

**Expression of Interest (EOI)**  
**For**  
**Enterprise Resource Planning (ERP)**

5<sup>th</sup> May, 2017

**Centre for Development Of Imaging Technology, C-DIT**

Chithranjali Hills, Thiruvallom

Thiruvannathapuram – 695027

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## INVITATION FOR EXPRESSION OF INTEREST

No. CDIT/5/EOI-RTC/003/17-18      Dated 05.05.2017

Centre for Development Of Imaging Technology (C-DIT) invites sealed Expression of Interest (EOI) from Firms/companies/ institutes/ organisations/ agencies for Providing OPEN Enterprise resource planning (ERP) solutions.

The EOI Document containing the details of qualification criteria, submission requirement, brief objective & scope of work and evaluation criteria etc. can be downloaded from the website [www.cdit.org](http://www.cdit.org).

Last date for submission of EOI is on or before **10th May, 2017**.

Sealed envelope marked to the captioned address given below mentioning "EOI for Enterprise Resource Planning (ERP)" on the top cover

"The Registrar, Centre for Development of Imaging Technology (C-DIT), Chithranjali Hills, Thiruvallom PO, Thiruvananthapuram, Kerala -695027"

Sd-  
**Registrar, C-DIT**

**Note:** C-DIT or any of its designates reserves the right to cancel this request for EOI and/or invite a fresh with or without amendments, without liability or any obligation for such request for EOI and without assigning any reason. Information provided at this stage is indicative and CDIT reserves the right to amend/add further details in the EOI.

**Engagement of Firms/organizations/Institutions for providing solutions on  
Passenger Information System**

EOI is invited from reputed agencies / organizations / institutions for providing solutions on "OPEN Enterprise Resource Planning (ERP)" on outright sale or on a royalty basis for one the projects to be undertaken and implemented by C-DIT. The objectives and technical requirements are given below:-

1. The Open ERP – Odoo solution is part of the Road Transport Corporation automation project covering
  - a. Finance and Accounting
  - b. Materials and inventory management
  - c. Asset and maintenance management
  - d. Real estate management
  - e. Fleet management covering Human Resource
2. The vendor shall be an Odoo – reseller – community partner authorised for providing licensed enterprise solution and co-develop them for custom requirements in the community model, cloud hosted software service and enterprise software mode as the situation demands.
  - a. The Odoo components shall confirm to the open ERP architecture and shall potential use Object Relation mapping technology over the database
3. The solution shall integrate with the MIS, GIS-Analytics, Vehicle tracking system and passenger information system being developed by C-DIT
4. The details specifications of the ERP are provided as Annexure.
5. The vendor should be ready to work with a per month development charge basis on targets specified by C-DIT.
6. All expenses including license charges shall be explicitly stated.

### Enterprise resource Planning (ERP) System

Bidder need to do a study on KSRTC's existing work flows and system processes, and propose a detailed techno commercial proposal for the implementation of Enterprise resource planning software for KSRTC .

As per our internal discussions, we would like to implement the below modules (Enclosed as annexure A) of ERP for KSRTC . Please do a study on it and suggest necessary additional modules along with required business processes reengineering for KSRTC.

#### a. Finance and accounting

Finance and accounting module will be incorporating a centralized process covering the end to end accounting requirements of KSRTC from Depots to the head office. The functionalities covered under these modules will be-

- Accurate and complete accounting data
- All business transaction records (primary postings, internal accounting settlements) completely integrated with other operational areas
- Automated AR and AP reconciliation with single enterprise-wide G/L
- Automated financial statement generation for regulatory compliance
- Automated parallel-ledger, profit-center/ cost-center/ project accounting
- Centralized financial planning and budgeting based on enterprise data b. ERP

#### Materials and inventory management

KSRTC has over 28 main depots, 45 sub-depots and 19 operating centres spread across the length and breadth of the state. The system Workshops run out of critical spare parts which leads to shutdown of bus bodybuilding units. KSRTC with over a 5000 number of busses as part of its fleet also carries a Very high inventory carrying cost and due to a lengthy tendering process KSRTC is compelled to maintain minimum stock - which includes high value items - for a period of 5 to 6 months across all depots. To address these concerns and also to reduce the operational costs of KSRTC we propose an ERP materials and inventory management module with the following features.

- Complete visibility into stock levels by category across stores
- Automated and accurate weighted avg. valuation for stock
- Data-driven forecasting including seasonal variations and prior requisition status
- Safety-stock based re-ordering

#### c. ERP Asset and Maintenance Management

- KSRTC in its possession has a large number of assets which includes, land buildings, fleet etc. To keep track of all assets owned and operated by KSRTC

and also the status of such assets keeping track of all expenses incurred by these assets

- Robust analytics support to track break-down frequency, stores consumption, work-order execution schedule, wrench-time, costs by category
- Single central repository for drawing with version control and streamlined role-based access

d. Real Estate Property Management

KSRTC has a large number of assets, generating revenue through leases and rent. The proposed ERP will automate the functionality necessary for the property management.



The proposed functionality include ○

Contract Management

- Contract Renewal
- Notice on Contract (Call Notices) ○

Tenant Changeover

- Rental Accounting ○

Rent collection

- Invoice processing
- Payment transactions ○

Sales-Based Rents

- Service Charge Settlement
- Meter Reading for Billing

e. Fleet management

Fleet management system will act as the key module for KSRTC managing over 6000 buses and over 5500 schedules holistically bringing in the entire asset range integrating all technologies currently in use and the data into a single dashboard enabling the management in making informed and conscious decisions.

- Maintenance and rework
- Production or Body building
- Procurement
- Inventory
- Human resources
- Rental
- E-procurement
- Projects
- Analytics and reporting