

No. DGMS (tech) Circular 02

Dhanbad dated 27th January, 2005

Subject: Use of mobile phones and two-way radio transmitters during charging of explosive and infilling stations.

To,
All Owners, Agents and Managers of all mines

There can be substantial risk of premature firing of detonators and explosive from transmitted radio frequency (RF) energy and precautions are necessary against it. The common source of hazardous radio frequency (RF) transmission includes, *interalia*, *mobile citizen* band (CB) or side band radio transmitters, VHF (FM) radio transmission, VHF cellular telephones and radar transmitters.

In our country cellular telephones are widely being used, including the mine sites. It has been observed that even during charging and preparation of explosives in opencast workings cellular telephones and two- way transmitters are used for communication. There is, therefore, risk of accidental firing of explosive with serious consequences.

Similar type or risk exists while using cellular telephones and two-way transmitters in fuel oil filling stations in the mines.

Therefore in the interest of safety, I request you to restrict the use of cellular phones and two-way transmitters while handling the explosives including preparing and charging of the same and in fuel filling stations in the mines under your control.

Sd/-
(Bhaskar Bhattacharjee)
Director General of Mines Safety