

No. J-12011/35/2010-IA.I
Ministry of Environment, Forest & Climate Change
Government of India
[IA.I – Division]

5th Floor, Vayu Wing
Indira Paryavaran Bhavan
Jor Bagh, Aliganj
New Delhi – 110 003

Dated 22nd February, 2016

To,

The Sr. Vice President
M/s. Kangtangshiri Hydro Power Pvt. Ltd.
Plot No. 1071, Road No.44
Jubilee Hills,
HYDERABAD – 500 033

Subject: Kangtangshiri HEP (75 MW) Project in West Sing District Arunachal Pradesh by M/s. Kangtangshiri Hydro Power Pvt. Ltd. – for Environmental Clearance (EC) – regarding.

Sir,

This has reference to your letter No.REHEL/KANGTANGSHIRI/MOEF-EC/2013/1001 dated 4.10.2013 and subsequent letters dated 3/1/2014, 25/7/2015, 13/8/2015 and 15/2/2016 on the above mentioned subject.

2. The above referred proposal was appraised by the Expert Appraisal Committee (EAC) for River Valley and Hydro Electric Power Projects (RV&HEP) in its meetings held on 11-12th November, 2013; 20-21st January, 2014 and 24-25th August, 2015. The comments and observations of EAC of this project may be seen in the Minutes of these meetings are available on the web-site of this Ministry.

3. The Public Hearing for the project was conducted on 23/8/2013 at General Ground, Mechuka Town, West Siang District of Arunachal Pradesh.

4. It was noted that the project is proposed on Yargyap Chu river (a tributary of Siyom river) about 10 Km downstream of Mechuka town in West Siang District of Arunachal Pradesh. The project envisages construction of a 22 m high barrage across river Yargyap Chu to generate 75 MW of hydropower. This is run-of-the-river scheme. Total catchment area of the project is 810 Sq.km. Total land requirement is 37.31 ha, out of which 18.56 ha is forest land, 18.75 ha is non-forest land. An underground powerhouse is proposed on the left bank of the river with 2 units of 37.5 MW each. A total 60 families are likely to be affected due to this project by losing land only, no family is likely to lose homestead. There is no National Park/Wildlife Sanctuary/Historical place within 10 Km radius of the project area. The total cost of the project is about ₹660 Crores and likely to be completed in 39 months.

5. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and clarifications furnished in response to its observations, have recommended for grant of Environmental Clearance for the project mentioned above. Accordingly, the Ministry of Environment, Forest & Climate Change hereby accords necessary environmental clearance for the above project as per the provisions of Environment Impact Assessment Notification, 2006 and its subsequent amendment in 2009, subject to compliance of following conditions:

Part-A: Specific conditions

i. The Catchment Area Treatment (CAT) Plan as has been proposed in EIA/EMP Report shall be undertaken in consultation with State Forest Department. The year-wise details of CAT plan is as follows:

Measures	I Year	II Year	III Year	Total
Biological measures				
Gap Plantation (ha)	200	200	100	500
Afforestation (ha)	125	100	100	325
Nursery Development (Nos)	2	--	--	2
Engineering Measures				
Barbed wire fencing (Km)	1	1	1	3
Check dams (Nos)	12	12	--	24
Contour Bunding (Nos)	40	40	30	110

- ii. The details of the land holding of project affected persons whose land is being acquired shall be submitted to this Ministry including Regional Office. The R&R benefits for the land losing households will be as per the Right to Fair Compensation and Transparency in land acquisition, Rehabilitation & Resettlement Act, 2013 or as per the State Rehabilitation and Resettlement Policy 2008 whichever is higher. Adequate publicity of the compensation package shall be given in the affected villages. All R&R issues shall be completed before commissioning of the project.
- iii. A Monitoring Committee for R&R shall be constituted which shall include representatives of project affected persons including representative from SC/ST category and a woman beneficiary.
- iv. All the commitment made during the public hearing should be fulfilled completely by the developer.
- v. Consolidation and compaction of the generated muck should be carried-out in the muck dumping sites and the dumping sites shall be above high flood level and horizontally 30 m from the tip of the level during high flood. The project is likely to generate 8.80 lakh m³ muck (with swelling factor) due to construction. Out of which 5.38 lakh m³ is to be utilized as construction purpose and remaining 3.64 lakh m³ will be dumped in 4 designated dumping sites in an area of 5 ha. A management plan for restoration of this site has been provided. An amount of ₹150 lakhs have been allocated for this purpose shall be fully utilized and not to be diverted for any other purpose.

- (iii) The labourers to be engaged for construction works shall be thoroughly examined by health personnel and adequately treated before issuing them work permit.
- (iv) No fugitive dust emissions should be observed at the construction sites. Water sprinkling arrangements shall be made to suppress the fugitive emissions.
- (v) Potable drinking water and proper sanitary facilities shall be provided for the labour force and also proper disposal facilities for solid waste are to be ensured.
- (vi) Restoration of construction area including dumping sites of excavated materials shall be ensured by leveling, filling up of borrow pits, landscaping etc. The area should be properly treated with suitable plantation.
- (vii) Environmental parameters shall be monitored and "six monthly monitoring reports" shall be submitted to the concerned Regional Office of the Ministry of Environment, Forest & Climate Change and State Pollution Control Board for their review.
- (viii) A Multi-Disciplinary Committee (MDC) to monitor environmental safeguards during the construction shall be constituted. Six monthly monitoring report of this Committee shall be displayed on the web-site of the proponent.
- (ix) Disaster Management Plan shall be prepared in consultation with District Authorities and early warning telemetric system shall be installed.

6. The Project Proponent shall provide full cooperation and provide all required documents /data to the Officials from concerned Regional Office of the Ministry who would be monitoring the implementation of environmental safeguards.

7. The responsibility of implementation of environmental safeguards rests fully with the Project Proponent and Government of Arunachal Pradesh.

8. In case of change in the scope of the project, the same shall be intimated to the Ministry and fresh approval, if required, shall be taken from the Ministry.

9. Besides the above stated conditions, the Project Proponent and Government of Arunachal Pradesh shall also implement all other environmental safeguards, as proposed in the EIA/EMP report and other reports from time to time.

10. The Environmental Management Plan (EMP) shall be strictly adhered-to and a sum of ₹4382.66 lakhs, the budgetary provisions for implementation of EMP shall not to be diverted for any other purpose.

11. 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.

12. Environmental Clearance is valid for a period of 10 years from the date of issue of this letter for commencement of construction work.

13. A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representations has been received while processing the proposal.

14. State Pollution Control Board / Committee shall display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's /Tehsildar's Office for 30 days.

15. The project proponent shall advertise within 7 days at least in two local newspapers widely circulated in the region around the project, one of which shall be in 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, Forest & Climate Change at <http://www.moef.nic.in>.

16. After 5 years of the commissioning of the Project, a study shall be undertaken regarding impact of the project on the environment and downstream ecology. The study shall be undertaken by an independent agency to be decided in consultation with the Ministry.

17. A multi-disciplinary Committee (MDC) for monitoring the implementation of environmental safe guards during construction shall be constituted by the project proponent (PP) in consultation with the Ministry as early as possible. A panel may be proposed by the PP and submitted to Ministry and the Government of Arunachal Pradesh. The project proponent shall organize six monthly meetings of the Committee and submit the monitoring report to the Ministry.

The MDC will monitor specifically, the stability and effectiveness of muck dumping site during all visits and monitor it & suggest remedial measures, if so required.

18. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days from the date of issue, as prescribed under Section-10 of the National Green Tribunal Act, 2010.

19. The Regional Office will monitor all environmental parameters encompassed in the EMP, specially effectiveness and stability of muck disposal sites and ensure release of environmental flow etc. These will be separately reported by Regional Office in their six monthly reports to be submitted to MoEF & CC, New Delhi.

20. Government of Arunachal Pradesh shall also ensure compliance and any violation of EC conditions during construction & commissioning shall be brought to the notice of MoEF & CC by Government of Arunachal Pradesh immediately for necessary action.

Yours faithfully,



(Dr. H. Kharkwal)
Joint Director/ Scientist-D

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi -1.
2. The Secretary, Ministry of Water Resources, RD & GR, Shram Shakti Bhawan, Rafi Marg, New Delhi -110001.
3. The Secretary, Department of Power, Government of Arunachal Pradesh, Itanagar-791111, Arunachal Pradesh.
4. The Secretary, Department of Forest, Environment & Wildlife Management, Government of Arunachal Pradesh, Forest Secretariat, Itanagar-791111.
5. The Chief Engineer, Project Appraisal Directorate, Central Electricity Authority, Sewa Bhawan, R. K. Puram, New Delh-110066.
6. The CCF, Regional Office, Ministry of Environment & Forests, Upland Road, Laitumkhrah, Shillong-793003 (Meghalaya).
7. Member Secretary, Arunachal Pradesh State Pollution Control Board, Environment & Forest Office Complex, Sector-P, Itanagar-791111, Arunachal Pradesh.
8. El-Division, Ministry of Environment, Forest & Climate Change, New Delhi-110003.
9. PS to JS (BS)/ Scientist-D (HK)/ PVS Rao (Sci. C).
10. NIC Cell – uploading in MOEF's website.
11. Guard File.


(Dr. H. Kharkwal)
Joint Director/ Scientist-D