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Government of India
Ministry of Environment & Forests

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Dated the 27th May, 2009

CIRCULAR

Sub: Key parameters to be monitored in respect of Mining Projects by the Project Proponents for putting on their website and for display on display board in the public domain – Regarding.

It has been recognized that self-monitoring of key environmental parameters by the respective project proponents and placing the same for information for all concerned in the public domain is crucial for ensuring effective compliance of the stipulated conditions and environmental safeguards. Accordingly, in respect of mining projects, it has been decided as under:

- I. The information to be put in public domain will be in two parts comprising of (i) static information relating to physical data about the mine lease in terms of its area, production, lease duration and date of commencement of work and (ii) dynamic parameters to be monitored periodically and put into public domain such as AAQ, quality of discharged water, area under plantation and number of trees planted and vibration due to blasting (peak particle velocity).
- II. The broad parameters to be monitored and their frequency as decided by the Committee are as under:

(i) Ambient Air Quality:

SPM, RSPM and NO_x for opencast mining

Name of the Mineral	Production Capacity (≥)	Frequency of Monitoring
Iron Ore	0.5 MTPA	15 days
Bauxite	0.1 MTPA	15 days
Lime Stone (Cement / Chemical Grade)	0.5 MTPA	15 days
Lead, Zinc, Copper	0.5 MTPA	15 days
Chromite	0.1 MTPA	15 days
Silica Sand (Glass)	0.1 MTPA	30 days
Building Stone (Dimensional Stone)	0.5 MTPA	15 days

(ii) Vibration:

Peak particle velocity at 300 m distance or within the nearest habitation, whichever is closer, for opencast mine using large diameter hole blasting (100 mm and above).

(iii) Quality of Discharge Water:

TDS, DO, PH, total suspended solids (TSS), Cr⁺⁶ (only for chromite mine)

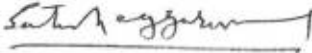
(iv) Greenbelt / Plantation:

Number of trees planted, calendar year wise (progressive) and area covered.

III. In case of small mines operating in clusters, it would be desirable that these mines form a cooperative and monitor the environmental parameters as a group of mines and display the monitored parameters on a display board to be located at a suitable location in the area to show the environmental conditions in the public domain.

2. It is thus brought to the information of all the project proponents of mining projects to take note of the above instructions for compliance with immediate effect.

This issues with the approval of the Competent Authority.


(S.K. Aggarwal)
Director

To

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|---------------------------------------|------------------------|--------------------------|
| 1. All the Officers of IA Division | | |
| 2. All the Regional Offices of MoEF } | with a request to give | |
| 3. Member Secretary, CPCB } | | wide publicity to this |
| 4. Member Secretary of all SPCBs } | | circular for compliance. |

Copy to:-

1. PPS to AS(JMM)
2. Advisor (GKP)
3. Advisor (NB)