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**MODERNIZATION AND REVITALIZATION OF IRRIGATION**

**Broad Outline for Case Study / Country Paper**

(Guide – ideally about 9-10 pages – max length 14 pages)

1. **Introduction** – Very brief overview (**max 1.5 pages**)
  - (a) general country information such as topography, climate, agriculture and water resources development, and
  - (b) Irrigation and drainage development and achievements in the past
2. **Policy** – This section should briefly describe the (**max 1.5 pages**)
  - (a) challenges of food security,
  - (b) challenges of water scarcity,
  - (c) how irrigation water allocations are being effected,
  - (d) what are the shortcomings in irrigation systems,
  - (e) what strategies are being adopted, and
  - (f) how increasing more crop per drop challenge is being/ proposed to be met.
3. **Approach to modernization** – This section may include (**guide 1-2 pages**)
  - (a) details of the approach/ methodology adopted for modernization including
    - (i) stakeholders' consultation,
    - (ii) tools used for identification of components for modernization such as rapid appraisal, MASSCOTE, remote sensing and GIS etc.,
  - (b) components of modernization including cost estimates, benefits etc. and
  - (c) Funding mechanism
4. **Project information** – This section may include (**guide – up to 3 pages**)
  - (a) general information on project(s),
  - (b) its (their) performance in the past,
  - (c) identification of issues/concerns,
  - (d) need for modernization of the project(s);
  - (e) components of modernization of projects taken up, and
  - (f) component details etc.
5. **Implementation of modernization proposal** – This section may include (**Max 1.5 pages**)
  - (a) how modernization proposal was implemented,
  - (b) monitoring of project implementation,
  - (c) contribution from beneficiaries,
  - (d) how the need for new technology (if deployed) is being addressed.
6. **Lessons learnt including benefits from modernization** – This section may summarize (**Max 2 pages**)
  - (a) bottlenecks/issues/concerns faced during implementation,
  - (b) how these were overcome,
  - (c) lessons learnt from modernization process,
  - (d) impact and outcome of modernization of project etc.
7. **Way forward** – This section may provide (**Max 3 pages**)
  - (a) summary and conclusions,
  - (b) recommendations for future modernization plans,
  - (c) roadmap for modernization of irrigation development in the country etc.
  - (d) Funding required
  - (e) Possible funding mechanism

References, maps, tables (as needed)

