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No. J-12011/7/2004-1A-1
Government of India
Ministry of Environment & Forests

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

Dated 16th April, 2005.

The Chairman & Managing Director
National Hydroelectric Power Corporation Ltd.
Sector - 33
Faridabad - 121003
Haryana.

**Subject:- Parbati Hydroelectric Project , Stage-III (520 MW) in Himachal Pradesh -
Environmental clearance regarding.**

Sir,

This has reference to your letter No. NH/PD/Env.79/719 dated 12.03.2003 and subsequent letter dated 09.08.2004, 28.02.2005 & 16.03.2005 on the subject.

2. The above referred proposal was considered by the Expert Committee for River Valley & Hydroelectric projects at its meeting held on 28.04.2004 & reconsidered on 16.03.2005. The Parbati Hydroelectric Project Stage-III (520 MW) is a run of the river scheme on river Sainj in Kullu district of Himachal Pradesh. It envisages construction of a 43m high rockfill dam near Suind, about 800 m downstream of its confluence with Jiwa nallah. Total land requirement for the project is 140.0822 hectare, out of that 91.2423 ha. is forest land. Forest clearance has been issued on 13.09.2004. There are no archaeological sites/ monuments in the project area. Total 1213 persons from 320 families will be affected due to this project. Public Hearing was held on 22.01.2005. The capital cost of the project Rs. 2265.49 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 Environmental Impact Assessment Notification, 1994, subject to strict compliance of the terms and conditions as follows:

Continued....

Part A: Specific Conditions

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

Item of Work	1 st Year (ha.)	2 nd Year (ha.)	3 rd Year (ha.)	4 th Year (ha.)	5 th Year (ha.)	Total (ha.)
A. Engineering Measures						
1. Gully control						
a) Model I	87	87	87	87	87	435
b) Model II	134	134	134	134	134	670
c) Model III	52	52	52	52	52	260
2. Stream bank protection						
a) Wire crates	53	53	53	53	53	265
b) Vegetative spurs	93	93	93	93	93	465
3. Bench terracing	40	40	40	40	40	200
4. Contour stagger trenching	130	130	130	130	130	650
5. Landslide control						
a) Catch water drains	110	110	110	110	110	550
b) Retaining walls /check dams	3	3	3	3	3	15
B. Biological Measures						
1. Restoration of degraded forest areas						
a) Nursery development	87	0	0	0	0	87
b) Maintenance of nurseries	9	9	9	9	9	45
c) Advance works	888	888	888	888	888	4440
d) Final plantations						
i) Afforestation	458	458	458	458	458	2290
ii) Timber plantations	143	143	143	143	143	715
iii) Fodder plantations	149	149	149	149	149	745
iv) Horticulture plantations	137	137	137	137	137	685

- ii) The implementation of fishery development plan should be carried out in consultation with the State Fisheries Department and submitted to MOEF within three months from date of issue of this letter.
- iii) Detailed R & R Plan should be prepared and submitted to MOEF within three months from the date of issue of this letter.

- iv) A Management plan for medicinal plants in the catchment area and specifically for those affected by the submergence should be prepared and submitted to MOEF within three months from date of issue of this letter.
- v) During the lean season 1.15 cumecs water should be released downstream of the dam

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 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 shall be marked to concerned Panchayat , 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-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. Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office (NEZ), Bays No. 24-25, Sector 31-A, Dakshim Marg, Chandigarh -160022.
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