

## 1. Customer & Supply Details

- **Customer:** Karnataka State Police – Office of the Additional Director General of Police (ADGP), Traffic & Road Safety
- **Supply Location:** Karnataka (distribution across all districts via the Traffic and Road Safety Department)
- **Product Model:** SBAA 02 Professional Breath Alcohol Analyzer
- **Quantity Supplied:** 750 Units
- **Supply Objective:** To strengthen the state-wide capability for detection and prevention of drunk driving incidents.



## 2. Product Overview & Key Features

- The SBAA 02 is Sanchar's advanced, portable breath alcohol testing device designed for high-accuracy, rapid response, and rugged field performance.

Key features include:

- Advanced Electrochemical Fuel Cell Sensor for precise BAC (Blood Alcohol Content) readings with minimal false positives.
- Fast Response & Recovery Times for continuous roadside checks without operational delays.
- Integrated Data Logging & Storage for digital tracking of test results, ensuring evidentiary compliance.
- Compact, Lightweight, and Ergonomic Design for ease of handling during on-field use.
- Long Battery Life and low power consumption for extended operations.
- Durability: Built to withstand extreme weather and heavy-duty field operation.

Quality assurance was ensured through multi-level pre-dispatch testing, calibration verification, and final quality certification before delivery.

## 3. Technical Implementation & Deployment

- Bulk delivery was made to Karnataka State Police Headquarters, where units were then allocated to district traffic divisions.
- **Comprehensive Training Program:** Conducted for traffic personnel covering:
  1. Accurate device operation and display reading
  2. Calibration procedures using certified test kits
  3. Troubleshooting and routine maintenance

## ■ Strategic Allocation:

1. Fixed and mobile checkpoints in cities and highways
  2. Highway patrolling units for accident-prone stretches
  3. Night and festival enforcement drives to target high-risk periods
- The digital record-keeping function allowed the police to submit reliable, tamper-proof test results in court cases, improving legal enforcement outcomes.

## 4. Operational Impact

- Enhanced Enforcement Capacity: Enabled large-scale, simultaneous roadside checks across urban and rural traffic zones.
- Accuracy & Reliability: Consistent, court-admissible results boosted case conviction rates against drunk driving offenders.
- Operational Efficiency: High-speed testing reduced roadside waiting times and minimized traffic disruption during checks.
- Public Safety Impact: Contributed to lowering DUI-related accidents in high-risk areas, particularly during festival seasons and night hours.
- Coverage Achievement: Presence achieved at more than 150 high-traffic junctions & key event sites simultaneously.

## 5. After-Sales Service & Performance Feedback

- Sanchar maintained a dedicated service support framework — including 24×7 hotline, on-site servicing, and routine calibration visits.
- Zero Complaints During Warranty Period: Reflecting robust product reliability and manufacturing quality.
  - o User Appreciation: Police personnel reported:
    - o Very high accuracy and consistency even under heavy use
    - o Portability and ergonomic grip for long patrol hours
    - o Quick testing cycle improving enforcement productivity
    - o Low maintenance with minimal downtime

## 6. Advantages Delivered to the Customer

- Operational Readiness: Enabled the Karnataka State Police to respond rapidly to drunk driving violations.
- Evidence Integrity: Data logging and secure test result storage improved legal case follow-through.
- Cost Efficiency: Minimal maintenance requirements lowered operational costs over the product lifetime.
- Public Trust: High-quality, unbiased testing led to greater community confidence in enforcement fairness.
- Long-Term Usability: Rugged construction and long battery life ensured suitability for prolonged field use in diverse environments.

## Conclusion:

*The deployment of 750 SBAA 02 Breath Alcohol Analyzers has significantly enhanced Karnataka's drunk-driving detection, enforcement efficiency, and road safety outcomes. The combination of cutting-edge technology, uncompromising product quality, and reliable after-sales support underlines Sanchar's position as a trusted partner for law enforcement agencies nationwide.*