Bhoomi:
an Conveyancing (Indian) Solution
for Secure Land Tenure

Annual Meeting 2006

FIG Commission 7

Slovenia, 13-5-2006

OVERVIEW OF TODAY

§ **Introduction**

§ **Innovations**

§ **Way Forward**

Introduction

Bhoomi e-Conveyancing System?

- **Not a Paperless System**
- **Electronic execution of Mutation**
- **Online investigation of Titles**
- **Networked communication**

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Other Highlights of Bhoomi

- **LIS of 20 Million Records**

- **Serves 6.7 Million Farmers**

- **Managed by 10000 Village Officials**

- **Managed and Updated Locally**

- **Financed through Internal Accruals**

Other Highlights of Bhoomi

- Over 2000 Kiosks

- Managed Through PPP

- No Formal Application Form

- No Need of Identification

Other Highlights of Bhoomi

- **Minimal Training Requirement**

- **Minimal Institutional Changes**

- **Minimal Operational Changes**

- **Upgradeable**

- **Reversible**

Other Highlights of Bhoomi

- **Legally Validity**

- **Highly Secured: Biometric System**

- **Ensures**
  - Integrity
  - Authenticity
  - Non-repudiation

Services Offered by Bhoomi

- **RTC**   **:US $ 0.35**

- **Mutation Register**   **:US $ 0.35**
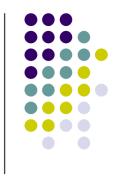
- **Mutation**   **:US $ 0.80**

- **Mutation Pendency Certificate**

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Tenure Security for Farmers

- Reduce Delay

- Save Time and Money

- Greater Transparency & Certainty

- Reduce Anxiety

Innovatons

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Innovations

- **LIS Without Spatial Elements**

- **Banning Hand Written RTC**

- **Introduction of Licensed Surveyors**

- **Submission of Sketches with Application**

Innovations

- **Merger of Organizations**

- **Bhoomi Node in Office of Registrar**

- **Bhoomi Node in Banks**

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Looking Forward

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Looking Forward

- **Extend Scope to Non-Agri. Lands**

- **Link Field Sketches**

- **Introduce eCommerce**

- **Provide Rough Spatial Framework**

- **Arrest the further Degradation**

Looking Forward

- **Interoperability**

    - **Improve Coordination**

    - **Avoid Redundancy**

    - **Standards, Specification, Data Model……**

- **Web services**

- **Optimum Use of XML**

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Looking Forward

Public Key Cryptography

- **Digital Signature**

- **Certificate-based Authentication**

- **Trusted Third Party (TTP)**

- **Public Key Infrastructure (PKI)**

- **Cryptographic Hash Function**

- **Encryption**

Looking Forward

- **Manage Transition**

  - **Organisational Culture**

  - **Organisational Capability**

  - **Business Structure**

  - **Business Operations**

Thanks

Over to You