

## **Statement of Work for Fingerprint Deduplication Work at the District Level**

### **Introduction**

As part of the activities of providing insurance coverage under the Kalaingar Insurance Scheme for Life Saving Treatments, an exercise of enrollment of the biometric details (viz fingerprint) was conducted and subsequently cards were issued for establishing identity.

In this regard, a process of doing biometric deduplication is envisaged by the government and this tender is to request technical and commercial bids from qualified vendors for the same.

### **Statement of Work**

The work required to be done under this exercise are as follows:

- An individual's fingerprint needs to be matched with all other individuals at the district level and duplicates need to be found.
- Gender, age and other individual information may not be used to modify the target set.
- The filters to be used for the matching of the minutia needs to result in a 95% accuracy.
- The exercise needs to be completed within 1 month from the date of purchase order.
- Hardware shall be provided by the service provider and shall not be provided by Star.
- Two rounds of matching shall be done. The first round is the matching to be done across the entire set of district population. The matches found in the first round shall alone be matched again using a tighter filter so that it is confirmed to be duplicates.

Some important information on the data and scale of operations are:

- Fingerprints of two fingers are available for each individual under this scheme.
- The fingerprint information is available in ISO-1979 format.
- Approximate size of a district population is about 20 lakh individuals.
- The data will be provided in the following format:
  - Unique reference number of an individual (Globally unique identifier)
  - Fingerprint information in 512 byte format

### **Output**

A list of duplicate biometrics shall be arrived at in the first round. This shall be submitted as Round-I matches. The second round stricter matching output shall be submitted separately as Round-II matches.

The output of both rounds shall be a table with 2 columns containing the “Original Individual Reference Number” and the “Matched Reference Number”.

### **Qualification**

IT service providers with experience in having done such fingerprint deduplication activity at similar scales are only invited to participate.

## Tender Procudure

Technical and Commecials bids are required to be submitted in separate envelopes marking them specifically as TECHNICAL BID/COMMERCIAL BID, before 5:00pm on 16.04.2010. A pre-bid meeting is scheduled on the 9<sup>th</sup> April, 2010 at 11:00AM, at our Corporate Office, 1, New Tank Street, Valluvar Kottam High Road, Nungambakkam, Chennai - 600 034.

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