

The MRC Regional Stakeholder Forum
14th – 15th December 2017
Vientiane, Lao PDR



Parallel Group Discussion 9A1 - Preliminary Design Guidance (PDG2018)



1. Objective

The updated PDG2 for Proposed Mainstream (and Tributary) Dams on LMB (DG2018) provides:

- ✓ Contemporary, research based *performance standards, design* and *operating principles*,
 - ➔ Which also covers **compliance monitoring** and **adaptive management**



2. Scope of Review and Update PDG

- ✓ **All sections** of PDG2009 will be reviewed and selectively updated;
- ✓ **“Performance Standards”** rather than **“Prescriptive Designs”** – same philosophy to be retained;
- ✓ **New sections** will be added to fill identified areas with gaps (*hydrology, TbEIA; Socio-economics*);
- ✓ **Clear links** to **Risk & Mitigation Guidelines** (ISH0306);
- ✓ **Stakeholder opinions/suggestions** will be taken into account;
- ✓ **Consultation** and **active participation** of MCs will be vital in DG2018 update.



3. Additional Sections in PDG2018

1. Hydrology and Water Flow

Dealt separately in PNPCA (*ramping rates, hydropeaking, operational mode, baseline hydrological data - flow variation, minimum flows etc.*);

2. Socio-economics and Livelihoods

Considered in PNPCA but no guidance, focus on *transboundary*, and take account of national standards;

3. Transboundary EIA

Currently under preparation by MRCS through WB funds, will *allow separation of local and Tb impacts to be fully set out.*



Guiding Questions

- 1. How do you think about the objective of PDG Update?**
- 2. Any comments or suggestions to the Scope of PDG Review Update including Additional Sections?**
- 3. Other Comments / Suggestions?**

1. Objective

Comments	Suggestions
SP 2016-2020: Update PDG is only for mainstream dam	To focus only for mainstream dam, not tributary

2. Scope and Approach of Review and Update PDG

Clarification & MRCS responses

Q: Has Tributary been considered to be included in DG by all MCs?

A: Some MCs do not support it. ISH0306 mitigation guidelines include tributary.

Q: status on data collection on the mainstream and tributaries and how they are collected?

A: Revitalize Mekong Hycos; PMFM website inform monitoring of flow

Q: fish passage design standards, how it will be considered? A: we will discuss this when update the DG. Consider flow & velocity

Q: 50% of fish survival rate

A: As assumed by the CS it can be achieved when introducing mitigation measures. But our goal is to achieve 95% survival rate to ensure fish repopulation

2. Scope and Approach of Review and Update PDG

Clarification & MRCS responses

Q: how you monitor the fish survival rate of 95%?

A: The fish should pass the dam 95% as mentioned in the PDG

Q: will species composition change overtime by zones? If so what target species to focus on, economic value?

A: Difficult to tell which specific species to be focused on, but long distant migratory fish species (white fish) to be studied. Fisheries expert to be engaged.

3. Additional Sections in DG2018

Comments	Suggestions
TbEIA focus on potential environmental, economic and social impacts	Apart from TbEIA, it is suggested to also expand Tb management, like Tb hazard and risk management