



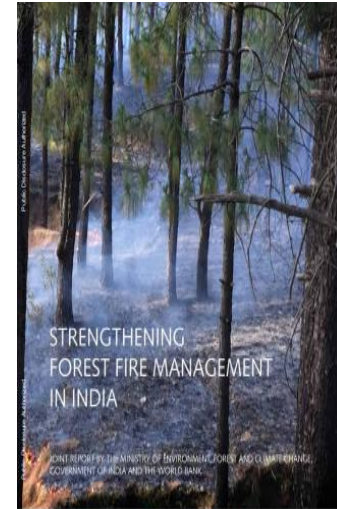
Capacity & Training Constraints In Responding To Forest Fires



JOINT ASSESSMENT REPORT -2018 (MoEF&CC & World Bank)



1. National guidelines issued by MoEF&CC on FFPM in 2000 - not being implemented.
2. Main constraints - community engagement, dedicated funding, public engagement, training, eqpt.
3. Prevention and mitigation - Fire lines created (1/2) Controlled burning (1/3)
4. Essential requirement – shortage of field staff, fire watchers, volunteers and local community
5. Need for standardization of functioning of SDMAs and SDMPs.
6. Innovations ? SOPS made by some States but less peer learning.





NDRF RESPONSE DURING FOREST FIRES

SN	State	Place	Duration	Teams deployed
1	Uttarakhand	Almora, Chamoli, Pauri	29.04.16 to 11.05.16	03
2	Rajasthan	Shikarbadi, Dist- Udaipur	28.03.17 to 30.03.17	02
3	Nagaland & Manipur	Dzukou Valley, Dist-Kohima (Nagaland) and Senapati (Manipur)	01.01.21 to 15.01.21	10
4	Arunachal Pradesh	Damruk Valley, Dist- Lower Dibang Valley	24.02.21 to 25.02.21	01
5	Uttar Pradesh	Vill- Patehta Siktahi, Teh- Madihan, Dist- Mirzapur	05.03.21 to 07.03.21	01
6	Nagaland	Sub Division- Chiephobozou, Dist- Kohima	26.03.21 to 27.03.21	01
7	Manipur	Shirui Peak, Dist- Ukhrul	27.03.21 to 31.03.21	01
8	Uttar Pradesh	Dramandganj, Teh- Lalganj, P.S-Halia, Dist-Mirzapur	02.04.21 to 05.04.21	01
9	Uttarakhand	Dist- Nainital, Champawat, Pauri Gadhwal, Tehri Garhwal, Chamoli, Bageshwer & Almora	04.04.21 to 29.04.21	07







Capacity & Training Constraints - Other organization



1. Lack of Cohesion & co-ordination amongst organizations.
2. Lack of implementation of documented policy.
3. Huge training load- Need to train community, SDRFs, other local organizations.
4. Training and equipping should be region, climate and terrain specific.
5. Lack of clear hierarchy and escalation of response.

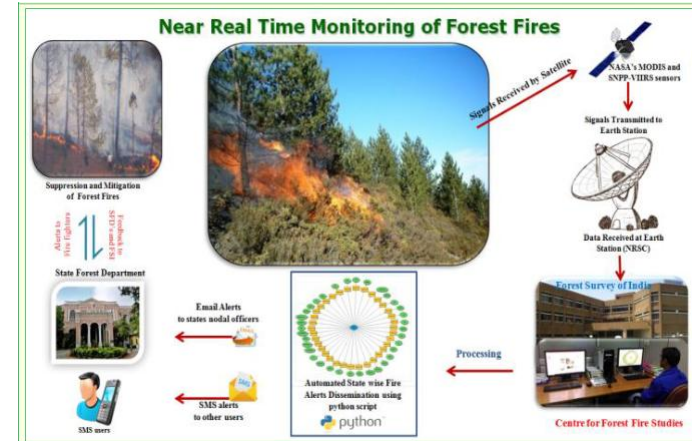




Capacity & Training Constraints - Other organization



6. Funding issues in Forest Fire management. Investment into capacity development v/s annual loss.
7. Regular drills & rehearsals among the stakeholders.
8. Lack of able bodied people in the community.
9. Community for early warning system.
10. Availability of firefighting equipment and protective clothing in the community.





Capacity & Training Constraints - NDRF



1. Lack of adequate training and equipment.
2. Requirement of dedicated forest fire teams
3. Could lead to lack of focus.
4. Forest fire season is the lean period for NDRF.
5. NDRF - specialized force but limited numbers



Capacity & Training Constraints - NDRF



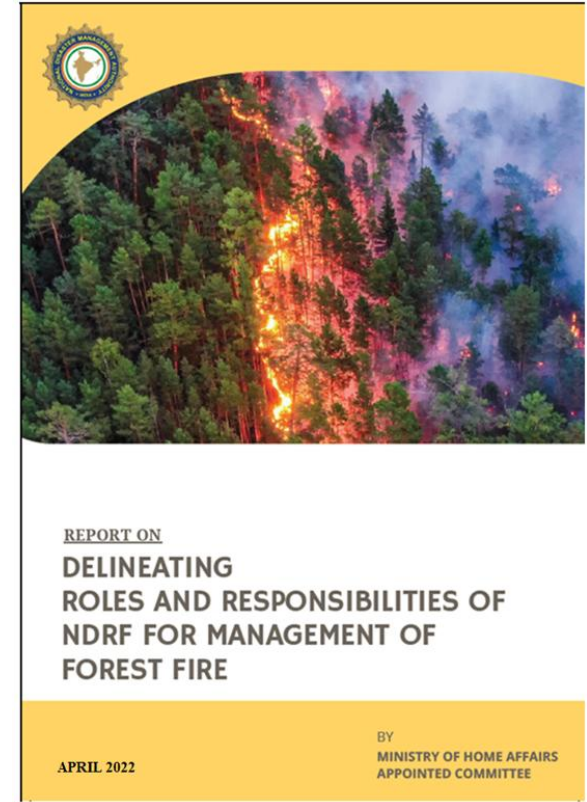
6. Clarity of role and threshold level for deployment required.
7. First responder- Community, Fire fighters then SDRF, then NDRF – simultaneous?
8. Concept of simultaneous response
9. Use of best practices worldwide– Air resources.
10. Extensive Mock drills- engagement of community & other stakeholders.





Expert Committee on Forest Fire

- Member (Ops) NDMA - Chairman
- DG NDRF - Member
- Fire Advisor, DG FS, CD & HG - Member
- IG Forest Protection, MoEF &CC - Member
- Director, FSI - Member
- Scientist, IMD - Member
- Director, FRI - Member





Proposed Role for NDRF




- Routine reinforcement / pre-emptive deployment not advisable for NDRF
- Insertion of NDRF only for specialized action e.g. aerial support and specialised equipment
- Identification of air nodes for pre-location of aircrafts during vulnerable season
- Participation during conduct of mock exercises, joint trg and FAMEx
- Formulation of SOP clearly delineating roles & responsibilities



Preparing NDRF for Forest Fire



1. Identification of Manpower –
 - a) Fully committed for mandated tasks
 - b) Additional manpower required
 - c) Proposed to induct 01 CISF Unit which has fire-fighting skills
2. Location of Teams - 18 teams to be placed in most vulnerable areas
3. Training Interventions
 - a) Devising training curriculum for individual & collective trg
 - b) Exposure through foreign experts and USDA Fire Service
4. Equipment Profile – Basic/Advanced Tools/Eqpt and Clothing 
5. Air Resources – Trg of NDRF personnel with IAF in use of MAFFS
6. Co-ordination – Planning of FAMEx/ Mock Ex under aegis of NDMA



Thank You...