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F. No. J-11011/992/2007- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

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Dated 27th February, 2008

To,

M/s Nirma Ltd.
 Nirma House, Ashram Road
 Ahmedabad -38009, Gujarat

E.Mail : vndesai@nirma.co.in / cement_project@nirma.co.in.
Fax No.: 079-27546999

Subject : Cement Plant (Cement Plant 1.91 MTPA; 1.50 Clinker) and Captive Power Plant (50 M) near Village Padhiarka, Taluka Mahuva, District Bhavnagar, Gujarat by M/s Nirma Ltd. - TORs reg.

Ref. : Your letter no. NNL/CP/VND/2009/175/07-08 dated 5th September, 2007.

Sir,

Kindly refer your letter no. NNL/CP/VND/2009/175/07-08 dated 5th September, 2007 alongwith project documents including Form-I, Pre-feasibility Report and draft 'Terms of Reference' as per the EIA Notification, 2006. It is noted that proposal is for the Cement Plant (Cement Plant 1.91 MTPA; 1.50 Clinker) and Captive Power Plant (50 M) near Village Padhiarka, Taluka Mahuva, District Bhavnagar, Gujarat by M/s Nirma Ltd.

Draft Terms of Reference (TOR) have been discussed and finalized during the 77th Meeting of the Expert Appraisal Committee (Industry) held during 21st - 24th January, 2008 for preparation of EIA/EMP. Following are the 'TORs':

1. Present land use based on satellite imagery should be included.
2. Information on National Park/Sanctuary/Reserve Forests within 10 KM radius of the project site, if any, should be included.
3. Site-specific micro-meteorological data including inversion height and mixing height should be incorporated.
4. Existing ambient air, stack emission monitoring of HC, CO alongwith SPM, RSPM, SO₂, NO_x and VOCs should be included.
5. Details of coke oven plant alongwith the reasons for the use of non-recovery type of coke oven.
6. Proper and full utilization of coke oven gases in power plant and no discharge of gases into the air should be included.
7. Mass balance of coke oven gases should be incorporated.
8. Air quality modeling for the cement and coke oven plant and Air Pollution Control System proposed for the cement, coke oven plant and WHRB.

9. Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features.
10. Sources of secondary fugitive emissions, its control and monitoring as per the CPCB guidelines should be included.
11. Impact of the transport of raw material and finished product on the transport system should be assessed and provided.
12. Chemical characterization of RSPM and incorporation of RSPM data. Location of one AAQMS in downwind direction should be included.
13. One-month data for gaseous emissions other than monsoon season should be included.
14. 'Permission' for the drawl of sea water and water from River Narmada should be incorporated. Water balance cycle data including quantity of effluent generated, recycled and reused and discharged should be included.
15. A chapter on hydrology study by the State Govt. should be included. Ground water monitoring minimum at 8 locations should be included and assurance that no ground water will be used as proposed.
16. Surface as well as roof top rain water harvesting and ground water recharge should be included.
17. Status of CRZ clearance and impact assessment study for the disposal of treated effluent into the seawater.
18. A write up on use of high calorific hazardous wastes in kiln and commitment regarding use of hazardous waste should be included.
19. Scheme of proper storage of fly ash, gypsum, clinker should be included.
20. Risk assessment and damage control should be incorporated.
21. Occupational health of the workers should be incorporated.
22. Green belt development plan for 33 % as per CPCB guidelines should be incorporated.
23. Socio-economic development activities should be included.
24. Compliance to the recommendations mentioned in the CREP guidelines should be included.

These 'TORs' should be considered for the preparation of draft EIA / EMP report for the Cement Plant (Cement Plant 1.91 MTPA; 1.50 Clinker) and Captive Power Plant (50 M) near Village Padhiarka, Taluka Mahuva, District Bhavnagar, Gujarat in addition to all the relevant information as per the 'General Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. The draft EIA/EMP as per TORs should be submitted to the Gujarat Pollution Control Board (GPCB), Gujarat for public consultation. The GPCB shall conduct the public hearing/public consultation as per the provisions of EIA notification, 2006.

You are requested to kindly submit the final EIA/EMP prepared as per TORs and incorporating all the issues raised during Public Hearing / Public Consultation to the Ministry for considering the proposal for environmental clearance.


(Dr. P.B. Rastogi)
Director

Copy to : The Chairman, Gujarat Pollution Control Board, Parvaran Bhavan, Sector - 10, A, Gandhi Nagar - 382 010, Gujarat.


(Dr. P.B. Rastogi)
Director

Received
Patankar

o/c