

तार :
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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
लोदी रोड, नई दिल्ली-110003
LODHI ROAD, NEW DELHI-110003

F.No.J-12011/34/2001-IA-I

To

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

Subject:- ~~Parbati Hydroelectric Project Stage II (45200 MW)~~ in Himachal Pradesh-
Environmental clearance regarding.

Sir,

This has reference to your letter No. NH/PD/Env.75/1979 dated 17.11.2000 and subsequent letter dated 28.3.2001 on the subject.

2. The Ministry of Environment and Forests has carefully considered your application. It has been noted that the proposal involves construction of a 91m high diversion dam(concrete) on the Parbati river at Pulga about 49 km upstream of its confluence with Beas river. A 31.23 Km. long concrete lined headrace tunnel on the left bank of the river conveys the water to a surface power house located on the right bank of Sainj river which is a tributary of Beas river. The water from the power house is discharged into the river through a 60m long tailrace channel. No population will be displaced due to this project. Forest clearance has been issued on 11.8.999 for dereservation of 87.795 ha. forest land.

3. The Ministry of Environment and Forests hereby accords environmental clearance as per the provisions of Environmental Impact Assessment notification, 1994 subject to the strict compliance of the terms and conditions mentioned below -

Specific Conditions – A

- i) Upstream of Pulga dam site on the right bank, a stretch of conglomerate consisting of heterogeneous material exists. It is desirable that a facial treatment of the upstream site is given in this stretch. Provision of Phase treatment in this zone should be made so that stability of the slope is not disturbed. The project authorities have included such measures in that DPR. These should be adopted in toto.
- ii) A total network of 80.75 kms. roads is to be constructed in dam complex, Sheelagarh complex, Power house complex. Care should be taken in the construction of roads in general and in Sheelagarh and Jiwa nalah area in particular, as these area are in the forest.
- iii) A socio-economic upliftment plan has been suggested in the EIA report for the people of Parbati and adjacent valleys. This plan should be followed.
- iv) The natural ecosystems between Sheelagarh and Pancha Nal and Sheelagarh and Manihar Nal are critical areas of concern. The proposed road activities and trench weirs at both these sites are bound to degrade and disturb these natural ecosystems. To minimize damage to these ecosystems, measures proposed in the Environmental Management Plan (page-19-20) should be followed.
- v) Noise level during construction should be kept to the minimum and no activity should be carried out at night as the project site is in the close vicinity of natural animal/bird habitats, such as Sheelagarh, Hurla and Manihar Nals where dense forest cover exists.
- vi) No permanent human settlements should be allowed to come up beyond Kalga village in Parbati Valley, as the Himalyan Black Bear frequents the area. Similarly, no human activities should be allowed beyond Sheelagarh, Manihar village and in Panch Nal area.
- vii) For conservation and preservation of flora & fauna of Parbati Valley, a conservation cell should be created in accordance with the proposal given in the EMP (page-12-16).
- viii) Under the economic rehabilitation plan for Pulga, Kalga, Tulga and Jhumi villages inter cropping system of fruit and non fruit crop may be considered.
- ix) The degraded catchment area shall be treated within 8 years from the start of the project at a cost of Rs. 2569.22 lakhs. 980 ha. has been proposed for biological measures and 2700 ha. for engineering measures, in addition 800 Rmts diversion drains, 2500 retaining walls, 600 vegetative spurs, will be provided. Year wise break up of physical targets of CAT plan is as follow:

Amended
pl. sec p
25

Biological measures (Area in ha)

Sl.No	Item of work	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	Total
1.	Plantations	-								
	a. Afforestation	-	120	120	100	80	70	-	-	490
	b. Fodder/fuel-Wood	-	90	50	50	40	30			260
	c. Horticultural Plantations.	-	50	20	30	20	-	-	-	120
	d. Silvipastoral Plantations.		40	10	20	10	30		-	110
										980

Engineering measures.

Sl. No.	Name of the work	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	Total
1.	Gully control									
	a. Brushwood	250	150	150	100	75	65	-	-	790 Nos.
	b. DRSM	80	60	55	40	15	-	-	-	250 ha.
	c. Crate wires									
	- Main gullys	500	300	250	250	150	50	-	-	1500 ha.
	- Inside gullys	250	150	125	125	50	-	-	-	700 Nos.
	- In main Nalas	50	40	30	30	25	25	-	-	200 Nos.
2.	Bench terracing	50	30	25	25	20	-	-	-	150 ha.
3.	Stream Bank Protection									
	a) Vegetative spurs									
	b) Wire crates	400	250	250	200	100	-	-	-	1200 Nos.
		250	200	150	100	100	-	-	-	800 ha.
4.	Slope stabilisation									
	a) Retaining walls	2500	2200	1800	1600	1200	500	-	-	9800 m.
	b) Vegetative spurs	600	350	300	250	200	100	-	-	1800 Nos.
	c) Wire crates	200	300	200	150	50	-	-	-	900 ha.
	d) Diversion drains	8000	5000	4500	3000	2100	-	-	-	22600 rmt

Part-B. General conditions

(i) Adequate free fuel arrangement should be made to the labour force engaged in the construction work at project cost so that indiscriminate felling of trees is prevented. Fuel depot should be open at the site to provide the fuel(kerosene/wood etc.).

(ii) Medical facilities as well as recreational facilities should also be provided to the labourers. All the labourers to be engaged for construction works should be thoroughly examined by health personnel and adequately treated before issuing them work permit.

(iii) Restoration of construction area including dumping site of excavated materials at dam site should be ensured by levelling, filling up of burrow pits, landscaping etc. The area should be properly afforested with suitable plantation.

(iv) Downstream of the dam, flood zoning approach should be done. No settlement should be allowed within flood zone.

(v) Six monthly monitoring reports should be submitted to the Ministry and its Regional Office, at Chandigarh for review.

4. Officials from Regional Office MOEF, Chandigarh would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by project proponents during their inspection.

5. The responsibility of implementation of environmental safeguards rests fully with the National Hydroelectric Power Corporation Ltd.

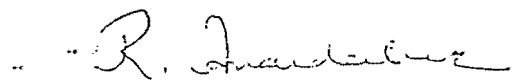
6. In case of change in the scope of the project, project would require a fresh appraisal.

7. The Ministry reserves the right to stipulate additional safeguard measures subsequently if found, necessary and to take action including revoking of the clearance under the provisions of the Environmental(Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in time bound and satisfactory manner.

8. This clearance letter is valid for a period of 5 years from the date of issue of this letter.

9. State Pollution Control Board 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. They should also send a copy to gram panchayat.

10. The project proponent should advertise in at least in two local newspapers widely circulated in the region around the project site, 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 may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in> The advertisement should be made within seven days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of the Ministry of Environment & Forests.



(R. Anandakumar)
Director

Copy to:-

1. Secretary, Ministry of Power, Shram Shakti Bhavan, Rafi Marg, New Delhi-110 001
2. Secretary, Deptt. Of Power, Govt. of Himachal Pradesh, Shimla. H.P.
3. Secretary, Deptt.of Environment, Govt. of Himachal Pradesh, Shimla, H.P.
4. Adviser (Power), Planning Commission, Yojana Bhavan, New Delhi- 110 001.
5. The Chief Engineer, Project Appraisal Directorate, Central Electricity Authority, Sewa Bhavan, R.K. Puram, New Delhi-66.
6. Chief Conservator of Forests (central) Northern Regional Office, Ministry of Environments & Forest, Govt. of India, Bay No.-24-25, Sector 31-A, Dakshin Marg, Chandigarh- 160 047.
7. Member Secretary, Himachal Pradesh Pollution Control Board, Hotel King, Top Floor, THE MALL SHIMLA- 171 001.
8. EI Division, MOEF, New Delhi.
9. Guard File

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लोदी रोड, नई दिल्ली-110003

LODHI ROAD, NEW DELHI-110003

F.No.J-12011/34/2001-IA-I

March 21, 2002.

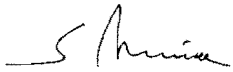
Subject:- Parbati Hydroelectric Project, Stage-II in Himachal Pradesh-
Conditions stipulated in the environmental clearance letter dated
4.6.2001 reg.

Sir,

On a request from NHPC vide their letter No.NH/PD/Env.75/563 dated 27.2.2002, expressing difficulties faced by them due to condition No.(V) under specific condition-A of environmental clearance letter dated 4.6.2001; the Ministry has reviewed the said condition and decided to modify it as follows –

“No blasting activity should be carried at night as the project site is in the close vicinity of natural animal/bird habitats, such as Sheelagarh, Hurla and Manihar nals where dense forest cover exists”.

This issues with the approval of competent authority.


(Dr. S. Bhowmik)
Additional Director

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



No.J.12011/34/2001-IA.1

भारत सरकार
पर्यावरण एवं वन मंत्रालय
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS

Dated: 4.3.2003

Subject.- Parabati Hydroelectric Project, Stage II in Himachal Pradesh-
Conditions stipulated in the environmental clearance letter dated
4.6.2001 reg.

Sir,

Reference is invited to your letter No.NH/PD/Env75/74 dated 8.1.03, requesting for modification in our letter of even number dated 21.3.02. The Ministry has reviewed the said condition and conveys no objection to allow blasting during the nights under the supervision of Wildlife Officials, for construction of road/tunnel upto March 15, 2003.

2. This issues with the approval of competent authority.

Chairman cum Managing Director,
National Hydroelectric Power Corporation Ltd.,
NHPC Office Complex,
Sector 33,
FARIDABAD 121003.

(S? Shiva Kumar)
Director (IA)

जहाँ है हरियाली।
वहाँ है खुशहाली।

पर्यावरण भवन, सी. जी. ओ. कॉम्प्लेक्स, लोदी रोड, नई दिल्ली-110003
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