



Case Study

Our Achievements

- ➔ Biometric Solution Provider (BSP) and Biometric Subject Matter Expert (BSME) for India's UID project
1.2 Billion Residents
- ➔ The world's first large scale unique citizen ID database for Andhra Pradesh PDS project
90 Million Residents
- ➔ The world's first multi-biometric citizen ID project for United Nations World Food Programme (UNWFP) in Orissa
1 Million Residents
- ➔ The world's fastest de-duplication project for AP ration cards
6.2 Quadrillion matches in a record time of 60 days
- ➔ The world's largest corporate ID system for one of India's leading petrochemical conglomerate
430,000 Employees
- ➔ India's second largest enrolment agency for Aadhaar project
12 Million Residents

World's Largest Coastal ID Background

NPR is a comprehensive identity database to be maintained by the Registrar General and Census Commissioner India, Ministry of Home Affairs, Government of India (RGI). RGI has taken up the task of providing Multipurpose Biometric Based Coastal Identity Cards to people living along the India's coastline to strengthen the coastline security.

The project was taken up by the Consortium of Public Sector Undertakings (CPSUs) consisting of Bharat Electronics Limited (BEL), Electronic Corporation of India Limited (ECIL) and ITI Limited (ITI) in 9 Coastal States. The project covers about 7517 kms, 12 million people living along the coastline of 9 states and 4 Union Territories.



Union home minister P. Chidambaram launching the distribution of resident identity card under coastal NPR (national population register) project at Pattipulam village in Kancheepuram district.

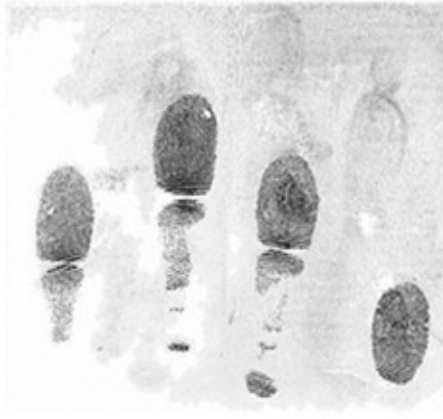
Solution Highlights

4Gid provided the following biometric components

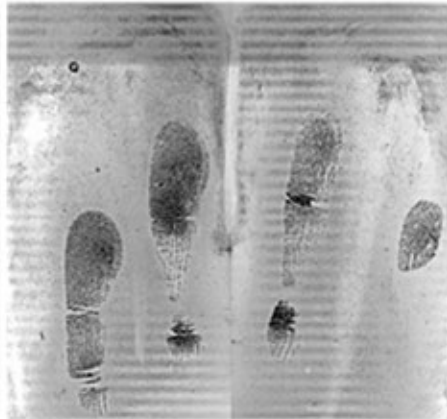
- ➔ Provides the Fingerprint Live Scan System for the Coastal ID project of India
- ➔ Provides Noise Removal Algorithms for improving the accuracy of the Biometric System

In coastal areas in India especially there is lot of moisture and humidity present in the air and also there is lot of sand and dust present in the coastal regions. For biometric devices to work to precision in this kind of harsh and rugged environment conditions is a major challenge which has been addressed by 4Gid. Also the people who live around the coastline are mostly fishermen who go into the sea for livelihood and they do many tough things with hands which affect their fingerprints. 4Gid has provided its inhouse noise removal algorithms which remove the noise in the finger print images captured and improves the accuracy of the biometric system.

World's Largest Coastal ID



Fingerprint scanned with Noise and ghost images



Fingerprint scanned with Noise, ghost images and also improper calibration of the device



Impact

Governments

- ➔ Positive Identification of residents living in Coastal Areas
- ➔ Strengthen the security of Coastline

Residents

- ➔ Safe and Secure environment

Industry

- ➔ Applicability of biometric technologies to secure the borders
- ➔ Making the fingerprint technologies work in harsh and extreme humid conditions

About Us

4G Identity Solutions Private Limited (4Gid) is a Pioneer (since 2001) & Global leader in providing large scale Identity Management Solutions using biometrics. 4Gid specializes as an End-to-End Identity Management Solutions provider & System Integrator in Civil ID, Homeland Security & Law Enforcement for Government, Corporate, Banking and Defence sectors.

4Gid has re-defined ID Management business space by providing thought leadership and proof of concepts that led to the world's largest ID programmes. 4Gid has executed many of the world's first large scale Identity Management Solutions for federal governments, multilateral agencies and top notch Corporates, and is currently delivering the world's biggest Civil ID Project – India's Unique ID / Aadhaar.