



GOA, SONSODO : SOLID WASTE FIRE & SMOKE

Solid waste fire disasters are catastrophic to environment. Intense problems arise such as contaminated soil, water pollution and toxic fumes released into the atmosphere. Environmental pollution degrades life, thereby posing challenges to civic bodies, health department, environmental board, water management, government and the people; it has to be eliminated more effectively. It is in the interest of everyone to adopt **Achuk** to instantly arrest fire and smoke. **Achuk** makes life easy when fighting such catastrophic situations.

SOLUTION TO PROBLEM

On 4th June 2019, at Sonsodo, Goa; such problem persisted even when fire fighters struggled through a week long continuous efforts. Deep-seated fire continued to burn at 9 spots in the dump. It was not possible to adapt the earth-covering strategy used for the top of the solid waste site, because it was too steep. There was unrest in the civilians and the fire fighters were stationed to continue fire fighting. **Achuk** took the challenge for the remaining problems and the fire chief along with the fire fighting team permitted us to provide a demo of **Achuk** for these unsolved spots oozing smoke and fire. The sky was clear from smoke, fire was arrested at these spots bringing a stop to the angry agitation of the public. Ultimately at 5.30 pm, the fire station in charge, informed their chief that the issue has been resolved. To witness, the collector and mayor promptly visited to enjoy the cleared sky and thanked **Achuk**.

PREPARATION

Achuk was transported from Ahmedabad in dry form wrapped in double plastic packaging to the dump site by the Goa Fire and Emergency Services at Panjim, almost 1110 kms in 24 hrs. A total of 75 kgs of dry composition was added to the fire tender with 1750 liters water and recirculated by the fire tender pilot for 2 to 3 min to get a white milk-like composition. The firemen and **Achuk** were ready within 5 minutes on site.

DISPENSATION

A pit of about 8 inches diameter was made at the identified spots to allow **Achuk** to penetrate to the depth and eliminate fire. Alternately **Achuk** was sprayed as jet streams and sprinkled to put off some unreachable spots. This demonstrates the safe and easy adaption of **Achuk** with existing tools and techniques. Within minutes, the situation was under control with no re-ignite, demonstrating the powerful impact of **Achuk**.

CONCLUSION

It was possible for **Achuk** to curtail the fire and smoke instantaneously. The application started at 3:00 pm and within 2 hours all the 9 spots were resolved and the sky was blue and clear above the dump site. Observations from 30 meter height with TTL stationed at the rear side. Great Relief to fire department, city administration and people.