



Definition of Green Crackers

1. Improved Fireworks/Firecrackers:

Fireworks/firecrackers made with reduction in size of shell, elimination of ash usage etc., reduced usage of raw materials in the compositions, of uniform acceptable quality, and/or use of additives as dust suppressants to reduce emissions with specific reference to particulate matter(PM*) [SO₂ and NO₂] leading to:

- a minimum of PM reduction of 30%
- a minimum of PM reduction of 20% and rest 10% of gaseous emission (mass of gases emitted based on composition) or more reduction of gaseous emission (mass of gases emitted based on composition)
- All of the above reduction shall be based on when compared with conventional composition for a given category of crackers/fireworks

2. New Formulation Fireworks/Firecrackers:

Fireworks/fire crackers having new and improved formulations (substitution and reduction of raw materials in composition) to reduce emissions with specific reference to particulate matter (PM*) [SO₂ and NO₂] as:

- a minimum of PM reduction of 30%
- a minimum of PM reduction of 20% and rest 10% of gaseous emission (mass of gases emitted based on composition)
- All of the above reduction shall be based on when compared with conventional composition for a given category of crackers/fireworks

*metals are subset of PM