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**भारत सरकार**  
Govt. of India  
**श्रम एवं रोजगार मंत्रालय**  
Ministry of Labour & Employment  
**ज्वाला सुरक्षा महाविदेशालय**  
Directorate-General of Mines Safety

DGMS (Tech.) Circular 2 of 2006

Dhanbad dated, 12<sup>th</sup> June, 2006

To  
The Owner, Agent and Manager of all Mines

Sub: Sampling of Airborne Respirable dust levels in mine atmosphere

DGMS (Tech.) Circular No. 5 of 1988 specifies guide lines for conducting air-borne dust surveys in mines. As per the guide lines NCB/MRE dust sampler type 113A or its approved equivalent is to be used for fixed/static dust sampling which will mainly give the assessment of airborne respirable dust in work place environment. Apart from static sampling, Personal dust samplers are also used for assessing the dust dose of an individual during a shift.

It has been brought to the notice of the undersigned that M/s Casella, London, the only manufacturer of MRE-113A Gravimetric dust sampler had stopped manufacturing and as such procurement/maintenance of this sampler is becoming difficult. At present no other approved type of static sampler is available in the market.

The matter has been examined, in light of present non-availability of any approved type of static sampler in the market. In order to tide over the problem as of now, it has been decided to temporarily permit use of Personal dust samplers for the purpose of carrying out airborne respirable dust survey in mines as static sampler as required under Regulation 123 of the Coal Mines Regulations, 1957 and Regulation 124 of the Metalliferous Mines Regulations, 1961 for a period of two years.

The Personal dust samplers to be used for the purpose shall function on the principle of gravimetric separation and shall be able to give an equivalent concentration as measured with an MRE-113A Gravimetric dust sampler. Such personal dust samplers shall be of a type approved under Regulation 123 of the Coal Mines Regulations, 1957 and Regulation 124 of the Metalliferous Mines Regulations, 1961.

Director General of Mines Safety