Case Study

**Fund Management System with Business Intelligence Analytics
for India's National Dairy Development Board**

NATIONAL DAIRY
DEVELOPMENT BOARD

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The Client

The National Dairy Development Board promotes finances and supports producer-owned and controlled organizations across India. Its programs and activities are designed to strengthen farmer cooperatives and to support national policies that are designed for the growth of these institutions. The NDDB role in India is undeniably important to India's economy, and to the cultural, societal and agricultural needs and initiatives of villages and farmers in support of animal breeding, nutrition and health related issues. The NDDB site and team provides information for consumers, dairy farmers, cooperative and engineering services, sector analysis and studies and more.

The Objective

The client wished to upgrade and improve its technology and tools to support the NDDB team and its stakeholders and information consumers. The project requirements included analytical tools, financial systems with budget allocation and utilization tools and other features and functions to support the organization. One of the primary objectives of this project was the support of the National Dairy Plan I (NDP I) with a network of end implementing agencies. This is a scientifically planned multi-state initiative to increase productivity of milch animals and thereby increase milk production to meet the rapidly growing demand for milk through scientific breeding and feeding and to provide rural milk producers with greater access to the organised milk processing sector. This initiative covers 18 states with more than 158 implementing agencies and 340+ sub projects.

The Solution

The Elegant MicroWeb team coordinated its project and support approach to provide solutions to manage finances, budgets, workflow and analysis with crucial support for growth, stability and advancement of the NDDB mission and vision. Elegant MicroWeb also provided support for NDDB analytical requirements with the Elegant MicroWeb flagship business intelligence solution, ElegantJ BI, with BI tools for reporting, personalized dashboards, mobile BI, key performance indicators (KPIs) and other sophisticated, easy-to-use business intelligence features.

The scope of the project included development of Fund Management System that includes:

- Project and subproject definition & plan
- Requisition to Government of India for budget and it's receipt management
- Target & Budget allocation for projects upto activity level

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- Payment of allocated budget and its tracking against utilization
- Utilization of budgets for projects and variance
- Workflow with budget allocation and utilization approval
- Various reports including Fund Utilization Certification, Control sheet for projects, Interim financial report including several reports for World Bank and Government of India ministry
- Business Intelligence & Analytics System

The system required integration with other systems such as:

- Project Planning Master System
- Enterprise Project Management System
- Procurement MIS
- Grievances Redressal System
- Environment & Social Management Monitoring and Reporting System

The Technology

- Front-end: .NET Framework
- Database: MSSQL Server
- Business Intelligence Tool: ElegantJ BI – Business Intelligence Tools

Elegant MicroWeb Role

The Elegant MicroWeb team provided support, knowledge and skill in the following areas and activities:

- Requirements review and analysis in close consultation with process owners in various departments within NDDB including Finance, Purchasing, Monitoring Officers, Environment & Social
- Technical feasibility
- Architecture, Development, Maintenance and Support
- ETL for integration with other systems
- Data Mart / DWH Design, Development and Testing
- ElegantJ BI – Business Intelligence Tool implementation
- Designing of meta-data layer and various objects like Analysis, Dashboard, KPIs, Reports using ElegantJ BI Business Intelligence Tool
- Continuous enhancement, up gradation and roll out for various tools
- Testing, including user acceptance testing (UAT)
- Training &Support to business users and account managers

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Conclusion

Elegant MicroWeb worked with the National Dairy Development Board (NDDB) to achieve its strategic and operational goals. The successful completion of this multi-faceted project helps to streamline and improve productivity, user satisfaction, resource optimization and brand visibility and positioning with innovative financial systems, budget allocation and utilization tools and other features and functions to support the organizational vision and mission for the client's multi-state initiative to increase productivity of milch animals through scientific breeding and feeding. The ElegantJ BI business intelligence solution implementation supports the organization with comprehensive analytical tools designed for all business users to provide features and functionality that will support data sharing, streamlined reporting and confident business decisions.

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