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भारत सरकार

पर्यावरण एवं वन मंत्रालय

GOVERNMENT OF INDIA

MINISTRY OF ENVIRONMENT & FORESTS

पर्यावरण भवन, सी. जी. ओ. कॉम्प्लेक्स

PARYAVARAN BHAVAN, C.G.O. COMPLEX

लोधी रोड, नई दिल्ली-110003

LODHI ROAD, NEW DELHI-110003

No. J-120.11/29/2007-IA.1

Dated- 22 08 2007

Chairman cum Managing Director
Tehri Hydro Development Corporation Ltd.
Ganga Bhawan, Pragatipuram
Bypass Road,
Rishikesh-249201.

Sub Vishnugad - Pipalkoti HEP (4 x 111) MW in Uttarakhand -
Environment clearance regarding.

Sir,

This has reference to your letter No.THDC/RKSH/CP/ENV-EC/2007
dated 23.3.2007 and subsequent letter dated 29.5.2007 on the above
mentioned subject

The above referred proposal was considered by the Expert
Committee for River Valley & Hydroelectric projects at its meeting held on
18.04.2007 & reconsidered on 18.7.2007. This is a run of the river scheme
involving construction of a 65 m high diversion dam across river Alaknanda
near village Helong in district Chamoli. The project utilizes the drop in water
level between out fall of Tapovan - Visnugad project and Birahi Alaknanda
confluence. The power house is underground, to be located near village Hat
about 3 km from Pipalkoti.

Total land requirement is 120 ha. Out of which 40 ha. is agricultural
land and 80 ha. is Government land. 346 project affected families are likely to
lose their agricultural land.

3. The Environmental Management Plan submitted by THDC Ltd. has been examined. The Ministry of Environment and Forests hereby accords environmental clearance as per the provisions of Environmental Impact Assessment Notification, 1994 and 2006, subject to strict compliance of the terms and conditions as follows:

Part A: Specific Conditions

(i) ~~62002 hectare degraded catchment area of high & very high category to be treated. Catchment Area Treatment Plan as has been proposed should be completed in three years. The plan is given below :~~

Treatment Measures	Year-I	Year-II	Year-III	Total
(I) Biological Treatment				
Social Forestry	20 ha	20 ha	20 ha	60 ha
Fuel wood and fodder grass	20 ha	20 ha	20 ha	60 ha
Nursery development	3 No.	2 No		5 No.
Gap Plantation (800 trees /ha.)	124 ha	120 ha	120 ha	364 ha
Pasture development	100 ha	100 ha	80 ha	280 ha
(II) Engineering Treatment				23.55 ha
Contour bunding	15ha			
Step drain	200 m	200 m	100 m	500 m
Check dams	10 No.	10 No		20

- (ii) 346 project affected families are likely to loose their agricultural land. All the PAFs would be compensated as per the rates that would be assessed and decided by the district authorities. Over and above these compensation, the PAFs will be given "land for land" or "Vocation/Job" or "financial assistance" in addition to various rehabilitation benefits as per the NPRR -2003.
- (iii) A Monitoring Committee for R & R should be constituted which must include representatives of project-affected persons from SC / ST category and a woman beneficiary.
- (iv) All the equipment which are likely to generate high noise levels are to be fully mollified (noise reduction measures) in view of the proximity of the project to Nanda Devi Biosphere Reserve

- (v) 3 cu m minimum water flow should be released down stream during lean season.
- (vi) Consolidation and compilation of the muck should be carried-out in the muck dump sites and the dump sites should be above high flood level.
- (vii) The project area is situated in close proximity to Nanda Devi Bio-sphere Reserve, ~~the possibility of the endemic flora can not be ruled out completely.~~ Hence suggested the plantation of those species which come under Rare, Endangered and threatened (RET) category, if any, should be planted during the implementation of CAT and Compensatory Afforestation works.
- (viii) Commitment made during public hearing should be fulfilled.

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.
 - (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 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.
 - (vii) Six monthly monitoring reports should be submitted to the Ministry and its Regional Office, Luknow for review.
4. Officials from Regional Office MOEF, Lucknow 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 T H D C Ltd. & Government of Uttarakhand.

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 ten years from the date of issue of this letter.

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.


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-1
2. The Adviser (Power), Planning Commission, Yojna Bhawan, New Delhi - 110001.
3. Principal Secretary (Irrigation & Power), Government of Uttarakhand, Dehradun - 248006.
4. The Chief Engineer, Project Appraisal Directorate, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
5. The Regional Office, Ministry of Environment & Forests, Lucknow.
6. Member Secretary, Uttarakhand Environment Protection & Pollution Control Board, Paryavaran Bhawan, E-115, Nehru Colony, Dehradun
7. EI- Division, Ministry of Environment & Forests, New Delhi-110003.
8. Guard file.


(Dr. S. Bhowmik)
Additional Director

Kind attention Sh. R. D. Bhatt Manager

M. S.
7/12/08

(7)

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पर्यावरण भवन, सी. जी. ओ. कॉम्प्लेक्स
PARYAVARAN BHAVAN, C.G.O. COMPLEX
लोदी रोड, नई दिल्ली-110003
LODHI ROAD, NEW DELHI-110003

No. J-12011/29/2007-IA.1

Dated : 19.2.2008

To

The General manager (S & E)
Tehri Hydro Development Corporation Ltd
Alaknanda Bhavan
Rishikesh - 249 201

Subject: Vishnugad-Pipalkoti HEP (4 x 111 MW) in Uttarakhand-
Environmental Clearance - regarding.

Sir,

This has reference to your letter no. THDC/RKSH/S&E/GM/58 dated 9.10.2007. A corrigendum has been issued on 18.1.2008 regarding correction in the catchment area which is enclosed for your perusal and reference please.

Yours faithfully

PVS Rao

(Dr. P. V. Subba Rao)
Research Officer

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LODHI ROAD, NEW DELHI-110003

No. J-12011/29/2007-IA.1

Dated : 18.01.2008

CORRIGENDUM

**Subject: Vishnugad-Pipalkoti HEP (4 x 111 MW) in Uttarakhand-
Environmental Clearance – regarding.**

Attention is invited to this Ministry's sanction letter of even number dated 22.8.2007, the following corrections in the environmental clearance in para-3 (i); line-1 under reference may be incorporated:

For : "62002 hectare degraded catchment area of high & very high category to be treated"

Read: "6202 hectare degraded catchment area of high & very high category to be treated"

2. All other items remain unchanged.


Yours faithfully,



(Dr. S. Bhowmik)
Additional Director

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi-1
2. The Adviser (Power), Planning Commission, Yojna Bhawan, New Delhi -1
3. Principal Secretary (Irrigation & Power), Government of Uttarakhand, Dehradun-248006
4. The Secretary, Department of Environment, Government of Uttarakhand, Dehradun-248006
5. The Chief Engineer, Project Appraisal Directorate, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
6. The Regional Office, Ministry of Environment & Forests, Lucknow
7. Member Secretary, Uttarakhand Environment Protection & Pollution Control Board, Paryavaran Bhawan; E-115, Nehru Colony, Dehradun
8. EI- Division, Ministry of Environment & Forests, New Delhi-110003.
9. Guard file.
10. Chairman-cum-Managing Director, THDCL, Ganga Bhawan, Pragatipuram, Bypass Road, Rishikesh - 249 201.


(Dr. S. Bhowmik)
Additional Director