



**Government of Andhra Pradesh  
Consumer Affairs, Food & Civil Supplies Department.**

**Expression of Interest for empanelment of bidders to undertake the  
De-Duplication of Iris Ration cards data**

The Food & Civil Supplies Department, Government of Andhra Pradesh, India issues this Expression of Interest to submit proposals to design, process, and find the duplicate records in the Civil Supplies Ration Card Database based on IRIS images & Codes. The response made by the firm having expertise in the said area shall be in the format specified.

Respondents, who submit an Expression of Interest, would be empanelled for issuance of RFP at the sole and absolute discretion of the committee constituted with members from above Department, IT&C Department, and external & internal technical experts. The committee will then invite the empanelled bidders to submit their detailed proposals in response to a comprehensive request for Proposal (RFP) to be issued on behalf of the Government of Andhra Pradesh (GoAP).

For further details please visit

[www.apcivilsupplies.gov.in](http://www.apcivilsupplies.gov.in)

[www.aponline.gov.in](http://www.aponline.gov.in)

Expression of Interest on or before: 08-12-2008. by 3.00 P.M

Commissioner of Civil Supplies  
A.P. Hyderabad

# Government of Andhra Pradesh

## Expression of Interest for empanelment of bidders to undertake the De-Duplication of Iris Ration cards data

- 1 Introduction:** Food & Civil Supplies Department, Government of Andhra Pradesh, India, is issuing this Expressions of Interest to participate in a competitive process to receive RFP to submit proposals to design, process, and find the duplicate records in the civil supplies ration card database. The response to this request must be made by the date indicated in the document to empanel your firm, to qualify and to receive the formal RFP. The response to this EoI shall be in the format specified only, the response in any other format will not be considered for empanelment.

Respondents, who submit an Expression of Interest, may be empanelled at the sole and absolute discretion of committee constituted with members from Food & Civil Supplies Department, IT&C Department, Government of Andhra Pradesh, and external & internal technical experts. The committee will then invite the empanelled bidders to submit their detailed proposals in response to a comprehensive Request for Proposal (RFP) to be issued on behalf of the Government of Andhra Pradesh (GoAP).

- 2 Background & Preamble:** The **GoAP** used Iris based biometric Technology for identification of unique citizen for issue of ration cards, used in public distribution system. The ration cards were issued in the year 2005-06, 2006-07, 2007-08 using Designated Photography Locations (DPL) in a distributed model.

2.1 The application was developed in client/server architecture using Oracle as backend, Visual Basic and other tools. The Iris technology provider for the project is LG Electronics Inc, USA. The LG Software Development Tool Kit (SDK) was integrated in to the application for unique identification of citizen when approached the centre for issue of card.

2.2 The Iris based ration card were issued through out the state of Andhra Pradesh using around 1800 DPLs. The iris of the citizen was captured along with the family photo and other social details. The DPL Software Developed by Govt. of AP can identify the duplicates within the DPL based on Iris. However there might be the possibility that some of the citizens might have taken Ration cards from the other DPLs functioning across the state of Andhra Pradesh.

2.3 The data collected at DPLs was merged (Aggregated) in to district database. The data was further merged (Aggregated) in to single state database. The merging process has not been examined the duplicate data with respect to citizen (name, location, Iris code etc). There is a possibility of citizen having registered in multiple Ration cards. The citizen may also have multiple records in the database.

- 3 Objective of the project:** The objective of Government of Andhra Pradesh is to find out such duplicate members or cards based on biometric (Iris Technology) captured at the time of issue of the cards for unique identification of citizen.

3.1 The phasing of the project may be - in the first phase de-duplication within a district. In the second phase de-duplicate zone wise. In the third phase de-duplication for entire state data. Government of AP has not yet decided the phasing of the project and the model of the

processing. To save the time the process of empanelment of the bidders specific to this project, the expression of Interest is called for.

#### **4 The scope of the work:**

##### **4.1 Work Description:**

- Depending on the model & phasing decided by GoAP, the bidder has to carryout De-duplication of database. The estimated Iris codes in entire state are about 100 Millions. The estimated range of Iris codes is about 3 Millions to 7 Millions in each district, depending upon size of the District.
- Generation of clean database of Iris Code, Data base of duplicate Iris records, software for generation of duplicate Iris/Cards report and other Reports required by GoAP.
- Software for issue of new cards based on Iris code verification across entire data base.
- The responsibility of the bidder will be to arrange required Hardware, Power supply, Backup, Manpower and Application Software to carry out the project.
- Hand over the deliverables on completion of the project as defined in the RFP.

**5 Bid Process:** GoAP will prepare separate RFP and the bidders empanelled through this EoI will be provided with RFP and test dataset. The bidder has to process the test data using their own / respective software like Iris algorithms, database software tools etc and complete the process within the indicated time frame and achieve at least minimum level of accuracy. Firms which pass the test data process will be qualified for opening of commercial bid.

5.1 RFP will be issued to empanelled bidders only.

**5.2** Knowing that previously Iris Technology is not used in such a huge public database, a POCI is being done to bench mark the processing capabilities of the various algorithms being used in the market. Based on POCI results, the actual processing capabilities of the algorithms on a given configuration will be identified. The Bench Mark for a given dataset are (1) Bench Mark Duplicates (BMD) and Bench Mark Duplicate Time (BMDT). The maximum duplicates identified by any Firm in the given test data set will be called as BMD. Minimum time taken by any firm to complete the process for the given test data set will be called as BMDT.

**5.3 *Bench Marks: Firms with Duplicate identification in the given test data set less than 98% of BMD or Firms which takes more than 110% of BMTD will be disqualified at technical stage***

5.4 The bidders with in the technical range defined for BMD and BMDT in the RFP will be treated responsive. The bidder will be selected based on lowest financial bid model among the technically responsive bidders.

5.5 **POCI process:** All empanelled firms will be provided with One Server and One PC each of similar configurations with OS and RDBMS loaded at Civil Supply Data Centre.

5.5.1 Firms will also be provided with one test dataset (one district data).

5.5.2 Each Firm has to load its own application in the server allotted to it for identifying duplicate records

- 5.5.3 Firm will upload data into temporary directory of Server or PC as per choice of Firm. System will transfer IRIS data to permanent directory in Server record by record with validation that NO DUPLICATE record based on Iris Code goes to Permanent directory.
- 5.5.4 Any duplicate record found shall be flagged in Temporary directory and also Record number/ Card Number of original record shall also be entered against such duplicate record.
- 5.5.5 On completion of process the firm shall provide
- 5.5.6 Clean data and Duplicate records in Digital media
- 5.5.7 Application for printing duplicate records and arrange printing of the duplicate records. However department will arrange Printer, Consumables including stationary for printing the Duplicate Records and other reports.
- 5.5.8 Software with unlimited and perpetual user license to issue new ration cards based on Iris Code verification across entire data base of the state.

**6 EoI & Project schedule (Timing):**The following is the *indicative* dates that will be followed:

■ Call for EoI	-	25.11.08
■ Responses to EoI	-	08.12.08
■ RFP Release to (empanelled Bidders only)	-	11.12.08
■ Pre Bid meeting	-	12.12.08
■ Release of Pre Bid meeting minutes	-	14.12.08
■ Last date for submission of Bid	-	21.12.08
■ <i>Issue of test data for POCI to bidders</i>	-	<b>23.12.08</b>

**7 Contact Person:**

All communications or enquiries must be made by e-mail, in writing or by facsimile to the Contact Person:

To  
**The Commissioner**  
**Civil Supplies Department**  
**Civil Supplies Bhavan**  
**Somajiguda, Hyderabad – 500 082**  
**India**

e-mail : [commr\\_cs@ap.gov.in](mailto:commr_cs@ap.gov.in) , [apccs@ap.nic.in](mailto:apccs@ap.nic.in)

Ph : 040-23310462

Fax : 040- 23318456

**8** Support documents to be submitted in response to this EoI to empanel are:

- Details of required infrastructure like Servers, Sufficient storage, backup process and media, retrieval and processing capabilities for de-duplication of Iris database.

- Experience details in processing Iris Data. Details of at least one project based on Iris Technology executed by the bidder.
- The company registration details (in India or abroad).
- Details registered Office or Branch Office in India
- Financial strength of the company

**9 EMD:** To empanel only serious Bidders, bidders are requested to submit an Earnest Money Deposit of Rs. 50,000/- in form of BG from any nationalized bank having at least one branch in Hyderabad valid till 31-03-2009, in the name of contact officer indicated above along with his proposal to this EOI. (The EMD is collected at EoI stage to discourage the non-serious bidders).

**10 Due date, time & venue:** Interested parties are requested to submit proposals on or before 5.00 PM, of the date indicated above at the address of contact person. Late submissions will not be considered and returned un-opened

**10.1** The bidder has to submit 2 copies of his proposal subscribing “Original” and “Duplicate” on the right hand side top corner.

**11 Form for Expression of Interest:**

**To,**

The Commissioner  
Civil Supplies Department  
Civil Supplies Bhavan  
Somajiguda, Hyderabad – 500 0xx  
India  
Email: commr\_cs@ap.gov.in  
Fax : +91 40 23318456

**Sir,**

**Sub:** Response to the EoI issued by Civil Supplies Department to find the duplicate records in the Ration Card data – **Reg**

**Ref:** EoI dated ..... Called by Civil Supplies Department to find the duplicate records in the Ration Card data

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The undersigned has carefully read and understands the requirement of EoI and has full right and authorities to submit this proposal. It acknowledges that to receive the RFP, it may be required to execute a confidentiality undertaking.

Name of Company

Authorized Signatory

Name of Individual

## FORM NO.I

### GENERAL CONTACT INFORMATION

1.	Name of the bidders Company / Firm	:	
2.	Address	:	
3.	Telephone Number(s)	:	Phone: Fax:
4.	Email	:	
5.	Web-Site	:	
6.	Legal Status	:	Public Ltd Company / Private / Partnership firm
7.	Date of Establishment	:	
8.	Quality Certifications attained by the firm	:	
9.	Name of the Contact Person Details for future correspondence Name: e-mail: Phone:	:	
10.	EMD details	:	Name of the Bank: Rs: EMD Valid up to :
11.	Business Area	:	

Place:

Date :

Bidder's signature  
and seal.

## FORM No.II

### Turnover of the Bidder

	Item	2005-06	2006-07	2007-08
1	IT (HW/SW/ Networking/ ISP services			
2	Bio-metric (Iris) based services			
3	Data Processing / IT Enabled Services			
4	Other Related (Specify) services			
	<b>TOTAL</b>			

**FORM No III**

**IT Professionals employed on 30-11-2008**

<b>SNo</b>	<b>Description</b>	<b>Top Executives</b>	<b>Middle level Executives</b>	<b>Field Level Executives</b>
<b>1</b>	IT (HW/SW/ Networking/ ISP services			
<b>2</b>	Bio-metric (Iris) Services			
<b>3</b>	Data Processing / IT Enabled Services			
<b>4</b>	Other Related (Specify) services			
	<b>TOTAL</b>			

**FORM No IV**

**Business Experience & Track Record in last 3 years (2005-06, 2006-07 and 2007-08) handling - Bio-metric (Iris) Services**

<b>Sno</b>	<b>Name of Project</b>	<b>Name of the Client</b>	<b>Project Period</b>	<b>Value in INR</b>	<b>Brief description of the project</b>
<b>1</b>					
<b>2</b>					

**FORM No V**

**Infrastructure available with the Bidder as on 30-11-2008**

<b>S.No.</b>	<b>Description</b>	<b>Configuration/ Details</b>	<b>Number items available</b>
<b>1.</b>	Servers		
<b>2.</b>	Desktops		
<b>3.</b>	Scanners		
<b>4.</b>	Printers		
<b>5.</b>	Backup Devices		
<b>6.</b>	System Software: source of Iris SDK		

**Place:**

**Bidder's signature**

**Date :**

**and seal.**

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**End of EoI**

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