BY SPEED POST

No. K-14011/1/2006-IA.II(T)
Government of India
Ministry of Environment & Forests

Paryavaran Bhawan
CGO Complex, Lodi Road
New Delhi-110 003

Dated: 19th December, 2006

To

Shri S.K. Agrawal
Director (Projects)
Nuclear Power Corporation of India Ltd.,
Nabhikiya Urja Bhawan,
Anushaktinagar, Mumbai- 400 094
Maharashtra.

Sub: Kakrapar Atomic Power Project Units 3 & 4 (KAPP 3 & 4) 2x700 MW PHWRs at Kakrapar near Surat, Gujarat by M/s Nuclear Power Corporation of India Ltd. - Environmental Clearance regarding.

Sir,

The undersigned is directed to refer to your communication No. KAPP 3&4/ 00641/M/safety/2006 dated 15th June, 2006 regarding the subject mentioned above. Subsequent information furnished vide letters no. KAPP 3&4/MoEF/M/2006/77 dated 18.10.2006 and No. NPCIL/DIR(Projects)/KAPP-3&4/MOEF/M/2006/153 dated 27.11.2006 have also been considered.

2. It is noted that the proposal is for grant of environmental clearance under the provisions of EIA Notification, 1994 to set up Unit 3&4 of 2x700 MWe capacity at the existing Kakrapar Atomic Power Station at Kakrapar near Surat, Gujarat. The total area required for the expansion project is 65 ha which is under the possession of the proponent. No additional land is to be acquired. No forest land, no ecologically sensitive area and no R&R is involved. The total water requirement for the existing as well as the proposed expansion project has been estimated as 200 cusecs. Out of this, 140 cusecs is to be drawn from Kakrapar weir and 60 cusecs from Moticher pond. Government of Gujarat has allocated 200 cusecs of water for Kakrapar Atomic Power Station. No ground water will be extracted. Closed Cycle Cooling system with natural draft cooling towers will be provided. Public hearing for the project was held on 21.04.2006 and NOC was issued by Gujarat Pollution Control Board on 23.06.2006. The project cost is Rs 7,000.00 crores including Rs. 615.00 crores for environmental protection measures.

3. The proposal has been considered in accordance with para 12 of the EIA Notification dated 14th September, 2006 read with sub clause (i) of clause 2.1.1 of sub para 2.1 of para 2.0 of the Circular no. J-11013/41/2006 – IA.II (I) dated 13th October, 2006 and environmental clearance is hereby accorded under the provisions there of subject to implementation of the following terms and conditions:

(i) All the conditions stipulated by Gujarat Pollution Control Board vide their letter no. GPCB/NOC/SRT.1673/20494 dated 23.06.2006 shall be strictly implemented.

(ii) One complete season AAQ data for conventional pollutants shall be collected and furnished within six months of the issue of the environment clearance letter.

(iii) AERB clearance for the site shall be obtained before starting any construction work and a copy of the same shall be provided to Ministry of Environment & Forests.

(iv) No additional land shall be acquired for any purpose.

(v) Closed Cycle Cooling system with natural draft cooling towers shall be provided.

(vi) A scheme for rainwater harvesting shall be prepared in consultation with an expert agency and details furnished within 3 months of the issue of the environment clearance letter.

(vii) There shall be no direct discharge of effluents into Tapi River.

(viii) Greenbelt covering an area of 35.21 ha shall be developed all along the plant boundary.

(ix) The trees to be felled from the site of the proposed expansion project shall be transplanted to the extent possible. Besides this, 25000 trees shall be planted in the greenbelt area in lieu of the trees to be cut.

(x) Leq of Noise level should be limited to 75 dBA and regular maintenance of equipment be undertaken. For people working in the high noise areas, personal protection devices should be provided.

(xi) Regular monitoring of gaseous pollutants, radioactive pollutants in the air as well in the discharge water shall be monitored regularly as per AERB standards.

(xii) Regular monitoring of the ambient air quality shall be carried out in and around the power plant and records maintained. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry.

(xiii) The project proponent shall advertise in at least 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://envfor.nic.in.

(xiv) A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.

(xv) Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards should be submitted to this Ministry/ Regional Office/CPCB/SPCB.

(xvi) Regional Office of the Ministry of Environment & Forests located at ***Bhopal*** will monitor the implementation of the stipulated conditions. Complete set of Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring.

(xvii) Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. This cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.

(xviii) Full cooperation should be extended to the Scientists/Officers from the Ministry/Regional Office of the Ministry at ***Bhopal*** /the CPCB/the SPCB who would be monitoring the compliance of environmental status.

4. The Ministry reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.

5. The environmental clearance accorded shall be valid for a period of 5 years to the start of production operations by the power plant.

6. In case of any deviation or alteration in the proposed project from that submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

7. The above stipulations shall be enforced along with others as under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989, Hazardous Wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991 and rules there under.

(Dr. S.K. Aggarwal)
DIRECTOR