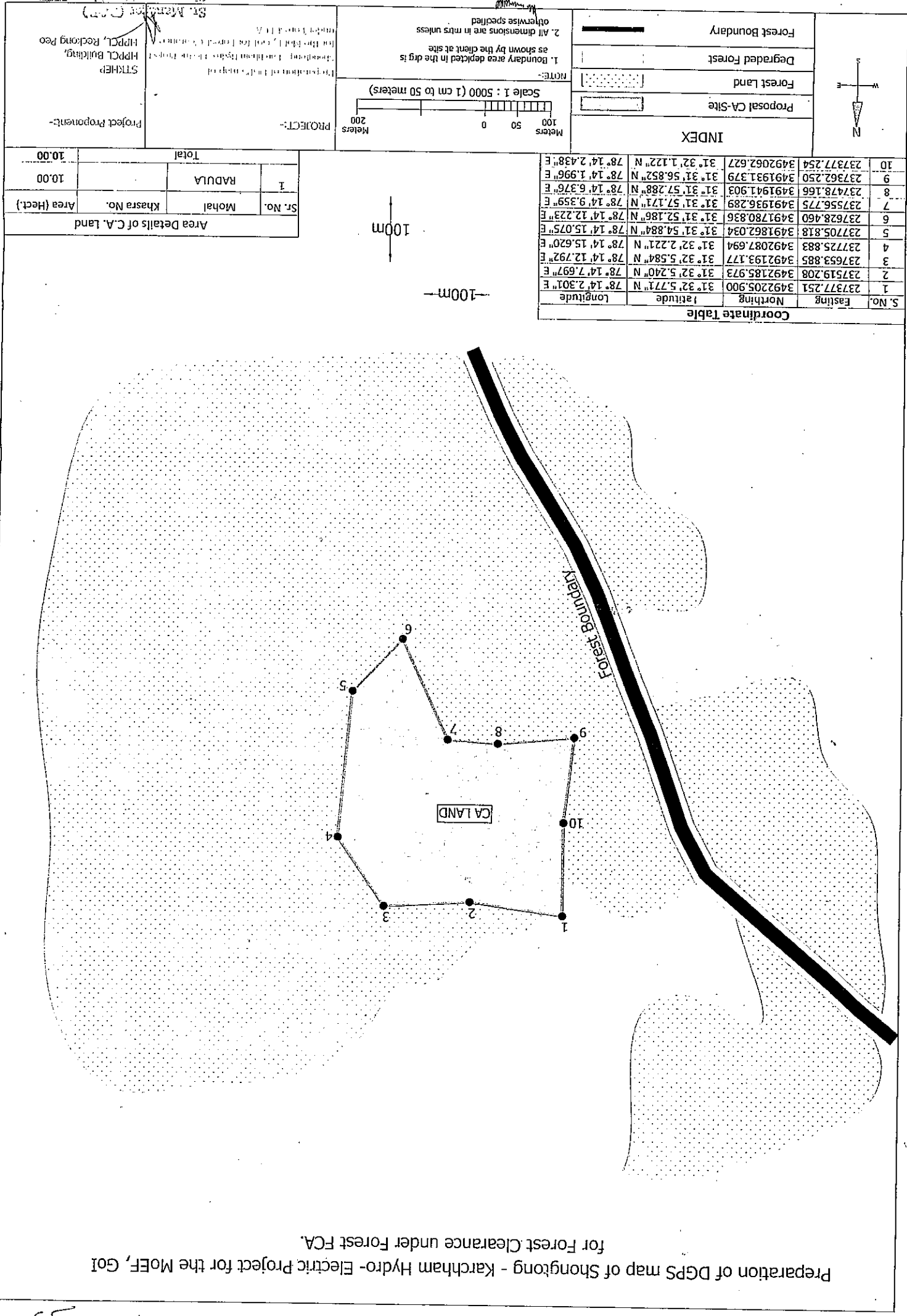
REF. SHEET No. OF S.O.I.
H44A2

INDEX
Scale 1 : 50000 (1 cm to 500 meters)

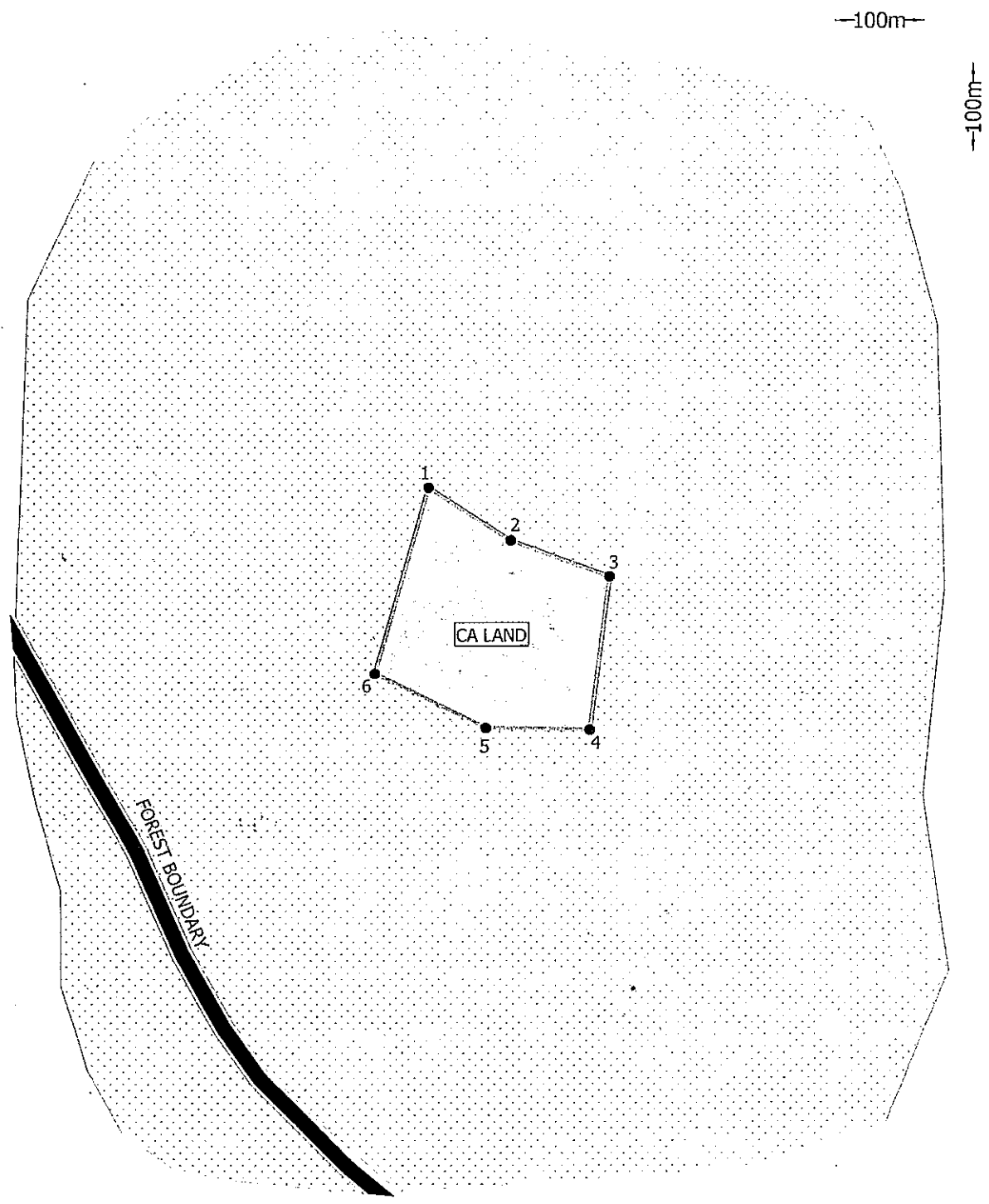
PROPOSED CA SITE

Survey Sheet of Shongtong - Karchham Hydro-Electric Project for the MoEF, Govt of Forest Clearance under Forest FCA. (5.00 Hect.)





Preparation of DGPS map of Shongtong - Karchham Hydro- Electric Project for the MoEF, GoI for Forest Clearance under Forest FCA.

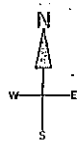


Coordinate Table

S. No.	Easting	Northing	Latitude	Longitude
1	237831.559	3491816.750	31° 31' 53.517" N	78° 14' 19.881" E
2	237925.947	3491756.767	31° 31' 51.649" N	78° 14' 23.514" E
3	238039.623	3491715.596	31° 31' 50.406" N	78° 14' 27.859" E
4	238016.742	3491539.468	31° 31' 44.673" N	78° 14' 27.160" E
5	237897.536	3491541.667	31° 31' 44.647" N	78° 14' 22.643" E
6	237768.773	3491603.716	31° 31' 46.555" N	78° 14' 17.707" E

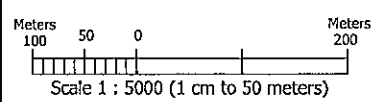
Area Details of C.A. Land

Sr. No.	Mohal	Khasra No.	Area (He)
1	RADULA		5.00
Total			5.00



INDEX

Proposal CA-Site	
Forest Land	
Forest Boundary	



NOTE:-

1. Boundary area depicted in the drg is as shown by the client at site
2. All dimensions are in mtrs unless otherwise specified

PROJECT:-

Preparation of DGPS map of Shongtong - Karchham Hydro Electric Project for the MoEF, GoI for Forest Clearance under Forest FCA.

Project Proponent:-

STKHEP
HPPCL Building,
HPPCL, Reckong Poo

OFFICE OF THE COLLECTOR, KINNAUR DISTRICT AT

RECKONG PEO, H.P.

No. KNR-(DRA)/-1070596

Dated 27/09/19

NON-AVAILABILITY OF NON FOREST LAND CERTIFICATE

On the basis of report vide letter No. SDK-07-II (OK)/2374 dated 24-09-2019 of SDO (C), Kalpa at Reckong PEO & Basis of joint inspection report it is certified that the land area measuring 7-37-22 Hect. in up mohal Raang, Usaring, Tangling & Powari Tehsil Kalpa, District Kinnaur, H.P. is a forest land. It is further certified that no non forest land is readily available for construction of Shongtong Karchham Hydro Electric Project (450 MW) District Kinnaur, H.P.

It is also certified that the diversion of this forest land area measuring 7-37-22 Hect. in up mohal Raang, Usaring, Tangling & Powari Tehsil Kalpa, District Kinnaur, H.P. for construction of the Shongtong Karchham Hydro Electric Project (450 MW) is inescapable. The non availability of non forest land certificate is issued accordingly.

Place- Reckong PEO.
Dated :

Collector,
District Kinnaur
at Reckong PEO.

Dist. Kinnaur H.P., 172107
17/09/19
1070596



श्री अरवि
जयपुर का नगर पालिका
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS

BY SPEED POST

E-mail: sanchiia@nic.in
sansom_2059@yahoo.co.in

Telex: 011-24360488

F.No. J-12011/50/2007-IA-1

Date: 19th May 2011

The Deputy General Manager
Shongtong-Karcham Hydro-Electric Project
Himachal Pradesh Power Corporation Ltd
Kinfe-Building, Reckong Poo - 172 102
District Kinnaur
Himachal Pradesh

Subject: Shongtong-Karcham 402 MW Hydroelectric Power Project in
District Kinnaur of Himachal Pradesh by M/s Himachal Pradesh
Power Corporation Ltd. - Environmental Clearance regarding.

-This has reference to your letter No./HPCL/DGM/SKHEP/DO-10/09-
1775-79, dated 22.8.2009 and subsequent letters dated 3.10.2009, 30.11.2009,
9.2.2010, 10.3.2011 and 19.3.2011 on the above mentioned subject.

2. It is noted that the project envisages construction of 23m high diversion
barrage across river Satlu near village Fowar for Generation of 402 MW
hydropower. This is run-of-the-river scheme. The catchment area at barrage site
is 47,960 sq. km. The total land requirement for the project is about 77,3326 ha
out of which 63,5015 ha is forest land & 13,8311 ha is private land. Stage-1 Forest
Clearance has been accorded for diversion of 63,501 ha of forest land. An
underground powerhouse is proposed on the left bank of the river near village
Ralli with 3 units of 134 MW each. A total of 158 families are likely to be affected
due to this project. The total cost of the project is Rs. 1507.30 Crores.

3. The above proposal was considered by the Expert Appraisal Committee for
River Valley & Hydroelectric Power Projects in its meetings held on 14.9.2009,
15.12.2009 and 19.2.2010. The Public Hearing for the Project was conducted on
28th-29th July, 2009.

St. Manager (R&R)

Sh. Sanchiia HEP,

Kang-Poo,

District Kinnaur H.P., 172107

Part A: Specific Conditions

- EIA/EMP Report shall be completed in 5 years-

B) Engineering Measu

- (iii) All commitments made during the public hearing shall be fulfilled completely.

- (iv) A scientific study from a reputed institute for deciding the minimum environmental flow to be released during the lean season should be undertaken. Till the study is completed, 20 % of the average flow of four consecutive leanest months of 90% dependable year shall be maintained as environmental flow. After the study is completed, whichever is higher figure shall be adopted.

DR. HILTON L.B., 172107

(v) The equipment likely to generate high noise levels during the construction period or otherwise shall meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under Environment Protection Act (EPA), 1986.

(vi) Consolidation and compilation of the muck shall be carried-out only in the designated muck dumping sites, approved by the State Pollution Control Board. As per the proposed muck disposal plan given in your EIA/EIR, about 3.57 Mm³ will be generated out of which 0.47 Mm³ will be reutilized for back filling and 1.05 Mm³ as construction material/protection works and remaining 2.04 Mm³ shall be disposed off at a designated disposal areas. This shall be strictly implemented. The dumping sites shall be at least 30 m horizontally away from the high flood level of the river.

(vii) The proposed Compensatory Afforestation Programme on 120 ha of land with identified plant species @1500 plants per hectare shall be taken-up immediately. The allocated funds for this purpose shall not be diverted to any other purpose.

(viii) Greenbelt development in 40 ha of land along the approach roads, residential areas, office complex, barge site and other working areas with various native plant species shall be undertaken immediately. The allocated budget of Rs. 40 lakhs for this purpose shall not be diverted to any other purpose.

(ix) The revised Fisheries Management Plan submitted vide letter no. HPPCL/ESMU-2/Shongrong/09-1658-61 dated 9th February, 2010 shall be undertaken in consultation with the Fisheries Department, Government of Himachal Pradesh. Breeding and hatching of indigenous fish i.e. Snow Trout will be carried out separately. The same shall also be followed in the proposed hatchery at Sangla with separate bays.

(x) The proposed Wildlife Management & Development and Conservation of Biodiversity Plans at a cost of Rs. 764.50 lakhs shall be taken-up strictly as outlined in the EIA/EMP Report and implemented in consultation with the State Forest Department without any diversion of funds. A report of implementation shall be included in the sixth monthly compliance report to be submitted to the Ministry.

(xi) About 1.5% of the total project cost shall be spent for the Local Area Development.

(xii) Any other clearance from any other organization/department, if required shall be obtained.

Dr. P. K. Singh (B.P.R.)

Joint Secretary, Environment, Government of India

Ministry of Environment and Forests, New Delhi-110003

Scanned by CamScanner
Project File No. 172107

Part-B General Conditions

- (i) Adequate arrangement for providing fire fuel like Kerosene/Wood/LPG shall be made for the labour engaged in the construction work so that indiscriminate felling of trees is prevented.
- (ii) Medical facilities as well as recreational facilities shall also be provided to the labours.
- (iii) Labours to be engaged for construction work shall be thoroughly examined by health personnel and adequately treated before issuing them work permit.
- (iv) No fugitive dust emissions should be observed at the construction sites. Water sprinkling arrangements shall be made to suppress the fugitive emissions.
- (v) Potable drinking water and proper sanitary facilities shall be provided for the labour force and the local area people.
- (vi) Restoration of construction area including dumping sites shall be ensured by leveling, filling up of borrow pits, landscaping etc. The area shall be properly treated with suitable plantation.
- (vii) Separate financial provision shall be made in the total budget of the project for implementation of the above suggested safeguard measures. The same shall be informed to the Ministry.
- (viii) Environmental parameters shall be monitored and six monthly monitoring reports shall be submitted to the Regional Office of the Ministry and State Pollution Control Board for their review.
- (ix) A Multi-Disciplinary Committee (MDPC) to monitor environmental safeguards during the construction shall be constituted by the Ministry on the suggestions of the Proponent. Six monthly monitoring report of this Committee shall be displayed on the web-site of the Proponent.
- (x) Videography of the project area shall be carried out to ascertain that no damage occurs to the houses of the villagers/local people and in case any damage occurs, the PP shall pay compensation for the damages.

5. The Project Proponent shall provide full cooperation and all required documents / data to the Officials of relevant Regional Office of MOEF who would be monitoring the implementation of environmental safeguards.

6. Besides the above stated conditions, the Project, Proponent and Government of Himachal Pradesh shall also implement all other environmental safeguards, as proposed in the EIA/EMP report and other reports from time to time.

7. The environmental management plan shall be strictly adhered to and a sum of Rs. 84,891 Crores, the budgetary provisions for implementation of EMP shall not to be diverted for any other purpose.

8. Any change in the scope of the project shall be intimated to the Ministry and fresh approval if required, shall be taken from the Ministry.

9. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.

10. This clearance letter is valid for a period of 10 years from the date of issue of this letter for commencement of construction work.

11. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom any suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

12. The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>.

13. After 5 years of the commissioning of the Project, a study shall be undertaken regarding impact of the project on the environment and downstream ecology. The study shall be undertaken by an independent agency, decided in consultation with the Ministry.

14. The Project Proponent shall submit six monthly compliance reports of the stipulated EC conditions and the monitoring data (both in hard copies as well by e-mail) to the respective Regional office of MoEF and the State Pollution Control Board. Both monitoring and compliance reports shall be up-loaded on the Web-site of the Proponent.

Yours faithfully,

 (Sanchita Jindal)
 Director

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi-1.
2. The Adviser (Power), Planning Commission, Vojna Bhawan, New Delhi-1.
3. Principal Secretary (Power), Government of Himachal Pradesh, Shimla.
4. The Secretary, Department of Environment, Government of Himachal Pradesh, Shimla.
5. The Secretary, Ministry of Water Resources, Shram Shakti Bhawan, Rafi Marg, New Delhi-1.
6. The Chief Engineer, Project Appraisal Directorate, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110 066.
7. The Northern Regional Office, Ministry of Environment & Forests, Bays No. 24-25, Sector-31 A, Dakshin Marg, Chandigarh-160 022.
8. Member Secretary, Himachal Pradesh State Pollution Control Board, Himachal Pradesh.
9. E1- Division, Ministry of Environment & Forests, New Delhi-110 003.
10. Guard file.

(Sanchita Jindal)
 Director

Himachal Pradesh State Pollution Control Board
'Him Parivesh', Phase -III, New Shimla-171009, HP.

Form-XIII
(See Rule 22)

Application for Consent to Industry/Operate/Renewal the industrial plant/plants under
Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974.

Application for Consent to Establish or take any step to establish any Industry, operation processes or any
treatment and disposal system for discharge, under Section-25 or continuation or discharge under Section -26
of the Water (Prevention and Control of Pollution) Act, 1974.
RCTE for the period(01/04/2019-31/03/2020)

From

Shongtong Karchham HEP, M/s Shongtong Karchham HEP HPPCL-
Reckong Peo, Distt. Kinnaur HPPCL Corporate Office, Tulikandi,
Shimla R-Peo, City: Reckong Peo
Block: Kalpa
District: Kinnaur

To

The Member Secretary,
Himachal Pradesh Pollution Control Board,
Him Parivesh, Phase-III, New Shimla,
Shimla- 171009, HP.

Sir,

I / we hereby apply for Consent/ Renewal of Consent under Section-25 of Water (Prevention and
Control of Pollution) Act, 1974 (6 of 1974) to establish or take any step to establish any Health Care
Facility/CBWT/Research Lab or operation or process or a treatment and disposal system or any extension
or addition to bring into use any new altered outlet for discharge of sewage / trade effluent*
to continue to discharge sewage /trade effluent * from land/ premises owned by Shongtong Karchham HEP

The other relevant details are below:

St. Manager (R&R)
Shongtong-Karchham HEP,
HPPCL, Reckong-Peo,
Distt. Kinnaur H.P., 172107

"This is computer generated document from OCMMS by HPSPCB"

1.	Full name of the Industry	Shonglong Karchham HEP			
2.	Nationality of the applicant	Indian			
3.	Type of Industry	State Government			
4.	Full Address of the Industry with PIN Code:	Name of applicant: Sharma Address: New HPPCL Building District: Kinnaur Block: Kalpa			
5.	Details of Establishment etc.:				
	(a) Approximate date of proposed Establishment:	Month: January	Year: 2013		
	(b) Expected date of commencement of date of Operation:	Month: January	Year: January		
6.	Total number of employee expected to be Employed	: 80			
7.	Details of license/registrations, if any obtained under the provisions of Industrial Development Regulation Act, 1951.	Registration No.: U40101HP2006SGC030591 Registration Add.: U40101HP2006SGC030591 Registration Date: 2013			
8.	Name of the person authorised to sign this form (the original authorization except in the case of individual proprietor concern is to be enclosed)	Er. T N Negi			
9.	List of raw materials with monthly consumption rate (MT/month)				
	Raw Materials	Quantity	Unit		
	387.39 Cumecs of De-silted water is drawn from river satuj for generation of 450 MW of Electricity	1004114880	K.L./Month		
10.	List of products with monthly production rate (MT/month)				
	Name of Products	Quantity	Unit	Intermediate Product	Principal Use
	Electricity generated	1735	Millions/Year	1735 Million	To strengthen the Northern grid
11.	List of By Product Details				
	Name of By Products	Unit	Installed Capacity	Average Production	
	De-silted water From TRT is to be feed to the main River	K.L./Year			
	(c) License/Registration of Annual Capacity of the Industry, Operation or process etc.:	46429.0			
	Expansion Cost				
12.	Source of Water and Consumption Detail:				
	Usage	St. Manager (R&R)			

Shonglong Karchham HEP,
 HPPCL, Block: Kalpa,
 Dist. Kinnaur H.P., 172107

"This is computer generated document from OCMMS by HPSPCB"

"This is computer generated document from OCMMS by HPSPCB"

Distt. Kullu, H.P., 172107
HPPCB, P.O. Baddi, Distt. Kullu, H.P.
Shri. Manoj Kumar (R.R.)
Sri. Manager (R.R.)

Yours faithfully,
Signature :
Name of the application :
Designation :
Address :

13.	Whether permission for water abstraction has been taken from the Competent Authority (enclose copy).	Yes
14.	(a) Effluent Currently Discharged or Expected	
	Type of Effluent	Capacity (KLD)
	(c) What monitoring arrangement is currently existing or proposed to be created?	Quantity (KLD)
15.	Process of treatment (if industry has any treatment plant for industrial, domestic or combined effluent).	
	Description	Quantity (in KLD)
	Method of Treatment	Method of Disposal
16.	Water Emission Discharge	
	Installed	Capacity
	Method of Disposal	Unit
17.	Please indicate whether storm water drains are kept separate from industrial/domestic effluent drains.	
18.	Please indicate expected composition of the effluent. In case of operational industry actual composition of the effluent is to be indicated and latest analysis report to be attached.	
19.	(a) Are facilities available with the applicant for carrying out the test of waste water	
	Test of Waste Water	Existing
	Proposed	
20.	I/we further declare that the information furnished above is correct to the best of my/our knowledge.	
	I/we hereby submit that in case of change either of the point of discharge or the quantity of discharge or its quantity, a fresh application for CONSENT shall be made and until such CONSENT is granted no change shall be brought into use.	
	I/we hereby agree to submit to the Himachal Pradesh State Pollution Control Board an application for Renewal of Consent one month in advance of the date of expiry of the consented period for outlet/discharge if, to be continued thereafter.	
	I / we undertake to furnish any other information within one month of its being called for by the Himachal Pradesh State Pollution Control Board.	
	I/we, enclose herewith Bank Draft No. 000213 Date 13/03/2019 for Rs 280000.00 (Rupees) in favour of the Environmental Engineer/ Assistant Environmental Engineer / Regional Officer, Himachal Pradesh State Pollution Control Board, payable at under section-25 of the Act as per the Fee Schedule attached.	

No. FFE-B-R-(2)-10/2012
Government of Himachal Pradesh
Department of Forest.

From

The Principal Secretary (Forest) to the
Government of Himachal Pradesh.

To

The Assistant Inspector General of Forests,
Government of India, Ministry of Environment and Forests,
P.C. Division
Bharat Bhawan, C-10 Complex,
Lodhi Road, New Delhi-110003.

Dated, Shimla-2 the

Revised (2A) Plan of Shongtong Karbham HEP (402B IV)
under Kinnaur Forest Division Forest Circle.

Sir,

I am directed to refer to this department letter of even no. dated 23-08-2012 on the subject cited above and to enclose a copy (the original) of revised C.A. Plan from Rs. 6044.00 lakh to Rs. 6040.00 lakh of 2A IV Shongtong Karbham Hydro Electric Project lakh within the jurisdiction of Kinnaur Forest Division of Ranpur Forest Circle duly approved by the State Government for further action may act on at your end please.

Yours faithfully,

(Prakash Kandi)

Under Secretary (Forest) to the
Government of Himachal Pradesh
0177-2386418, 04184-253573

Dated Shimla-2 the

6-3-2014

12. C.A. of Change value of forest (110) T.H.P. with his letter No. 110
C.A. 18/03/2014 Shongtong Karbham HEP (2A) IV for further action

Sr. Manager (R&R)

Shongtong-Karbham HEP
HPPCL, Reckong-Peo,
District Kinnaur H.P., 17210

(177-2386418, 04184-253573)

(Prakash Kandi)
Under Secretary (Forest) to the
Government of Himachal Pradesh

11/3/14

7/3

7/3

Recd (copy)

5208
12/3/14

34

Recd Post

Pvc

RESTORATION AND LANDSCAPING OF CONSTRUCTION SITES

7.1 INTRODUCTION

The landscape and restoration plan targets towards overall improvement in the condition of the area. The landscape plan provides benefits to improve beautification and its utility. All the activities are aimed at restoring the areas where scars would be formed. The restoration would prevent soil erosion enhance forest cover and stabilize degraded areas.

7.2 RESTORATION PLAN FOR QUARRY SITE AND BORROW AREA

A project of this magnitude would require significant amount of construction material. The details are given in Table-7.1.

TABLE-7.1 Detail of Construction Material Required

S. No.	Material	Unit	Quantity
1.	Coarse aggregate	lac m ³	2.97
2.	Fine aggregate	lac m ³	1.50
3.	Cement	MT	14,000
4.	Structural steel	MT	6,200
5.	Reinforcement steel	MT	20,323
6.	High Tensile steel	MT	12,824

The sand required for the project is proposed to be taken from Satuj river bank. An aggregate manufacturing equipment sand processing plant will be located at quarry site near village Powari, the site is away from habitation. The impervious material required for cofferdam will be met locally. The material for riprap is available on the river banks at site.

The cement will be transported from ACC Barmana and Ambuja cement factories. The steel transported from Jalandhar by road. The quarrying operations are semi-mechanized in nature. Normally, in a hilly terrain like Himachal Pradesh, quarrying is normally done by cutting a face of the hill. A permanent scar is likely to be left, once quarrying activities are over. With the passage of time, the rock from the exposed face of the quarry under the action of wind and other erosion forces, get slowly weathered and after some time, they become a potential source of landslide. Thus it is necessary to implement appropriate slope stabilization measures to prevent the possibility of soil erosion and landslides in the quarry sites.

Similarly, the proposed project would require significant amount of fine material, which can be met either by crushing the aggregates or by excavation from borrow areas. In the proposed project, large quantity of fines shall be required, which would entail excavation from borrow pits. Normally, such sites are left untreated after excavation of the construction material. The pit so created impedes the natural drainage, increases the potential for soil erosion and stores rain water and runoff. These pools of water can serve as habitats for proliferation of mosquitoes, which can lead to increased incidence of vector-borne diseases.

7.3 RESTORATION PLAN FOR QUARRY SITE AND BORROW AREA

The following biological and engineering measures are suggested for the restoration of quarry site:

- Garland drains around quarry site to capture the runoff and divert the same to the nearest natural drain.
- Construction of concrete guards check the soil erosion of the area.
- The pit formed after excavation be filled with small rocks, sand and farmyard manure.
- Grass slabs will be placed to stabilized and to check the surface runoff of water and loose soil.

Since the quarry site is in the submergence area thus, the River Bed Mining (RBM) material will replenish itself annually in monsoon season. Since no gangue or mine spoil will be generated (RBM has 100% utilization rate) therefore there is no need for disposal. The quarried material will be stacked at leveled dumping site. As per Muck Management Plan, excess capacity for dumping is available. Figure 1.1, gives the pectoral view of submergence area and Table 1.1, in Chapter 1, gives detail of trees required to be cut in submergence area, Table 7.2 gives details of availability of raw material for construction.

TABLE 7.2: Detail of availability of adequate quantities of raw material (Coarse/Fine aggregate) per year construction of SKHEP

Site No.	Name of Quarry Site	Quantity (cubic meters)
1	25 m D/S of Drift to Desanding chamber	24,241.00
2	25 m U/S of Drift to Desanding chamber	17,622.75
3	At Barrage	8,891.25
4	At Barrage	39,337.50
5	Near Stone Crusher at Powari	30,137.25
6	U/S of Discharge site	9,975.00
7	U/S of Discharge site	17,672.00
8	Near Tangling Jhula	9,265.00
TOTAL		157,141.75 say (157,142.00)

Since all the sites are in river bed thus they will replenish themselves every year. So for the 5½ years of construction phase it will come out to be = $157,142 \times 5 \frac{1}{2}$

$$= 864,279.625 \text{ cubic meters}$$

$$= 8.6 \text{ lakh cubic meters}$$

In case the required material fell short of demand then HPCL will use its already existing quarry of Kashang Project at Jangli.

The necessary NOC/approval from the mining department and other approvals for use of quarry sites will be taken after acquisition of land.

At the present level of investigations a tentative provision of Rs.105 lakh can be earmarked for quarry and borrow slope stabilization. The details are given in Table-7.3.

TABLE-7.3: Cost estimate for restoration of borrow area

S. No.	Activities/purpose	Cost (Rs. lakh)
1	Filling up the land with soil	10.0
2	Cost of green manure	4.0
3	Cost of sapling (10,000 saplings/ ha) @ Rs.5.00 per sapling	0.5
4	Cost of fertilizers and pesticides	4.0
5	Fencing with RCC pillars and barbed wire	3.0
6	Maintenance activities including cleaning of weeds @ Rs.50,000 for 5 years	2.5
7	Digging of pits	1.0
8	Construction of garland drain	20.0
9	Bench terracing	50.0
Total		105.0

7.4 LANDSCAPING AND RESTORATION PLAN

Area for landscaping: The working areas of barrage site, power house complex colony area have been selected for beautification of the project area after construction is over.

The reservoir created due to the construction of barrage may be a local point of tourist attraction. This could be used for sport fishing, so there is a need to construction of benches for sitting, development of resting sheds and footpath. The beautification would be carried out by developing flowering beds for plantation ornamental plant and flower garden.

There would be sufficient open space in power house complex and colony area. Forested area in the power house complex would provide aesthetic view and add to natural seismic beauty. The beautification in the colony area would be carried out by development of flowering beds for plantation of ornamental plant, creepers, flower garden and a small park, construction of benches for sitting, resting sheds, walk way and fountain. A provision of Rs.50 lakh has been earmarked for landscaping and beautification of the area.

7.5 BUDGET

A total provision of (105.0 + 50.0) Rs. 155.0 lakh, (has been earmarked) for restoration of quarry and borrow area, reclamation of construction sites, landscaping and beautification.

St. Manager (R&R)
Shangdong Technical MFP,
H.P.C., Kumbhariya, Distt. Kumbhariya, 172107

RESTORATION AND LANDSCAPING OF CONSTRUCTION SITES

CHAPTER - 7

7.1 INTRODUCTION

The landscape and restoration plan targets towards overall improvement in the condition of the area. The landscape plan provides benefits to improve beautification and its utility. All the activities are aimed at restoring the areas where scars would be formed. The restoration would prevent soil erosion enhance forest cover and stabilize degraded areas.

7.2 RESTORATION PLAN FOR QUARRY SITE AND BORROW AREA

A project of this magnitude would require significant amount of construction material. The details are given in Table-7.1.

TABLE-7.1 Detail of Construction Material Required

S. No.	Material	Unit	Quantity
1.	Coarse aggregate	lac m ³	2.97
2.	Fine aggregate	lac m ³	1.50
3.	Cement	MT	14,000
4.	Structural steel	MT	6,200
5.	Reinforcement steel	MT	20,323
6.	High Tensile steel	MT	12,824

The sand required for the project is proposed to be taken from Saliu river bank. An aggregate manufacturing equipment sand processing plant will be located at quarry site near village Powari, the site is away from habitation. The impervious material required for cofferdam will be met locally. The material for riprap is available on the river banks at site.

The cement will be transported from ACC Barmana and Ambuja cement factories. The steel transported from Jalandhar by road. The quarrying operations are semi-mechanized in nature. Normally, in a hilly terrain like Himachal Pradesh, quarrying is normally done by cutting a face of the hill. A permanent scar is likely to be left, once quarrying activities are over. With the passage of time, the rock from the exposed face of the quarry under the action of wind and other erosion forces, get slowly weathered and after some time, they become a potential source of landslide. Thus it is necessary to implement appropriate slope stabilization measures to prevent the possibility of soil erosion and landslides in the quarry sites.

Similarly, the proposed project would require significant amount of fine material, which can be met either by crushing the aggregates or by excavation from borrow areas. In the proposed project, large quantity of fines shall be required, which would entail excavation from borrow pits. Normally, such sites are left untreated after excavation of the construction material. The pit so created impedes the natural drainage, increases the potential for soil erosion and stores rain water and runoff. These pools of water can serve as habitats for proliferation of mosquitoes, which can lead to increased incidence of vector-borne diseases.

7.3 RESTORATION PLAN FOR QUARRY SITE AND BORROW AREA

The following biological and engineering measures are suggested for the restoration of quarry site:

- Garland drains around quarry site to capture the runoff and divert the same to the nearest natural drain.
- Construction of concrete guards check the soil erosion of the area.
- The pit formed after excavation be filled with small rocks, sand and farmyard manure.
- Grass slabs will be placed to stabilize and to check the surface runoff of water and loose soil.

Since the quarry site is in the submergence area thus, the River Bed Mining (RBM) material will replenish itself annually in monsoon season. Since no gangue or mine spoil will be generated

Dr. Manoj K. R. S.
Geotechnical Engineer (R&R)
M. Sc. in Geotechnical Engineering
IIT Bombay

(RBM has 100% utilization rate) therefore there is no need for disposal. The quarried material will be stacked at leveled dumping site. As per Muck Management Plan, excess capacity for dumping is available. Figure 1.1, gives the pectoral view of submergence area and Table 1.1, in Chapter 1, gives detail of trees required to be cut in submergence area, Table 7.2 gives details of availability of raw material for construction.

TABLE 7.2: Detail of availability of adequate quantities of raw material (Coarse/Fine aggregate) per year construction of SKHEP

Site No.	Name of Quarry Site	Quantity (cubic meters)
1.	25 m D/S of Drift to Desanding chamber	24,241.00
2.	25 m U/S of Drift to Desanding chamber	17,622.75
3.	At Barrage	8,891.25
4.	At Barrage	39,337.50
5.	Near Stone Crusher at Powari	30,137.25
6.	U/S of Discharge site	9,975.00
7.	U/S of Discharge site	17,672.00
8.	Near Tangling Jhula	9,265.00
TOTAL		157,141.75 say (157,142.00)

Since all the sites are in river bed thus they will replenish themselves every year. So for the 5½ years of construction phase it will come out to be = 157,142 x 5 ½

= 864279.625 cubic meters

= 8.6 lakh cubic meters

In case the required material fell short of demand then HPPCL will use its already existing quarry of Kashang Project at Jangl.

The necessary NOCs/approval from the mining department and other approvals for use of quarry sites will be taken after acquisition of land.

At the present level of investigations a tentative provision of Rs.105 lakh can be earmarked for quarry and borrow slope stabilization. The details are given in Table-7.3.

TABLE-7.3: Cost estimate for restoration of borrow area

S. No.	Activities/purpose	Cost (Rs. lakh)
1.	Filling up the land with soil	10.0
2.	Cost of green manure	4.0
3.	Cost of sapling (10,000 saplings/ ha) @ Rs.5.00 per sapling	0.5
4.	Cost of fertilizers and pesticides	4.0
5.	Fencing with RCC pillars and barbed wire	3.0
6.	Maintenance activities including cleaning of weeds @ Rs.50,000	2.5
7.	Digging of pits for 5 years	1.0
8.	Construction of garland drain	20.0

S. No.	Activities/purpose	Cost (Rs. lakh)
9.	Bench terracing	50.0
	Total	105.0

7.4 LANDSCAPING AND RESTORATION PLAN

Area for landscaping: The working areas of barrage site, power house complex colony area have been selected for beautification of the project area after construction is over.

The reservoir created due to the construction of barrage may be a local point of tourist attraction. This could be used for sport fishing, so there is a need to construction of benches for sitting, development of resting sheds and footpath. The beautification would be carried out by developing flowering beds for plantation ornamental plant and flower garden.

There would be sufficient open space in power house complex and colony area. Forested area in the power house complex would provide aesthetic view and add to natural seismic beauty. The beautification in the colony area would be carried out by development of flowering beds for plantation of ornamental plant, creepers, flower garden and a small park, construction of benches for sitting, resting sheds, walk way and fountain. A provision of Rs.50 lakh has been earmarked for landscaping and beautification of the area.

7.5 BUDGET

A total provision of (105.0 + 50.0) Rs. 155.0 lakh, (has been earmarked) for restoration of quarry and borrow area, reclamation of construction sites, landscaping and beautification.

105.0

50.0

155.0

Name of Project: Shongtong Karchham HEP in Distt. Kinnaur, H.P.
Name of Executing Agency: Himachal Pradesh Power Corporation Limited.
Forest land involved: 7-37-22 Ha.

Cost Benefit Analysis

Case under which a cost-benefit analysis for forest diversion are required

Sr.No.	Nature of proposal	Applicable /not applicable	Remarks
1.	All categories of proposals involving forest land upto 20 hectares in plains and upto 5 hectare in hill.	Not applicable	
2.	Proposal for defence installation purposes and oil prospecting (prospecting only).	Not applicable	
3.	Habitation, establishment of industrial, units, tourist lodges complex and other building construction.	Not applicable	
4.	All other proposals involving forestland more than 20 hectares in plains and more than 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation projects, hydro projects, mining activity, railway lines, location specific installations like micro-wave stations, auto repeater centres, TV towers etc.	Applicable	The Shongtong-Karchham HEP 450 MW is being constructed on river Satlu in distt. Kinnaur, H.P. for which additional forest land measuring 09-43-17 Ha. is required due to change in design of HEP.

Parameters of Evaluation of Loss of Forest (Cost)

No.	Parameters	Rates of NPV (in Rs.)	Value of loss (in Rs)
1.	Ecosystem services losses due to proposed forest diversion.	6,99,000/- per Ha.	51,53,167/-
2	Loss of animal husbandry productivity, including loss of fodder.	10 % of NPV	5,15,316/-
3.	Cost of human resettlement	Nil	Nil
4.	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways, etc.) on forest land, which would require forest land if these facilities were diverted due to the project.	Nil	Nil
5	Possession value of forest land diverted	30 % of NPV	15,45,950/-
6.	Cost of suffering to oustees	Nil	Nil
7.	Habitat Fragmentation cost	50 % of NPV	25,76,583/-
8.	Compensatory afforestation and soil & moisture conservation cost.	3,18,749/ per Ha.	47,81,203/-
	Total		1,45,72,219/-

Or say Rs. 146 lacs.

Divisional Forest Officer,
Kinnaur Forest Division
at Reckong La (H.P.)

Sr. Manager (R&R)
Shongtong Karchham HEP,
Heekang-Poo,
Distt. Kinnaur H.P., 172107

PARAMETERS OF EVALUATION OF BENEFITS NOT WITH STANGING LOSS OF FORESTS (BENEFITS).

Nature of Proposal					Hydro Electric Project				
Sr. No.	Parameter	Applicability vis-à-vis nature of proposal and explanation.	Quantity of Benefit	Rate in Rupees	Monetary Value of Benefit (Rs. in lakh)	1.	2.	3.	4.
	increase in productivity attributable to the specific project	Applicable as in case of HEP. Though irrigation is not feasible in this run of the river project hence in primary sector no benefit may accrue yet the productivity increase in secondary and tertiary sector is likely to increase. This excludes revenue from sale of power.	50 units	10 000/- unit per year	250.00				
	Benefits to economy due to specific project.	Revenue from sale of power annually. For the total project period it would increase tremendously.	1735.50 Gwh (Giga-watt-hour) or 1735500000 units.	2.48 per unit	43040.40				
3.	No. of population benefited due to specific project.	Increase availability of power will give impetus to industry and service sector as indirect employment etc.	6000 persons	1000 per capita per year	3000.00				
4.	Economic benefit due to direct and indirect employment due to the project.	Direct employment (for period of three years)* (construction phase) 3000 persons Direct employment (for a period of 50 years)* (Post construction phase)	3000 persons	30000 per year	2700.00				
5.	Economic benefits due to compensatory afforestation.		50 years	NIL	0				
Total (Benefits)									53040.40

Notes @ Explanations.

- *The benefitting units in terms of an increase in productivity vary greatly in secondary and tertiary sectors. As such this kind of distant benefit is difficult to quantify and monetize. However, the taking the beneficiary as units (whether as industries, service sectors companies or individuals) the quantity of benefit is attempted to be defined for a period of 50 years. This is highly conservative estimate.
- All the benefit to the economy is calculated for a period of 50 years (ie expected life of the project) then it comes to 2152020 lac Rupees.
- However, the indirect employment in a post construction scenario is expected to then rise as the power supply begins to the industries and urban areas. About 4000 people are expected to benefit annually for a period of 50 years in the secondary and tertiary sectors @ Rs 1000 per person in a year gaining benefit of Rs 100 lac annually.

Divisional Forest Officer,
Kaimaur Forest Division
at Bhatnagar P.O. (M.P.)

Sr. Manager (R.S.P.)
State Forest Department, M.P.
Distt. Kaimaur M.P., 472107

4. \$Direct employment of people during construction period is to be the tune of 1000 persons @Rs 300per day for about 300 days in a year. During the construction phase approximately 250 people in service and trade would also benefit for which no monetization is possible. The direct employment would come down drastically in a post construction phase and about 25 persons would be there for maintenance and for power supply as regular employees @ Rs 9000/-pm average salary (annual Rs 27,00,000)

Cost Benefit Analysis.

Rs in lakh	Total loss(cost)	Total Benefit	Cost Benefit Ratio
146	53040.40	1:363.29	

Rs in lakh	Total loss(cost)	Total Benefit:	Cost Benefit Ratio	Total Benefit
146	53040.40	When only annual value of sale of power = Rs43040.40lac is taken into account.	1:363	2152020
Remarks		When value of sale of power =2152020 lac for 50 year taken into account.		

Mr. M. M. M.
Divisional Forest Officer,
Kinnaird Forest Division
at Rengong Pao ()

St. Manager (M.R.)
Shan State Forestry Dept.,
Bhamo, Shan State,
Distt. Kinnaird M.R., 172107

189
K.M. A.H. - C.M.S. Chaudhary
A-12
Fax No 223851

No. MPP-F(2)-5/2005-11
Government of Himachal Pradesh,
Department of MPP & Power,
The Pr. Secretary (Power) to the
Government of Himachal Pradesh.

The Chairman-cum-Managing Director,
Himachal Pradesh Power Corporation Ltd.,
Himachal Building,
Shimla-171001.

Dated, Shimla-2
6th January, 2007
Allotment of Hydro Electric Projects to Himachal Pradesh Power
Corporation Ltd. (HPPCL).

I am directed to refer to the subject cited above and to say that
the following Hydro Electric Projects shall be executed by the Himachal Pradesh
Power Corporation Ltd.:-

1. Shongtong Karchham (402 MW) HEP.
2. Chinggaon Mahagaon (46 MW) HEP.
3. Dhanwan Sunda (70 MW) HEP (subject to the final outcome of the
Arbitration).
4. Saini (100 MW) HEP.
5. Luni (700 MW) HEP.
6. Bhatnour (46 MW) HEP.
7. Harsat (63 MW) HEP.

Besides above, the Clause xxvii of Chapter -V of Hydro Power
Policy, 2006 provides as under:-

"There are good number of Projects which are yet to be
identified. The HPC/HPSRB shall identify such Projects. The Government of
Himachal Pradesh reserves the right either to allot these Projects upto 25.00
MW to HPC & HPSRB or offer it to the IPPs and above 25 MW to HPC & IPPs.
However, for Projects upto 25.00 MW, preference shall be given to Bonafide
Himachalis. The developer shall have to prepare PPRs and develop them
as per agreed terms & conditions of Hydro Power Policy."
There are a number of HEPs which have been identified by the
Independent Power Producer, the list of which is enclosed. Besides these, there may
be other HEPs for which identification is to be made.

You are, therefore, requested kindly to take immediate necessary
action in the matter and inform to this Department please.

This may be a TOP PRIORITY matter

Add. Superintending Engineer,
Investigation Division,
H. E. & Reckong Poon
Shimla-171001

Principal Secretary, Himachal Pradesh
St. Manoj (R.R.)
Shri. S. K. Karchham HEP,
H.P. Jackong-120,
Distt. Kidnour H.P., 172107

F. No. 8-78/2010-FC
Government of India
Ministry of Environment & Forests
(FC Division)

Paryavaran Bhawan,
C.G.O Complex, Lodi Road,
New Delhi - 110510.
Dated: 14th November, 2012.

To,

The Principal Secretary (Forests),
Government of Himachal Pradesh,
Shimla.

Sub: Diversion of 63.5015 ha of forest land for construction of 402 MW Shongtong-Karcham Hydro Electric Project in favour of Himachal Pradesh Power Corporation Limited (HPSB) in Kinnaur Forest Division in Kinnaur district of Himachal Pradesh.

Sir,

I am directed to refer to the State Government's letter no. Ft.48-1942/2009 (FCA) dated 04.09.2010 on the subject cited above seeking prior approval of the Central Government under the Forest (Conservation) Act, 1980. After careful consideration of the proposal by the Forest Advisory Committee constituted under section-3 of the said Act, in-principle approval was granted vide this Ministry's letter of even number dated 22.03.2011 subject to fulfillment of certain conditions. The State Government has furnished compliance report in respect of the conditions stipulated in the in-principle approval and has requested the Central Government to grant final approval.

2. In this connection, I am directed to say that on the basis of the compliance report furnished by the Nodal officer (FCA) of the State Government vide letter nos. Ft.48-1942/2009(FCA) dated 10.05.2011, Ft.48-1942/2004(FCA) dated 25.08.2012 and Ft.48-1942/2004(FCA) dated 16.10.2012, permission of the Central Government for diversion of 63.5015 ha of forest land for construction of 402 MW Shongtong-Karcham Hydro Electric Project in favour of Himachal Pradesh Power Corporation Limited (HPSB) in Kinnaur Forest Division in Kinnaur district of Himachal Pradesh under the provisions of Section 2 of Forest (Conservation) Act, 1980 is hereby granted subject to fulfillment of the following conditions:

1. Legal Status of the diverted forest land shall remain unchanged.
2. The Compensatory Afforestation (CA) will be raised and maintained over double the area proposed for diversion in a degraded forest land (i.e. 128 ha) at the cost of User Agency.
3. The User Agency shall pay additional NPV, if so determined, as per the final decision of Hon'ble Supreme Court of India.

4. All the funds received from the User Agency under the project shall be transferred to Ad-hoc CAMPA pertaining to the State.

5. The State Government shall ensure that minimum flow of 15% is maintained at all time.

6. The user agency shall set up Ecological Monitoring Unit to monitor the impact of the project on flora and fauna of the area.

7. The user agency shall keep the effect of camping labourers on the flora and fauna during the construction phase of 48 months at minimum by providing alternate fuel for cooking and heating.

8. The entire reservoir created due to submergence shall be declared Reserve Forest under Indian Forest Act, 1927 within six months. However, regulated fishing shall be allowed. Nodal Officer shall submit compliance report in this regard.

9. Catchment Area Treatment Plan should be implemented at the project cost under the supervision of the State Government.

10. Green belt of adequate width shall be raised by the user agency around the reservoir at the cost of the project.

11. The user agency shall facilitate a basin level study on the impact of HEPs on the flora & fauna of the area as per the TOR submitted to MOEF.

12. The user agency shall carry out muck disposal at pre-designated sites in such a manner so as to avoid its rolling down.

13. The dumping area for muck disposal shall be stabilized and reclaimed by planting suitable species by the user agency at the cost of project under the supervision of State Forest Department. Retaining walls and terracing shall be carried out to hold the dumping material in place. Stabilization and reclamation of such dumping sites shall be completed before handing over the same to the State Forest Department in a time bound manner as per Plan.

14. The User agency will consult other organisations having experience in construction of roads in hilly areas such as BRO to avoid frequent road blockade due to land slides etc and shall provide breast walls and retaining walls wherever necessary.

15. The Forest Department shall regenerate equivalent amount of degraded forest area, in addition to the condition no. 1. As the user agency does not have qualified manpower and control on forest area to execute the same, they have paid for the same to the CF, Rampur. The Forest Department shall implement the same and submit a compliance report.

16. The User Agency shall submit annual self monitoring report indicating status of compliance to the conditions stipulated in the approval, to the State Government and the concerned Regional Office of the Ministry.

St. ...
...
...
...
...

Sm

17. All other conditions including standard conditions applicable to the proposals under Forest (Conservation) Act, 1980 and under different rules regulations and guidelines including Environmental Clearance and rehabilitation shall be complied with before transfer of forest land

Yours faithfully,

(Shiv Pal Singh)
Sr. Assistant Inspector General of Forests

Copy to:-

1. The Principal Chief Conservator of Forests, Himachal Pradesh, Shimla.
2. The Nodal Officer (FCA), Forest Department, Himachal Pradesh, Shimla.
3. The Conservator of Forests (Central), Northern Regional Office, Chandigarh.
4. User Agency.
5. Monitoring Cell of FC Section.
6. Guard File.

Shiv Pal Singh
(Shiv Pal Singh)
Sr. Assistant Inspector General of Forests

Sr. Manager (RAT)
Sh. Pal Singh
Distt. Khanna L.R., 172107

80

No.SDK-29(MC)/-2617
Office of the Sub-Divisional Magistrate
Kalpa at Reckong Peo, Distt. Kinnaur, H.P.

To

The General Manager,
STKEP, HPPCL Reckong Peo,
District Kinnaur, H.P.

Dated: Peo-1722107 the 21st November, 2019.

Sub:

Diversion of 7.3722 Hectare of Adtl. Forest Land in favour of HPPCL
for the construction of Shongthong-Karchham HEP 450MW

Sir,

Please refer to your letter No. HPPCL/GM-STKHEP/AFL/2019-5317-
18 dated 19.11.2019 on the subject cited above.

In this context, requisition information as desired by you vide your
letter under reference is as under:-

Sr.No.	Name of village	Village code	Population
1.	Shudarang	004201	1789
2.	Tangling	006001	495
3.	Powari	006701	448+222=1165
4.	Barang	005801	1202

Yours faithfully,

Harsh Arvender Singh HPAS
Sub-Divisional Magistrate
Kalpa at Reckong Peo, H.P.

Dr. Manoj (S.A.)
Distt. Kinnaur H.P., 172107

No. Fl.48-4019/2019(FCA)

H.P. Forest Department.

Dated Shimla-1, the 8 NOV 2019

From:

Nodal Officer-cum-APCCF(FCA)
O/O Pt. CCF, H P (Hoff)

To:

The Senior Manager,
STKHEP HPPCL, Recongpo,
Distt Kinnaur, HP.

Subject:-

Diversion of 7.3722 ha of Addl. forest land in favour of Himachal Pradesh Power Corporation Ltd. for the construction of Shongtong Karchhan HEP 450 MW due to enhancement in the existing capacity of HEP 402 to 450 MW and due to change in the river course during flood and usage of already diverted dumping site used by BRO within the jurisdiction of Kinnaur Forest Division distt Kinnaur, HP.

Memo:-

The following shortcomings have been noticed in the proposal, which may be completed:

1. Against column No.B-1, the list of proposals submitted in the past has not been mentioned whereas the present proposal is for the addl. forest land requirement.

2. Against column No.B-2,3, although village-wise breakup has been mentioned. As per Govt instructions dated 01.08.2019, a certificate (providing detail of villages benefited) duly authenticated by competent revenue authority may also be submitted as an essential document with the proposal on the prescribed format as under:

Sr.No.	Name of the village	Village code	Population
01			

3. Against column No.C(iv), although digital map has been uploaded but only the digital map of one patch has been uploaded whereas 8 patches have been shown in KML. The uploaded against column No.C(ii)(a). The digital map of all the patches duly signed by the user agency and countersigned by DFO concerned is required to be uploaded against column No.C(iv).

4. Against column No.K(i), 'Yes', has been mentioned. But instead of uploading the complete FRA certificate, a copy of village level proceeding has been uploaded. If the FRA certificate has not yet been obtained, 'No', has to be mentioned against column No.K(i) and an undertaking is required to be uploaded against additional information detail.

5. Site inspection report of DFO, CA scheme, location map for CA, site suitability certificate, bill of NPV and enumeration lists of the trees are not required to be uploaded by the user agency in online part-I. These documents are to be uploaded by DFO concerned in online part-II.

6. The certificate of non availability of non forest land for the project in question issued by DC concerned has not been found uploaded against additional information detail.

(Signature)
Nodal Officer-cum-APCCF(FCA)
O/O Pt. CCF, H P, Shimla

Himachal Pradesh Power Corporation Limited

(A State Government Undertaking)

Office of the General Manager

Shongtong-Karcham Hydro Electric Project

Reckong-Peo, Distt. Kinnaur (H.P.), Phone: - 01786-223310, Fax: 01786-223174



HPCL/GM-STKHHP/AFL/2019-5956-58 dated 16/12/19

To

The Nodal Officer - Cum - APCCF (FCA),
o/o Pr.CCF, HP(HOF)
H.P Shimla.

Subject:-

Division of 07.3722 ha additional forest land in favour of Himachal Pradesh Power Corporation Ltd for the construction of Shongtong Karcham HEP 450 Mw due to enhancement in the existing capacity of HEP, 402 to 450 MW and due to change in the river course during flood and usage of already diverted dumping site used by BRO within the jurisdiction of Kinnaur Forest division Distt. Kinnaur (H.P.).

Ref:

Your Office letter No. Ft. 48-4019/2019FCA HP Forest Department dated 18.11.2019.

Sir,

This is in compliance to the observation / shortcoming raised in the aforesaid proposal submitted by the project proponent, point wise rectification are being made are as under:

1. Against Column No.B1 No space for the addition of previous status is displayed, although the Project proponent had already attached the copy of approval in respect of Shongtong Karcham HEP area measuring 63.5015 ha accorded by MoEF&CC vide its F No.8-78/2010-FC dated 14 Nov. 2012 is appended as Addl. Information.
2. Against Column No B2.3 copy of desired certificate duly authenticated by competent revenue authority is appended as Addl. Information.
3. Against Column No C (iv) digital maps duly signed by User agency and countersigned by DFO concerned is uploaded against Column No. C (iv).
4. In response to this column no K(1) after completing the process of settlement of FRA, the final FRA certificate from the District level FRA committee is being uploaded against Column No K(ii).
5. The site inspection report of DFO, CA scheme, Location maps for CA, site suitability certificate, bill of NPV and enumeration list of trees are being deleted from the user agency portal i.e. from Form-I.

Registered Office: Himted Building, BCS, New Shimla (H.P.)-09
CIN: U4010HP2006SGC030591, Ph. No: 0177-2807923, Fax No.: 0177-2807923, Website: www.hppl.gov.in.

Himachal Pradesh Power Corporation Limited

(A State Government Undertaking)

Office of the General Manager

Shongtong-Karcham Hydro Electric Project

Reckong-Peo, Distt. Kinnaur (H.P.)-172107, Phone: - 01786-223310, Fax:-01786- 223174



6. The certificate of non availability of Non forest land is being uploaded against addl. information detail.

Submitted for further recommendation please.

Thanking You

Yours faithfully,

Senior Manager

STKHEP 450MW

HPCL, Reckong Peo (H.P.).

DA:- As above

Copy forwarded to:-

1. The CES, HPCL, Himed building, BCS, New Shimla -09, (H.P.) for information please.
2. The Divisional Forest officer Kinnaur, at Reckong Peo, Distt. Kinnaur HP for information with request to up loading the Part-II in the MoEF& CC portal please.

OFFICE ORDER

HPSB is pleased to accord techno-economic clearance (TEC) to Himachal Pradesh at an estimated cost (at his bar) of Rs.2415.53 crore (Rupees Two thousand four hundred fifteen crore & fifty three lac only at December, 2005 price level, including Escalation, IDC and L&A charges @ 1.5 % with the stipulation that

1) The complete cost of the scheme shall not exceed the above cost except on account of the following:

- Interest During Construction (IDC) shall be as per actuals not exceeding the amount as indicated at Annex-I unless revised by HPSB while according concurrence under section 31 of Electricity (supply) Act, 1948 repealed by Electricity Act, 2003 after review of financial package.
- Change in rates of Indian taxes/duties such as excise duty, sales tax/VAT, custom duty and levy of any other taxes/duties subsequent to issue of Techno-Economic Clearance (TEC).
- Change in Indian law resulting in change in cost.

ii) The abstract of the estimated cost approved by HPSB is furnished at Annex-I, Summary of financial package as considered by HPSB is at Annex-II and the Salient Features of Scheme are at Annex-III.

3) The Techno-Economic Clearance (TEC) is subject to the fulfillment of the following conditions:

i) Completed cost/ techno-economic clearance shall not be re-opened due to the following:

a) Non-acquisition of land.

b) Non-finalisation of Power Purchase Agreement (PPA).

c) Delay in financial closure.

ii) The final financial management shall not be inferior to the financial management provided in the Detailed Project Report (DPR) or TEC.

iii) Tariff shall be decided by the Central/State Electricity Regulatory Commission.

iv) The public issue expenses, if any, shall be recommended at the time of approval of completion cost based on documentary proof and in accordance with Security Exchange Board of India (SEBI) guidelines regarding registration of public issue expenses.

St. Manager (R&T)

Shongtong-Karcham HEP,
H.T. I, Reckong
Distt. Kinnaur H.P., 171107

Sr. Manager (R&R)
Shongkong-K archham
H.K. Shongkong-Poo
Dist. K. Shongkong-Poo, 172107

- i) The Licensee shall obtain the necessary permits and licenses from the relevant authorities in respect of civil works at the site of the project.
- ii) The Licensee shall obtain the necessary permits and licenses from the relevant authorities in respect of civil works at the site of the project.
- iii) Implementing Agency/Project Authority shall enter into an agreement with beneficiary states for absorbing power generated from the project.
- iv) Implementing Agency/Project Authority shall obtain the forest clearance for the Power evacuation line before commencement of the construction work.
- v) Implementing Agency/Project Authority shall construct the Power evacuation line matching with the commissioning of the generation units.
- vi) The additional cost shall be allowed due to Resettlement & Rehabilitation (R&R) Plan.
- vii) Normal operation life of the hydro power plant shall be as provisions of the sixth schedule of the Electricity (Supply) Act 1948 repealed by Electricity Act 2003.
- viii) The LEC is based on the reports and data furnished in the DPR and it is presumed that information furnished is accurate. The scrutiny does not cover the examination of the detailed design and working drawings of work components in regard to the structural, hydraulic and mechanical performance and safety which shall be ensured by the implementing Agency/Project Authority.
- ix) Final Financial package shall be approved by the HPSRB.
- x) The Project shall be completed within 72 (seventy two) months from the date of start of the Project.
- xi) Monthly Progress Report of the Project shall be submitted to Monitoring Cell of HPSRB. Three (3) copies of the semi-annual physical progress report of the scheme and expenditure actually incurred, duly certified by statutory auditors shall be submitted to the HPSRB till the Commercial operation of the plant.
- xii) Final financial package and cost related to that shall be submitted to HPSRB.
- xiii) Monthly progress of the Project from the period of LEC to financial review investment decision shall be furnished to HPSRB.
- xiv) The completion cost of the scheme shall be submitted to HPSRB for approval as soon as possible after the commercial operation date (COD) of the plant, but not later than three (3) months from the (COD) of the plant.

the convenience of the HPSRB to the same under section 1 of the Electricity (Supply) Act, 1941 repealed by Electricity Act 2012. It is considered by the Board on a subject of the financial leakage and the up of balance inputs areances by the implementing Agency/Project Authority within a period of six months from the date of issue of TEC.

In case the time gap between the scheme and actual start of work on the Project is three years or more, a fresh Techno-Economic Clearance shall be obtained from HPSRB before start of actual work.

The HPSRB reserves the right to revoke the Techno-Economic Clearance if the conditions stipulated in the TEC are not complied with to the satisfaction of the HPSRB.

The implementing Agency/Project Authority shall have to obtain clearance from the ERCA/HPSRB as per provision in the Electricity Act, 2012.

Chief Engineer, P&D

RE: HPSRB (Secret) Anti-Shanghai Scheme (TR/06-5/RS-3-1) dated 12.06.06

Copy of above is forwarded to the following for information & for perusal:

1. The Additional Secretary (Power) to the Govt of HP, Shimla-2
2. The Secretary, HPSRB, Shimla-4 alongwith copy of TEC and project by the WT&B of the Board by their own.
3. The Addl Secretary in P&D, P&D, PS to the Chairman and Members HPSRB for kind information of the worthy Chairman/Member.
4. The CAO, HPSRB, Vidyal Bhawan, Shimla-4.
5. The Chief Engineer (P&D), HPSRB, Shimla-4.
6. The Chief Engineer (SI), HPSRB, Shimla-4.
7. The Chief Engineer (Projects), HPSRB, Shimla-2.
8. HPSRB-CE (P&D), Shon Yong-Kard/16.5.14.06
9. The Deputy Chief Engineer (Contract) HPSRB, Vidyal Bhawan, Shimla-4.
10. The A.O. (P&D), P&D Wing, HPSRB to his HO in the HPSRB, Shimla-4.

Attested

Chief Engineer (P&D)
HPSRB, Shimla-4

Adl. Superintending Engineer
Investigation Division,
H.P. & P. Reckong, Poo.
DISTRICT KIRINAPUR (H.P.)

St. Member (T & R)
Shongtong-Narpham HBT,
HPPCI, Reckong-Poo, 172107
Dist. KIRINAPUR (H.P.)

HIMACHAL PRADESH STATE ELECTRICITY BOARD

SHONGTONG-KARCHAM HEP (420 MW)

ABSTRACT OF COST ESTIMATE

(Rs. Crore)

1.	Civil Works	1165.00
2.	Electro-mechanical works	504.20
		Price level year Dec, 2005
		1669.20 crore
3.	Sub Total (b)	1669.20
	Total (a+b)	2379.83
	LADA @ 1.5%	35.70
	TOTAL (a+b+c)	2415.53

(Rupees : two thousand four hundred fifteen crore and fifty three lakh fifty three thousand five hundred and fifty three)

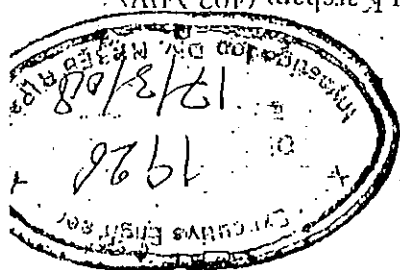
St. Mathura (P & R)
Shongtong-Karcham HEP,
HPPCL, Jammu, J.K.,
Distt. Kishtwar H.P., 172107

HIMACHAL PRADESH
I&PH DEPARTMENT

No. KNR-IPHD-PEO-WA-NOC/07/4331-34

To

Dated: 17/3/08



The Superintending Engineer,
I&PH Circle R/Peo,
Distt. Kinnaur H.P.

Forest Clearance of Shonglithong Karcham (402 MW).

Enclosed kindly find herewith a copy of letter No.

HPSEB/ISD/WG-2006-57-58 Dated: 26-5-2006 along with site map of above proposed HEP

as received from the Assistant Engineer, Investigation Sub-Division No. II HPSEB R/Peo for

issuance of necessary NOC for above proposed project. In this regard it is submitted that the

subject cited project is proposed to be constructed on the Bank of Saily River and there is no

WSS and FIS of this Department falling along the alignment of said project. But then NOC to

the concerned Department can only be issued subject to the condition that any loss/damage to

the Departmental schemes in the vicinity of this area such as drying of source and damage due

to blasting work during execution of tunnel, then the project construction company will be

responsible for repair of such damages at their own cost. In view of the above facts the

conditional NOC to the concerned company can be given subject to the fulfillment of above

conditions by the company/ Department.

This is for favour of kind information and necessary action

DA: As Above

please.

Copy to the Assistant Engineer, I&PH Sub-Division R/Peo w.r.t.
his office letter NO. ISD-PEO-General/07-1049 Dated: 15-11-2007.

Copy to the Assistant Engineer, Investigation Sub-Division No. II
HPSEB R/Peo w.r.t. his office letter No. referred to above for information

Copy to Atal-SE - Investigation

Executive Engineer,
I&PH Division R/Peo

St. Manager (R&P)
Shonglithong Karcham
Distt. Kinnaur H.P.

Addl. Superintending Engineer
Investigation Division,
H P & E & R & P
DISTT. KINNAUR (H. P.)

Distt. Kinnaur H.P., 172107

Uttar Pradesh
Public Works Department

No.BHNR-B&R-WA-NOC/2007-08- 11699-701

Date:- 28-1-08

To

The Superintending Engineer,
11th Circle, HP.PWD.,
HP.PWD., Rampur.

NOC/ Forest clearance of Shongthong Karchham Hydro

Electric Project (402 MW)

Subject:-

Sir,

In this connection it is intimated that the Add.

Superintending Engineer, Investigation Division HP,SEB, Reckong Peo applied for NOC

by this Department. The NOC is hereby recommended subject to the following

conditions:-

1. There exists the PWD road namely Shongthong Purni road as marked in the

index plan from Km. 0/0 to 3/120. The appropriate area which will be

disturbed in the road comes to 21840 Sqm. The undertaking regarding any

damages to this effect may be given by the HP Power Corporation.

2. There exists 9 Nos Neoza trees in the alignment of road which are in the

papers of Public Works Department while conducting the joint inspection with

the forest department the Public works department may also be intimated, the

compensation of these trees if required shall be born by the HP Power

Corporation.

3. Any Structure/ Component of road as mentioned above is damaged, the same

shall be repaired by the HP Power Corporation.

This is for your kind information and necessary action.

DA:- Index plan.

Executive Engineer,
Karchham Division

HP.PWD Bhabanagar

Copy to the Add. Superintending Engineer, Investigation

Division HP,SEB, Reckong Peo for information and necessary action please.

Copy to the Assistant Engineer, Karchham Sub-Division

Executive Engineer,
Karchham Division

HP.PWD Bhabanagar

St. Manager (B & R)
Shongthong Karchham HEP,
HP.PWD, Reckong Peo,
Distt. Kamnang HP/ 172107

St. Secy
Supt. Engr.
Distt. Kamnang
HP/ 172107

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT
OFFICE ORDER

The Superintending Engineer Investigation Division IPSRB-Reckong Poo Distt. Kinnaur has applied for "No Objection Certificate" for construction of Shongthong-Karchham Hydro Electric Project (402 MW) being executed through Himachal Pradesh Power Corporation Limited which is a joint Venture of Govt. of Himachal Pradesh & IPSRB.

The "No Objection Certificate" is therefore issued in favour of above Corporation subject to fulfillment of following conditions:-

1. The corporation will not harm public property belonging to the state.
2. Traffic shall not be interrupted during the construction.
3. During construction any damages to the existing road/building or any other infrastructure will be born by the corporation at their own cost.
4. The safe guards for proper maintenance of road infrastructure in the jurisdiction of project area will be observed by the corporation and the corporation shall compensate the loss caused to Govt. property (Road building and Bridges) if any in full.
5. There exist 9 Nos Neozar trees in the alignment of road which are in the papers of Public Works Department while conducting the joint inspection with the forest department the PWD may also be intimated, the compensation of these trees if required shall be born by the H.P. Power Corporation.

Executive Engineer,
Karchham Division,
H.P. PWD Bhabanagar
Dated 13-5-08
NO.PW-BHNR-B&R-WA-NOC/2008-09 916--19
Copy to following for information and necessary action:-

1. The General Manager, Industrial Department Distt. Kinnaur at Reckong Poo w.r.t. a copy of DO No. Ind-A(F)10-9/2007 dated 12-3-2008 (Attached)
2. The Superintending Engineer, 1st Circle H.P. PWD Rampur Bsr.
3. The Superintending Engineer, Investigation Division H.P. SEB-Reckong Poo w.r.t. his office letter No HPSRB/IDRP/DB-26/2007-1521-23 dated 5-11-2007.
4. The Assistant Engineer, Karchham Sub-Division H.P. PWD Tapri for information and necessary action w.r.t. his office letter No. 1462 dated 4-1-2008

Executive Engineer,
Karchham Division,
H.P. PWD Bhabanagar

Asst. Manager (B&R)
Kinnaur Distt.
H.P. PWD Bhabanagar
Distt. Kinnaur (H.P.) 172107

21917/12
52-4681-141E

CERTIFICATE

It is certified that the road comprised

Phasra No. 111 where the Shonglong Kachham Hydro Electric Project
(A.M.) on Salay river near Village Pongal Tehsil is to be in alignment
of constructed does not fall within 10 Kms. of the road in work
(Chhikhal (W.L.) Sanctuary, as per Preliminary report submitted by
Executive Engineer, Investigation Division, HPSEB, Kachang Poo District
Kinnair, H.P.

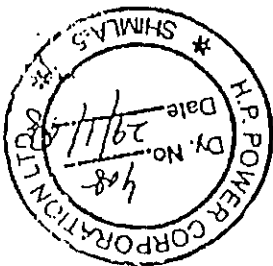
Adm. Manager (R.R.)
Shonglong Kachham HEP,
Investigation Division,
H.P. Kachang Poo,
Dist. Kinnair H.P., 172107

Divisional Forest Officer,
Wildlife Division,
Kachang H.P.
2/2/05

Attested

No. JST-1-P (239/2006-ARCC-X)-604
Directorate of Fisheries,
Himachal Pradesh.

The Director-in-Charge of Fisheries,
Himachal Pradesh.



The Managing Director,
Himachal Pradesh Power Corporation Limited,
Chakkar, Shimla-4

Dated Bilaspur-174001 the 11.5 JAN 2008

Subject: No objection Certificate for Shongtong-Karcham, Hydro-
electric Project (402 MW).

Sir,

I invite a reference of your letter No. MID-HPCL-Env/2008-2 dated 07.01.2008 regarding subject cited supra and to inform you that a conditional NOC to implement the captioned project is being issued on the following terms & conditions:-

- The Project proponent shall arrange joint field survey of the project site & allied riverine portions where project components are required to be installed in order to assess the estimated losses to aquatic bio-diversity.
- The project proponent shall make provisions at the weir/dam for the release of water downstream as per directions of State Govt. in order to maintain environmental flow of water.
- The project proponent shall make provisions of fish ladder in the proposed project to facilitate free passage of fish up stream and downstream as well.
- The project proponent shall pay for the losses to fish & fisheries of the concerned rivers/tributaries, estimated by the department of Fisheries and also fund the fishery development plan proposed by the department of Fisheries, I.P. before the initiation of construction activities.

This may be treated as Conditional No Objection Certificate.

In case of the violation or non adherence to any of the above terms, & conditions, this conditional NOC issued in the favour of captioned project shall be withdrawn without any further notice.

Yours faithfully,
Sr. Manager (R&R)
Shongtong-Karcham H.E.
Dist. Shimla-5

Dated:-

Encls No. As above-
Copy forwarded to:-

1. The Secretary (Fisheries) to the Govt. of I.P., Shimla-2 for favour of information in compliance to the telephonic instructions dated 10.01.2008 regarding issuance of a conditional NOC to the above cited power project. It is, therefore, requested that the above named hydro power project may also be included for discussions in the New Agenda Items of the forthcoming meeting of the NOC committee for fisheries.
2. The Assistant Director of Fisheries, Shimla (H.P.) for information and necessary action. He is directed to prepare & submit the field survey report and a fisheries development plan to be funded by the above stated hydel project to this office for taking further action in the matter.

Director-cum-Warden of Fisheries,
Himachal Pradesh

Addl. Superintending Engineer,
Investigation Division,
H.P. & Reckong Poo,
DISTT. KINNAUR (H.P.)

Sr. Manager (R&R)
Shri. T. Archham HEP,
HP
Distt. Jindar H.P., 172107

94
196

HIMACHAL PRADESH POWER CORPORATION LTD.

(A State Government Undertaking)
New HIMFED Bhawan, Panaji, Below Old MLA Quarters,
Tulikandi, Shimla-171005 HP India

Phone: 0177-3206511 Fax: 0177-2633813

AUTHORIZATION

Himachal Pradesh Power Corporation Ltd. (HPPCL), hereby authorizes following officers of the concerned project to sign and file applications seeking various clearances including clearance under Forest Conservation Act, 1980, Environment Protection Act, 1986, Air (Pollution & Control of Pollution) Act 1981, Water (Pollution & Control of Pollution) Act 1974, Mining Licensee, Explosive License etc.

I) Integrated Kashang (243 MW) HEP:

i. Deputy General Manager, Integrated Kashang HEP, HPPCL, Reckong Peo.

ii. Senior Manager, Kashang Construction Division No. I, HPPCL, Reckong Peo.

II) Shongtong - Karcham (402 MW) HEP

i. Senior Manager, Division HPPCL, Reckong Peo.

III) Renuka Dam Project (40 MW):

i. Deputy General Manager, Renuka Dam Project, HPPCL, Dadahu

ii. Sr. Manager, Renuka Construction Division No. II, HPPCL, Dadahu

HPPCL further authorizes the above officers to sign and file various forms, reply to observations, file declarations, give undertakings and all other correspondence relating to clearances. In addition to above, Chief Environment Specialist and Chief Social, Rehabilitation & Resettlement Specialist HPPCL is also authorized in this behalf for all the above mentioned activities.

[Signature]
Tarun Kapoor, IAS,
Managing Director

Endst. No. HPPCL/ESMU-Circulars/Vol.108 - 56.56-4-C. Dated 19/7/88

Copy forwarded to the above mentioned Head of Projects and Chief Environment Specialists/Chief Social, Rehabilitation & Resettlement Specialist HPPCL for information and record.

Chief Environment Specialist

Sr. Manager (R&R)

Shongtong-Karcham HEP,
HPI, Jockong-Peo,
Distt. Kinnaur H.P., 172107

Office of the Deputy Commissioner
Kinnaur District at Reckong-Peo (HP)

IR-IV-V-24(DRA)

1057187

Dated:- 06/04/17

Inescapability Certificate

As per report of SDM Kalpa vide letter No. SDK-07-II (OK)/09-396 dated 09.03.2017. Certified that the under mentioned land is inescapable for the purpose of which the land proposed to be acquired by the General Manager, Shongtong-Karchham HEP (450MW), HPPCL, Reckong-Peo. It is further certified that there is no water resources, religious places, public path etc. within the limits of the land proposed to be acquired.

Sr.	Name of Tehsil	Name of Mauja	Khasra No.	Area in Hect.
1.	Kinnaur	Kalpa	Up-Mohal 724/576/2/1, 571/2/1, 561/1, 568, 569	03-50-65
2.	Kinnaur	Kalpa	Up-Mohal 3/2	0-29-60
3.	Kinnaur	Kalpa	Up-Mohal 21/1, 2/1, 2/2, 1/1, 838/1, 840/1	04-92-96
4.	Kinnaur	Kalpa	Up-Mohal 854/823/1, 810/2, Powari	0-69-96
			Total=	09-43-17

Deputy Commissioner,
Kinnaur District at Reckong-Peo
Reckong-Peo 172107

Sr. Manager (R&R)
Sho. G. Karchham HEP,
HPCL, Reckong-Peo,
Distt. Kinnaur I.D.R. 172107

96

राजस्व विभाग, हिमाचल प्रदेश - नकल जमाबंदी

एस.सी.ए रसीद संख्या: 4380701202008510

जिला : किन्नौर नकल शुल्क : 1
 तहसील : कल्या सेवा शुल्क : 10
 कानूनगोवत : कल्या कुल शुल्क : 11
 पटवार वृत्त : कल्या
 हुदबस्त नं. : 21

मोहाल : राड

साल : 2015-2016

रकबा ईकाई: है-आ-सै

खेवट नं.	खेवट नं.	नाम मालिक व एहवाल	नाम कारतकार व एहवाल	नाम चाह व दीगर वसायल आबपाशी	नम्बर खसरा हाल	रकबा हर खेत व मिजान खाता मय किस्म अराजी मीट्रीक ईकाइयों में	हिस्सा या पैमाना हकीयत व तरीका बाछ	कैफियत
1	2	3	4	5	6	7	8	9
237 मिन	326 मिन	सरकार हिमाचल प्रदेश	कब्जा स्वयं ताबे हकूक वर्तन बर्तनद्वारा मुताबिक नकशा वर्तन		561	00-29-29 चरणगाह इखान	कब्जा व पड़ता बशरह खेवट नं.(1)	नोट - बस्से रसद नं. 229 दिनांक 02-02-2019 आड रहल से रूप महाल राड, खाता/खतीनी नं. 237/326 अराजी ख. नं. 751/638/1 का सालन रकबा तावदी 0-20-00 है. इनि मिनजानिब श्रीमती सन्तोष कुमारी पत्नी भगन धनद वरक हि.प्र. रा. स.नैक शाखा कल्या बदले म. 3 लाख रु. में आड रहल है।
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बशरह खेवट नं.								
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Certified that this copy has been generated from the database of Revenue Department at as
 accessed by the Lok Mitra Kendra LMK Peo on 07-January-2020

To Verify; enter the Copy No above Bar Code at
<http://admis.hp.nic.in/himbhoomilmk>
 For Validity Refer : Notific. No:Rev-C(F)/10-1/2009 Dated 14-Feb-2011

Jam12041913996



निकोट : हिमाचल प्रदेश - शिमला

दिनांक: 07-Jan-2020

पृष्ठ संख्या: 1

97

एस.सी.ए रसीद संख्या: 4380701202008637

राजस्व विभाग, हिमाचल प्रदेश - नकल जमाबंदी

जिला : किन्नौर

तहसील : कल्या

कानूनगोवत : कल्या

पटवार वृत्त : कल्या

हदबस्त नं. : 21

मोहाल : राड

साल : 2015-2016

रकबा ईकाई: है-आ-से

नकल शुल्क : 1

सेवा शुल्क : 10

कुल शुल्क : 11

खेवट नं.	खेतौनी नं.	नाम मालिक व एहवाल	नाम काश्तकार व एहवाल	नाम चाह व दीगर वसायल आबपाशी	नम्बर खसरा हाल	रकबा हर खेत व मिजान खाता मय किस्म अराजी मीट्रीक ईकाइयों में	हिस्सा या पैमाना हकीयत व तरीका बाछ	कैफियत
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237 मिन	326 मिन	सरकार हिमाचल प्रदेश	कब्जा स्वयं ताबे हस्तक बर्तन बर्तनदरान मुताबिक नकशा वर्तन		568	00-84-09 चरागाह दख्तान	कच्चा व पक्का बरहर खेवट नं. (1)	नोट - बरकरे रसट नं. 229 दिनांक 02-02-2019 आइ रहन से इस मसाल राइ. खाता खेवटी नं. 237/326 अराजी ख. नं. 751/ 638/1 का सालन रकबा तादादी 0-20-00 है. अग्नि मिन्दागिब श्रीमती सन्तोष कुमारी पत्नी अगत चन्द कृष्ण हि. प्र. रा. सर्वेक शाखा कल्या बटले म. 3 लाख रु. में आइ रहन है।
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कसरल खेवट नं. (1)								
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माल								
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स्वाई								

Certified that this copy has been generated from the database of Revenue Department at as
 accessed by the Lok Mitra Kendra LMK Peo on 07-January-2020

To Verify, enter the Copy No above Bar Code at

<http://admis.hp.nic.in/himbhoomilmk>

For Validity Refer : Notific. No:Rev-C(F)/10-1/2009 Dated 14-Feb-2011

Jam 12041913997



निकनेट : हिमाचल प्रदेश - शिमला

दिनांक: 07-Jan-2020

पृष्ठ संख्या: 1

राजस्व विभाग, हिमाचल प्रदेश - नकल जमाबंदी

एस.सी.ए रसीद संख्या: 4380701202008692

जिला : किन्नौर
 तहसील : कल्या
 कानूनगोवत : कल्या
 पटवार दल : कल्या
 हदबस्त नं. : 21

मोहाल : राड

साल : 2015-2016

रकबा ईकाई: है-आ-सै

खेवट नं.	खतीनी नं.	नाम मालिक व एहवाल	नाम काश्तकार व एहवाल	नाम चाह व दीगर वसायल आबपाशी	नम्बर खसरा हाल	रकबा हर खेत व मिजान खाता मय किस्म अराजी मीट्रीक ईकाइयों में	हिस्सा या पैमाना हकीयत व तरीका बाछ	कैफियत
1	2	3	4	5	6	7	8	9
237 मिन	326 मिन	सरकार हिमाचल प्रदेश	कब्जा स्वयं ताबे हक्क बर्तन वर्तनदारान मुताबिक नकशा वर्तन		569	00-38-70 चरागाह इब्दान	कब्जा व पड़ता वशरह खेवट नं.(1)	नोट - बल्लो-रुपट नं. 229 दिनांक 02-02-2019 आइ रहन से उप महाल राड, खाता/खतीनी नं. 237/326 अराजी ख. नं. 751/638/1 का सालम रकबा तादादी 0-20-00 है. भूमि मिलजानिव श्रीमती सन्तोष कुमारी पट्टी भगत चन्द वत्तक हि.प्र. रा. सर्वेक शाखा कल्या बदले मु. 3 लाख रु. में आइ रहन है।
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वशरह खेवट नं.								
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