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Coal res seriously pollute the environment in several states of the world. Today most coal res are manmade and emerge from illegal or unprofessional mining activities. e most disastrous coal res of the world currently occur in China and India. In China the program "Big Step Forward" in the beginning of the 60's together with ine cient small scale mining is the main reason of the 750 coal res in China, where almost 200 m of excellent, near surface coal were burned in uncontrolled coal res. In India disregard of standards with regards to coal re prevention is the reason of the burning coal elds. e Jharia Coal eld in Jharkhand started burning in 1916 and burns this year for 100 years. General data on the volume of coal, which burns in Indian coal mine, are not available. In general, coal res start as result of unprofessional or illegal mining activities in open pits and uncontrolled, inactive coal mines by self-combustion of coal. Self-combustion is mainly controlled by the grain size of the coals, in other words the smaller the grain size the higher the risk of oxidation and subsequent temperature build-up. Many coal res burn underground with variable supply of oxygen. Hence, the coal does not burn completely like in power plants, but it smolders in the underground. Emissions from these smoldering res and an incomplete combustion of the coal create dust and greenhouse gases such as \$\times \times \time

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