

Project Title: Diversion of 1.1163 ha of forest land in favour of M/s Prashanti Hydro Energies Private Ltd. for construction of 500 KW Lingti Small Hydro Project within the jurisdiction of Palampur Forest Division, Distt. Kangra, H.P.

Online proposal no. FP/HP/HYD/12958/2015.

Date of submission: 30.05.2015.

### **Justification for CIA & CCS Study**

The Cumulative Impact Assessment and Carrying Capacity Study (CIA & CCS) for the Beas River Basin has been completed and the Final Report outlines the overall hydropower scenario in the basin.

- The total identified hydropower potential of Himachal Pradesh is 27,436 MW, of which 4,099.60 MW is attributed to the Beas Basin (Source: Directorate of Energy, GoHP, 2017).
- The Beas Basin alone supports 51 hydropower projects (>5 MW) with a total installed capacity of 4877.70 MW, distributed as follows:
  - 22 projects commissioned (2,820.90 MW),
  - 5 projects under construction (947 MW),
  - 20 projects under various stages of investigation (1,028.90 MW),
  - 4 projects yet to be allotted.

Approximately 77.25% of the hydropower potential in the Beas Basin has already been developed or is under construction. The CIA & CCS report recommends cautious and judicious development of remaining potential with due emphasis on ecological sensitivity, biodiversity, environmental flows, and cumulative effects.

The proposed Lingti SHEP (500 kw) is a run-of-river project and falls under the <5 MW category, hence not individually listed in the main project tables (>5 MW) of the Beas Basin study. However:

- As per current status from Directorate of Energy (DoE), Himachal Pradesh, no other SHEPs (>5 MW) have been allotted, constructed, or are under active investigation in the same Nallah where Lingti SHEP is proposed.
- There are no overlapping or cumulative pressures from multiple projects on this stream, and the ecological footprint is minimal.
- The proposal is consistent with the recommendations of the River Basin Study, which allows for micro-scale development where ecological impacts are negligible and river integrity is preserved.

The Lingti SHEP complies with the key directives of the CIA & CCS Report, namely:

- Environmental sustainability through a small footprint,
- Low-impact run-of-river design,
- Non-interference with larger hydrological regimes,
- Absence of conflict with other allotted or under-survey projects.

In view of the above, we respectfully request to kindly consider the submitted information and recommend the project for Stage-I Forest Clearance, as the proposed Lingti SHEP:

- Falls within the permissible and ecologically sustainable framework of the CIA & CCS recommendations,
- Has no conflict or cumulative burden with other projects in the same Nallah,
- Adheres to the policy of promoting decentralized, clean, and renewable power development in the Himalayan region.

**Details of Hydropower Projects in Beas Basin**

<b>S. No.</b>	<b>Name of Project</b>	<b>Capacity (MW)</b>	<b>Developer</b>	<b>Status</b>	<b>Year of Commissioning</b>
1	Beas Satluj Link	990	Bhakra Beas Management Board	Commissioned	1977
2	Parbati-III HEP	520	NHPC Limited	Commissioned	2014
3	Pong Dam	396	Bhakra Beas Management Board	Commissioned	1978-83
4	Allain Duhangan HEP	192	AD Hydro Power Ltd.	Commissioned	2010
5	Larji HEP	126	Himachal Pradesh State Electricity Board	Commissioned	2006
6	Uhl-I (Shanan) HEP	110	Punjab State Power Corporation Limited	Commissioned	1923
7	Malana-II HEP	100	Everest Power Pvt. Ltd.	Commissioned	2012
8	Sainj HEP	100	HPPCL	Commissioned	2017
9	Malana-I HEP	86	Malana Power Company Ltd.	Commissioned	2001
10	Uhl-II (Bassi) HEP	66	Himachal Pradesh State Electricity Board	Commissioned	1970-81
11	Baragaon SHEP	24	Kanchanjunga Hydro Power Ltd.	Commissioned	2015
12	Patikari SHEP	16	Patikari Hydro Electric Project Ltd.	Commissioned	2008
13	Neogal SHEP	15	Om Hydropower Ltd.	Commissioned	2013
14	Baner SHEP	12	Himachal Pradesh State Electricity Board	Commissioned	1996

15	Khauli SHEP	12	Himachal Pradesh State Electricity Board	Commissioned	2007
16	Gaj SHEP	10.5	Himachal Pradesh State Electricity Board	Commissioned	1996
17	Toss SHEP	10	Toss Mini Hydel Power Project	Commissioned	2008
18	Beas Kund SHEP	9	Kapil Mohan and Associates	Commissioned	2012
19	Binwa SHEP	6	Himachal Pradesh State Electricity Board	Commissioned	1984
20	Baner-II SHEP	6	Podigy Hydro Power Pvt. Ltd.	Commissioned	2015
21	Sarbari-II SHEP	5.4	DSL Hydrowatt Ltd.	Commissioned	2010
22	Balargha SHEP	9	Sandhya Hydro Power Projects Balargha	Commissioned	2018
23	Parbati-II HEP	800	NHPC Limited	Under Construction	
24	Uhl III HEP	100	Himachal Pradesh State Electricity Board	Under Construction	
25	Lambadug HEP	25	KU Hydro Power Pvt. Ltd.	Under Construction	
26	Lower Uhl SHEP	13	Trident Power Systems Ltd.	Under Construction	
27	Fozal SHEP	9	Fozal Power Pvt. Ltd.	Under Construction	
28	Nakhtan HEP	460	HPPCL	Under S&I	
29	Thana Plaun HEP	191	HPPCL	Under S&I	
30	Triveni Mahadev HEP	96	HPPCL	Under S&I	
31	Dhaulasidh HEP	66	Satluj Jal Vidyut Nigam Ltd.	Under S&I	
32	Malana-III HEP	30	BMD Pvt. Ltd.	Under S&I	
33	Raison SHEP	18	Himachal Pradesh State Electricity Board	Under S&I	
34	Uhl SHEP	14	Puri Oil Mills Ltd.	Under S&I	
35	Uhl Khad SHEP	14	Kharnal Hydro Electric Project Pvt. Ltd.	Under S&I	
36	Parbati SHEP	12	Manimahesh Power Private Ltd.	Under S&I	
37	Jari SHEP	12	WIL Power Projects Ltd.	Under S&I	
38	Jobrie SHEP	12	Green Infra Limited	Under S&I	
39	Sharni SHEP	9.6	Sharni Hydro Power Pvt. Ltd.	Under S&I	

40	Sarsadi SHEP	9.6	Himshakti Power Pvt. Ltd.	Under S&I	
41	Hurla-I SHEP	9.4	Hurla Valley Power Pvt. Ltd.	Under S&I	
42	Sarsadi-II SHEP	9	Aroma Colonisers Pvt. Ltd.	Under S&I	
43	Palchan Bhang SHEP	9	Palchan Bhang Power Pvt. Ltd.	Under S&I	
44	Bhang SHEP	9	Bhang Hydel Power L.L.P.	Under S&I	
45	Kilhi Bahl SHEP	7.5	Puri Oil Mills Ltd.	Under S&I	
46	Makori	20.80	Sai Engineering Foundation	Under S&I	
47	Bhujling	20.00	Sai Engineering Foundation	Under S&I	
48	Kanda Pattan	40.00		Yet to be allotted	
49	Manalsu	21.90		Yet to be allotted	
50	Seri Rawla	13.00		Yet to be allotted	
51	Khauli II	6.00		Yet to be allotted	
<b>Total</b>		<b>4877.70</b>			

Date: 18.03.2026

Place: Palampur

Parshanti Hydro Energies Private Limited

  
Authorised Signatory