→ To. Sr. Env. Officer

F. No. J-11011/263/2009- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
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New Delhi – 110 003
E-mail: ms.industry-mef@nic.in
Tele/fax: 011 – 2436 3973
Dated: June 21, 2010

To,

The SR. Vice President (Projects)
M/s Jaykaycem Limited
No. 529/1, Sai nagar, Mudhol- 587 313
District Bagalkot, Karnataka

Fax: 08350- 280710, E-mail: jkcmudhol@yahoo.co.in

Sub: Expansion of Cement Grinding Unit (2.50 MTPA to 3.5 MTPA) at Village Muddapur, Taluka Mudhol, District Bagalkot, Karnataka by M/s Jaykaycem Limited. Reg. Environmental clearance

Sir,

This has reference to your letter no. nil dated 2.01.2010 along with copy of final EIA report seeking environment clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that M/s Jaykaycem Limited have proposed for expansion of cement grinding unit from 2.50 MTPA to 3.5 MTPA at Village Muddapur, Taluka Mudhol, District Bagalkot, Karnataka by adding slag grinding Mill (1.0 MTPA) in the existing cement plant to utilize available Slag from the nearby Steel plant being generated as by-product. Ministry of Environment & Forests has accorded Environmental Clearance vide Letter No. J-11011/489/2006-IA.II(I) dated 14th September 2007 for setting up an Integrated Cement Plant (2.20 MTPA Clinker & 2.50 MTPA OPC) and coal based Captive Power Plant (2X25 MW). Karnataka State Pollution Control Board has granted 'Consent for Establishment' for the project vide letter no. CFE-CELL/JKCL/EIA-675/2007-2008/152 dated 7th November, 2007. The total land required for the project will be 8.1 ha which is within the existing plant premises and if already in possession with the company. No eco-sensitive areas are located within 15 km periphery of the plant Total cost of the project will be Rs. 93.16 Crores.

3. For control of air pollution from slag grinding unit, bag filter with stack will be provided. To prevent fugitive dust from clinker transportation, water sprinkling will be done. To control dust emission from dropping/transfer points of the belt and bucket conveyors, bag filters will be provided at various locations of the transfer points. All the raw material stockpiles will be covered with aprons to absorb fugitive dust emissions. On-line gas analyzer for O_2, CO emission will be provided at Kiln inlet, precaution outlet and pre-heater outlet. On-line dust monitor for the stack of slag grinding unit and offline dust emission monitoring kit will be provided.

4. Total water requirement for the existing and proposed plant is 1688.58m3/d of which fresh water requirement will be 1046m^3/day and 642.18m^3/day will be met from the recycled water. The water requirement for the grinding unit is 200m3/d which will be met from the existing availability. Permission for 1000m3/d of water drawl was obtained from Central Ground Water Authority vide letter no.21-4(70)/SWR/CGWA/2008-1568 dated 28.11.2008. The effluent after treatment will be recycled and used for dust suppression and green belt development. Rain water will be harvested to recharge the ground water.

5. The solid waste from the proposed plant will be dust, which will be collected in bag filter and will be used within the process. About 34.5 ha of land area will be covered under green belt including the area along the periphery of the cement plant. Acoustic dampeners in foundations and insulators in interior will be provided. Proper acoustic enclosure, acoustic barrier etc will be provided. Total power requirement for the proposed plant will be 10 MW, which will be sourced from the Captive Power plant under Commissioning.

6. All cement plant more than 1.0 MTPA covered under Category 'A' as per para 3(b) of the Schedule of the EIA notification 2006 and appraised at central level.

7. The proposal was considered by the Expert Appraisal Committee -1 (Industry) in its meeting held on 17th -18th May, 2010, and recommended the proposal for environmental clearance. Public hearing was exempted as per para 7(ii) of EIA Notification, 2006.

8. Based on the information submitted by you, presentation made by you and your consultant, Bhagavathi Ana Labs Limited, Hyderabad, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006 subject to strict compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS :

i) All other necessary statutory clearances from the concerned Departments including No Objection Certificate from the Karnataka State Pollution Control Board (KSPCB) shall be obtained prior to commencement of construction and / or operation.

ii) Compliance to all the specific and general conditions stipulated for the existing plant by the Central/State Govt. shall be ensured and regular reports submitted to the Ministry and its Regional Office at Bangalore.

iii) Adequate pollution control measures viz. bag filters shall be provided to control emissions from various sources within 50 mg/Nm^3. At no time, particulate emissions from the grinding unit shall exceed 50 mg/Nm^3. Interlocking facility shall be provided in the pollution control equipments so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.

iv) Cement grinding shall be carried out in closed circuit and shall have highly efficient reverse pulse jet type bag filters.

v) Ambient air quality monitoring stations (AAQMS) shall be set up as per statutory requirement in consultation with the Karnataka Pollution Control Board (APCB). Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and shall be carried out regularly in consultation with ASPCB and must not exceed the standards stipulated under EPA or by the State Authorities. Monitoring reports for ambient air, stack and fugitive emissions shall be submitted to the Ministry's Regional Office at Bangalore, Central Pollution Control Board (CPCB) and KSPCB half-yearly. The instruments used for ambient air quality monitoring shall be calibrated time to time.

vi) The company shall install adequate dust collection and extraction system to control fugitive dust emissions at loading/unloading points and all the transfer points. Dust extraction system with bag filters at raw material handling areas shall be provided, collected in bag filters and recycled back to the process. Storage of raw material shall be in closed roof sheds. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas.

vii) Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed. Transportation of raw materials shall be in covered means.

viii) Total ground water requirement shall not exceed 200m^3/day. No wastewater shall be generated from the cement grinding unit.

ix) All the solid waste viz. fly ash and dust etc. should be properly recycled and reutilized in the process itself.

x) As proposed, green belt shall be developed in at least 34.5 ha of land area to mitigate the impact of fugitive emissions in and around the expansion project as per the CPCB guidelines in consultation with the local DFO.

xi) Proper house keeping and adequate occupational health programmes shall be taken up.

xii) All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.

xiii) Rainwater harvesting measures shall be adopted. The company must also harvest the rainwater from the roof tops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.

xiv) At least 5 % of the total cost of the project should be earmarked towards the corporate social responsibility and item-wise details alongwith time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program should be ensured accordingly in a time bound manner.

xv) The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. GENERAL CONDITIONS:

i. The project authorities must strictly adhere to the stipulations made by the Kanataka State Pollution Control Board and the State Government.

ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.

iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.

iv. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO_2 and NO_X are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bangalore and the SPCB/CPCB once in six months.

v. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.

vi. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).

vii. Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.

viii. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.

ix. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.

x. As proposed, Rs 431 lakhs and Rs. 117.95 lakhs shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bangalore. The funds so provided shall not be diverted for any other purpose.

xi. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila 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 web site of the company by the proponent.

xii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bangalore. The respective Zonal Office of CPCB and the CECB. The criteria pollutant levels namely; PM10, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

xiii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bangalore/ CPCB / SPCB shall monitor the stipulated conditions.

xiv. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bangalore by e-mail.

xv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http:/envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Bangalore.

xvi. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

9. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

10. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

11. 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 Act, 1997.

12. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules

P. Ahujarai

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

Copy to:

1. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
2. Chairman, Karnataka State Pollution Control Board, 6,7,8&9th Floor, (Public Utility Building) NSB building, Mahatma Gandhi Marg, Bangalore -560001, Karnataka.
3. Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wing, 17th Main Road, Koramangala, Bangalore-560034.
4. Secretary, State Department of Environment and Forests, Govt. of Karnataka, Bangalore.
5. Director, Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Guard File./Monitoring File/Record File.

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