

# Noise Pollution

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## Noise Standards for Firecrackers

### MINISTRY OF ENVIRONMENT AND FORESTS

#### NOTIFICATION

New Delhi , the 5 th October, 1999

**G.S.R. 682(E).**- In exercise of the powers conferred by sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely:-

1. (1) These rules may be called the Environment (Protection) (Second Amendment) Rules, 1999.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the Environment (Protection) Rules, 1986, in Schedule I,-

(i) ----

(ii) ----

(iii) ----

(iv) after serial number 87 relating to Emission Regulations for Rayon Industry, and the entries relating thereto, the following serial numbers and entries shall be inserted, namely:-

**“88. -----**

#### **89. Noise standards for fire-crackers**

- A. (i) The manufacture, sale or use of firecrackers generating noise level exceeding 125 dB(AI) or 145 dB(C) pk at 4 meters distance from the point of bursting shall be prohibited.  
(ii) For individual fire-cracker constituting the series (joined firecrackers), the above mentioned limit be reduced by  $5 \log_{10} (N)$  dB, where N = number of crackers joined together.
- B. The broad requirements for measurement of noise from firecrackers shall be-
  - o The measurements shall be made on a hard concrete surface of minimum 5 meter diameter or equivalent.
  - o The measurements shall be made in free field conditions i.e., there shall not be any reflecting surface upto 15 meter distance from the point of bursting.
  - o The measurement shall be made with an approved sound level meter.
- C. The Department of Explosives shall ensure implementation of these standards.
- D. The firecrackers for the purpose of export shall be exempted from the sub-paragraphs A, B and C above, subject to the compliance of the following conditions, namely:-
  - i. the manufacturer shall have an export order;
  - ii. the firecrackers shall conform to the level prescribed in the country to which it is exported;
  - iii. they shall have a different packing colour code, and

- iv. there shall be a declaration on the box “not for sale in India ” or “only for export in other countries.”

Note: dB(AI) : A-weighted impulse Sound Pressure Level in decibel  
dB(C) pk : C-weighted Peak Sound Pressure Level in decibel”

**Note** : The Noise standards for fire-crackers were notified by the Environment (Protection) (Second Amendment) Rules, 1999 vide G.S.R.682(E), dated the 5 th October, 1999 and subsequently amended by the Environment (Protection) Second Amendment Rules, 2006 vide G.S.R. 640(E), dated the 16 th October, 2006