

तार :
 Telegram : PARYAVARAN,
 NEW DELHI
 दूरभाष :
 Telephone : & Fax 2436 2827
 टैलेक्स :
 Telex : W-68186 DOE IN
 FAX : 4380676

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

No. J-12011/30/2008-IA.I

Dated : 4.5.2009

The General Manager
 Sainj Project Construction Circle
 Himachal Pradesh Power Corporation Ltd
 Sarabal Complex
 Bhutner - 175 125
 Dist-Kullu (Himachal Pradesh)

**Sub: Sainj Hydroelectric Power Project - 100 MW (2 x 50 MW) in
 the District of Kullu of Himachal Pradesh by M/s. Himachal
 Pradesh Power Corporation Ltd.- Environmental Clearance -
 regarding.**

Sir,

This has reference to your letter HPPCL/SPCC/DB-I/08-1304-08
 dated 10.10.2008 subsequent letters dated 18.10.2008, 12.1.2009,
 24.2.2009 and 19.3.2009 on the above mentioned subject.

2. The proposed project is located on Sainj river near village Niharani in
 Kullu District of Himachal Pradesh to generate 100 MW hydropower. A
 24.5 m. high barrage is proposed to construct on the right bank of the
 river. This is a run-of-the-river scheme. An underground powerhouse with
 2 units (2 x 50 MW) is proposed on the right bank of river Sainj near
 confluence of Jiwa Nallah. The length of head race tunnel (HRT) is 6300 m
 long. The total land requirement is about 56.73 ha. Out of which 8.77 ha.
 is private land; 42.94 ha. is forest land & 6.053 ha. is for under ground
 components. The forest land earmarked for dumping and temporary labour
 colony will be returned once the construction work is over. About 2.5 ha.
 land will be submerged. Three (3) villages consisting of 206 persons (71
 PAPs loose homestead & 135 PAPs loose land) are likely to be affected due
 to this project. 296 houses which are being acquired are constructed on
 agricultural fields and the house holders have original/alternate houses in
 main village(s). As such, no person/family is being rendered houseless.
 The total project cost is about Rs.701.04 Crores and will be completed in
 53 months.

3. The above referred proposal was considered by the Expert Appraisal Committee for River Valley & Hydroelectric projects at its meeting held on 20.11.2008, 22.1.2009 and 20.3.2009.

4. The Ministry of Environment and Forests hereby accords environmental clearance as per the provisions of Environmental Impact Assessment Notification 2006 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 3 years. The plan is given below:

Treatment Measures	Year-0	Year-I	Year-II	Year-III	Total
(I) Biological Treatment					
Afforestation	11 ha	30 ha	30 ha	30 ha	101 ha
Fuelwood Plantation	10 ha	10 ha	10 ha	10 ha	40 ha
Gap Plantation	15 ha	60 ha	60 ha	60 ha	195 ha
Pasture Development	10 ha	60 ha	60 ha	20 ha	150 ha
Fodder (Silvipasture)	10 ha	10 ha	10 ha	10 ha	40 ha
Social Forestry	15 ha	25 ha	25 ha	25 ha	90 ha
Nursery development (Nos)	5	--	--	--	5
(II) Engineering Treatment					
Contour Bunding	101 ha	100 ha	100 ha	100 ha	401 ha
Stepped drain (Rmt)	15	45	25	20	105
Check dams (Nos)	2	8	3	2	15

- (ii) The land holding of project affected persons whose land is being acquired to be submitted to this Ministry. The R&R package among NRRP - 2007 and HPPCL R&R package, which ever is better should be followed for project affected persons. Adequate publicity of the compensation package should be circulated in the affected villages.
- (iii) As per finding of the survey during the EIA study, no person is being rendered landless or houseless due to the land acquisition by the project, however, if any person rendered landless as per definition of National R&R Policy 2007 (more than 75% of land holding acquired) shall be declared landless and all consequent benefits as per the resettlement & rehabilitation plan would be released to him/her.
- (iv) The commitment made during the public hearing should be fulfilled.
- (iii) During lean season 1 cumec water has to be released for maintaining the aquatic life in the downstream

- (iv) All the equipment which are likely to generate high noise levels are to be fully mollified (noise reduction measures).
- (vi) Consolidation and compillation of the muck should be carried-out in the muck dumping sites and the dumping sites should be above high flood level The proposed plan for generated muck of 0.805 Mm^3 in the project i.e. about 0.283 Mm^3 is proposed to reutilize for the construction material & other filling purposes and remaining 0.523 Mm^3 of muck which goes-up 0.733 Mm^3 (after Increased volume) will be disposed of at 7 designated disposal areas should be strictly Implemented.
- (vii) Afforestation programme on 96 ha as proposed should be strictly taken-up. The proposed plan to create a Sainj Valley Conservation Cell (SVCC) under the aegis of Director, Great Himalayan National Park (GHNP) should be adhered.
- (viii) Green belt development as proposed on the either side of the reservoir covering with 2-3 layers of plantation in an area of 40 ha. using about 18 different plant species should be Implemented.
- (ix) The fisheries management plan for stocking of fish in Sainj reservoir @20000 fingerlings/annum should be strictly adhered. The construction of additional rearing space for fish hatchling at Hamini



- a) Minimum downstream flow of water necessary for the aquatic life and water holes should be released even during the lean season
- b) For conservation of flora and fauna of the Wildlife sanctuary, habitat improvement project, agency has to commit for the cost of the project/ or for the consultancy charges involved, if any.
- c) No blasting for construction of road/tunnels etc should be done during winter season in the periphery of sanctuary area i.e. 2.5 km of the area.

- d) No labour camps shall be set up in to periphery of Wildlife Sanctuary areas i.e. in the 2.5 kms of the area. The user agency should make such camps in the adjoining villages or somewhere else and make necessary arrangements for transport of the labour to and fro from the project site.
- e) During construction period, number of check posts shall be maintained in consultation with Forest Department, to regulate movement of forest produce at the cost of user agency.
- f) Excavated material, if any, should be properly utilised for construction/ or dumped in specified sites only, it should not be thrown on the slopes or inside the forestland or around periphery of wildlife sanctuary area.
- g) No tree felling in around 2.5 km of the wildlife sanctuary area should be done.
- h) During execution if needed Chief Wildlife Warden/ Conservator of Forests, National Park may stipulate any condition which is necessary for the protection/ welfare of flora and

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

5. 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.

(264)

6. The responsibility of Implementation of environmental safeguards rests fully with the Himachal Pradesh Power Corporation Ltd & Government of Himachal Pradesh.
7. The total amount of Rs. 41.87 Crores kept in the budgetary provisions for Implementation of environmental management plan should be strictly adhered and not to be diverted for any other purpose.
8. In case of change in the scope of the project, project would require a fresh appraisal.
9. 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.
10. This clearance letter is valid for a period of 10 years from the date of issue of this letter for commencement of construction work.
11. 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.
11. 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.
12. 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)

Yours faithfully,



(Dr. S. Bhowmik)
Additional Director