



सत्यमेव जयते



भारत सरकार
Government of India
श्रम एवं रोजगार मंत्रालय
Ministry of Labour & Employment
खान सुरक्षा महानिदेशालय
Directorate General of Mines Safety



SAFETY ALERT: 5/2025

DHANBAD, DATED 29.01.2025

SUBJECT: Occurrence of Fatal Accident caused by Fire due to Oil and Gas leak from the Pressure Safety Valve (PSV) of a Heater Treater at GGS of a Production Oil Mine.

1. Name of the mine : ISOLATED PRODUCTION OIL MINE
Owner of the Mine : M/s. OIL AND NATURAL GAS CORPORATION LIMITED
2. District : Jorhat
3. State : Assam
4. Mineral : Oil and Gas
5. Date and time of the accident : 07.01.2025, 03:20PM (15:20 hrs)
6. Number of persons Killed : 01 (One)
Name: Rahul Datta
Designation: Superintending Engineer (Production)
Age: 38 years
7. Injured : NIL
8. Sketches showing the accident :



9. Brief Cause:
While calibration work of Pressure Safety Valve(PSV) fitted in a Heater treater was being carried out in the Heater Treater area of Group Gathering Station (GGS) of a Production Oil mine, a fire broke out due to sudden outflow of oil and gas from the open flange of Pressure Safety Valve (PSV) of the Heater Treater due to which a person working nearby got entrapped in the fire, resulting in severe burn injuries to which he succumbed therein.
10. Best Practices:
 - (i) Proper shutdown procedures which include Lock out and Tag out mechanism shall be strictly followed while working on any process equipment handling oil and gas.
 - (ii) Effective implementation of Work permit system starting from initiation of any job till it's completion, which also include following the Standard Operating Procedures & conducting Job Safety Analysis (JSA) for the comprehensive risk assessments to identify potential hazards and mitigation of the risks associated therein.
 - (iii) Strict supervision of any non-routine activities in which contractual workforce is involved.
 - (iv) Regularly training of all departmental as well as contractual employees on safety protocols, emergency procedures and specific hazards associated with the equipment they work with. This should include fire safety and response actions.
 - (v) Install reliable/sensitive Lower Explosive Limit (LEL) detection systems to monitor for oil and gas leakages and alert/warn the personnel immediately in the event of such hazardous situation.

*Safety Alert, a tool utilized by DGMS, informs the mining industry about potential safety issues and offers recommendations to prevent such accident/incident