

JOINT INSPECTION & DEMARCATION REPORT

We the undersigned have jointly inspected & Demarcated 7-37-22 hectare of Forest land on dated 22.08.2019 & 23.08.19 falling in Kalpa Range under Kinnaur Forest Division, Reckong Peo Distt. Kinnaur to be diverted as additional land for construction of Shongtong Karchham HEP, Falling in Sub Mohal Rang, Usaring, Tangling & Powari. the Project required 7-37-22 Hect. of Additional Forest land for Intake tunnel, Diversion Tunnel Outlet, Silt Flushing Tunnel's outlet Portal, Dumping, Approach roads to Portal & it's working are in Tehsil Kalpa Distt. Kinnaur (HP).

The detail of land is as under:

Sr. No.	Purposed/ Component	Sub-mohal	Khasra No.	Area of Forest Land in (hect.)	Classification of land	Remarks
3	Dumping area adjoining to the Existing Dumping area No. 3 on Right	Rang	561/1	0-21-91	Charagah Drakhtaan	Surface activities.
5	Bank of River Sutluj		568	0-84-09	Charagah Drakhtaan	
6	near Shongtong Bridge		569	0-38-70	Charagah Drakhtaan	
		Sub-Total	05 kitta	1-44-70		
7	Dumping Area near Adit-II on left bank of Sutluj River.	Usaring	3/2	0-29-60	Charagah Drakhtaan	Surface activity
		Sub-Total	01 kitta	0-29-60		
8	Adit-I Portal on left bank of river Sutluj including its working areas.	Tangling	21/1	0-58-83	Charagah Drakhtaan	Surface activity
9	Dumping Area on left bank of river Sutluj near Adit-I below existing H.P.W.D road Shongtong to Purbani.	Tangling	2/1	1-10-05	Charagah Drakhtaan	Surface activity
10	Dumping Area on left bank of river Sutluj near Adit-I below existing H.P.W.D road Shongtong to Purbani D/S of proposed Adit-I.	Tangling	2/2	2-38-13	Charagah Drakhtaan	Surface activity
	Silt Flushing	Tangling	1/1	0-15-73	Gair mumkin	Surface

175
No. Udyog-Bhu (Regd.) Patel St. Cr. - 6641
Government of Himachal Pradesh
Department of Industries
Geological Wing
Dated, Shimla-171000

To

The General Manager (HOP)
Shontong-Karcham H E Project,
Himachal Pradesh Power Corporation Ltd.
KC Complex, Reckong Peo,
Disstt. Kinnaur (H.P.)

Subject: Shontong Karchham HEP-Lifting of RBM for de-silting of reservoir area at Powari, Distt. Kinnaur.

Sir,

This is with reference to your office letter No. HPPCL/GM-STKHHP/mining/2019-4704-06 dated 19.10.2019, vide which you have requested to allow the Project Proponent to lift and stack RBM that will be generated during the course of de-silting of reservoir area of Project.

In this connection it is to inform that the de-silting of reservoir is a non mining activity and does not fall under the purview of this department. Moreover, if the said activity is a part of your Project Component for which all statutory permissions have been obtained, then this department has no objection unless the involvement of mining activity. However, it shall be ensured that except de-silting no mining activities of any kind takes place for which principal employees shall be responsible. Further, the material generated during such activity can be utilized for bonafide purpose with prior permission of this department as per provisions contained under Rule 33 of H.P. Minor Mineral Rule -2015. In such cases, on the written request of applicant for the utilization of material generated due to non-mining activities, the proposal shall be forwarded to the Committee constituted for this purpose and permission shall be accorded by this office as per the recommendation of the committee, on the payment of advance royalty.

G.M.
A.G.M.
F&A
P&A
P&C
R&R

Sr. M.I.
Sr. M.H.

Endst no As above:-

Copy to:

1. The Deputy Commissioner of Kinnaur, Distt. Kinnaur. Himachal Pradesh for information please.
2. The Mining Officer Kinnaur for information & necessary action please.

Divisional Forest Officer
Kinnaur Forest Divisional
R/Peo

Sr. Manager (R&R)

Shontong-Karchham HEP, State Geologist
HPPCL, Reckong-Peo, Himachal Pradesh
Distt. Kinnaur H.P., 172107

Yours faithfully,

State Geologist
Himachal Pradesh
Dated: 2019



संख्या- त.का, (का.का.)2020 - 1095

कार्यालय तहसीलदार कल्या जिला किन्नौर हि090

सेवा मे,

उप- महाप्रबन्धक (आर0आर0)

शौगठौंग- करछम एच0ई0पी0

एच0पी0पी0सी0एल0 रिकांग पिओ

जिला किन्नौर हि090

दिनांक 22/07/2020

Division of 7.3722 hac.of additional forest land in favour of Himachal

Pradesh Power Corporation Ltd. For the construction of Shongtong-

Karchham HEP 450MW.

विषय-

महोदय,

विषय उरोक्त मे आपके कार्यालय के पत्र संख्या एच0पी0पी0सी0एल0/एस0एम0(ई0आर0)

एस0के0एच0ई0पी0/ए0एफ0एल0/2020-1254-55 दिनांक 09/06/2020 की अनुपालना मे निवेदन है कि मौके कि

छानवीन गिरदावर कानूनी कल्या द्वारा की गई । रिपोर्ट निम्न प्रकार है:-

1. मैने शजरा किश्तवार बन्दोबस्त जजीद उप महाल तगलिंग हदवस्त नद 41/2 का अबलोकन किया और पाया कि दोराने बन्दोबस्त तैयार किया गया शजरा किश्तवार मे 1/1 बन्दोबस्ती न0 है जिस का रकबा 00-02-00 है0 गेर मुमुकिन शमशान घाट दर्ज मिसल हकीयत बन्दोबस्त जजीद है और खसरा न0 1 रकबा तादादी 11-76-86 है0 गेर मुमुकिन दरिया मालिक हि090 सरकार दर्ज है, खसरा न0 1 मे से कुछ आराजी हि090 पावर कोरपारेशन लिमिटेड ने SFT out let-potel&working Area and approach Road के लिए लीज पर आवेदन किया तो उस वक्त 1/1 रकबा तादादी 00-15-73 है0 का तातीमा गेर मुमुकिन दरिया से उपरोक्त उदेश्य के लिए जारी किया गया 1/1 रकबा तादादी 00-02-00 है0 बन्दोबस्ती स्थाई नम्बर है जबकि खसरा न0 1/1 लीज स्वीकृत तक के लिए अस्थाई नम्बर है बाद मंजूरी लीज ईन्तकालम तस्दीक होने के उपरान्त 1/1 को असल न0 प्राप्त होगा शमशान घाट वाली भूमि का खसरा न0 1/1 स्थाई है इस से दरिया के खसरा न0 1 का तातीमा खसरा न0 1/1 प्रभावित नहीं होता है।

अतःरिपोर्ट आगामी कार्यावाही हेतु सेवा मे प्रस्तुत है ।

संलग्न- मूल मिसल

NOJ
22/07/20
S.M.
A.G.M.
F&A
P&A
P&G
R&R
Sr. M-I
R&R

भवदीय

नायब तहसीलदार कल्या

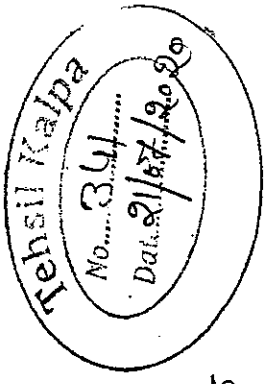
तहसील कल्या जिला किन्नौर हि090

Sr. Manager (R&R)
Shongtong-Karchham HEP,
HP, Shongtong-Kang-Peo,
Dist. Kinnaur H.P., 172107

Divisional Forest Officer
Kinnaur Forest Division

CC- R/Peo

177
 Dth mat
 02-07-2020
 गिरवाण काबूना कला/2020-103
 काबूना गिरवाण काबूना कला
 कला किला दि. 172107
 21/12-2



सेकमे,
 नाथ तहसील
 कला किला दि. 172107

दिनांक 20-07-2020

विषय:- Diversion of 7.3722 Hec. of traditional
 forest land in favour of Himachal Pradesh Power Corporation
 Ltd. for the construction of Shengling - Korchim HE P450
 MW.

महोदय,
 कृपया विषय उपरोक्त के संदर्भ में आपके कार्यालय
 पर गृहस्थित खेरा 809 दिनांक 10-06-2020 की अनुमति
 में वांछित कानूनी रिपोर्ट में खेरा (XVIII) ii के संदर्भ
 में निम्न है।

1. मैंने खेरा किला वरुणवस जिला उष महारा
 तगलिज एकाका नं 41/2 का अवलोकन किया और
 पाया कि खेरा वरुणवस जिला किया गया खेरा
 किला नं 11 वरुणवस नं 11 जिला का खेरा
 00-02-00 नं 11 जिला मुमाकिन शमशान काट दर्ज मिल
 लीया वरुणवस जिला नं 11 जिला खेरा नं 1 खेरा
 ताकादी 11-76-06 नं 11 जिला मुमाकिन करिया मालिक
 809 खेरा दर्ज है। खेरा नं 1 से कुछ

HIMACHAL PRADESH POWER CORPORATION LTD.

(A State Government Undertaking)

Shongtong-Karchham Hydro Electric Project, Reckong-Peo, Kinnaur-172107 HP

Phone: 01786-222962, Fax :01786-223174, Email- skhep.hppcl@gmail.com

128

HPPCL/GM -SKHEP/AFL/2020

5551-52

Dated: 13-11-2020

To

The Divisional Forest Officer,
Kinnaur Forest Division,
At Reckong -Peo.

Sub:

Diversion of 07.3722 ha of Additional Forest land in favour of Himachal Pradesh Power Corporation Ltd. for construction of Shongtong Karchham HEP, 450 (MW).

Ref:

DFO, Kinnaur office Endst. No. Nil dated 07.09.2020.

Sir,

In reference to the subject cited above, point wise reply/ clarification to the observations raised vide CF, Rampur letter 2840 endorsed vide above referred letter is as under:

1. Checklist No 4 & 10 have been revised giving full justification & complete detail of the area to be diverted, number of trees involved in the proposal. Revised checklist is attached in the proposal folder in page no. 181 to 185. 19.5.19
2. Reply to the observation raised at point (V) vide CCF office letter No 7601 dated 05.03.2020 was duly attended to the reply of observation vide this office letter No.2766-67 dated: 24.07.2020. As "Land proposed for diversion in Kh no. 561/1,568&569 measuring 1.4470 ha. is additional land and the dumping area no. 3 stands already diverted in favour of Shongtong Karchham HEP. The Hon'ble, High Court in CWP no. 1667/2013 has not banned on diversion of additional proposed land adjacent to already diverted land i.e. dumping site-3. Diversion of additional forest land is a separate issue and dumping in the already diverted designated dumping site-3 is another issue. The GoHP & HPPCL have already taken the NoC from the Army authorities and army authorities has already allowed the HPPCL for the same copy of the consent of Army is appended as Annexure- **FCO-II-A**

HIMACHAL PRADESH POWER CORPORATION LTD.

(A State Government Undertaking)

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179

3. As per the observation raised vide this office letter No 7601 dated 05.03.2020 Checklist No 11 is being revised and complete detail of the area to be diverted, number of trees involved in the proposal and revised checklist is attached in the proposal folder in page no ~~23~~ to
4. This para pertains to DFO Kinnaur, reply to this observation is to be submitted by the DFO Kinnaur.
5. Since it is a well known fact that prior to the submission of hard copies to the DFO concerned, acceptance of the proposal By Nodal officer FCA 1980, Govt. of Himachal Pradesh, in all respect after the scrutinisation of the Proposal is a mandatory and DFO concerned accept the proposal only after the receipt of the Acknowledgement from Nodal officer, Copy of the acknowledgement is attached as **Annexure-FCO-II**

Beside above observations, on revenue records papers have got been attended to from the Revenue Authority as below:-

- (1) मुहाल पोवारी खसरा न0 810 में जो ततीमा काटा गया है जिसे फिल्ड बुक में सड़क दिखाई गई है, वो सड़क खसरा न0 810 तक ही जा रही है जिसका प्रयोग परियोजना प्रबन्धन द्वारा बौध में जमा हुए रेटा बजरी के निकासी एवं प्रोजेक्ट निर्माण उपरान्त बौध में एकत्रित गाद के निकासी के लिए किया जाएगा।
- (2) खसरा न0 854/823/1 की फिल्ड बुक दुरुस्त कर दी गई है। इसका प्रयोग Intake Tunnel Diversion, Tunnel Outlet एवं कार्यक्षेत्र के लिए प्रयोग किया जाना है।
- (3) मुहाल राड में जो खसरा न0 571/2 व 824/576/2 को वन भूमि स्थानान्तरण हेतु नहीं ली गई है, यद्यपि उपरोक्त उप मुहाल से जो खसरा न0 वन भूमि स्थानान्तरण हेतु ली जा रही है (खसरा न0 561/1, 568, एवं 569 है) की नकल जमाबन्दी आवेदन फाईल में लगाई गई है।
- (4) मुहाल तांगलिंग में फिल्ड बुक में जो उम्दा किस्म नहीं लिखी गई थी अब इसे लिख दिया गया है।

Submitted for incorporation of Para no. 4 of reply pertaining to your office and further recommendation and onward submission please.

HIMACHAL PRADESH POWER CORPORATION LTD.

(A State Government Undertaking)

Shongtong-Karehham Hydro Electric Project, Reckong-Peo, Kinnaur-172107 HP

Phone: 01786-222962, Fax :01786-223174, Email- skhep.hppcl@gmail.com

180

Thanking you

Yours faithfully

DA: As above.

Sr. Manager (R&R)
Shongtong-Karehham HEP,
IIPPCL, Reckong-Peo,
Distt. Kinnaur (HP).

CC:

1. The CES & RR Specialist, IPPCL, Himfed Building , BCS, New Shimla-09.

HISTORY

Large untapped hydro potential exists in the Himalayas, which can make a substantial contribution to the total power generation in the country. The country has no other option but to tapped hydel power in a big way if it has to avoid energy crisis in the long run. India has a large economically exploitable hydro potential assessed as equitant to about 25000 MW of installed capacity including pumped storage projects and small hydro schemes. The actual installed capacity at present is not even 10% of the assessed potential, out of this assessed capacity medium and large hydroelectric projects contribute 84044 of potential at 60% load factor of which only 13942.60MW (16 %) has been harnessed. The balance 84% of untapped potential is concentrated in Northern and North Eastern region of the country.

Hydro power is a critical resource for any country and its potential cannot be realised without one enabling environment and strong commitment from Govt, Government of India has taken a conscious decision to have a three pronged strategy for expeditious development of hydro power potential in India and out of 1 lac MW of capacity additions projected by the financial year 2012-30000MW will be hydro power which will be contributed by northern and North Eastern region.

Indian power Secretary-facing challenges and despite significant growth in generation over the years, it has been suffering from shortage and supply constraints. Energy and peak load shortages were 7.8% and 13% respectively in the year 2000-2001. As GDP growth accelerates to an ambitious 8-10%, the shortage will become more sever. This prevailing chronic and ever growing power shortage in the country can surely be tackled by expeditious development of the vast and economically viable hydro electric potential of 21000 MW in the snow fed rivers of Himachal Pradesh, which emanate from the western Himalayas. The states which power potential need to focus on the full development of their potential at the earliest.

TABLE
SHARE OF HYDRO POWER IN INDIA'S INSTALLED CAPACITY

YEAR	TOTAL INSTALLED CAPACITY (MW)	HYDRO POWER CAPACITY (MW)	%AGE SHARE OF HUDROPOWER
1962-63	5801	2936	50.60
1969-70	14102	6135	43.50
1979-80	28448	11384	40.00
1989-90	63636	18308	28.80
1991-92	69070	19189	27.80
1993-94	76718	20366	26.60

HYDRO POTENTIAL IN HIMACHAL PRADESH

The total potential in Himachal Pradesh is 12235.24MW at 60% load factor, with an installed capacity of 20392.07 MW. The Satluj basin in Himachal Pradesh has a hydro power potential of 9443.75MW, which represents approximately 50% of its likely installed capacity. In addition to the Satluj other rivers that are part of the

great IndusBasin and pars through Himachal Pradesh also contribute to the power potential of the state. Important ones among these are Beas river 4597MW, Ravi river 2294MW and Chenab river 2748 MW and Yamuna 591.52 MW. The total identified hydro power potential of Himachal Pradesh in its various stages of development is indicated in table.

TABLE
STATUS OF HYDRO POWER POTENTIAL IN HIMACHAL PRADESH.

STATUS	HYDROPOWER IN MW
Harnessed so far	6045.07
Under execution	4387.50
For which DPR is ready	1244.50
Under Investigation	3672.50
Schemes which are yet to be investigated	4292.50
Him Urja	750.00
Total:-	20392.07

Total exploitable hydro power in Himachal Pradesh is 12235 MW, which is 14.56% of India's total hydro power. Basin wise hydro power potential in Himachal Pradesh is depicted in table; Figure deposit important river basin of Northern India.

BASIN	HYDRO POWER IN MW
BiasBasin	4597.00
RaviBasin	2294.00
SatlujBasin	9411.25
YamunaBasin	591.52
ChenabBasin	2748.00
Mini Micro project	750.00
Total:-	20391.77

The proposed ShongtongKarchham Hydro Electric Project is envisaged as run of the river development on the SatlujRiver, in the reach between Karchham and Powari villages in KinnaurDistt of Himachal Pradesh. The project will utilize the head available between village Powari and maximum water level in pond of KarchhamWangtoohydro electric project (1000MW) . The project area is about 220 Km from Shimla, the state capital on National High way-22.

OBJECTIVE AND SCOPE OF WORK

The main objective of the study is to carry out the Environmental Impact assessment (EIA) for the proposed Shongtong-Karchham Hydro Electric Power Project to meet the environmental clearance criteria of the Ministry of Environment and forest, Government of India. The scope of study would be as outlined in the EIA guidelines of Ministry of Environment and forest for water resources / river valley project. This will facilitate the regulatory funding agency

to decide that the project options are environmentally sound and sustainable on long-term basis.

The study would include the description of project setting, appraisal of project activities and assessment of environmental impacts related to the location, design, and construction and operation of the project. An Environmental Management Plan (EMP) has been prepared to mitigate/ eliminate the negative impacts. The cost of the environmental management and monitoring programs has worked out for budgetary provisions in the overall project cost.

PROJECT LOCATION AND APPROACH

Himachal Pradesh is located in the western portion of the Great Himalayan Mountain Range of Northern India, bounded by the state of Jammu and Kashmir to the North, Tibet to the East, and the plains of Northern India to the South and west. The Satluj River is one of the major rivers draining this region. It rises in the Tibetan plateau, passes via steep valleys and gorges through the Himalayan Mountains and foot hills and meets the Arabian sea across the plains of Northern India.

The project site area is about 220 Km from Shimla, the state capital of National Highway-22 and is an immediate upstream development to the under construction Karchham Wangtoo HEP (1000MW) on the Satluj river.

GENERAL

The Shongtong -Karchham Hydro Electric Project has been envisaged with the purpose of exploiting the potential in the Satluj River at Ralli.

The project involves the construction of a diversion barrage, intake structure with 4 intake bays with gates and four no. intake tunnels passing through four No. sedimentation chambers, Head race tunnel 8002 Km long culminating in open surface surge shaft, three nos circular steel lined underground pressure shafts will convey the water to the 3 Nos Francis turbines to generate 402MW (3 x 134 MW) of power in a underground power house. The project is expected to provide annual energy generation of about 1735.50 MU in a 90 % dependable year. The project shall also provide peaking capacity benefits of 402 MW for about 4 hours per day during lean season.

The project will be constructed in a period of 6 years. Some preliminary works on infrastructure facilities will be carried out prior to taking up construction of the main power project, the start of the main project components is expected by March, 2008 and the project is likely to be commissioned by the end of July, 2013. Shongtong -Karchham HEP 402MW is techno economically viable and its early execution is planned for reducing the gap between availability and demand of power in the Northern Region of the country.

NEED OF PROJECT

Installed power generation capacity in India increased for 1362 MW in 1947 to 64,729 MW in 1990 during that period, energy production jumped from 4 to 264 TWH. However despite that appreciable growth, power demand has almost throughout outstripped the supply. At the end of the 7th plan, the shortfall in

energy availability on an all India basis was 6.8 % and the shortage with to peak availability was 19%.

The hydro power potential of Himachal Pradesh is surplus to its own requirement. However, the surplus power is usefully made available to meet the power and energy requirements in other parts of the country, and very particularly, the Northern Grid. Therefore, it is necessary to look into energy and power requirement of the Northern Region while planning of hydropower development in Himachal Pradesh, Power demand and supply for the Northern region are given in table whereas energy and pack load demand for the Region during 1995-2010 is given in Table.

TABLE
POWER DEMAND AND SUPPLY (1990-1995).

ITEM	UNIT	1990-91	1992-93	1992-93	1993-94	1994-95
Installed capacity	MW	19203	20581	22195	24274	26681
Peak availability	MW	11408	11291	12777	14008	15271
Pack lode	MW	14908	16259	17721	19240	20814
Surplus/Deficit	MW	-3500	-4338	-4944	-5232	-5543
Energy Availability	GWH	80803	82755	88165	106143	101643
Energy Requirement	GWH	79338	86553	93396	110841	110841
Surplus / Deficits	GWH	1465	-3798	-6231	-4698	-4698

TABLE
ENERGY AND PEAK LOAD DEMAND (1995-2010)

PERIOD	ENERGY (GWH)	PEAK LODE (MW)
1995-1996	119887	22466
1996-1997	129587	24234
1997-1998	139976	26124
1998-1999	151086	28143
1999-2000	162954	30295
2005-2006	248332	45634
2009-2010	318715	58117

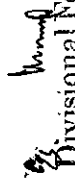
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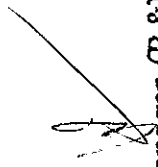
From table and table it can be seen that peak demand over a period of 20 years is likely to quadruple (four times) from 14908 MW in 1990-91 to as much as 58117 MW in 2009-2010. From the growth of peak demand and anticipated installed generating capacity on the basis of schemes proposed for benefits under construction/ consideration during eighths and ninth five year plan, it is observed that there is dire need to provide additional capacity to the Northern Grid to meet the increasing demand of the grid. Thus new schemes are required to be taken up immediately for their implementation to get the timely benefit.

The most important source of power, development in the Northern region is Hydro resources located in Himachal Pradesh, Uttaranchal and Jammu and Kashmir. ShongtongKarchham Hydro Electric Project is very good and attractive

185
scheme from the view of deriving benefits by feeding power to the Northern grid.

Govt. of Himachal Pradesh has allotted Shongtong Karchham HEP(402 MW) HEP, to Himachal Pradesh Power Corporation, vide letter No. MPP-F(2)-5/2005-II, Govt. of HP, Deptt of MPP& Power dated 6th January 2007 after obtaining all the statutory clearances, Project proponent had started the construction activities. MOEFCC has already accorded the Forest Clearance for 63-50-15 ha (Copy attached as **Annexure-I**) for the construction of Shongtong Karchham HEP(402 MW) Details for Land diverted is attached as (**Annexure--II**)


Divisional Forest Officer,
Kinnaur Forest Division
at Reckong Peo ()


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

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

Paryavaran Bhawan,
 C.G.O Complex, Lodhi 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 (HPSEB) 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 (HPSEB) 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.

Sd/-

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.

Shz

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

Shiv Pal Singh
Divisional Forest Officer,
Kinnaur Forest Division
at Reckong Poo (H.P.)

Shiv Pal Singh
Sr. Manager (R&E)
Shimla Forest Division, Shimla,
H.P. Kinnaur R.F., 172107

DETAILS OF FOREST AREA
CHECK LIST SR NO.7

STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION.

Sr.No.	District	Forest Division	Range/ Tem/sub Mchul	Khasra/Survey Or compartment or KMI stone	Forest area prop. for diversion.	Legal status of forest area.	Remarks.
1	Kinnair	Kinnair at	Kalpe/Kalpe/ Range	724/5/6/1, 571/1.	0-89-28	UPF	For surface activity
2	Kinnair	Kinnair at	Kalpe/ Kalpe/ Usaing	44	1-24-50	UPF	For surface activity
3	Kinnair	Kinnair at	Kalpe/ Kalpe/ Powan.	353,392,388,391, 387,816,797,810.	13-09-81	UPF	For surface activity
4	Kinnair	Kinnair at	Kalpe/ Kalpe/ Tausing.	811,817,821 301,931/1,648,805	0-73-04	UPF	For surface activity
5	Kinnair	Kinnair at	Kalpe/ Kalpe/ Rali.	254/1, 294/2, 51/1 251/3, 24/1, 24/2, 253/1, 293/3, 293/2, 258/1, 297, 303/1, 258,305/1,300,301, 303/2,51/1	12-81-18	UPF	For surface activity
6	Kinnair	Kinnair at	Kalpe/ Kalpe/ Khasraing.	470,725, 483, 1065,1056	15-64-79	UPF	For surface activity
7	Kinnair	Kinnair at	Morang/ Morang/Jangi	1032/1,1032/2	1-85-00	UPF	For quarry
8	Kinnair	Kinnair at	Kalpe/ Kalpe/ Tausing, Usaing, Rali.		17-72-55		For U/G Activity
		Total-		63-50-15			

Divisional Forest Officer,
Kinnair Forest Division
at Reckong Poo (H.P.)

Divisional Forest Officer
Kinnair Forest Division
at Reckong Poo (H.P.)

St. Manager (R.R.)
Shongtong Kancham H.P.
H.P. Reckong Poo, Investigation Division,
Distt. Kinnair H.P., 172107

ITEM WISE BREAKUP OF FOREST LAND PROPOSED FOR THE DIVERSION

Sl. No	Name of components of project	Area of forest land (Ha.)	Legal Status of forest land	Remarks
1	Diversion Tunnel	1.1957		Under Ground Activity
2	Intake Tunnel	0.4917		Under Ground Activity
3	Transitions	0.1442		Under Ground Activity
4	Sedimentation Chambers	3.1500		Under Ground Activity
5	Silt Flushing Tunnel	0.0798		Under Ground Activity
6	Main Silt Flushing Tunnel	0.2520 ✓		Under Ground Activity
7	Feeder Tunnels to HRT	0.2957 ✓		Under Ground Activity
8	Gate Galleries	0.1012		Under Ground Activity
9	Head Race Tunnel	8.8215		Under Ground Activity
10	Adit-1	0.2835		Under Ground Activity
11	Adit-2	0.4698		Under Ground Activity
12	Adit-3	0.1701		Under Ground Activity
13	Surge Shaft	0.1540		Under Ground Activity
14	Adit to valve Chamber and top of Surge Shaft	0.3645		Under Ground Activity
15	Drainage Gallery	0.1840		Under Ground Activity
16	Pressure Shaft	0.3608		Under Ground Activity
17	Valve Chamber	0.1056		Under Ground Activity
18	Machine Hall	0.1911		Under Ground Activity
19	Transformer Hall	0.1175		Under Ground Activity
20	Approach Adit to Machine Hall	0.0801		Under Ground Activity
21	Cable Cum Ventilation Tunnel	0.1037		Under Ground Activity
22	Tail Race Tunnel	0.6990		Under Ground Activity
23	Diversio1 Barrage and Reservoir	27.3107		Under Ground Activity
24	Dump area	1.1383	UPF	Surface Activity
25	Job Facilit (Batching Plant etc.)	0.5970	UPF	Surface Activity

26	Job Facility (Store/Shop etc.)	UPF	0.6510		Surface Activity
27	Dumping Area-2	UPF	0.6794		Surface Activity
28	Dumping Area-3	UPF	0.6926		Surface Activity
29	Dumping Area-4	UPF	1.2450		Surface Activity
30	Job facility for Power House	UPF	3.0426		Surface Activity
31	Site office and Staff Quarters	UPF	0.2816		Surface Activity
32	Dumping Area-5	UPF	0.6626		Surface Activity
33	Road to Magazine & Top of Surge Shaft	UPF	0.6122		Surface Activity
34	Surge Shaft, Working area & Road to Bottom of Surge Shaft	UPF	3.0216		Surface Activity
35	Explosive Magazine	UPF	0.1800		Surface Activity
36	Dumping Area-6	UPF	0.6819		Surface Activity
37	Road to Surge Shaft Via Adit-3 and working Area	UPF	4.3294		Surface Activity
38	Quarry	UPF	1.8500		Surface Activity
Total:-			63.5015		

Forest land required for underground activity = 17.2255 Hac.
Forest land required for surface activity = 46.2760 Hac.

Total:- = 63.5015 Hac.

Divisional Forest Officer,
Kinnaird Forest Division
H.P.D. & Reckong Poo

Asst. Secretary to Govt.
Investigation Division,
H.P.D. & Reckong Poo
Distt. Kinnaird (H.P.)

St. Manager (R&R)

Shoungtong-Reckong H.P.,
H.P.D. & Reckong Poo,
Distt. Kinnaird H.P., 172107

Divisional Forest Officer,
Kinnaird Forest Division
at Reckong Poo (H.P.)

111

Statement Showing Forest Area Involved in Proposal
Check list serial No-7

(A) STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION FOR UNDERGROUND ACTIVITY

Sr. District	Forest Division	Range/ Tehsil/Village	Components of project	Sub-Mohal	Khasra No.	Area of forest land (Hectares)	Classification of land	Legal Status of forest land	Remarks
1	2	3	4	5	6	7	8	9	10
1	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Division Tunnel	Power	1.1957			11
2	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Intake Tunnel	Power	0.4917			
3	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Transitions	Power	0.1442			
4	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Sedimentation Chambers	Power	3.1500			
5	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Silt Flushing Tunnel	Power	0.0798			
6	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Main Silt Flushing Tunnel	Power	0.2520			
7	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Feeder Tunnels to HRT	Power	0.2957			
8	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Gate Galleries	Power	0.1012			
9	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Head Race Tunnel	Power	8.6215			
10	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Adit-1	Tangling/Rail	0.2835			
11	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Adit-2	Tangling	0.4698			
12	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Adit-3	Using	0.1701			
13	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Surge Shaft	Rail	0.1640			
14	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Adit to valve Chamber and top of Surge Shaft	Rail	0.3645			
15	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Drainage Gallery	Rail	0.1840			
16	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Pressure Shaft	Rail	0.3603			
17	Kinnaur	Kinnaur	Kalpa/Kalpa/Power	Valve Chamber	Rail	0.1056			

Addl. Superintending Engineer,
Investigation Division,
HPS&B-Reckong-Peo,
Distt. Kinnaur (H.P.).

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

Wm
Sr. Manager (R&R)
Shongtong & Arellam H.P.,
Distt. Kinnaur H.P., 172107

Wm
Divisional Forest Officer,
Kinnaur Forest Division,
at Reckong Peo,
Distt. Kinnaur (H.P.)

Forest Land required for Under Ground Activities = 17,2255 Ha.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
18	Kinnaur	Kinnaur	Kiba/Kapa/Rail	Machine Hall	Rail		0.1911			
19	Kinnaur	Kinnaur	Kiba/Kapa/Rail	Transformer Hall	Rail		0.1175			
20	Kinnaur	Kinnaur	Kiba/Kapa/Rail	Approach Adit to Machine Hall	Rail		0.0801			
21	Kinnaur	Kinnaur	Kiba/Kapa/Rail	Cable Cum Ventilation Tunnel	Rail		0.1037			
22	Kinnaur	Kinnaur	Kiba/Kapa/Rail	Tail Race Tunnel	Rail		0.0990			
Total:-										

FOR SURFACE ACTIVITY

Check list serial No-7

(4.3) 194

Justification for location
Check list Serial No-10

JUSTIFICATION FOR LOCATING THE PROJECT IN THE FOREST AREA

The area proposed for diversion for Shongtong Karchham HEP 450 MW, as additional land measuring 7.3722 ha are located in various Up Mohal of Kalpa Tehsil of Kinnaur District complete details of the area proposed for diversion is detailed below:

S.No.	District	Division	Range/Tehsil/ Village	Khasra/ Survey or Compartment Number of Km. Stone	Forest Area proposed for Diversion (Ha.)	Legal status of Forest Area	Remarks
1	Kinnaur	Kalpa	Kalpa (Shudharang)	561/1	0-21-91	Charagah Drakhtaan	Dumping area adjoining to the existing Dumping area No. 3 on right bank of river Sutluj near Shongtong bridge.
				568	0-84-09	Charagah Drakhtaan	
				569	0-38-70	Charagah Drakhtaan	
				Sub Total	03 kita 1-44-70		
			Kalpa, (Barang)	3/2	0-29-60	Charagah Drakhtaan	Dumping Area near Adit-II on left bank of Sutluj River.
				Sub Total	1 kita 0-29-60		
			Kalpa (Tangling)	21/1	0-58-83	Charagah Drakhtaan	Adit-I portal on left bank of river Sutluj including its working areas.
				2/1	1-10-05	Charagah Drakhtaan	Dumping Area on left bank of river Sutluj, near Adit-I below existing HPPWD road Shongtongto Purbani.
				2/2	2-38-13	Charagah Drakhtaan	Dumping Area on left bank of river Sutluj near Adit-I below existing HPPWD road Shongtongto Purbani. D/s of proposed Adit-I
				1/1	0-15-73	Gajmum kindariya	Silt Flushing Tunnel 's outlet portal and approach road to portal & its working area.
				838/1	0-35-86	Charagah Drakhtaan	
				840/1	0-34-36	Charagah	

197

geological conditions to construct the various components of the project, as compare to the right bank and no other suitable area was available, where use of forest land could be avoided/ minimized. In the present proposal, the vegetation on area required is low and is mostly rocky/ barren. While there is small destruction of green vegetation, therefore this location is suitable for the construction of this project.

(Signature of User Agency)

Office Seal

Shongtong-Karchham HEP,

HPPCL, Reckong-Pee,
Dist. Kinnaur H.P., 172107

Countersigned By:-

Divisional Forest Officer,

Kinnaur Forest Division,

at Reckong-Pee, (H.P.)

Annexure FCO-II-A 198

136 (I) Inf Bde Gp OMC
PIN-909136
c/o 56 APO

1123/Muck Dumping/37/QM

Himachal Pradesh
Power Corporation Ltd
Dist- Kinnaur (Reckong Peo)

20 Jan 2020

**DUMPING OF EXCAVATION MUCK AT DESIGNATED
DUMPING SITE NO 03**

1. Refer to HPPCL, Shimla letter No SWD-(A)4-5/2017-Loose-I dated 17 Sep 2019.
2. It is intimated that permission for dumping excavated earth at site No 3 has been accorded. The dumping will be carried out under supervision and restrictions as mandated as per provision of WoDA-1903. Following aspects have to be strictly adhered to:-
 - (a) Safety and Security of Ammunition point, persons & stores.
 - (b) No dumping will be allowed to take place above the ground level in the immediate vicinity/perimeter of Ammunition Point.
 - (c) No crowding/ unauthorised movement of vehs in the restricted zone.
 - (d) No construction/ obstruction of any kind (Temporary / Permanent) will be allowed.
 - (e) No blasting / hazardous activity in notified area in vicinity of Ammunition Point.
 - (f) Dumping will be carried out in a phased manner so as to prevent crowding of vehicles in the vicinity of Ammunition Point.
 - (g) The activity if found unsuitable would be stopped forthwith on requisition of Military authorities and subsequent attention is drawn to WoDA 1903.
3. In view of the above, you are requested to forward tentative plan covering dumping schedule prior to commencement of dumping.

Copy to

HQ 136 (I) Inf Bde Gp (Q) -
PIN-908636
c/o-56 APO

For info pl.

Sy. [Signature]
Divisional Forest Officer,
Kinnaur Forest Division

[Signature]
(Mani Singh)
Lt Col

Officer Commanding

Sr. Manager (R&P)
Shri. Jagdish Chandra HEP.
HEP, Kinnaur, Kang-Proc,
Distt. Kinnaur I.M.P., 172107

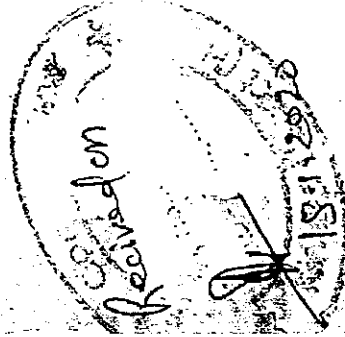
Acknowledgement Slip

This is to certify that hard copy of the proposal seeking prior approval of Central Government under the Forest (Conservation) Act 1980, as per details given below, along with all necessary enclosures has been received in the Office of the Himachal Pradesh Forest Officer, 13/11/2019.

1. Proposal No. : FP/FP/HYD/40611/2019
2. Proposal Name : Shongtong Karcham HEP 450 MW
3. Category of the Proposal : Hydel
4. Date of Submission : 13/11/2019
5. Name of the User Agency with Contact Details
Name : Naveen
Mobile No. : 9418938507
State : Himachal Pradesh
District : Kinnaur
Pincode : 172107
6. Area Applied (ha.) : 7.3722

Divisional Forest Officer
Kinnaur Forest Division
At Reckong Peo, H.P.

Sr. Manager (R&R)
Shongtong-Karcham HEP,
H.P., Reckong-Peo,
Distt. Kinnaur H.P., 172107



No. 5696
H.P. Forest Department

Dated Rekong Peo, the, 28-1-2021
To:-CCF (T) Rampur.

From: DFO Kinnaur.

Subject :- Diversion of 7.3722 hectare of 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 District Kinnaur H.P.

Memo;

Kindly refer to your Office letter No. 5331 Dated Rampur, the 5.1.2021 on the subject cited above.

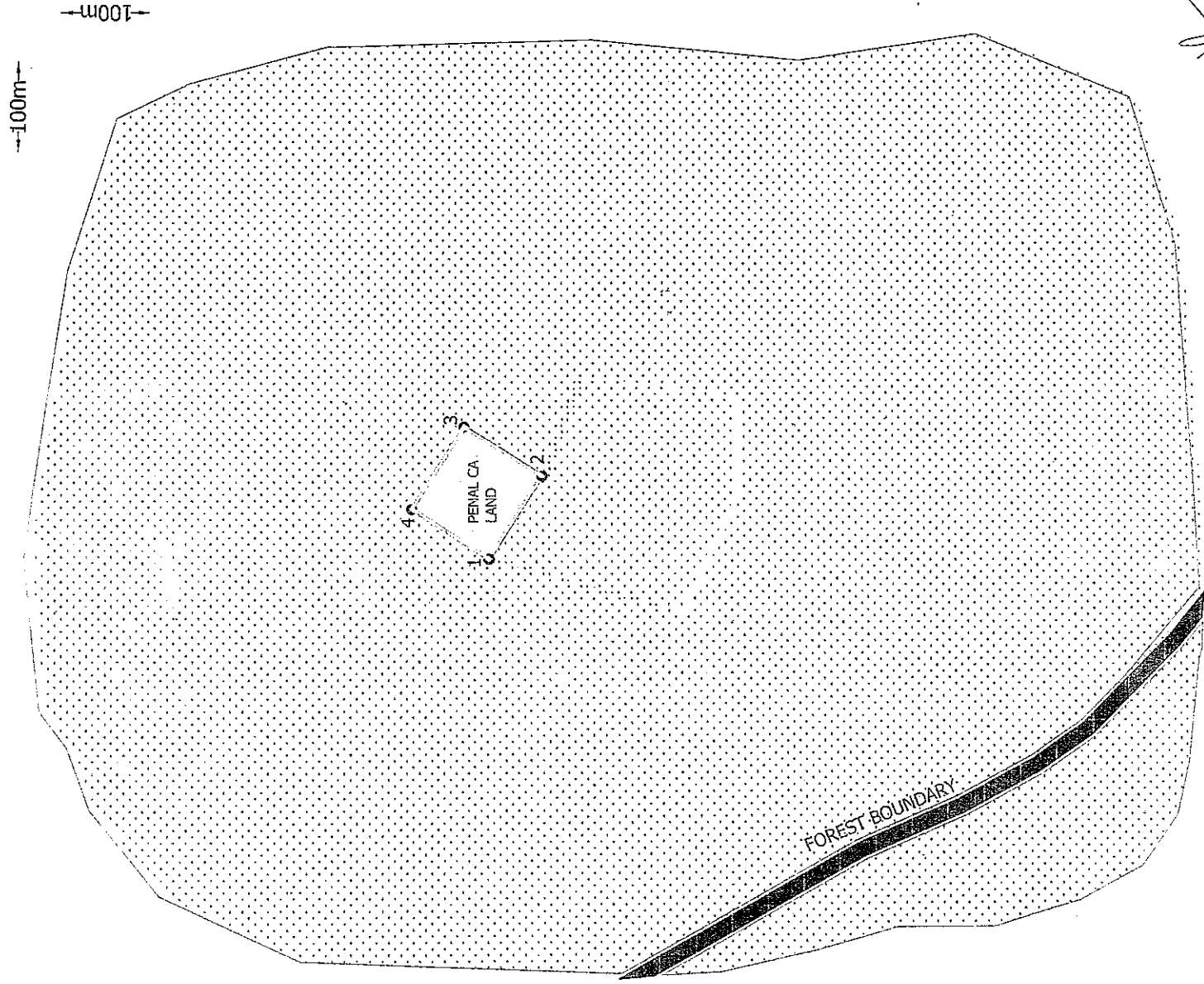
In this connection, it is submitted that the point-wise requisite compliance is furnished as under: -

1. The Check list placed in the proposal folders are marked proper and tightened in each folder.
2. The digital map of the Penal CA, CA scheme and Project site Plan in the proposal folder has been marked in distinct color and countersigned by the DFO Kinnaur are placed in proposal folder at Page No. 202 to 204.
3. Land suitability certificate for Penal CA is being placed in the proposal folder at Page No. 205.

Beside above observation the observations raised in the revenue paper are being complied as under: -

1. उप मुहाल पोवारी के खसरा नं० 854/823/1 के गोशा (घ) का इस्तखराज जो गलत दर्ज है, को दुरुस्त किया गया है।
2. खसरा नं० 854/823/1 की प्रस्तावित किस्म पूर्व में काली स्याही से लिखी गई है, जिसे अब सुर्ख लिखा गया है।
3. खसरा नं० 840/1 व 1/1 की भूमि जिस प्रायोजन हेतु लिया गया है उसे काली स्याही से पूर्व में लिखा गया है, जिसे अब सुर्ख लिखा गया है व खसरा नं० 1/1 की प्रस्तावित किस्म को भी सुर्ख लिखा गया है।
4. तांगलिंग के खसरा नं० 938/1 का प्रस्तावित वनभूमि-स्थानान्तरण हेतु नहीं लिया गया है। जबकि खसरा नं० 838/1 ही वन भूमि स्थानान्तरण हेतु लिया जा रहा है जिसका फिल्ड बुक व तृतीया Page No.115 में सलग्न है।

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



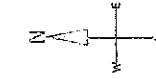
Dr. Manoj (T.P.)
Shongtong Hydro Electric Project,
Karchham Hydro Electric Project,
Distt. Kinnaur H.P., 172107

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

Coordinate Table

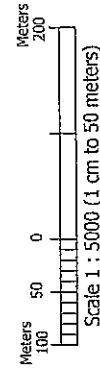
S. No.	Easting	Northing	Latitude	Longitude
1	237831.559	3491816.750	31° 31' 53.517" N	78° 14' 19.881" E
2	237925.947	3491756.767	31° 31' 51.649" N	78° 14' 23.514" E
3	237983.239	3491845.012	31° 31' 54.559" N	78° 14' 25.598" E
4	237888.859	3491904.985	31° 31' 56.428" N	78° 14' 21.966" E

Area Details of Penal C.A. Land			
Sr. No.	Mohal	Khasra No.	Area (Hect.)
1	RADULA		1.1766
Total			1.1766



INDEX

Proposal Ca-Site	
Forest Land	
Forest Boundary	



- Boundary area depicted in the drg is as shown by the client at site
- 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
HIPCL Building,
HIPCL, Reckong Poo

Cost of Penal compensatory Afforestation (CA) Scheme which Violation found over 1.1766 hac of additional forest Land under FCA, 1980 in favour of Shongthong Karchham HEP, Distt Kinnaur HP, within the jurisdiction of Kinnaur Forest Division						
Area proposed to be diverted	1.1766 hac					
Total number of plants to be planted	1100 Nos.					
Area proposed for plantation						
Species to be planted	Coniferous and other broad live species.					
Particulars of works	Unit cost at wage structure for 2019-20 onwards	Year of execution of works	Cost escalation	Unit cost after applying cost escalation	Total amount	
Initial cost for raising compensatory afforestation over an area of 2.32 hectare	117111	2020-21	10%	128822	151572	
1 st year maintenance	10420	2021-22	20%	12504	14712	
2 nd year maintenance	7030	2022-23	30%	9139	10753	
3 rd year maintenance	3645	2023-24	40%	5103	6004	
4 th year maintenance	3645	2024-25	50%	5467	6432	
5 th year maintenance	3645	2025-26	60%	5832	6862	
6 th year maintenance	3645	2026-27	70%	6196	7290	
7 th year maintenance	3645	2027-28	80%	6561	7720	
8 th year maintenance	3645	2028-29	90%	6925	8148	
9 th year maintenance	3645	2029-30	100%	7290	8577	
10 th year maintenance	3645	2030-31	110%	7654	9006	
				Total =	237077	
				Contingencies Charges @ 5%	11854	
				G.Total	248930	
				Departmental Charges @ 17.5%	43563	
				G.Total	292493	

Deputy Conservator of Forests
Kinnaur Forest Division
at Reckong Peo

205

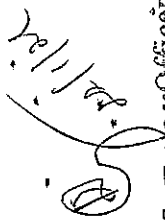
CHECK LIST SERIAL NUMBER

LAND SUITABILITY CERTIFICATE BY DFO CONCERNED

This is to certify that 1.1766 hac. land bearing Survey Sheet No. H44A2n near village Kalpa in Tehsil Kalpa Distt. Kinnaur H.P. identified for Penal Compensatory a forestation is suitable for undertaking plantation from the management point of view and is free from all sort of encumbrance and encroachments.

Dated 22-01-2021

Place: Reckong Peo.


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

No. 533/
H.P. Forest Department

Dated Rampur, the 5-1-2021

From: - C.C.F. Rampur.

To :- DFO. Kinnaur at R/Peo.

Subject:-

Diversion of 7.3722 hac of Additional Forest land in favour of Himachal Pradesh Power Corporation Ltd. for the construction of Shongtong Karchham HEP 450 MW due 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, District Kinnaur, H.P.

Memo:

Please refer to your office Memo No. 4877 dated 13.12.2020 on the subject cited above.

2. From the perusal of reply to the observation as received vide proposal folders letter under reference it is observed that the same has been prepared in a very hasty and slipshod manner.

1. The check list/papers placed in the proposal folders are loose and also not indexed and marked properly.
 2. The digital map to the penal CA, CA scheme and project site be placed in the proposal folders in distinct color duly authenticated by the DFO.
 3. The land suitability scheme for raising penal CA has not been placed in the proposal.
- Besides, following observations have also been observed in revenue papers as under:-

- i) उप महाल पवारी के खसरा नम्बर 854/823/1 के गोशा (घ) का इस्तखराज गलत दर्ज है। जिसका रकवा 435 के बजाये 375 लिखा जाना चाहिए था। दरुस्त किया जावे।
- ii) खसरा नम्बर 854/823/1 की प्रस्तावित किस्म सुर्ख लिखी जावे।
- iii) उप महाल तंगलिंग के खसरा नं० 840/1 व 1/1 में जो ततीमा काटा गया है यह ततीमा किस कार्य के लिए बनाया गया है। प्रस्तावित भूमि जो अधिग्रहण होनी है। नहीं लिखा गया है। अब सुर्ख लिखा जावे।
- iv) तंगलिंग के खसरा नम्बर 938/1 जो ततीमा काटा गया है उसकी फिल्ट बुक नहीं बनाई गई है। जबकी फिल्ट बुक खसरा नम्बर 838/1 की बनाई गई है। अब दरुस्त किया जावे।
- v) उप महाल तंगलिंग के खसरा नं० 300 की नकल जमा बन्दी भी लगाई जावे इस रकवा की किस्म क्या है। बताई जावे।
- vi) उप महाल युसारिंग के खसरा नम्बर 6 की नकल जमा बन्दी भी तैयार की जावे।
- vii) महाल रांग के खसरा नं० 571/2 व 724/576/2/1 की जमा बन्दी की नकल नहीं लगाई गई है। अब लगाई जावे तथा खसरा नम्बर 561/1 व 724/576/2/1 की प्रस्तावित किस्म नहीं लिखी गई है। अब सुर्ख लिखी जावे तथा चैक लिस्ट 7 में भी दरुस्ती की जावे।

viii) उपरोक्त सभी बिन्दुओं में पाई गई दरुस्ती करके चैक लिस्ट 7 में भी दरुस्ती की जावे।
Therefore, you are directed to attend the above observation and re-submit the complete case in all respect for processing further accordingly.

Encl :- As above

(8-1-2021 = 3 Huc)


Chief Conservator of Forests,
Rampur Forest Circle, H.P.

No. 5696 .
H.P. Forest Department

Dated Rekong Peo, the, 28-1-2021

From: DFO Kinnaur.

To:-CCF (T) Rampur.

Subject: - Diversion of 7.3722 hectare of 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 District Kinnaur H.P.

Memo;

Kindly refer to your Office letter No. 5331 Dated Rampur, the 5.1.2021 on the subject cited above.

In this connection, it is submitted that the point-wise requisite compliance is furnished as under: -

1. The Check list placed in the proposal folders are marked proper and tightened in each folder.
2. The digital map of the Penal CA, CA scheme and Project site Plan in the proposal folder has been marked in distinct color and countersigned by the DFO Kinnaur are placed in proposal folder at Page No. 202 to 204.
3. Land suitability certificate for Penal CA is being placed in the proposal folder at Page No. 205.

Beside above observation the observations raised in the revenue paper are being complied as under: -

1. उप मुहाल पोवारी के खसरा नं० 854/823/1 के गोशा (घ) का इस्तखराज जो गलत दर्ज है, को दुरुस्त किया गया है।
2. खसरा नं० 854/823/1 की प्रस्तावित किस्म पूर्व में काली स्याही से लिखी गई है, जिसे अब सुर्ख लिखा गया है।
3. खसरा नं० 840/1 व 1/1 की भूमि जिस प्रायोजन हेतु लिया गया है उसे काली स्याही से पूर्व में लिखा गया है, जिसे अब सुर्ख लिखा गया है व खसरा नं० 1/1 की प्रस्तावित किस्म को भी सुर्ख लिखा गया है।
4. तांगलिंग के खसरा नं० 938/1 का प्रस्तावित वनभूमि-स्थानान्तरण हेतु नहीं लिया गया है। जबकि खसरा नं० 838/1 ही वन भूमि स्थानान्तरण हेतु लिया जा रहा है जिसका फ़िल्ड बुक व ततीमा Page No.115 में सलग्न है।

5. उप मुहाल तांगलिंग में खसरा न० 300 को प्रस्तावित वन भूमि-स्थानान्तरण हेतु नहीं लिया गया है।
6. उप मुहाल युसारिङ में खसरा न० 06 को प्रस्तावित वन भूमि-स्थानान्तरण हेतु नहीं लिया गया है।
7. उप मुहाल रांग में खसरा न० 571/2 व 724/576/2/1 को प्रस्तावित वन भूमि-स्थानान्तरण हेतु नहीं लिया गया है, जबकि खसरा न० 56/1 को ही वन भूमि-स्थानान्तरण हेतु लिया गया है, जिसकी प्रस्तावित किस्म पूर्व में ही लिखी गई है जो चैक लिस्ट न० 7 में भी दर्शाया गया है।

It is, therefore recommended that the proposal may kindly be sent to
 Govt for according necessary approval under Section 2 of Forest (Conservation) Act, 1980
 please.

Encl: - As above.


 Divisional Forest Officer,
 Kinnaur Forest Division at
 Rekong Po (H.P.) 172107

Endst. No.

Dated R/Peo, the

Copy is forwarded to:

1. General Manager, Shgongtong- Karchham HEP 450 MW District Kinnaur H.P. for
 information and similar necessary action .


 Divisional Forest Officer,
 Kinnaur Forest Division at
 Rekong Po (H.P.) 172107

No. FCA-I/Kinnaur
H.P. Forest Department

Dated Rampur, the

From :- CCF, Rampur.

To : Nodal Officer -cum- Addl. Pr. CCF (FCA)
O/o Pr. CCF (HoFF) H.P. Shimla-I.

Subject :-

Diversion of 7.3722 hac of Additional Forest land in favour of Himachal Pradesh Power Corporation Ltd. for the construction of Shongtong Karchham HEP (450 MW) due 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, District Kinnaur, H.P.

Memo:

DFO Kinnaur has submitted proposal for diversion of 7.3722 hac. of Additional Forest land in favour Himachal Pradesh Power Corporation Ltd. for the construction of Shongtong Karchham 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 District Kinnaur, H.P. for according necessary approval under section -2 of Forest (Conservation) Act, 1980. The proposal has been uploaded on web portal of forest clearance by DFO Kinnaur as per new guidelines of online system.

It is, therefore, requested that the approval for diversion of above land may kindly be obtained from the competent authority and conveyed to this office at the earliest. The proposal folder in duplicate is submitted herewith for further necessary action please.

Encl : As above.

Chief Conservator of Forests,
Rampur Bushahr (H.P.)

Endst. No. 6012 Dated Rampur, the 02-02-2021

Copy is forwarded to DFO Kinnaur at R/Peo w.r.t. his office Memo No. 5696 dated 28.01.2021 for information.


Chief Conservator of Forests,
Rampur Bushahr (H.P.)

Regd Parcel

No.Ft.48-4019/2020(FCA)
H.P.Forest Department.

Dated Shimla-1, the

To:-CCF Rampur.

From:
Nodal Officer-cum-APCCF(FCA)
O/O Pr. CCF, H P (HoFF)

Subject:-
Diversion of 7.3722 ha of Addl. forest land in favour of Himachal Pradesh Power Corporation Ltd. for the construction of Shongtong Karchhan HEP450 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:-

Kindly refer to your office letter No.FCA-1(Kinnaur)/6011 dated 2.2.2021 on the subject cited above.

2. The proposal received has been found incomplete. The following shortcomings have been noticed in the proposal which are to be completed. Proposal folders received are returned herewith. All the requisite documents may please be placed in the proposal folder with proper numbering and index.

1. There is difference in estimated cost of the project mentioned against column No.A-1(vii) of online part-I and mentioned against column No.1(iii) in hard copy of part-I. The estimated cost of the project should tally as mentioned in hard copy and in online part-I.
2. Against column No.K(i), 'Yes', has been mentioned and FRA certificate has also been uploaded, but instead of uploading the original FRA certificate alongwith all the proceedings, photocopy of FRA has been found uploaded. As per GoI instructions, original FRA certificate alongwith all the proceedings if not in original, duly attested by the issuing department is required to be uploaded against column No.K(i). In both the proposal folder photocopy of FRA has been placed. Atleast in one of the proposal folder, original copy of FRA certificate alongwith all the proceedings is required to be placed.
3. Against column No.I(i), 'No', has been mentioned. As per latest instructions of GoI, in case of "No", the distance from the protected area or their Eco sensitive zone is required to be obtained from DFO concerned for uploading against additional information details in online part-I.
4. There is difference in the density of vegetation mentioned in online part-II and mentioned in hard copy of part-II. In online part-II, against column No.4(i), '0.3' has been mentioned whereas in hard copy against column No.7(vi), '2.79 or say 3, has been mentioned. The density mentioned in online and hard copy should match and the density of vegetation is required to be mentioned in decimal unit as has been mentioned in online part-I.
5. As per enumeration lists of trees placed in the hard copy of proposal folder only 53 trees are standing over the forest land proposed for diversion whereas in online part-II against column No.4(ii), 112 trees have been shown. Thus there is difference in number of trees mentioned in online part-II and in hard copy of part-II. It is not clear how much number of trees are involved in the present proposal. Total number of trees involved in the proposal is required to be mentioned in online part-II and should match with the enumeration lists of the trees placed in the proposal folder. Further enumeration lists have not been signed by the DFO concerned.

G.M.
A.G.M.
F&A
P&A
P&C
Dr. M-J
S. M-J

Immediate

SM (R&R)

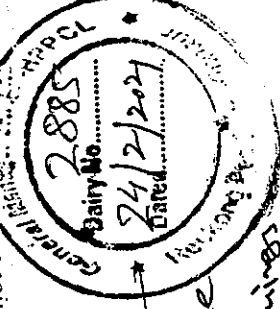
To attend DFO office

Personally & inform

the uploaded the progress

Urgent
Dy. Mag (Env) 30 (8-50)

*Kindly show the
abundance of shortcomings
on printing of*



PTO

24/02/21

25/2/21

6. Scientific name of all the trees have neither been mentioned in online part-II nor in hard copy of part-II. If the scientific name of all the trees are not in the dropdown menu, the scientific name of all the trees are to be mentioned within bracket with the local name of the trees. General abstract of all the trees coming in the proposed project alongwith scientific names duly signed by the DFO concerned is required to be placed in the proposal folder.
7. Against column No.8 (i), instead of reporting the wild life present in and around the forest land proposed for diversion, 'No wildlife or National Park is present in the vicinity of proposed land' has been mentioned against this column. The wild life present in and around the forest land proposed for diversion is required to be mentioned against this column.
8. Against column No.11, in online part-II, 'Yes', has been mentioned, whereas against column No.11(i)(a) and (b), of online part-II, no details have been mentioned. Further, in hard copy of part-II, against column No.9, 'No', has been mentioned. Revised part-II, with correct details is to be placed in hard copy.
9. Against column No.12 of online part-II, 'Yes' has been mentioned. Why the work has not been stopped?
10. CA scheme uploaded against column No.13(ii) in online part-II and placed in the proposal folder is on the current wage rates. Revised CA scheme on current wage rates of 2020-21 is required to be prepared for uploading in online part-II and placing in hard copy of part-II.
- i1. One of the digital maps of the CA site, uploaded against column No.13(iii) has not been signed by DFO concerned.
12. As per latest instructions of GoI, also endorsed to all CFs/CCFs, the PDF of hard copy of proposal folder is also required to be uploaded in online part-I, by the user agency. The user agency be advised to upload the same after necessary corrections are made in the proposal folder.

Encl:-2 proposal folders.

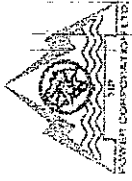
Nodal Officer-cum-Addl.Pr.CCF(FCA),
O/o Pr.CCF(HoFF) HP Shimla-1.

No. Ft.48-4019/2019(FCA) Dated Shimla-1, the 22/11/2021

Copy is forwarded to the following for information & necessary action as above.

1. DFO Kinnaur.
2. Senior Manager, STKHEP, HPPCL, Reongpeo, Distt Kinnaur, HP.

Received 18/11/2021
Nodal Officer Cum-Addl. Pr.CCF(FCA)HP
O/o Pr.CCF(HoFF) HP Shimla-1



HIMACHAL PRADESH POWER CORPORATION LTD.

(A State Government Undertaking)

Shongtong-Karchham Hydro Electric Project, Reckong-Peo, Kinnaur-172107 HP

Phone: 01786-222962, Fax :01786-223174, Email- skhep.hppcl@gmail.com

HPPCL/GM-SKHEP / AFL/2020/2695-96

Dated: 26-8-2021

To

The Divisional Forest Officer,
Kinnaur Forest Division,
At Reckong -Peo.

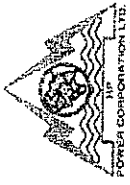
Sub: Diversion of 07.3722 ha of Additional Forest land in favour of Himachal Pradesh Power Corporation Ltd. for the construction of Shongtong Karchham HEP, 450 (MW) – due to enhancement in the existing capacity of HEP 402 to 450 MW and due to change in the river course during The flood and usage of already diverted dumping site used by BRO within the Jurisdiction of Kinnaur Forest Division, District Kinnaur, HP.

Ref:- Nodal officer cum APCCF(FCA) No Fl.48-4019/2019(FCA)dated 18.Feb 2021 and further Endst. By DFO, Kinnaur Office Letter No 2052.dated 25.08.2021

Sir,

This is with reference to subject cited letter above received from your office. The point wise compliance to the observation raised by the Nodal officer cum APCCF (FCA) Shimla are as under:-

1. The estimate of the cost of the project mentioned against the column no: A-I(vii) of online Part-I and hard copy column No I(iii) are being rectified with supporting document as **Annexure-I** (copy of TEC)
2. FRA certificates along with the all the proceeding duly authenticated by the issuing authority is being uploaded on the online portal and same is being attached in the hard copies of the proposal folders as (**Annexure - II.**)
3. Against Coolum No I(i), as per the latest instruction of GOI the distance from the protected area / Eco sensitive zone is being obtained from the DFO concerned and being uploaded against additional information & same is being attached in the hard copies of the proposal folders as (**Annexure-III.**)



HIMACHAL PRADESH POWER CORPORATION LTD.

(A State Government Undertaking)

Shongtong-Karchham Hydro Electric Project, Reckong-Peo, Kinnaur-172107 HP

Phone: 01786-222962, Fax :01786-223174, Email- skhep.hppcl@gmail.com

4. Observations raised in Sr. No. 4 to 11 pertained to DFO concerned and may please be attend/rectified from their own portal.
5. As per the latest instructions of GoI, the PDF of hard copy of the proposal folder is being uploaded as additional information in online Part-I.

After due rectifications in the online proposal/ hard copies, are being resubmitted for further recommendation please.

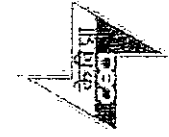
Yours faithfully

DA: - As above


Sh. Manoj Kumar
Shongtong-Karchham HEP,
HPPCL, Reckong-Peo, 172107
Distt. Kinnaur (H.P.).

Copy forwarded to:-

1. The CES, HPPCL, Himfed building, BCS, New Shimla -09, (H.P.) for information please



भारत सरकार/Government of India
केन्द्रीय विद्युत प्राधिकार/ Central Electricity Authority
सचिवालय/Office of Secretary
श्रीम प्रसाद/Secy Bhawan
आर.के.पुरम/R.K. Puram
नई दिल्ली/ New Delhi - 110006



आदेश क्र.ए.आ.डी. - ०००१/२००८

No.2/HIP/29/CEA/07-PAC/5066-97

Dated the 8th August 2011

OFFICE MEMORANDUM

Subject: Shongtong Karcham Hydro Electric Project (3x150=450 MW) in Himachal Pradesh by M/s. Himachal Pradesh Power Corporation Limited (HPPCL) at an estimated cost of Rs. 2807.83 Crores including IDC of Rs. 465.74 Crores as of July, 2011 Price Level - Issue of Concurrence.

M/s. Kinner Kailash Power Corporation Limited (KKPCL) had submitted Detailed Project Report (DPR) of the generation scheme of Shongtong Karcham Hydro Electric Project (402 MW) in Himachal Pradesh vide letter dated 27.10.2007. Meanwhile, M/s Himachal Pradesh Power Corporation Limited (HPPCL) also submitted Detailed Project Report (DPR) of the generation scheme of Shongtong Karcham Hydro Electric Project (402 MW) vide their letter No. HPPCL/DC/SHONGTONG-KARCHAM/DPR/07-156, dated 30.10.2007. Subsequently, DPR submitted by M/s. KKPCL was withdrawn vide their letter dated 02.11.2007. The presentation of the scheme was made by M/s. HPPCL on 27.11.2007 to appraisal groups of CEA, CWC & GSI. The DPR was returned on 18.12.2007 due to inadequate geological explorations, updation of hydrology, confirmation of levels of upstream & downstream projects from State Govt., updation of cost estimates etc.

M/s. HPPCL again submitted revised DPR of Shongtong Karcham HEP (450 MW) vide their letter No. HPPCL/CP/Shongtong karcham/ Vol-V/2010-16373 dated 9.11.2010. The DPR was returned on 31.3.2011 due to non submission of reply to comments of CEA, CWC & GSI and non resolution of various issues of Project. However, M/s. HPPCL was advised to interact with CEA, CWC & GSI on various key issues and get them resolved. DPR of Shongtong Karcham HEP was taken under examination in November 2011, after resolution of most of the outstanding issues of CEA, CWC and GSI.

The proposal for establishment of Shongtong Karcham Hydro Electric Project (3x150=450 MW) in Kinnaur District of the State of Himachal Pradesh proposed by M/s. HPPCL was considered in the 313th Meeting of CEA held on 27.4.2012 based on the Agenda note circulated vide CEA letter No. 3/106/313th/2006-PAC/2376-2403, dated 26.4.2012 and in Authority meeting held on 13.7.2011 at Sewa Bhawan, R.K.J Puram, New Delhi-110006. M/s HPPCL submitted the updated final DPR after incorporating the suggestions / modifications indicated by CEA, CWC & GSI during appraisal process and changes in project features and project cost as approved in the Authority meeting held on 13.7.2012.

2. In exercise of the powers vested with the Authority under Section 8 of the Electricity Act, 2003, the Central Electricity Authority accords Concurrence to the aforesaid scheme at an estimated

(Signature)
14/8/2011

cost of Rs. 2807.83 Crores including IDC of Rs. 465.74 Crores at July, 2011 Price Level with the following stipulations:-

(i) the cost of the scheme shall not exceed the above cost except on account of:-

- (a) Change in rates of Indian taxes and duties and additional taxes and duties levied, if any, subsequent to issue of this O.M.
- (b) Change in Indian Law resulting in change in cost.
- (c) Variation in actual interest rate.

(ii) Interest During Construction (IDC) shall be as per actuals but not exceeding the amount as indicated at *Annex-I* except for variation in actual interest rate(s) and the pro-rata variation in land cost, as stated in clause 2 (i) (a) & (b) of this O.M.

3. The abstract of Project Cost approved by C.P.A. is furnished at *Annex-I, IA and IB*. The summary of tentative Financial Package, as submitted by M/s. HPPCL and considered by C.P.A. and the salient features of the scheme are given in *Annex-II & III* respectively.

4. This Concurrence is subject to fulfilment of the following conditions:-

i) The following conditions/circumstances shall not be a re-opener of the Project Cost Concurrence:-

- (a) Non-acquisition of land.
- (b) Non-finalisation of power purchase agreement.

ii) M/s HPPCL shall incorporate the suggestions/ observations of Central Water Commission (CWC) (*Annex - IV*) on Hydrology, Hydel Civil Design, B & F, Foundation Engineering & Seismic Design, Inter-State aspects and Central Soil & Material Research Station (CSMRS) etc. during the detailed design stage.

iii) M/s HPPCL shall collect site specific short interval rainfall-runoff data for the project catchment for at least 4-5 flood events for the development of catchment response, function and review the design flood at the construction stage.

iv) Suggestions of GSI (as given at *Annex - F & FA*) and furnished as comments from time to time shall be followed. Cost for changes required subsequent to investigations shall be absorbed by the company. Report on additional investigations completed shall be submitted by M/s HPPCL.

v) Site specific seismic studies for design earthquake parameters shall be got approved from the National Committee on Seismic Design Parameters (NCSDP).

vi) Govt. of HP have confirmed FRI and FVI of Shongtong Karcham HEP as 1956 m and 4810 m respectively vide letter No. HP DCE/CI/ (Energy/HPPCL Misc/2010-2001) dated 19.03.2011. As such responsibility of correctness of levels of Shongtong Karcham HEP lies with the Govt. of HP and M/s HPPCL.

vii) M/s HPPCL shall carry out Physical/ Numerical Model Studies during detailed design stage as agreed by them.

viii) M/s HPPCL shall carry out Petrographic examination of coarse and fine aggregates samples for all potential quarries for knowing the presence of reactive materials and all other tests suggested by CSMRS at pre-construction stage.

[Signature]
M/s HPPCL

- ix) As per decision taken in Authority Meeting No. 25/2002, dated 29.02.2002, M/s HPPCL being a State Public Sector Organization, quantities involved in Civil and Engineering structures have not been examined in CEA/CWC. A certificate in regard of correctness of quantities of civil works has been furnished by M/s HPPCL, vide letters dated 17.11.2011 (*Annex- VI*) & dated 29.6.2012 (*Annex- VII*). Hence, the correctness of quantities of civil works shall be the responsibility of M/s HPPCL.
- x) Under the cost of civil works, total provision under the head "B-Land" has been made as Rs 67.38 crores at July, 2011 P.L.
- xi) Environmental clearance (for 450 MW) and Forest clearance (for 402 MW) have been accorded by Ministry of Environment & Forest (MOEF). A provision of Rs 102.71 crores has been kept in cost estimates of civil works under the sub-head "Environment and Ecology". Forest clearance for 450 MW shall be obtained by M/s. HPPCL
- xii) Suitable rehabilitation and re-settlement plan shall be prepared by HPPCL and submitted to MOEF for obtaining their clearance. A provision of Rs.3.93 Crores in cost estimates of Civil works has been made for R&R Plan at July, 2011 P.L.
- xiii) If any impact on wild life is observed, M/s HPPCL would obtain clearance from National Board of Wild Life.
- xiv) As the Scheduled Tribe population is getting affected, clearance under Forest Rights Act from Ministry of Social Justice & Empowerment / Tribal Affairs shall be obtained by M/s. HPPCL.
- xv) M/s HPPCL shall comply with the guidelines for participation of foreign companies, in tender work packages of Hydro electric Projects in sensitive areas, issued by Ministry of Power vide No. 7/1/2002-DO(NHPC) [Vol. II], dated 03.09.09 appended at *Annex- VII*.
- xvi) M/s HPPCL shall take appropriate precautions to avert flooding of power house by adopting measures listed at *Annex- VIII*.
- xvii) Fly ash and fly ash based products shall be used in the construction of various works, infrastructure facilities etc to the extent possible in accordance with MOEF notification dated 14.09.1999 and its amendment dated 27.08.2003 and 03.11.2009 and further revision/amendment, if any. The construction material surveys shall include the required investigations for use of Fly Ash and Fly Ash based products in various works, infrastructure facilities etc. and their feasibility shall be ascertained by M/s HPPCL. In case, fly ash proposed to be used is based on imported coal, the fly ash shall be tested for radio activity before incorporating in the project.
- xviii) M/s HPPCL shall deploy modern tools/ software for construction monitoring of the project by establishing IT based monitoring systems and linking the same to CEA network.
- xix) M/s. HPPCL shall identify additional quarry sites for meeting the shortfall of construction material before taking up the construction of the project. The suitability of the material of new quarry sites shall also be established.
- xx) M/s. HPPCL shall submit the updated/ Final DPR to the State Govt. Approving Electricity Regulatory Commission and Central Transmission Utility, BSNL as submitted to CEA.
- xxi) Information in respect of tying up of essential inputs/statutory clearances, results of investigations/ studies shall be submitted to CEA/CWC/GSI on receipt of same from time to time.

[Signature]
[Signature]

xxii)

Concurrence is subject to compliance by M/s HPPCL of various policies/guidelines issued by Govt. of India from time to time.

xxiii)

Broad technical aspects of the project proposal in the project report have been submitted in CEA in consultation with CWC, GSI and other concerned agencies. The scrutiny is based on the data, assessment and certificates presented in the report and information/clarifications received as compliances to the observations on the assumption that the data and information furnished are accurate and have been collected reliably by the project authorities from dependable sources and/or after carrying out detailed surveys and investigations as presented in the report.

xxiv)

M/s HPPCL shall obtain clearance on International aspect from Ministry of Water Resources/CWC.

xxv)

M/s HPPCL shall obtain the clearance from Ministry of Defence for the project.

xxvi)

Any modification, necessitated to be carried out by M/s. HPPCL, in project design parameters being presently sanctioned by CEA, shall be got approved by CEA in advance with full justification before implementation at project site.

xxvii)

The hydro machine shall be capable to run on synchronous condenser mode.

xxviii)

The current rating of 400 kV switchyard and XLPE cable shall be adequate for handling 3000 MW power at 400 kV.

xxix)

The rated short circuit current capacity for switchyard at 400 kV bus shall be 50 kA for one second.

5. The cost of the project cleared by the Authority is indicative. The tariff of the project shall be regulated by the appropriate Electricity Regulatory Commission.

6. Commissioning schedule of the generating units from zero date i.e. 1st June, 2012 shall be as follows:

Unit - 1 : 56th Month

Unit - 2 : 57th Month

Unit - 3 : 58th Month

7. Monthly Status Report of compliance of the conditions stipulated under para 4 of this Concurrence letter shall be submitted to Secretary, CEA.

8. Monthly Progress Report of the project shall be submitted to Hydro-Project Monitoring (HPM) Division of CEA. Three (3) copies of the half-yearly reports on both physical progress of the scheme and expenditure actually incurred, duly certified by statutory auditors shall be submitted to the Authority till the Commercial Operation Date of the plant. The project authorities shall give free accessibility to CEA officers and staff to have on the spot assessment of various aspects of the project.

9. Monthly status of the project from the date of Concurrence to Financial closure shall be furnished to Secretary, CEA as per the proforma enclosed at Annex-IX.

10. In case the time gap between the Concurrence to the scheme by CEA and the actual start of main works by M/s HPPCL is three years or more, a fresh Concurrence of CEA is required to be obtained by M/s HPPCL before the start of actual work.

A. K. Jha

Revalidation of concurrence can also be considered, in case the reason for not starting the work is beyond the control of developer. However, proposal of revalidation shall be submitted three months before the expiry of validity of concurrence which is 3 years from the date of issue of the O.M.

11. The Authority reserves the right to revoke this concurrence, if the conditions stipulated in this Office Memorandum are not complied with to the satisfaction of the Authority.

Encls: *Annexes I, IA, IB, II, III, IV, V, VI, VII, VIII & IX.*

For-20/2/2017
सचिव
14/02/2017

1. Managing Director, Himachal Pradesh Power Corporation Limited, Hufed Bhawan, Panna (Below Old MLA Quarters), Shimla, Himachal Pradesh -171 005.

2. Secretary, Ministry of Power, Govt. of India, Shram Shakti Bhawan, Rafi Marg, New Delhi -110 119.

3. Secretary, Ministry of Environment & Forests, Government of India, Paryavaran Bhawan, GGO Complex, Lodhi Road, New Delhi -110 003.

4. Chairman, Central Electricity Regulatory Commission, 3rd & 4th Floor, Chandrablok Building 36, Janpath, New Delhi-110 001.

5. Chairman, Central Water Commission, Sewa Bhawan, R.K. Puram, New Delhi -110 006.

6. Chairperson, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi.

7. Chairman, HP Electricity Regulatory Commission, Keonthal Commercial Complex KHAMINI, Shimla.- 171 002.

8. Chairman-cum-Managing Director, Power Grid Corporation of India Limited, Sakdamin, Plot No.2 Sector 29, Gurgaon -122 001 (Haryana).

9. Chairperson HP Power Transmission Corpn. Ltd. Barowalia House, Khamini, Shimla 171 002.

10. Secretary (Department of Power), Government of Himachal Pradesh, Secretariat, Shimla Himachal Pradesh -171 002.

11. Adviser (Energy), Planning Commission, Vigjana Bhawan, New Delhi -110 001

12. Member (D&R), Central Water Commission, Sewa Bhawan, R. K. Puram, New Delhi 110 006.

For-20/2/2017

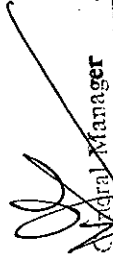
13. Member (WP&P), Central Water Commission, Sewa Bhawan, R.K. Puram, New Delhi-110606.
14. Member (Hydro / Planning / Thermal / Grid Operation & Distribution / Commercial / Power System), CEA, Sewa Bhawan, R.K. Puram, New Delhi-110606.
15. Joint Secretary (Hydro), Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi-110119.
16. Chief Engineer (HPA/SP&PA/F&CA/TC/D/Legal/PPM/IRP/HP&I/HP&ID/ID&ID), CEA, Sewa Bhawan, R.K. Puram, New Delhi-110606.
17. Chief Engineer (PAO), CWC, Sewa Bhawan (S), R.K. Puram, New Delhi-110606.
18. Director (JHM&ELE Division), Geological Survey of India, A-II, Pushpa Bhawan, Madangir Road, New Delhi-110062.

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**Shongtong Karcham Hydro Electric Project (3x150=450 MW) – Himachal Pradesh, by
M/s Himachal Pradesh Power Corporation Limited (HPPCL)**

Estimated Cost at July, 2011 Price Level

S.No.	Description	Total (Rs. Crs.)
1.	Civil works	1720.16
2.	Electro-Mechanical Works	621.93
3.	Total Hard Cost	2342.09
4.	IDC	465.74
	Total Cost	2807.83


Dy. General Manager
Shongtong Karcham HEP,
HPPCL, Reckong Poo,
Distt. Kinnaur (H. P.) 172107


17/07/11

Government of Himachal Pradesh
Office of Deputy Commissioner Kinnaur.

No. 2014

Dated:- 30-01-19

TO WHOSOEVER IT MAY CONCERN

In compliance of the Ministry of Environment and Forest (MoEF) Government of India's letter No. 11-9/98-FC(pt)dated 3rd August, 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (FRA for short) on the forest land proposed to be diverted for non-forest purposes read with MoEF's letter dated 5th February, 2013 wherein MoEF issued certain relaxation in respect of linear projects, it is certified that 7-37-22 Hect. of forest land proposed to be diverted in favor of HP Power corporation ltd. for the construction of Shongthong Karchham HEP 450 MW Village Rang, Usaring, Tangling and Powari Tehsil Kalpa in Kinnaur District which falls within jurisdiction of Shudarang, Barang and Powari Village in Kalpa Tehsil.

It is further certified that;

- a) The complete process for identification and settlement of rights under the FRA has been carried out for the entire 7-37-22 hect. of forest area proposed for diversion. A copy of records of all consultations and meeting of the Forest Rights Committee(s) Gram Sabha (s) Sub-Division Level Committee(s) and the District Level Committee are enclosed as annexure-A.
- b) The diversion of forest land for facilities managed by the Government as required under section 3(2) of the FRA have been completed and the Gram Sabhas have given their consent to it;
- c) The proposal does not involve recognized rights of Primitive Tribal Groups and Pre-agricultural communities.

Encls: As Above


Deputy Commissioner-cum-Chairman
District Level FRA Committee,
Kinnaur District, Reckong Peo

**OFFICE OF THE SUB-DIVISIONAL OFFICER (CIVIL), KALPA
AT RECKONG PEO, DISTRICT KINNAUR (HP)**

Attendance of the meeting of the Sub Division level Committee constituted under Schedule Tribes & Other Traditional Forest Dwellers (Recognition of Forest Right Act, FRA)-2006

A meeting of the Sub-Division Level Committee of Kalpa Sub-Division, constituted under FRA-2006 was held under the chairmanship of Dr. (Maj.) Avaminder Kumar HAS SDO (Civil) Kalpa at Reckong Peo on 26.11.2019 at 11:30 AM.

Following official/non-officials member were present in the said meeting.

Sr.No	Name of member & Designation	V&PO/Office	Signature and phone No.
1.	Narpat Chander N.T.C	of O & P O Kalpa	<i>[Signature]</i> 9805098035
2.	Chandra Jishi	D.L.C member	<i>[Signature]</i> 985606881
3.	Mohan Singh Negi	B.O Kalpa	<i>[Signature]</i> 981866503
4.	Bharat Singh	POC member	<i>[Signature]</i> 9816420733
5.	Palas Ram Sharma	RFO Kalpa	<i>[Signature]</i> 9818343874
6.	Rashmi Singh	V.P.O Kalpa	<i>[Signature]</i> 9805720695
7.	Teenu (Statistical Assistant)	PO, ITOP	<i>[Signature]</i> 9805743144

OFFICE OF THE DEPUTY COMMISSIONER
DISTRICT KINNAUR AT RECKONG PEO, H.P.

Proceedings of the meeting of the Distt. Level committee constituted under schedule Tribes & other Traditional Forest Dwellers (Recognition of Forest Right Act, FRA) - 2006

A meeting of the Distt. Level Committee (DLC) of Distt. Kinnaur constituted under FRA-2006 was held under the chairmanship of Sh. Gopal Chand IAS Deputy Commissioner Kinnaur at Reckong Peo on 28.11.2019 at 11.00AM. Non-Official members namely Sh. Daulat Ram, Yashveer Singh Negi and Kewal Ram were not present despite proper intimation. However official member were present in the meeting and three cases of forest land diversion duly recommended by sub-Divisional committee was discussed and detailed deliberation was held for issuing certificates.

The first claim regarding diversion of forest land identified in Mohal Rang, FRC Shudarang Area 1-44-70 Hect. Muhal Usaring FRC Barang Area 0-29-60 hect. Mohal Tangling FRC Powari Area 4-92-96 Hect. Muhal Powari FRC Powari Area 0-69-96 Hect. total area measuring 7-37-22 Hect. situated at Teshil Kalpa regarding disposal of application claiming right in additional forest land required by Himachal Pradesh. Power Corporation Ltd. for construction of Shongthong Karichham HEP 450 MW was discussed.

The second claim pertaining to land identified in mohal DPF-C 234 Kashang-I FRC Pangri total area measuring 0-93-48 Hect. situated at Gram Panchayat Pangri Tehsil Kalpa for the construction of Integrated Kashang HEP Stag-II & III by Himachal Pradesh Power corporation Ltd. was also discussed.

Third claim pertaining to the land identified in Up-Mohal Labrang area measuring 03-14-89 Hect., Centre Government Land (BRO) area measuring 00-07-86 Hect. and Private Land area measuring 00-48-22 Hect. total area measuring 03-65-97 Hect. situated at Gram Panchayat Pooch, Tehsil Pooch for construction of 66 KV transmission line from existing tower No.109 near 22 KV control point to 66/22 KV Pooch by Himachal Pradesh State Electricity Board Ltd. was also discussed.

[Signature]
Deputy Commissioner
District Kinnaur
Reckong Peo, H.P.

District Level Forest Right Committee unanimously recommended the diversion of forest land identified in Mohal Rang, FRC Shudarang Area 1-44-70 Hect. Muhal Using FRC Barang Area 0-29-60 hect. Mohal Tanling FRC Powari Area 4-92-96 Hect. Muhal Powari FRC Powari Area 0-69-96 Hect. total area measuring 7-37-22 Hect. situated at Teshil Kalpa in favour of Himachal Pradesh Power Corporation Ltd. and also recommended the diversion of forest land identified in mohal DPF-C 234 Kashang-I FRC Pangi total area measuring 0-93-48 Hect. situated at Gram Panchayat Pangi Tehsil Kalpa in favour of Himachal Pradesh Power Corporation Ltd. Unanimous recommendation regarding diversion of forest land identified in Up-Mohal Labrang area measuring 03-14-89 Hect., Centre Government Land (BKO) area measuring 00-07-86 Hect. and Private Land area measuring 00-43-22 Hect. total area measuring 03-65-97 Hect. situated at Gram Panchayat Pooh, Tehsil Pooh, in favour of Himachal Pradesh State Electricity Board Ltd. was also given by District Level Forest Right Committee.

Name of Applicant:

1. The General Manager,
Shongthong-Karchham HEP (450 MW)
Reckong Peo.
2. The Dy General Manager,
Integrated Kashnag HEP Stage II& III
(243 MW) HP Power Corporation Ltd.
3. Sr. Executive Engineer,
HP Electricity Transmission Division,
Reckong Peo at B/Nagar.

Member of District Level Committee:

1. The Divisional Forest Officer,
Kinnaur at Reckong Peo
2. Project Officer,
ITDP Kinnaur at R-Peo

Deputy Commissioner,
District Kinnaur
Reckong Peo

No. WLM/NOC _____
H.P. Forest Department

Dated Sarahan, the

From: - DCF WL Sarahan

To: - CCF WL (S) Shimla

Subject: -

Diversion of 7.3722 ha. of Addl. Forest land in favour of Himachal Pradesh Power Corporation Ltd. for the construction of Shongtong-Karchham 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 within the jurisdiction of Kinnaur Forest Division Distt. Kinnaur, HP.

Memo: -

In this regard, it is submitted that as requested by the user agency vide their letter No. HPPCL/SM (R&R)- SKHEP/Env-VI/2019 dated 26.02.2021 (Copy enclosed as Annexure-I) a joint inspection of the proposed project site within the boundaries of proposed ESZ of Lippa-Asrang WLS & sanctuary area was conducted by the field staff of Sangla WL Range and project representative on 20.05.2021

2. As per the joint inspection report the Co-ordinates of the weir site of the above project & aerial distance with reference to the boundaries of WLS and ESZ of Lippa-Asrang Wildlife Sanctuaries were recorded. The aerial distance shows that the project site falls outside the boundary of the Lippa-Asrang Wildlife Sanctuary and its proposed eco sensitive zone.

S. No.	Particulars	Lat/Long	Aerial Distance (in kms)	Remarks
1	Start of Trench Wear	N=31°02'54" E=078°30'19"	-	-
2	Aerial distance of Trench Wear from Lippa-Asrang WLS.	N=31°40'32.796" E=078°18'4.795"	13.41 Km	Enclosed as Annexure-II
3	Aerial distance of trench wear from proposed ESZ of Lippa-Asrang WLS.	N=31°44'20.237" E=078°17'16.060"	12.98 Km	Enclosed as Annexure-III

3. In addition to above, as per User Agency there is no requirement of animal passage plan for the construction of above mentioned project. as Project components of above mentioned SHEP are very far away from Sanctuary area and proposed ESZ of Lippa Asrang WLS, and as such it will not affect movement of wildlife of the Sanctuary area. Also, construction of the above project will not adversely impact the Wildlife of the Sanctuary area.

This is for favour of information and further necessary action please.

Encl: As above.

Dy. Conservator of Forests,
Wildlife Division, Sarahan.

CCF
PFA
PFA
PFA
PFA
5/11/21
5/11/21

Endst. No. WLM/NOC 660 Dated Sarahan, the 28/02/2021

Copy is forwarded to Sr. Manager (R&R), ShongtongKarchham HEP,
HPPCL, Reckong Peo Distt. Kinnaur, H.P. for information please.


Dy. Conservator of Forests,
Wildlife Division Sarahan.