



Client: India Based Client Client Vertical: Govt/PSU

Project Type: Web Portal Technology Used: Struts, Java, Jasper

Reports - Oracle

Client Overview

About Client:HSIIDC is a Public Limited Company owned by the Government of Haryana. HSIIDC is company incorporated on 1967 under the provisions of the Companies Act, 1956 with the objectives to develop industrial infrastructure in the State of Haryana under the aegis of Department of Industries and Commerce, Haryana. HSIIDC continues to drive Haryana on the roads to infrastructure and industrial development thereby catalyzing all round economic growth in the State. Right from provision of state-of-the-art infrastructure to facilitation, HSIIDC ensures a smooth start up support to the new enterprises.

Requirement Overview: HSIIDC wanted to develop eGovernance Web Portal to provide facility of finance and infrastructure. They also required basic divisions operations to be computerized.

Below are the basic required from the client:

- 1.To computerized operations
- 2.Information should be available at any time, any place in single point
- 3.To remove tedious / duplicate task
- 4. To create independency
- 5.E-filing
- 6. Security features like, user login, prevent unauthorized access and change data, access control to software functionality based on user roles and database should

not be available for direct access

- 7. Facility to migrate legacy and operational data as well as verify and validate data
- 8. Data management for future reference
- 9.To develop my account for payment history, upload document, comprehensive dashboard, E-filing status using tracking number
- 10. Back office processing for different group of users such as data entry, data processing/ compiling, sanctioning etc.
- 11.MIS for weekly performance report, unique visitors, upload details of various forms and their status and Companies

Module wise Requirements:

1.Estate Management Procedure

- HSIIDC has required computerized advertisement for allotment of industrial / residential / group housing / institutional plots, technology park projects, commercial sites and residential sites.
- Transparency among HSIIDC staff / applicant / allottee
- Automated system for Application form submission
- Computerized applicant interview Schedule
- Remove manually processes for payment and refund
- Remove day to day operations
- Quick view of total plot allocation

2.Central Account System

- HSIIDC has needed computerized central account system for internal purpose
- To remove manual processing for payroll operations



- Computerized processing for pensions, provident fund and loan information of employee
- Automated system for date wise detailed information of loan and interest of each employee
- To eliminate manual calculations for salary, HRA, HRR joining & leaving city change between the month

3. Annuity Payment Module

- HSIIDC has required automated system for annuity management
- Computerized calculation for annuity amount and duration
- Automated system for nominee management

Proposed Solution:

- 1. SilverTouch has proposed java struts 2.0 with database oracle 11g
- 2. We have Proposed RTGS (Real Time Gross Settlement) System and payment gateway as 3rd party tool
- 3. We have proposed E-filing Registration and User management, My Account Front end processing, Admin Panel Back end processing, MIS reports, Data management and Data migration
- 4. Interface with existing financial accounting system i.e. Tally ERP 9.0
- 5. The integration of the Email and Payment gateways to make services available to the citizens in a very convenient, efficient and guick manner
- 6. Proposed solution includes all computerized operations and procedure
- 7. We have used Pilot Processing for easy and quick payment
- 8. We have used Jasper Reports for MIS reports

Module wise Proposed Solution:

1. Estate Management Procedure

Silver touch has proposed below functionalities to remove manual processing

- Online advertisement for plot allotment
- Online application for applicant
- Online payment and return
- Schedule interview of applicant online
- Online plot pre-allotment and post allotment processing
- Online Scrutiny of the applications
- Online issue of RLA(Regular letter of allotment) to successful applicant

2. Central Account System

Proposed Solution provides automated system of central account for HSIIDC employees

- Employee login functionality for security purpose
- Online payroll processing
- To get any document at anytime from any where
- Automated calculations for salary increment, provident fund, pension, loan, tax and performance award and bonus

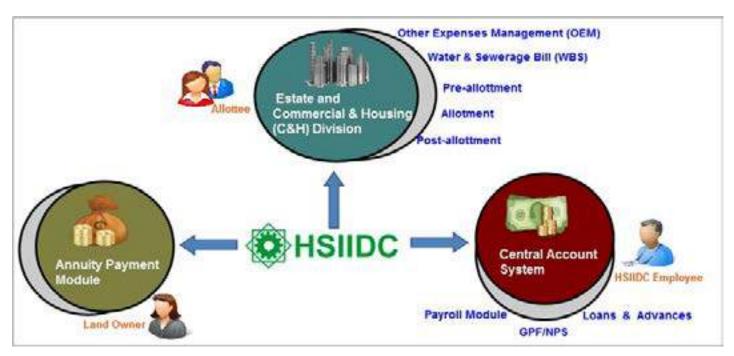
3. Annuity Payment Module

Proposed system provides computerized system for annuity management

• Online annuity calculation for each annuitants and their nominees

D.Project Description & Flow

a) Project Overview

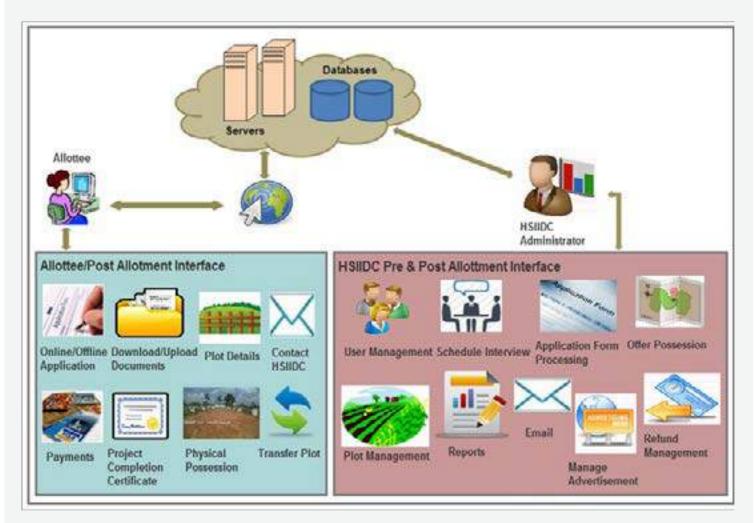


b) Project Description

- As per client's Requirements, We have developed HSIIDC Module with sub modules in Struts, java
- Silver touch has computerized all operations related to estate management, central account system and annuity payment management
- Project provides all information independently
- Auto reconciliation with HDFC bank for easy verification
- To remove limitations of existing system(Cobol & FoxPro), silver touch has used latest version of tally to manage payroll system of HSIIDC employees
- Jasper reports are used for reports
- There are three major modules in this project:

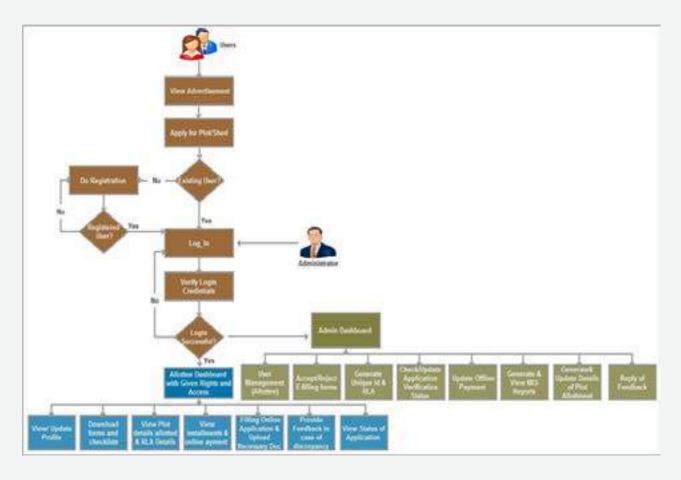
c) Application Modules

- 1. Estate and Commercial & Housing (C&H) Division
 - a) Estate Management Architecture



- HSIIDC will use this module to maintain information at centralized place and access using this web based solution
- This module will help HSIIDC's staff member of estate / C & H division, allottees and aspiring applicants to apply and monitor the status of the various activities related of application for different purposes
- This module will provide up-to-date information to the right person at the right time and streamline the flow of policy across the state

b) Estate Management Work Flow



1.1. Pre-allotment

- Online / Offline application for Industrial / C & H plots
- Online payment, User account creation, maintenance of inventory details
- Scrutiny of the applications
- Creation of Agenda
- Interview schedule
- Committee Decision.

1.2. Allotment

- Issuing RLA by HSIIDC, Acceptance / Rejection of RLA by applicant
- Offer of possession
- Physical possession
- Payment schedule / Re-schedule, Realization / Refund, maintaining and updating of the inventory records of various estates at all the locations of HSIIDC.

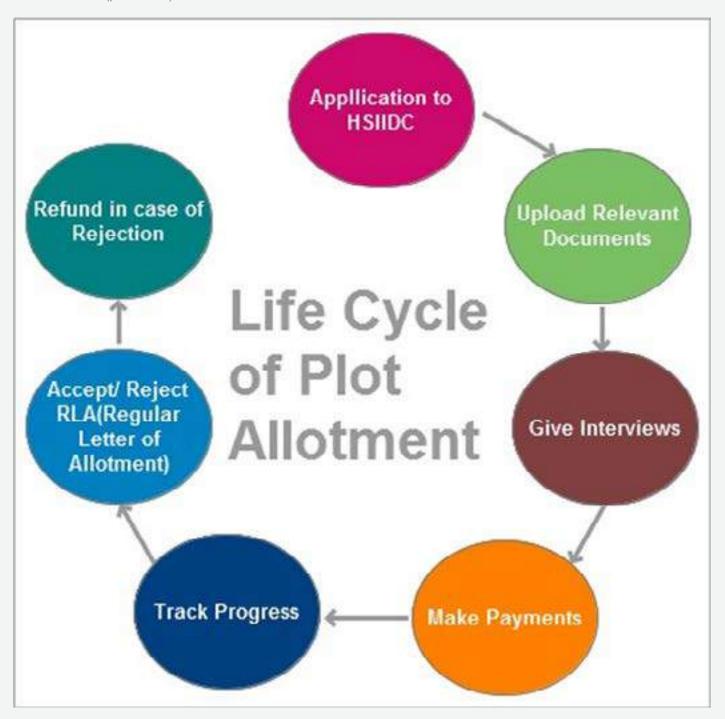
1.3. Post-allotment

- Building plan approval
- Final payment

1.4. Water & Sewerage bill (WBS)

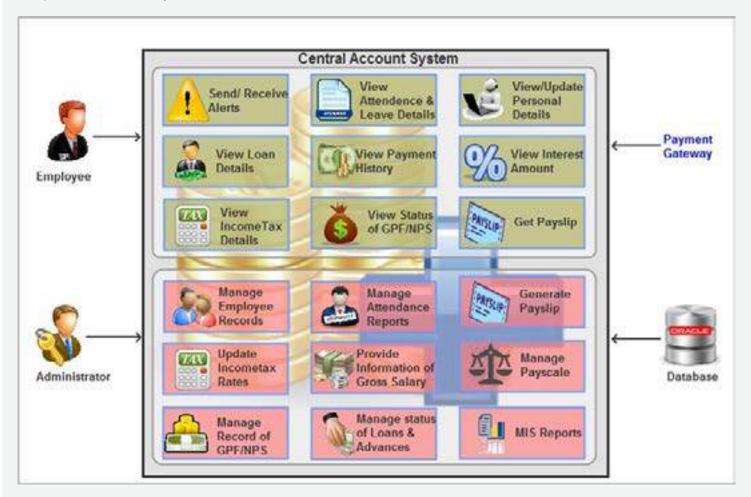
- Module provides water supply and sewerage management services to the allotted plots for various reasons at rates
- different

- It supplies water to the plot owner during site constructions and production phase 1.5. Other Expenses Management (OEM)
- Module allows to collect augmentation charges based on floor area ratio (FAR), maintenance charges and rent for from the allottee (plot owner).



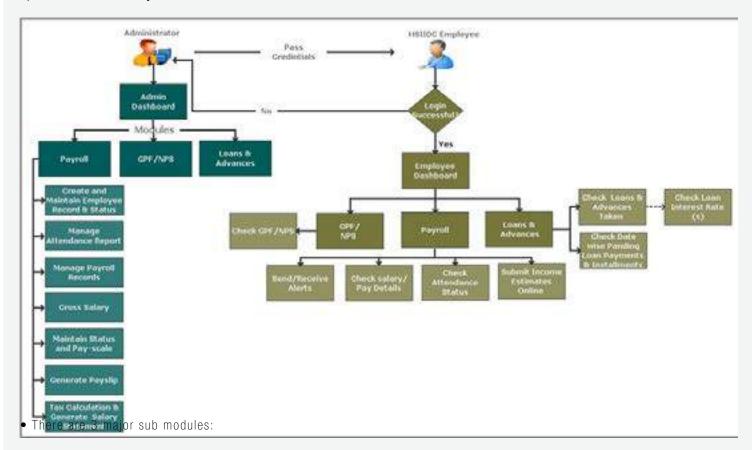
2. Central Account System

a) Central Account System Architecture



- This module has been developed for HSIIDC Employees
- Existing account system was in COBOL and FoxPro. Limitation of one machine and one location. So it can work only at head office
- Proposed Solution will be working on One Integrated software with modules for Head Quarter & Branch. Each user will be working as per his role.

b) Central Account System Work-Flow



2.1. Payroll Module

- Dynamic online application for Pay bill Calculation from more than 20 branches of HSIIDC.
- Module includes Employee Data, Payroll processing, Payment to Different Bank accounts (XIs), Pay slip and Various Allowances & Deduction Reports
- Various Reimbursements like Conveyance, Staff Welfare, Mobile, News paper & Magazine, Medical Allowance , Medical Test, Education Allowance , LTA
- It also includes Income Tax Calculation, Income Tax Projection, Statutory Bonus calculation, Performance Award Calculation, DA Arrears Calculation, Increments calculation, Transfers and Promotions management

2.2. GPF/NPS Monitoring System

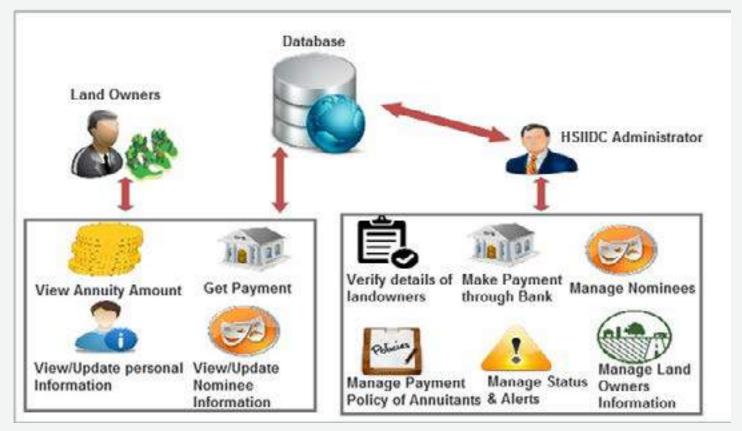
- Maintaining and updating the GPF/NPS Records of various employees & compilation of the relevant forms at all the locations of HSIIDC
- Different provident funds deducted at various branches monitored & deposited from corporate head quarter.

2.3. Loans & Advances Monitoring System

• Maintaining records of various employees pertaining to out-standing dues and for approval of loans/long-term advances at all the locations of HSIIDC

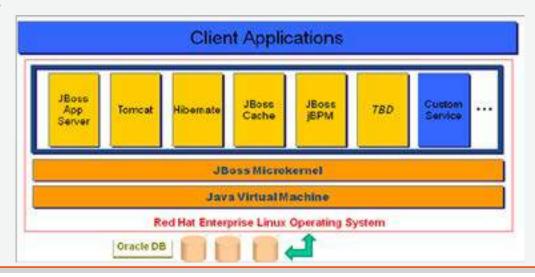
3. Annuity Payment System

a) Annuity Payment System Architecture



- HSIIDC intends to computerize the payments of annuity under the annuity payment system
- The landowners whose land is acquired by HSIIDC under a statute. Haryana Government has prepared the annuity payment policy to be implemented through various departments.
- Module allows to implement this policy to various department of Haryana government
- It displays no of annuitants with detailed information that either they will get payment or not if yes then display with proper amount
- Module displays nominees information to whom annuity will be distributed of annuitant with exact amount

d) Technical Flow



E. Objective

- 1. To make computerized system of Haryana state industrial & infrastructure Development Corporation limited
- 2. To create independency
- 3. To remove tedious task
- 4. To make available information any time, any place in single point
- 5. To manage payroll system from more than 20 branches of HSIIDC
- 6. To manage annuity of land owners with their nominee information and annuity amount
- 7. To manage loan system & provident fund of HSIIDC employees
- 8. To computerize estate/ C & H division
- 9. To apply online application and monitor status of the various activities related of application for different purposes
- 10. Online schedule interview, online payment & refund, plot allocation
- 11. To manage water & sewerage charges as well as other maintenance charges online
- 12. To generate various MIS Reports
- 13. Quick and smooth integration with other departments

F. Project Approach / Activities

The Project was divided into various phases to achieve the best results in less time with optimal utilization of available resources

Phase I: System requirement Study document and re-estimation

Phase II: Analysis the system flow and database design

Phase III: Designing

Phase IV: Development & Design Integration

Phase V: Testing
Phase VI: Go Live

G. Technology

Development Environment

Technology	Specifications
Technology & Framework	JBoss
Languages	Java
Email	SMTP server
Database	Oracle Standard edition
Script	Jquery, JavaScript
Web Server/Hosting Platform	Apache
Operating System	Red Hat Linux OS

Deployment Environment

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Email	SMTP server

H. Duration

- 1. Project MAN Hours: 15000 hours
- 2. Project Life Cycle:

I. Key Challenges

- 1. To learn new technology and develop entire website in new environment & interface
- 2. To implement frequently changing Requirements of client
- 3. Auto reconciliation with HDFC bank
- 4. Complex calculations for HRA, HRR, join & leaving city change
- 5. To handle Employee promotions between months
- 6. To use Pilot Processing for fast and easy payment
- 7. Data migration of various department of HSIIDC
- 8. Integration of various modules and simultaneous functioning of same

J. Benefits

1. Estate Officer

- Easy management of plot applications and its allocation
- Online Allottee management
- Transparent processing of application
- Ease of scheduling interviews for plot allocation
- Keep track of all applications and updates simultaneously
- Take out reports of all kinds to see cumulative data
- Easy verification of documents

2. Allottee

- Transparent processing of applications
- Online submission of documents and verifications
- Hassle free interview procedure and follow ups
- Easy tracking of status
- No need to physically go to office for application
- Online payment facility

3. Account Department Admin

- · Admin dashboard to get easy access to all information easily
- Online processing of all employee information
- Easy calculation of salaries, deductions, loans and installments, based on various criteria and rules
- Transparency between admin and employees
- Able to generate various reports whenever required
- Obtain consistent, accurate and reliable data easily
- Get alerts triggered due to undue situation

4. HSIIDC Employee

- Easy access to all relevant and personal information
- Easy application for loans and other benefits provided to employees
- Tracking of loan applications, leave, etc.
- Transparency in getting various information
- Obtain instant and secure information
- Receive alerts of different kinds

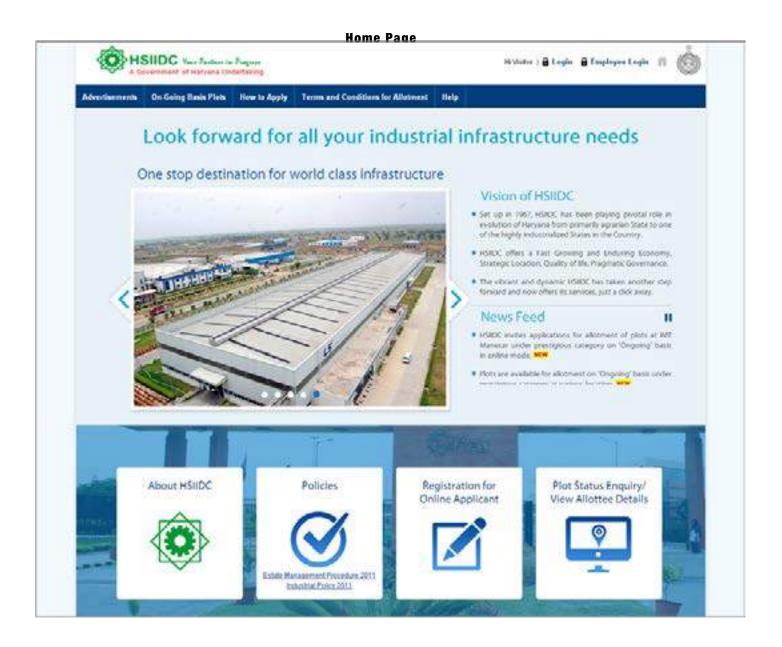
5. Annuitants

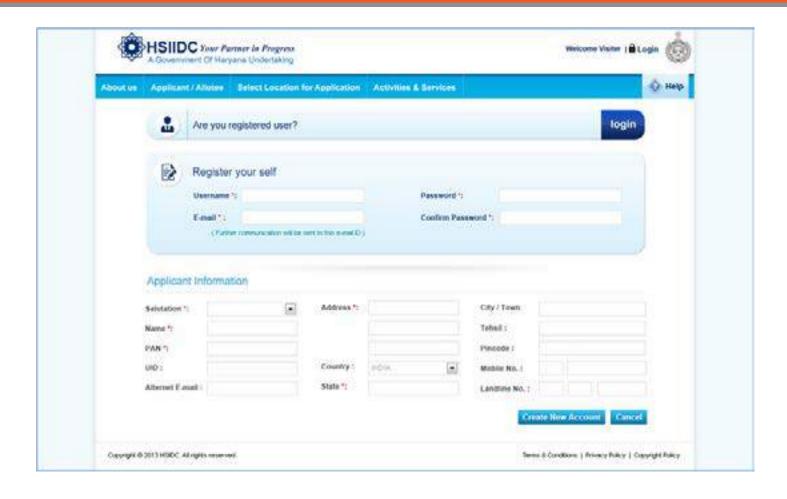
- Basic Details of annuitants
- Help in getting payments through banks
- Records of payments made
- Easily get nominee and amount information

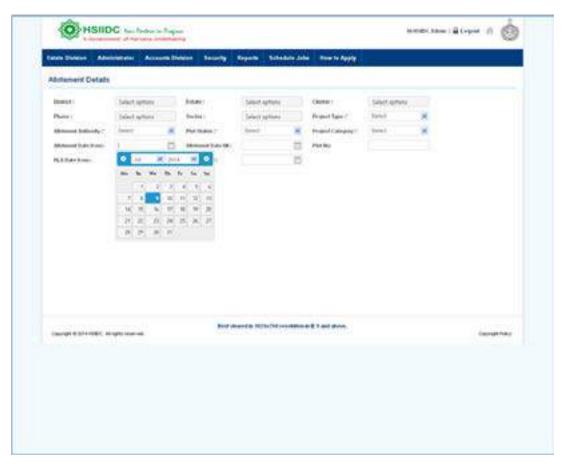
K. Results Achieved

- 1. No manual Processing
- 2. The system will take the approval of all the policies and complicated matters from the Section Head
- 3. The system will help to scrutinize the plot details by the section head
- 4. Approval of all the calculations and major changes in the system
- 5. Computerized operations reduce time, cost and work
- 6. Easy calculation of HRA, HRR, income tax, joining & leaving city, Provident fund, Pension and taken loans of HSIIDC employees
- 7. Hassle free procedure for annuity payment with nominee information and annuity amount
- 8. Computerized estate division and online interview schedule for allottee
- 9. We have used pilot processing that makes payment processing fast, easy, and affordable
- 10. Online application processing
- 11.Information will be available any place, any time at single point
- 12. Different types of neat and clean colorful MIS reports

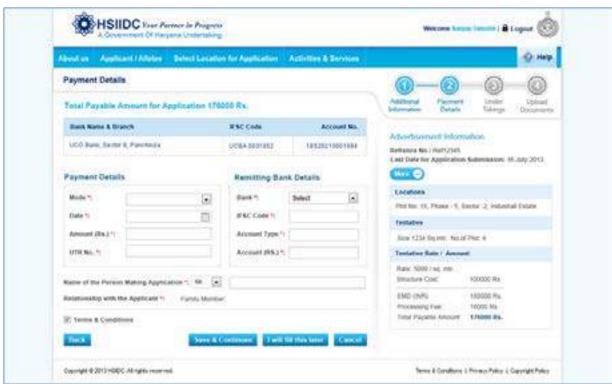
L. Screens

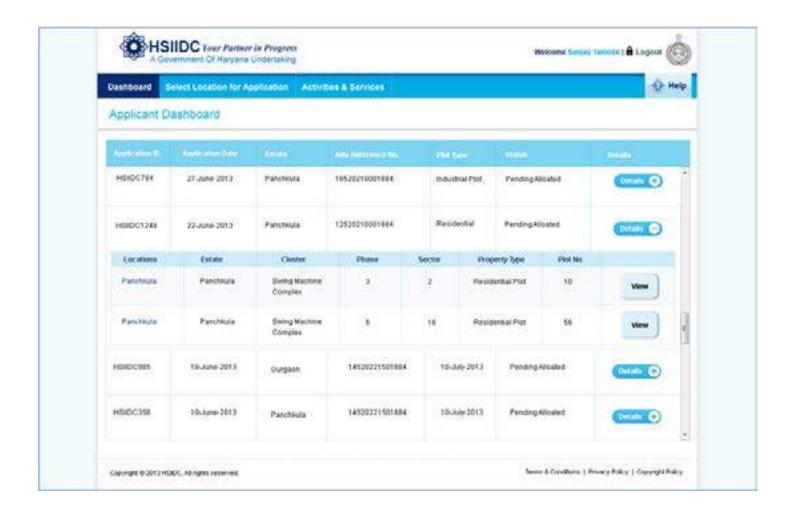














Deliver best products, software solutions and services, on time with quality, and as per customer expectations

About SilverTouch

SilverTouch, a company established in 1992 is widely accepted for its IT solutions with a huge customer base in more than 20 countries across the world.

SilverTouch is actively engaged in Enterprise software development, enterprise content management, document management and IT consulting services such as Business process optimization, process consulting, implementation and customization of ERP. SilverTouch leads brilliantly in new technical developments such as: Mobile Application development services on iPhone, iPad, Blackberry, Android, J2ME and Windows mobile platforms. Even now, SilverTouch helps its global clients for major developments, deployments and managements of their mobility solutions and enterprise application development programs.

SilverTouch has alliance with several industry leaders such as Microsoft, Apple, Cisco, IBM, Oracle, SAP, Java, Dell, VM ware, Symantec, Sonic Wall which provides a competitive edge over other industry peers and targets to understand and cater to all types of requirements that concern our clients, thereby, leading to serve them precisely to their satisfaction.

For more information, please visit www.silvertouch.com or email info@silvertouch.com



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