Internet based Platform for Semen Stations

NDDB is developing a **unified Semen Station Management Software** along with **Centralized National Semen Production Management Portal** integrated with **INAPH.** (INAPH is NDDB's field IT application that facilitates the capturing of real time reliable data on **Breeding, Nutrition and Health Service** delivered at Farmer's Doorstep by respective service providers.)

The system covers **Core Operations** of Semen Stations including Bull Lifecycle Management, Semen Production Management, Quality Control, Sales & CRM, Bio-Security and Environment Safety, Farm and Fodder Management. The system is highly flexible and focuses on Process Standardization, Improvements and Control. The system also helps in integration with all required equipment as well as RFID Bull tags to ensure efficient, effective and error free process. The system provides for Fine Grained traceability of Semen Dosses and intelligent configurable movement at every level apart from Barcode Integration at every transaction level.

The system also provides for a **Web based CRM System** for Customer management and entire Sales cycle including feedback.

A **Centralized Portal** for collating data from multiple semen stations to provide County Level Data on Semen Production and Management is also being developed. The portal will have provision for data synchronization with semen stations apart from manual data update by non-participating stations. The portal will also be integrated with INAPH for field level Bull Performance Data. It will provide National Level relevant data reports apart from all guidelines.

The system provides for Role based Security and multiple level hierarchy for access control. The system has provision for rich multiple level reports based on Role and Hierarchy covering one or more functional areas. The reports provide Decision Supports as well as Operational Support based on the requirement. The system also provides for Alerts and Notifications to take action in Real Time.

The solution is based on **Microsoft Technology Stack** and has Flexible Architecture. The system supports multiple locations of a single semen station or sharing of a single facilities by multiple semen stations.

The solution will be deployed across all semen stations as a part of National Dairy Plan I. We plan to make it operational early next year.