

CSIR-NEERI's green firecrackers reduce emission by 30-50%, available in markets this Diwali

■ Staff Reporter

THIS Diwali, CSIR-NEERI has developed low-emission Green Firecrackers that reduce harmful emissions by 30-50% compared to conventional fireworks.

CSIR-NEERI's green firecrackers have been in use for last three or four years but this Diwali CSIR-NEERI reduced harmful emissions from 30% to 50% to keep atmospheric air healthy as compared to previous Diwalis.



These green firecrackers do not contain banned chemicals like barium, lead, arsenic or mercury. This invention also supports the small- and medium-scale fireworks industry, which

employs around 1.5 crore people in India.

Along with this, CSIR-NEERI provides formulations and test reports to registered fireworks manufacturers. Whereas, NEERI does not issue QR codes or scanning codes for green firecrackers, as it is the responsibility of manufacturers and verified by PESO and CPCB.

Under a public-private partnership, Raw materials, Compositions and Emissions (RACE) testing facilities at Nagpur and Sivakasi monitor emissions, raw material purity, and banned chemicals in fireworks. CSIR-NEERI continues research for further emission and noise reduction (125 dBA).