ANNEXURE

ENVIRONMENTAL CLEARANCE
2010

J 13012/92/2008-IA.II (T)
Government of India
Ministry of Environment & Forests

Paryavaran Bhawan
CGO Complex, Lodi Road
New Delhi-110 003
Email: plahujarai@yahoo.com
Dated: June 10, 2010

To

M/s Hinduja National Power Corporation Limited
Bldg No. Khivraj Complex, 7th Floor,
477-482, Anna Salai, Nandanam
Chennai- 600035
Tamilnadu

Sub: 1040 MW (2X520 MW) Hinduja National Power Project at Visakhapatnam Andhra Pradesh by M/s Hinduja National Power Corporation Ltd.- rescind the precautionary condition reg.

Sir,

The undersigned is directed to refer to this Ministry's letter of even no. dated 4th March, 2009 and communication no. 9532/CZMA/2007 dated 25th May, 2010 from the Special Chief Secretary to Government E.F.S &T Department, Government of Andhra Pradesh, enclosing the minutes of the Andhra Pradesh State Coastal Zone Management Authority (APCZMA) meeting held on 13th May, 2010 and the revised layout of the above project activities superimposing the above plant layout on the Coastal Regulation Zone map prepared by the National Institute of Oceanography (NIO), Visakhapatnam, an authorized agency.

2. Reference is also drawn to the communication received from M/s Hinduja National Power Corporation Limited dated 28th May, 2010 requesting to delete the precautionary condition of 100mts stipulated along the Coastal Regulation Zone boundary on the landward side which was imposed vide our letter of even number dated 4th March, 2009 at para 3.

3. The Ministry has now examined the facts provided by Government of Andhra Pradesh indicated above in detail including the Coastal Regulation Zone map prepared by NIO. The Coastal Regulation Zone map along with the project layout superimposed on the map has been duly vetted by the Andhra Pradesh Coastal Zone Management Authority and recommended to the Ministry for deletion of the above clause indicated at para 2above.

4. The Ministry had stipulated the 100mts buffer as indicated at para 2 above as a precautionary approach since, the Coastal Regulation Zone map from the authorized agency was not made available to the Ministry during revalidation of environmental clearance.

(8 Pages)

5. Now, since, the map has been provided and the recommendations of AP Coastal Zone Management Authority have been forwarded to the Ministry, the Ministry hereby accepts the recommendations made by the AP Coastal Zone Management Authority and deletes the 100mts buffer stipulated along the Coastal Regulation Zone boundary along the landward side indicated in the Ministry's letter of even number dated 4th March, 2009.

6. It shall be ensured that all the developmental activities with regard to the above Thermal Power Plant shall be taken up in accordance with the CRZ Notification, 1991 and approved Coastal Zone Management Plan for the State of Andhra Pradesh.

7. M/s HNPCL shall comply with all the conditions stipulated by the Ministry vide according environmental clearance to the above project vide letter no. J-13011/11/90-IA-II (T) dated September 3rd, 1996 and September 10th, 1996.

8. In case of change in the scope of the project, you may approach Ministry for obtaining fresh environmental clearance and CRZ clearance as per the provisions of EIA Notification, 2006 and CRZ Notification, 1991.

9. This issues with the approval of the Competent Authority.

Yours faithfully,

P. Ahujarai

(Dr. P.L. Ahujarai)
Scientist-F

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Secretary (Environment), Forests and Environment Department Government of Andhra Pradesh.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, Andhra Pradesh State Pollution Control Board, Paryavarana Bhawan, A-3, Industrial Estate, Sanath Nagar, Hyderabad -500 018.
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi- 110032.
6. The Chief Conservator of Forests, Regional Office (SZ), Kendriya Sadan, 4th Floor E&F Wings 17th Main Road, 1 Block , Koranmangala, Bangalore -560 034.
7. The Chairman, Andhra Pradesh State Coastal Zone Management Authority, Environment , Forest, Science and Technology Department, Secretariat, Hyderabad-500022
8. The District Collector, Vishakapatnami District, Govt. of Andhra Pradesh.
9. Guard file/Monitoring file.

(Dr. P.L. Ahujarai)
Scientist-F

2

ENVIRONMENTAL CLEARANCE
2009

By Speed Post

No J-13012/92/2008-IA.II(T)
Government of India
Ministry of Environment and Forests

Paryavaran Bhawan,
CGO Complex, Lodi Road,
New Delhi-110003.

Dated: 4th March, 2009

To

M/s Hinduja National Power Corporation Limited
Bldg. No. 2, Khivraj Complex, 7th Floor,
477-482, Anna Salai, Nandanam,
Chennai-600035.

Sub 1040 MW (2x520 MW) Hinduja Power Project at Visakhapatnam Andhra Pradesh by M/s Hinduja National Power Corporation Ltd- Validity of EC reg.

Ref: Your letters dated 29.12.2008 & 23.2.2009

Sir,

Please refer to your letters dated 29.12.2008 & 23.2.2009 regarding the aforementioned subject.

In view of the documents provided by you in support of your claim that implementation of civil construction activities at the project site etc. had begun in the year 1999, as such the EC issued to you vide letters dated 3rd Sept & 10th Sept, 1996 remains valid.

It is noted that you have undertaken, interalia, that no activity will take place within five hundred meters of HTL other than the activities permissible under the CRZ Notification by the Competent Authority. However, as an abundant precaution it may be ensured that a further distance of 100 mts. from the 500 mts line from HTL is kept free from any construction activity till such time an authenticated CRZ map demarcating the high tide line vis-à-vis the plant boundary is submitted to this Ministry. The map indicating CRZ area duly certified by the approved agency and authenticated by the State Coastal Zone Management Authority may be submitted on top priority.

Further, compliance status with respect to the stipulated environmental conditions should be up loaded in your web site and up dated twice in a year and the same will also be sent by e-mail to the MoEF's, Regional office located at Bangalore.

Contd...

3

The ambient levels of criteria pollutants (SO_2, NOx & SPM) should be uploaded and displayed on your web site and also at a convenient place in the plant premises periodically.

Yours faithfully,

(Lalit Kapur)
Director

ANNEXURE

ENVIRONMENTAL CLEARANCES
UPTO 2009

तार
Telegram : PARYAVARAN,
NEW DELHI
दूरभाष
Telephone : 4360478
टेलेक्स (द्विभाषीय) :
Telex : (bi-lingual) : W-66185 DOE IN
Fax : 4360678
भारत सरकार
पर्यावरण एवं वन मंत्रालय
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS
पर्यावरण भवन, सी. जी. ओ. कॉम्प्लेक्स
PARYAVARAN BHAWAN, C.G.O. COMPLEX
लोदी रोड, नई दिल्ली-110003
LODHI ROAD, NEW DELHI-110003

No.J.13011/11/90-IA-II(T)

September 3, 1996

OFFICE MEMORANDUM

Subject: 2x250 MW Thermal Power Plant near Visakhapatnam by M/s Hinduja National Power Corporation Limited - Environmental Clearance.

Reference is invited to letter No.HNPC/APSEB dated 20th September, 1995 and No.HNPC/Clear dated 26th July, 1996 from the Hinduja National Power Corporation Limited (HNPCL) regarding the above mentioned project.

2. The proposal for the setting up of the 1040 MW Coal Based Thermal Power Project has been examined from environmental angle and clearance is hereby accorded subject to effective implementation of the following safeguard measures:-

i) All the conditions stipulated by Andhra Pradesh pollution Control Board vide their letter No.19/PCB/C.Estt./RO/VSP/AEE/ VIII/95-4433 dated 13th November, 1995 should be strictly implemented.

ii) A Bi-flue stack of 275 m with continuous stack monitoring system should be installed.

iii) Electrostatic precipitator having efficiency of not less than 99.8% should be installed and it should be ensured that particulate emissions would not exceed the prescribed limit of 150 mg/Nm3.

iv) Once through cooling system should be provided and the rise in temperature should be maintained within 5 degrees centigrade of the ambient water. The proposed pipeline for sea water intake and outlet should conform to the regulations of the Coastal Zone Notification of February, 1991. Desalination plant should be provided for meeting the water requirement of the power project and other auxiliary activities.

v) Adequate space should be provided for installation of flue gas desulphurisation plant in future for control of sulphur-di-oxide.

Acquisition of land should be restricted to 2682 acres including 890 acres for ash disposal.

vii) Only beneficiated coal to the tune of 16080 MT/Day should be used with ash content not exceeding 34%. Fly ash generated should be collected in dry form in dry form in silos and fully utilised in a phased manner. As indicated in the Environmental Management Plan, increase in the dyke height above 8 m should be undertaken through use of fly ash. For avoiding contamination of ground water, ash pond area should be suitably lined and dyked. As provided in the layout, adequate space should be earmarked for setting up of ash user plants to avoid long distance transportation of fly ash.

viii) Noise level should be limited to 85 dBA and regular maintenance of equipments be undertaken. For people working in the area of generator halls and other high noise areas, ear pluggs should be provided.

ix) For controlling fugitive dust, regular sprinkling of water in coal handling and other vulnerable areas of the plant should be ensured.

x) Afforestation plan should be formulated in consultation with the local DFO and implemented by creating a greenbelt of 500 m along the sea side from High Tide Line. A strip of greenbelt of 150-200 m should also be created along the ash pond area and about 100 m in available spaces within the colony along the roads etc. A norm of 1500-2000 trees per ha should be followed and aftercare and monitoring should also be ensured.

xi) Continuous monitoring of ground water should be undertaken by establishing good network of observation wells in consultation with the Central Ground Water Board. Results and data collected should be analysed to ascertain the status of water quality and findings should be submitted for evaluation.

xii) All effluents generated in various plant activities should be collected in the Central Effluent Treatment Plant and treated to ensure adherence to specified standards of discharge. The concept of zero discharge should be adopted to a maximum possible exten.

xiii) Keeping in view the fact that 2x500 MW thermal power plant by M/s. National Thermal Power Corporation Limited proposed in the vicinity of 1040 MW thermal power project, common facilities for coal transportation, laying of rail lines etc. should be worked out with mutual consultation to avoid duplication of facilities and acquisition of additional land.

xiv) A financial provision of Rs.250 crores should be provided for implementation of environmental mitigative measures with adequate scope for its enhancement in future. These funds should not be diverted for any other activities and separate account should be maintained.

xv) Regular monitoring for SPM, SO2 and NOX around the power plant may be carried out and records maintained. The data so collected should be properly analysed and submitted to the Ministry every six months.

xvi) Full cooperation should be extended to the Scientists/ Officers from the Regional Office of the Ministry at Bangalore and also to the State Pollution Control Board who would be monitoring the compliance of environmental status. Complete set of impact assessment report and the Management Plans should be forwarded to the Regional Office for their use during monitoring.

xvii) Monitoring Committee should be constituted for reviewing the compliance to various safeguard measures by involving recognised local NGOs, Pollution Control Board Experts etc.

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

4. For any deviation or alteration in the project proposed from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the conditions imposed and to add additional environmental protection measures required, if any.

5. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, the Impact Assessment Notification of January, 1994 and its amendments.

(Nalini Bhat)
Additional Director

The Managing Director,
Hinduja National Power Corporation Limited,
Plot 974, Road No.50, Jubilee Hills,
HYDERABAD-500033

7

Annexure 4

भारत सरकार
पर्यावरण एवं वन मंत्रालय
Government of India
Ministry of Environment & Forests

दूरभाष :
Telephone : 4360478
तार :
Telegram : PARYAVARAN. NEW DELHI
पर्यावरण भवन, सी. जी. ओ. कॉम्प्लेक्स
PARYAVARAN BHAWAN. C.G.O. COMPLEX
लोदी रोड, नई दिल्ली-110003
LODI ROAD. NEW DELHI-110003

No:J-13011/11/90-IA-II(T)

Sept. 10, 1996

CORRIGENDUM

Reference is invited to our OM of even No. dated 3rd September, 1996 regarding environmental clearance to Thermal Power plant near Visakhapatnam by M/s Hinduja National Power Corporation Ltd.

The installed capacity indicated as 2x250 MW should be read as 2x520 MW.

The inconvenience caused is regretted.

(NALINI BHAT)
ADDITIONAL DIRECTOR

The Managing Director,
Hinduja National Power Corporation Ltd.
Plot 974, Road No. 50,
Jubilee Hills,
HYDERABAD-500033.

Copy for confirmation to:

1. The Secretary, Ministry of Power, Shram Shakti Bhavan, Rafi Marg, New Delhi.
2. The Chairman, Andhra Pradesh Pollution Control Board, IInd Floor, HUDA Complex, Maitrivanum, Ammerpet, Hyderabad-38.
3. The Chairman, Central Electricity Authority, Sewa Bhavan, R.K.Puram, New Delhi.
4. The Chief Conservator of Forests, Regional Office, Bangalore.
5. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi.
6. Guard File.

(NALINI BHAT)
ADDITIONAL DIRECTOR