SATHI

SEED AUTHENTICATION, TRACEABILITY & HOLISTIC INVENTORY

Enriching the Digital Ecosystem for Seed

" सुबीजम सुक्षेत्रे जयते सम्पद्यते "

(Good seed in good field yields abundantly)

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What is Sathi?

Sathi is a digital chain envisioned and created by Department of Agriculture & Farmer's Welfare, Govt. of India in partnership with National Informatics Centre (NIC) which will provide holistic approach to cover complete seed life cycle over multiple seed generations starting from nucleus to breeder seed, breeder to foundation seed, foundation seed to certified seed and distributing the seeds to farmers through licensed dealers.

It will

- Enhance and ensure the quality and purity of seed through complete digital platform of seed life cycle.
- Increase the accountability with the help of seed traceability through multiple modules
- Improve the on-field efficiency of SCI by reducing the human error and integrating technology to the system.
- Generate GIS based MIS reports powered by Bharat Map Interface.
- Reduce transactional time for registration, approval, access to field inspection reports, lab testing reports and certification.

Salient Features

Here are some of its salient features which will take seed production and inventory to new heights :

- GIS Report based on Bharat Map Interface.
- Provision of wallet service.
- Offline friendly and device agnostic mobile application.
- Quality inspection for the quality check of the inspection process.
- System generated sample slip on processed verification data.
- Online forwarding of the samples to seed testing laboratory.
- issuing of tag certificate based on digital tag register.

Let's go through the modules based on different stages of seed-production :

1 NUCLEUS TO BREEDER SEED MANAGEMENT:

SATHI assists you to execute the following with ease by integrating the following to its system :

- Breeder Seed indent generation to ICAR, SAU, Breeder Seed Production Centre.
- Registration of Breeder Seed Production Centre.
- Allocation of breeder seed through programmed functionality.
- Issuing of Breeder Seed Labels.
- Lift allocated breeder seed by indentors.
- Registration of indentors and submission of indents.

2 BREEDER TO CERTIFIED SEED CERTIFICATIONS:

SATHI allows you to access and handle all the data from any device, from anywhere by having the following features in its module :

- Registration of Seed Grower, SPA & SPP
- Verification of seed source, class and other requirements of the seed used for raising the seed crop (how).
- Field inspections to verify seed to the prescribed field standards using offline mobile app.
- Processing and verification of breeder seed (can be merged and told that data will be uploaded into database.)
- Sampling, testing and issue of tag for breeder seed.
- Billing and Accounting module to process information related to management of fees and pro forma updates.
- Permission module to allow SPAs/ SPPs for interstate permission, small size bag allocation, venturing with other marketing firms.
- Applying unique and distinct tags to the lots by the help of Tag Register.
- Reducing wastage of breeder seeds from foundation to certified seeds by Downgrading of Lot-Class.

3 SEED DEALERSHIP:

SATHI keeps an extensive records of all the transactions and has auto generated slips in place :

- Ease of doing business between the State level dealer and District level dealer with the help of Dealership Application Module.
- Issuing of source certificate to district level dealer.
- The sale of quality and certified seeds by Field Inspection using offline mobile app.
- Dealers can be held responsible for not following the directives from Block Agriculture Officer with the help of Geo Tagging of Sale Point.

- Issuance, Return and Rejection of licence for seed dealers.
- Seed dealers can apply for amendment in their issued licence.
- Authorization for suspension, revocation and cancellation of seed dealer licence.

4 SEED INVENTORY:

SATHI, with its intensive, accurate and up to date records makes tracking and dispatching of inventory easier :

- Effective way to record and maintain inventory accurately and efficiently with the help of stock management.
- Inventory that can be easily adjusted when seed lots are damaged by auto blocking of defective los.
- Availability of livestock report to provide better supervision and management of the seed lots.
- Management the inventory alongside accounting in one integrated system.
- Management inventory counts with stock count sheets and reconcilation.