CASE STUDY OF E-KHAZANA :

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Introduction

In tune with the policy initiative taken up by the Government of Andhra Pradesh for effective utilization of Information Technology as part of e-Governance project, National Informatics Centre, Hyderabad has taken up online computerization for the its Districts Treasury (DTO), Sub Treasury (STO) and Pay and Accounts Offices (PAO) Offices in 330 locations across the state.

E-Khazana is an online application that takes care of entry level validation and budget control and pre-audit rules at Auditor level and finally for issue of cheque/pass order at passing level.

It is an intranet applications that works on linux/Windows platform with backend as postages SQL 7.3 and front-end is PHP 4.1 (Hypertext Pre Processor).

The Treasury System in AP

Director of Treasury and Accounts (DTA) is the administrative head of treasuries and accounts department.

STO (Sub Treasury) office is responsible for compiling all the payments through DDOs and receipts through challans. This data is sent to DTO (Districts Treasury) on a daily basis. They also send pensioner details and class IV GPE details to DTO on a monthly basis. There are around 300 STO offices at the sub-district level in the state.

DTOs in turn compile all the accounts (Payments and Receipts) processed throught its associated Sub Treasury Office (STO) and are located at the District Headquarters. They are also responsible for sending reports to AG office and DTA. DTO offices in the state are located at 23 District Headquarters.

Office of the Directorate of Treasury and Accounts(DTA) is responsible for the compilation of all payments and Receipts processed through DTO on daily basis and sending sports to Finance dept. (Budget section), CM's office, and to others Head of Department(HoD's).
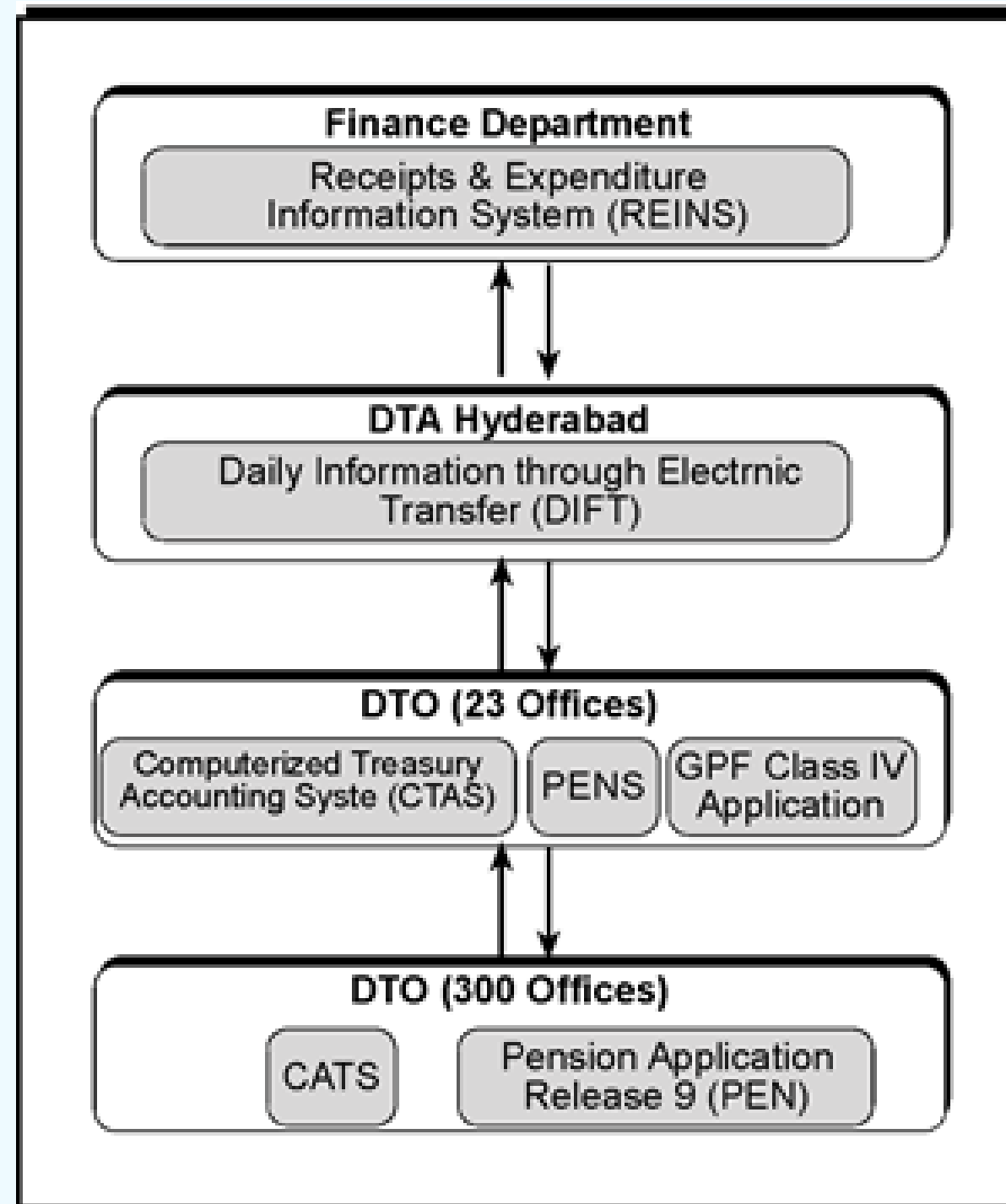
fig: hierarchy of offices in treasuries department

Introduction to Functions of treasury

Functions of treasury are broadly classified as:
- Treasury functions
- Accounting functions

Treasury functions

These functions can be summarized as follows:

- Receipts and payments made either by cash (bills or cheques) adjustments(bills or cheques)
- Conducting Government's financial transactions as payment of salaries,other payments like rents, loans and advance, receipts of government revenue etc.
- Conducting or cash transactions through non-banking treasuries and banks.
- Payment of pensions
- Reconciliation of the valuable articles such as election boxes, examination papers, department cash chest treasuries trove, and the like.
- Maintenance of GDF account of last grade employees
- Maintenance of Employees Welfare Fund Account of employees

Accounting functions

Accounting Functions include the following:

- Rendering financial advice to head of the department

- Preparation of budget estimates of the respective departments

- Maintenance of departmental accounts in the respective departments

- Reconciliations of the receipts and expenditure of the department

- processing of the pension cases of the respective departments

- Internal audit of the Department unit offices and follow-up action for settlement of the audit objections

System overview

Budget Authorization:

The DTA(Directorate of Treasury and Accounts), after exercising check on Distribution Statements furnished by HoD's with reference to Budget Releasing Orders (BRO) and Budget Estimates(BE) approved by the assembly, issues authorization to the DTO's concerned for Budget distribution made by the HoD.

Redistribution:

At any district, the subordinate controlling officer or the Head of the district, further distributes the budget down the line to each Drawing officer and sends a copy of this budget distribution statement to the DTO.

Acceptance of receipts:

Receipts that benefit the exchequer are remitted through an instrument called challan. This challan form is used for all sorts of receipts like tax revenue or fe ro be paid or recovery.

Honouring of claims against government:

Treasuries honour the claims after examining the admissibility(quality of being acceptable) of the claim, financial powers of the drawing officer, anction order required, the genuinesness of the claim etc. besides availability of the budget. After through examination of the claim presented by the DDOs , the bill is pased or the Billl is returned when it is not in order duly quoting the authority for its return.

Verification and certification of bank scrolls:

Bank scrolls received together with the paid vouchers, cheques, or challans, are verified on a daily and monthly basis are arrived at and certified before finalization of the daily/monthly accounts by the treasuries.

Rendering of daily and monthly accounts:

for any receipts and payments for the day, every branch ends both challan's and the paid voucher's list to the concerned treasury. Each day, STO sends statements of receipts and payments to the DTO, who takes into accounts the receipts and the payments in the District and Accounts rendered by it's sub-offices. DTO prepares daily accounts and submit to the DTA. DTA in turn furnishes the consolidated daily figures to the government.

Reports geneated by treasuries and accounts department

- Classified Accounts to AG-STO/DTO level
- GO No. 507-STO/DTO/RJD/DTA/PPO/APPO
- PMES-TODTO/RJD/DTA/PPO/APPO
- Daily figure-STO/DTO/DTA
- Receipts and Payment Reconciliation-DDO-HOA wise
- Pension/strong room stamps
- Budget vs. Expenditure -DDO wise and object headwise
- Non-Banking sub treasuries
- Class IV GPF/EWF
- Deposits Accounts and Go No. 43
- User charges
- employee census
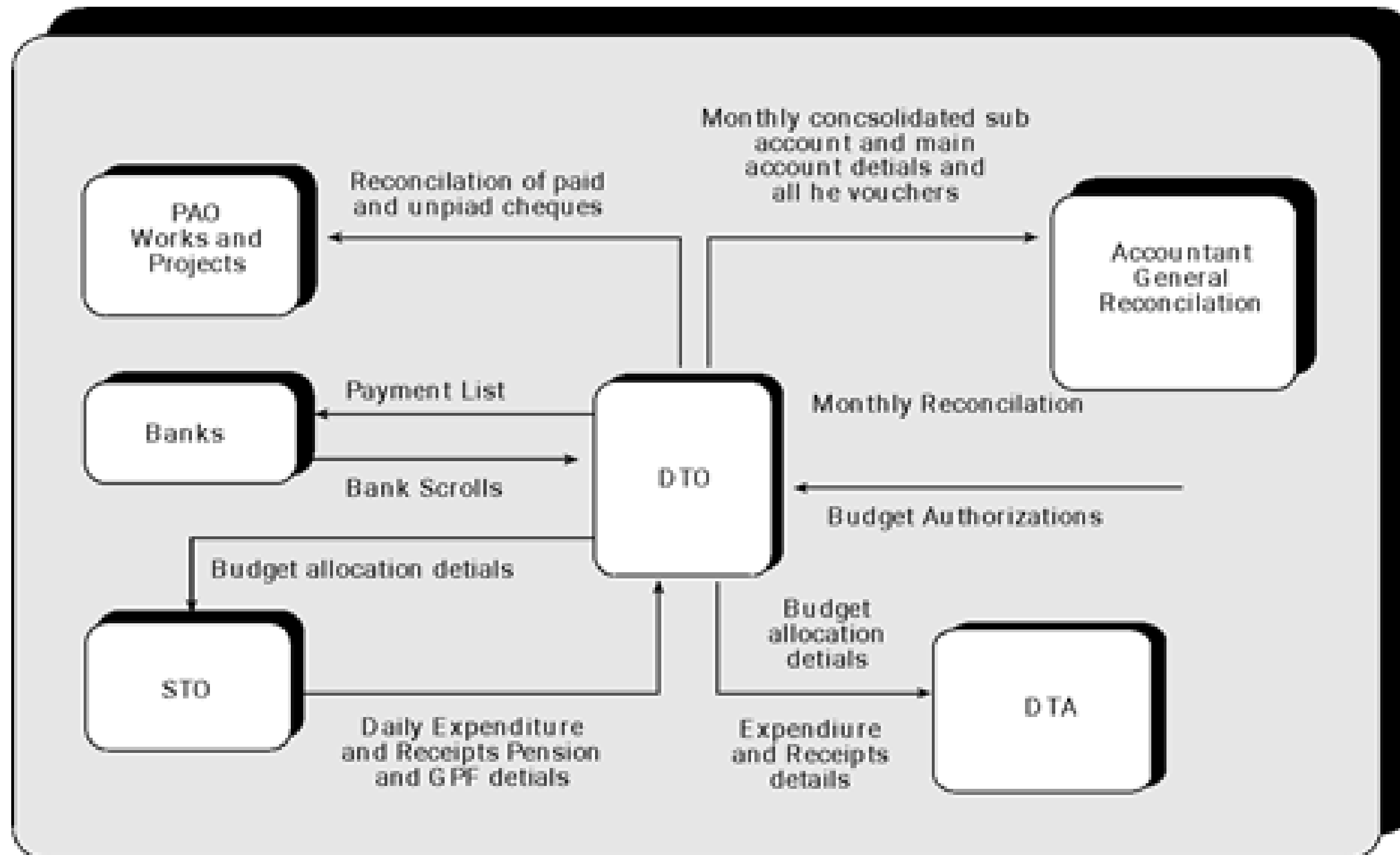- Any other report required with available data

Context Diagrams

The context diagram for Treasuries is depicted here as in the figure to show the system level context diagrams.

Overview of District Treasury Office Functions

Figure presents an overview of the DTO functions:

Functions of E-khazana

National Informatics centre, Hyderabad has developed Treasury application e-Khazana, an advanced , itegrated software package with the followung features:

Outline of the functions of E-Khazana

The functions of e-Khazana are :
- Token issuing
- Budget verification and monitoring
- DDO/HOA access verification
- Bill auditing
- Pay order generation
- Bank list prcessing
- Bill status
- Daily and monthly reports generation
- Reports on receipt and expenditure status at any point of time
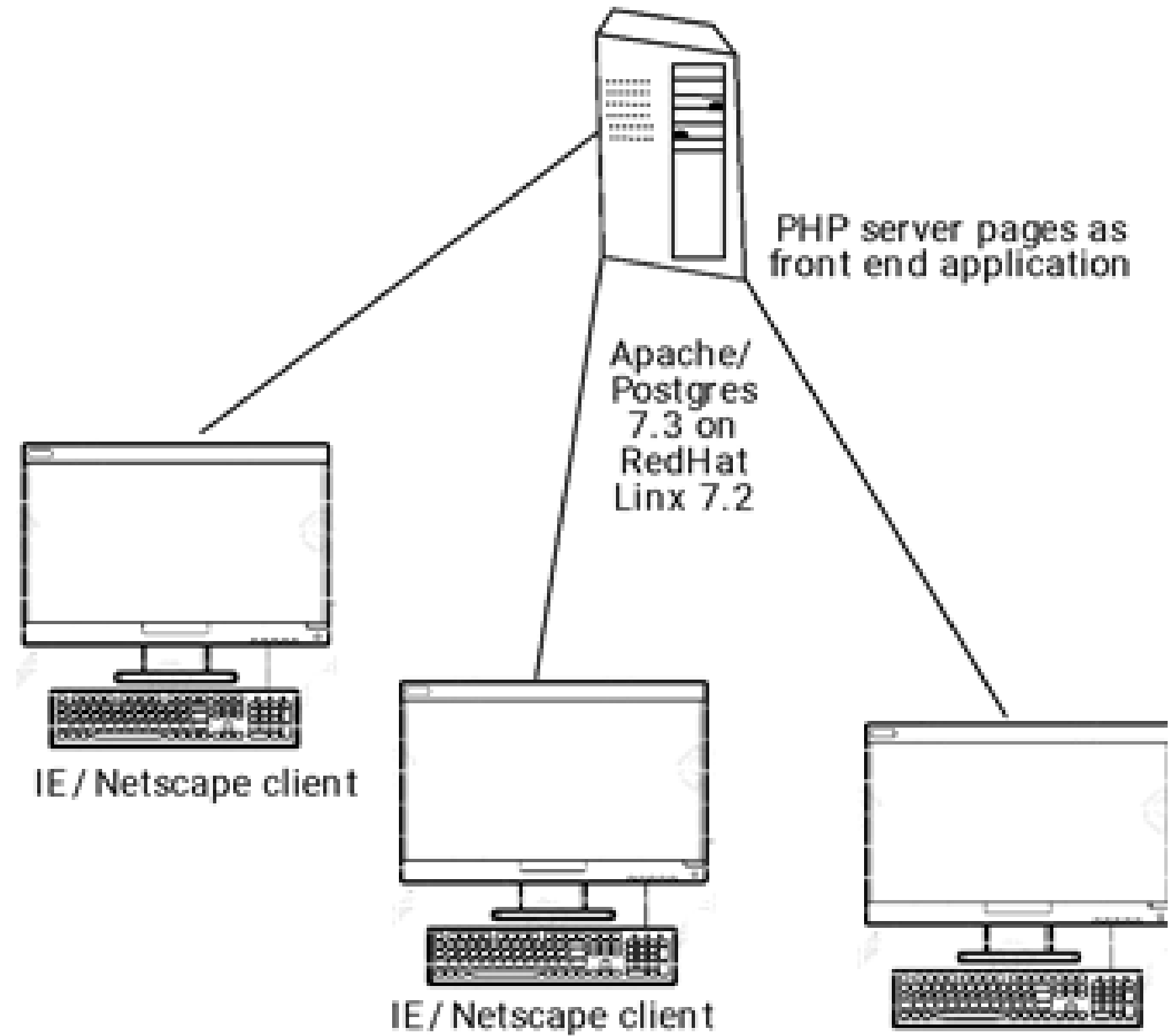
Outline of E-Khazana Architecture

PHP server pages as front end application

Apache/ Postgres 7.3 on RedHat Linx 7.2

IE / Netscape client

IE / Netscape client

fig: Illustration of E-khazana architecture

Application architecture

It is a 3-tire architecture. Application is built using Hyper Text Pre-processor server pages, HTML and JavaScript. Back-end in postages SQL 7.3.

Automatic of functionality

It is a workflow automation tool used for disbursing and accepting funds to various government originations after auditing the application and documenters for meeting the requirements. The workflow starts with issuing of a transactions ID. Budget and other master data are maintained separately. Check list for each kind of transactions is also maintained as part of master data.

Application flow

Figure illustrates the application flow.
● SLO: (Substantiative Level and Officer) process is to maintain cadre strength designation–wise. should match with the bill submitted by the DDO.
● Accounts: Process is for generating monthly accounts for submission to Account General.

CONCLUSION :

To summarize, e-Khazana is an electronic treasury system that is used by the government of India to manage and monitor its financial transactions. The system is web-based, providing a unified platform for various government departments to track their financial operations, which helps in maintaining transparency and accountability.

The e-Khazana system has contributed significantly to reducing the time and effort required for manual paperwork and improving the efficiency of financial management. Overall, e-Khazana has been a crucial step towards the digitization of financial transactions in the government sector, contributing to better financial management and transparency.

REFERENCE :

E-governance, KEC Publication And Distribution Pvt Ltd.

Thank you!