

**NTCA FOREST FIRE AUDIT PROTOCOL – STATE COMPLIANCE TABLE | MAY 2026**

Tiger Reserve: \_\_\_\_\_ State: \_\_\_\_\_ Season: Fire Season 2026 Date: \_\_\_\_\_

#	Indicator	Measurement Basis (as per Protocol)	Poor (Score: 2.5)	Fair (Score: 5)	Good (Score: 7.5)	Very Good (Score: 10)	Score Assigned	Quantitative Evidence / Data (km / % / numbers etc.)	Remarks / Reasons (mandatory if Poor or Fair)
<b>A. PREVENTION AND PREPAREDNESS (11 indicators — Max Score: 110)</b>									
A1	Fire Lines	% of fire lines (km) as per TCP cleaned & maintained	Cleaning & maintenance not done	Up to 50% of TCP fire lines cleaned	51–80% of TCP fire lines cleaned	81–100% of TCP fire lines cleaned			
A2	Road Side Cleaning	% of road side area cleaned vs total fire prone area	No cleaning or ≤25% of fire prone roads cleaned	26–50% of fire prone roads cleaned	51–80% of fire prone roads cleaned	81–100% of fire prone roads cleaned			
A3	Controlled Burning	Area under controlled burning vs TCP prescribed extent	No controlled burning as per TCP	≤50% of TCP prescribed area burnt	50–80% of TCP prescribed area burnt	Controlled burning as prescribed in TCP			
A4	Early Warning & Fire Alert Systems	Status of FSI-FAST / State IT alert system integration	No early warning / alert system in place	Initial thoughts but not yet implemented	Fire alert systems in place but ad hoc	Fully implemented fire alert & early warning systems			
A5	Financial Resources	% of budgetary requirement for FFPM mobilised (CSS-PT, NAP, GIM, CAMPA etc.)	≤25% of FFPM budget available	26–50% of FFPM budget available	51–80% of FFPM budget available	81–100% of FFPM budget available			
A6	Firefighting Infrastructures	Type and availability of firefighting equipment	No infrastructure available	Only basic manual tools (axe, spade, rake, hoe, beater)	Manual + mechanised tools + dousing equipment	Above + safety gear, GPS, comm tools, dedicated vehicles			
A7	Water Availability	% of waterholes per TCP maintained; additional tanker availability	≤25% of TCP waterholes maintained	26–50% of TCP waterholes maintained	51–80% of TCP waterholes maintained	81–100% of TCP waterholes maintained			
A8	Ecological Assessment & Restoration (Pre-fire)	Mapping and planning for fire-prone ecological zones	No mapping of fire prone sites	Mapping done but not shared with all divisions/ranges/beats	Risk mapping done & shared with all stakeholders	Risk mapping + sensitivity analysis + spatio-temporal modelling			
A9	Mapping & Sensitivity Analysis	Fire hotspot mapping using slope, aspect, land cover, AI models etc.	No mapping of fire prone sites	Mapping done but not shared across divisions/ranges/beats	Risk mapping done & shared with all concerned stakeholders	Risk mapping + sensitivity analysis models for spatio-temporal patterns			
A10	Training & Capacity Building	% of forest staff trained in fire prevention & management	0–25% of staff trained	25–50% of staff trained (occasional training)	50–80% of staff trained (frequent training)	80–100% of staff trained (regular training)			
A11	Public Outreach & Awareness Raising	Frequency and regularity of fire awareness programmes	No awareness programme	Occasional awareness programme	Frequent awareness programme	Regular awareness programme at onset of every fire season			
<b>B. DETECTION (3 indicators — Max Score: 30)</b>									
B1	Satellite & Technology Based Detection Systems	Use of MODIS/VIIRS alerts, remote sensing, drone, PTZ cameras	No system in place	Initial thoughts not yet translated into action	Drones/PTZ cameras used but no satellite/remote sensing	Both satellite + remote sensing + technology used for detection			
B2	Ground Level Detection by Staff	% of forest watchers deployed vs approved/required strength	0–25% of watchers deployed	26–50% of watchers deployed	51–80% of watchers deployed	81–100% of watchers deployed			
B3	Infrastructures for Ground Level Detection	Number & condition of fire watch towers vs TCP approval	No fire watch tower	A few towers vs TCP — not all present	Towers as per TCP but not appropriately maintained	Well maintained network of fire watch towers as per TCP			
<b>C. SUPPRESSION (4 indicators — Max Score: 40)</b>									
C1	Human Resource Deployment	% of trained manpower deployed for suppression vs requirement	0–25% of trained manpower deployed	26–50% of trained manpower deployed	51–80% of trained manpower deployed	81–100% of trained manpower deployed			

C2	Fire Control Room	Status of fire control room at division level	No fire control room at division level	Proposed but not yet implemented	Present at division level but lacks infrastructure	Well-equipped fire control room at division level			
C3	Involvement of Local Communities	Level of engagement of JFMCs, EDCs, Van Panchayat in fire suppression	Local communities hostile and not involved	Some community members engaged on daily wage	JFMCs/EDCs/Van Panchayat members sporadically involved	Community members regularly engaged with incentives/awards			
C4	Coordination with Other Relevant Agencies	Coordination with NDMA, SDRF, Army, Police, Fire Dept etc.	No coordination	Occasional coordination	Frequent coordination	Regular coordination with all relevant agencies			

**D. POST-FIRE MANAGEMENT, ANALYSIS & MONITORING (2 indicators — Max Score: 20)**

D1	Collection of Data & Record Keeping Mechanism	Systematic data collection on fire incidents (location, date, cause, extent, damage, action) via field reports & M-STIPES	No systematic data collection or inventory	Ad hoc data collection and maintenance of inventory	Systematic data collection but no inventorisation	Systematic data collection with appropriate inventorisation			
D2	Ecological Assessment & Restoration (Post-fire)	Scientific ecological assessment and restoration planning post-fire (ICFRE, FSI, IIFM, FRI, IIRS etc.)	No ecological assessment or restoration post fire	Ad hoc ecological assessment but no restoration	Robust scientific ecological assessment but no restoration	Ecological restoration by forest dept based on scientific assessment			

↑ Enter score in Column H: type 2.5 (Poor) | 5 (Fair) | 7.5 (Good) | 10 (Very Good). Columns I & J are free-text fields for evidence and remarks.