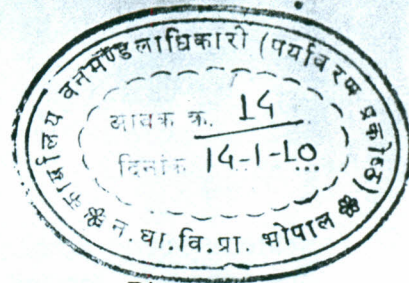


No. J-12011/13/2009-IA.I
Government of India
Ministry of Environment & Forests
[iA.I – Division]



Paryavaran Bhavan
CGO Complex, Lodhi Road
New Delhi – 110 003
Telefax: 011 2436 2827

Dated: 04.01.2010

*Copy to all
Concerned*

The Member (Environment & Forests)
Narmada Valley Development Authority
Narmada Bhavan
59 Arera Hills, Jail Road
Bhopal – 462 016
Madhya Pradesh.



Team
14/1/10
Subject:- Halon Irrigation Project in Karanjia Village, Tehsil Bicchiya,
Mandla District, Madhya Pradesh-Environmental Clearance –
Regarding.

Sir,

24/5/10
14/01/2010
This has reference to your letter No.NVDA/E&F/Env. Cell/09/402 dated
9.3.2009 and subsequent letters dated 9.6.2009 and 15.10.2009 on the above
subject.

2. The project is proposed across river Halon (a tributary of river Burner which is a tributary of Narmada) located near village Karanjia, Tehsil Bicchiya, District Mandla, Madhya Pradesh. The project envisages construction of 31 m high and 993 m. long dam across river Halon. The gross command area (GCA) is 18976 ha. and culturable command area is 13040 ha. The total land requirement for the project is about 2220.11 ha. Total submergence is about 1680.11 ha. (Out of which forest land is 109.80 ha. private land is 1413.02 ha. and government land is 157.29 ha.). The total forest area likely to be affected due to this project is 149.33 ha for which forest clearance has been obtained on 20.12.2007. 15 villages in two Districts namely Mandla & Balaghat consisting of 1577 families are likely to be affected due to this project. The Ministry of Tribal Affairs accorded clearance for R&R Plan on 25.1.2007. Rehabilitation & Resettlement of affected persons will be done as per R&R Policy 2008 of NVDA. The total estimated cost of the project is about Rs. 249.90 Crores and will be completed in 6 years.

3. The above referred proposal was considered by the Expert Appraisal Committee for River Valley & Hydroelectric Projects at its meeting held on 15.5.2009, 14.9.2009 & 16.11.2009. Public Hearing was held on 12.2.2009 and 31.7.2009.

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-I	Year-II	Year-III	Total
Biological Measures				
Gap Plantation (800 trees/ha.)	500 ha	500 ha	442 ha	1442 ha
Pasture Development	700 ha	700 ha	427 ha	1827 ha
Farm & Fuel wood Plantation	60 ha	-	-	60 ha
Social Forestry	60 ha	-	-	60 ha
Nursery development (Nos)	6	--	--	8
Engineering Measures				
Contour Bunding	300 ha	281 ha	-	581 ha
Barbedwire fencing	8 km	8 km	4 km	20 km
Check dams (Nos)	10	9	-	19
Watch & Ward (Man month)	240	240	240	720

i. The incorporated provisions of NRRP, 2007 in R&R Policy 2008 adopted by NVDA which provide better benefits for project affected persons (PAP) should be strictly followed.

ii. 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 Adequate publicity of the compensation package of NRRP 2007 should be circulated in the affected villages.

iii. The commitment made during the public hearings should be fulfilled.

iv. The irrigation water will be supplied only for Kharif (9506 ha) and rabi (7276 ha.) seasons, as stated by in the letter No. NVDA (E&F)/ Env. Cell /849 dated 09.06.2009 of the project proponent. Water will not be supplied for irrigation in summer season.

v. All the equipment which are likely to generate high noise levels are to be fully (noise reduction measures) to meet the ambient noise level standards.

vi. Conjunctive use of surface water has to be planned in the project to check water logging as well as to increase productivity.

vii. Water user association/Co-operative and involvement of the whole community for disciplined use of available waters should be formed.

viii. The OFD works are to be completed by the project proponent before the commencement of irrigation. WUA's (Water Users Associations) should be made functional to undertake the OFD works immediately when irrigation starts and this should be strictly followed.

ix. The proposed Compensatory Afforestation Programme in 149.33 in two villages namely Bhudsa & Lakhakhera should be taken-up & implemented strictly.

x. The Canal Bank Plantation for 81.5 km @ 6000 seedlings per kilometer with total of 489000 (81.5×6000) plants in both slopes and canal bank should be strictly adhered to.

xi. The proposed greenbelt development to enhance project site environment should be strictly adhered. The proposed nursery of 1 ha. Should be developed to raise the suitable plant seedlings. Apart from compensatory afforestation & greenbelt development, the proposed single row of Canal Bank Plantation for 118 km @ 100 plants for kilometer should be strictly adhered to.

xii. Kanha National Park is located in the buffer zone at a distance of 7 km from the project site. The statutory clearance, such as approval under Wildlife (Protection) Act 1972 should be obtained (if applicable), from the competent authority.

xiii. The proposed reservoir fisheries in 1680.11 ha with introduction of Indian major carps Rohu, Catla & Mrigal and stocking of fingerlings @ 500 per hectare leading to a total of 6.00 lakh fingerlings in the reservoir should be implemented. For raising advanced fingerlings, the proposed dyke ponds should be constructed. Allocated amount of Rs. 68.75 lakhs should not be diverted to any other purpose.

xiv. The establishment of Environmental Laboratory & Environmental Management Cell at the project site to carry-out environmental monitoring & evaluate of environmental mitigatory measures should be strictly taken-up. The allocated amount of Rs.10.00 lakhs should not be diverted.

xv. Occurrence of stagnant pools/slow moving water channels during construction and operation of the project providing breeding source for vector mosquitoes and other parasites. The river should be properly channelised so that no small pools and poodles are allowed to be formed. Even after taking precaution, due to unforeseen situations, breeding of mosquito and resultant malaria or mosquito borne diseases can increase. If such a situation arises, It will be the responsibility of project authorities to take all steps i.e. residual insecticidal spray in all the project area and surrounding 3 km. area keeping the flight range of mosquitoes in consideration

xvi. Any other clearance from any other organization/department if required should be obtained.

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/LPG) to the labour force.

(iii) Medical facilities/First Aid centres should be provided to the labourers with regular health check-up.

(iv) All the labourers to be engaged for construction works should be thoroughly examined by health personnel and adequately treated before issuing them work permit.

(v) All the labourers to be engaged for construction works should be provided with PPE (Personal Protective Equipments like Helmets/Gloves/Earplugs/Shoes etc.,) depending upon their nature of work.

(vi) Water sprinkling arrangements shall be made to suppress the dust and fugitive emissions.

(vii) Potable drinking water and proper sanitary facilities should be provided for the labour force.

(viii) Solid waste from the labour camps shall be collected in Bins/Masonry vats and the same shall be dumped/disposed to nearby municipal landfills/authorized dump sites. No dumping of solid waste will be allowed near any water body or a stream to exclude any health hazard problem to the community.

(ix) 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.

(x) Financial provision should be made in the total budget of the project for implementation of the above suggested safeguard measures.

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

(xii) The project proponent shall also submit six monthly reports on the status of compliance to the stipulated EC conditions (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF/State Pollution Control Board.

5. Officials from Regional Office, MoEF, Bhopal 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 and review

6. The responsibility of implementation of environmental safeguards as proposed in the EIA Report and others as stated above rests fully with the Narmada Valley Development Authority.

7. The total amount reserved for implementation of Environmental Protection Measures 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 shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

12. The 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 letter 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>

13. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional office of MoEF, the respective Office of CPCB and the SPCB.

14. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.

Yours faithfully,



(Dr. S. Bhowmik)

Additional Director

Copy to:

1. The Secretary, Ministry of Water Resources, Shram Shakti Bhavan, New Delhi
2. The Adviser (I & CAD), Planning Commission, Yojna Bhawan, New Delhi - 1
3. The Secretary (Irrigation), Government of Madhya Pradesh, Secretariat, Bhopal.
4. The Secretary, Department of Environment & Forests, Secretariat, Government of Madhya Pradesh, Bhopal.
5. The Member-Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal - 426 016
6. The Chief Engineer, Project Appraisal Directorate, Central Water Commission, Sewa Bhawan, R.K. Puram, New Delhi-110066.
7. The CCF, Regional Office (WR), Ministry of Environment & Forests, Kendriya Paryavaran Bhavan, Link Road No.3, Ravi Shankar Nagar, Bhopal- 426 016 (M.P.)
8. EI- Division, Ministry of Environment & Forests, New Delhi-110003.
9. Guard file.

(Dr. S. Bhowmik)

Additional Director