Key Areas for Knowledge Management

The key areas identified under IBDLP for which need assessment is required for development of knowledge are:

1. **NATURAL RESOURCE MANAGEMENT**
   1) **Integrated Village Resource Planning**

      Resource – Data Base Generation

      Knowledge Requirement, Space – Enabled & GIS platforms, Geo-Spatial Applications, Conventional Resource Data Collection and Mapping

      Data/ Information Dissemination of knowledge, storage, processing of data/information to knowledge storage.

   2) **Productivity Enhancement**

      (Aquaculture, Apiculture, Forestry & Plantation, Horticulture, Livestock, Energy (Rural - Emphasis), Sericulture, Tourism, Water Resource)

   Knowledge Requirement

   Conservation Technologies & Traditional Conservation System
   Soil Testing & Soil Fertility Status Mapping
   Multi – Cropping (Crop – Rotational set of Practices)
   Integrated Farming System/Multi – Canopy System

   Technology infusion and Management Practices on agriculture, fishery, bee-keeping, sericulture, forestry & Plantation Crops, animal husbandry

   Integrated Nutrients Management

   Integrated Pest Management

   Seed production Technology & Seed Bank (Cereals, Oilseeds, Spices, etc)

   Bio – technology & Tissue Culture

   Technology for production of organic/bio-inputs

   Technological – intervention in rain water capturing/conservation/ harvesting/collection along natural drainage lines, natural, depressions on hill-top/slopes.

   Water Management/Saving Technologies

   Water Technology for Water Budgetting

   Technology for reclaiming abandoned coal/limestone mined areas, etc

   Technology for Water Quality Control

   Technology for harvesting flood-water for productive uses

   Technology for reclaiming water bodies specially in coal mining areas

   Cost Effective Science and Technology for improving quality of life of rural population, particularly the rural – poor

   Bio-Energy Technology for cooking & lighting

   Cost Effective Technology for creation of micro-hydel project.

   Technology infusion for increased – productivity of crops, animal & livestock, aquatic and biodiversity.

2. **ENTERPRISES DEVELOPMENT (VALUE CHAIN ANALYSIS Under Different Missions)**

   Knowledge Requirement

   - Volume of Produces & Aggregation
   - Present Level of Value Chain Development
   - Scope & Opportunity for Development of Value Chain up to the Final Product (Processing)
   - Post – Harvest Technology
   - Entrepreneurship Development
   - Enterprises Promotion
   - Market Opportunities and Access, Cost - Discovery

3. **GOVERNANCE**

   Knowledge Requirement

   Traditional & Local Self Governance
   Traditional Ethics & Values, Culture
   Traditional Conservation Knowledge

   SYSTEM FOR STORAGE, ANALYSIS of Infos & Data, DISSEMINATION OF KNOWLEDGE

   Knowledge Requirement

   Soft Skill Development
   Communication Skill Development
   Info, Communication & Technology

   SOURCES OF INFOS/DATA

   1. Practitioners at the grassroot level (village)
   2. Resource Institutions disseminated
   3. Other disseminated sources, inter – alia, print, electronic media, literature, journals and info/data or knowledge repositories.
   4. From Village Communities through participatory inventories & appraisals.