

**No.J-12011/6/2004-IA-I**  
**Government of India**  
**Ministry of Environment & Forests**

**Paryavaran Bhawan,**  
**C.G.O. Complex, Lodi Road,**  
**New Delhi-110003**

Dated 10<sup>th</sup> March, 2005.

The Chairman & Managing Director,  
National Hydroelectric Power Corporation Ltd.,  
NHPC Office Complex,  
Sector-33,  
FARIDABAD – 121003  
HARYANA

**Sub: Chamera Hydroelectric Project Stage-III (231 MW) in District Chamba , Himachal Pradesh – Environmental Clearance-regarding.**

Sir,

This has reference to your letter No.NH/PD/Env.110/2578 dated 16.09.2004, 07.12.04 & 27.01.05 on the above subject.

2. The above referred proposal was considered by the Expert Committee for River Valley & Hydroelectric projects at its meeting held on 25.10.2004 & reconsidered on 10.01.2005. The Chamera Hydroelectric Project Stage-III (231 MW) is located on the Ravi river about 250 m downstream of the confluence of Tunda Nala with Ravi river in Bahrmour tehsil of Chamba district, Himachal Pradesh. The dam is located near village Kharamukh, about 46 km upstream of Chamba town. Total land requirement for the project is 97.782 hectare, out of this 96.145 ha. is forest land. Forest clearance has been issued on 08.06.2004. There are no archaeological sites/ monuments in the project area. Total of 157 families will be affected due to this project in three villages of Churi, Moukhari and Sulakhar. The capital cost of the project Rs. 1364.01 Crores.

3. The Environmental Management Plan submitted by NHPC has been examined. The Ministry of Environment and Forests hereby accords environmental clearance as per the provisions of

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Environmental Impact Assessment Notification, 1994, subject to strict compliance of the terms and conditions as follows:

**Part A: Specific Conditions**

(i) Catchment Area Treatment Plan as has been proposed should be completed in five years. The plan is reproduced below:

Sl. No.	Item of Work	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
<b>A. Biological Measures (Area in ha)</b>							
i)	Afforestation	460	460	460	460	460	1840
ii)	Assisted natural regeneration	50	50	50	50	50	250
iii)	Replenishment afforestation	26	26	26	26	26	130
iv)	Subsidiary silviculture	40	40	40	40	40	200
v)	NTFP/ Medicinal plants	14	14	14	14	14	70
vi)	Pasture development	118	118	118	118	118	590
<b>B. Engineering Measures</b>							
i)	Brushwood checkdams, Dry rubble stone Masonry checkdams, Cratewire checkdams, Diversion drains / catchwater drains in various Nallahs viz. Charola Nallah and Juzada Nallah, Thanala Nallah, Lambapad Nallah, Bari Nallah, Kalicha Nallah, Gai Nallah, etc. as proposed.						

(ii) NHPC should submit the information regarding adequacy of spillway capacity of Chamera-I Dam in case of extreme eventuality of floods from upstream projects to Central Water Commission and any suggestions made by CWC will be taken care of by NHPC.

(iii) 157 families of the three villages of Churi, Moukhari and Sulakhar will be affected. The affected families should be rehabilitated as per R & R plan proposed & submitted.

**Part-B: General Conditions**

(i) Adequate free fuel arrangement should be made for the labour force engaged in the construction work at project cost so that indiscriminate felling of trees is prevented.

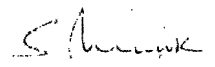
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- (ii) Fuel depot may be opened at the site to provide the fuel (kerosene/wood/LPG). Medical facilities as well as recreational facilities should also be provided to the labourers.
  - (iii) All the labourers to be engaged for construction works should be thoroughly examined by health personnel and adequately treated before issuing them work permit.
  - (iv) Restoration of construction area including dumping site of excavated materials should be ensured by leveling, filling up of burrow pits, landscaping etc. The area should be properly treated with suitable plantation.
  - (v) Financial provision should be made in the total budget of the project for implementation of the above suggested safeguard measures.
  - vi) A Monitoring Committee for R & R should be constituted which must include representatives of project-affected persons from a woman beneficiary.
  - vii) A Multidisciplinary committee should be constituted with representatives from various disciplines of forestry, ecology, wildlife, soil conservation, NGO etc. to oversee the effective implementation of the suggested safeguard measures.
  - viii) Six monthly monitoring reports should be submitted to the Ministry and its Regional Office, Chandigarh for review.
4. Officials from Regional Office MOEF, Chandigarh who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection.
  5. The responsibility of implementation of environmental safeguards rests fully with the NHPC & Government of Himachal Pradesh.
  6. In case of change in the scope of the project, project would require a fresh appraisal.
  7. 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.
  8. This clearance letter is valid for a period of five years from the date of issue of this letter for commencement of construction work.
  9. A copy of the clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom any suggestion/ representation has been received while processing the proposal.

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10 State Pollution Control Board / Committee should display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's office/ Tehsildar's office for 30 days.

11. 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](http://www.envfor.nic.in)

  
(Dr. S. Bhowmik)  
Additional Director

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti, Bhawan, Rafi Marg, New Delhi-110001.
2. Principal Secretary, Power Development Department, Government of Himachal Pradesh, Shimla -171002.
3. The Principal Secretary (Environment & Forests), Government of Himachal Pradesh, Shimla - 171002.
4. The Secretary, Ministry of Water Resources, Shram Shakti Bhawan, Rafi Marg, New Delhi-110001.
5. The Adviser (Power), Planning Commission, Yojna Bhawan, New Delhi - 110001.
6. The Chief Engineer, Project Appraisal Directorate, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
7. The Regional Office, Ministry of Environment & Forests, Chandigarh.
8. Member Secretary, H. P. State Pollution Control Board Paryavaran Bhawan, Phase III, Shimla - 171009.
9. EI- Division, Ministry of Environment & Forests, New Delhi-110003.
10. Guard file.

(Dr. S. Bhowmik)  
Additional Director