Historical, Present Condition and Future Outlook of Institution and Organization of Irrigation Development and Management in Indonesia

By

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INTRODUCTION

HISTORICAL OVERVIEW OF IRRIGATION DEVELOPMENT AND MANAGEMENT

EARLY INTRODUCTION OF TECHNICAL IRRIGATION
SCOPE OF WRD

- Irrigation Works were practically suffered from problems due to the lack of O&M;
- The remaining function was only between 40% and 60% of the overall capacity;
- Earlier programs were concentrated on “Mass Rehabilitation” and O&M of the schemes.

MANAGEMENT OF IRRIGATION SCHEMES

- At the Central Government Level;
  - At the Provincial Level;
  - At the District Level;
- P.I.M. through Water User Association (WUA) and WUA Federation (WUAF).
PRESENT CONDITION, PROBLEMS & CONSTRAINTS

- **Identified Problem Areas**
  (Lack of: HRD; Institutional Development; O&M Technology; Financial Resources; and Regulatory and Legal Instruments / Enforcement).

- **I&O Development:**
  (The challenges are I&O for strengthening at all levels -- Central, Provinces, Districts).

- **IDM Technology:**
  (Demanding proper balance: Hard Component & Soft Component → Sustainable O&M)

LESSONS LEARNT

- **Zero Growth Policy:**
  (10 years “Zero Growth” Policy [1994-2004], has entailed gap between young & old generation).

- **Capacity Development:**
  (Capacity Building and capacity development as well as institutional and organizational settings becoming most urgent priority).

- **Sustainable O&M:**
  (Extensive & consistent payment of “Irrigation Service Fee”, should be based on Need Based Budget -- NBB)
FUTURE OUTLOOK

- Integrated instead of sectoral approach:
  (Development & management cannot be implemented in isolation with other determinant factors of success or failure of irrigation implementation).

- Environmentally O&M Technology:
  (The future of O&M irrigation in Indonesia should be geared toward water saving technology, and appropriate IOA strengthening).

- Five interrelated aspects:
  (Appropriate HRD; Effective IOA; Appropriate O&M Technology; Adequate O&M Funds; and Effective regulatory and legal instruments with sensible enforcement.)

CONCLUSION & RECOMMENDATION

- Indonesia is currently trying hard to formulate the most effective and significant IOA for sustainable I O&M.

- Among the many lessons learnt, it is apparent that the following seven aspects are highly recommended:

  - Implementation of appropriate: (1) Data collection and processing technology; (2) Planning approach for sustainable O&M; (3) Effective Public Awareness Campaign for project implementation; (4) Capacity Building and development of Human resources development; (5) Balance between “Hard and Soft Components; (6) O&M Simultaneously without Isolating O and M; (7) Participatory approach for the development and O&M process)
THAT’S ALL! THANK YOU

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