

Central Dam Safety Organisation
Dam Rehabilitation and Improvement Project (DRIP)
**Workshop on
Operation, Inspection and Maintenance Manual**

Venue: Kochi

Date(s): 07-10/05/2019

Programme Outline

Date & Time	Topic	Faculty
Day 1 <07/05/2019>		
09:30 to 10:00	Attendee Registration	
10:00 to 10:30	Introduction and Expectations	Mr. Gaurav Singh
10:30 to 11:00	Chapter-1: General Importance of O&M Roles & Responsibilities Duty Schedule	Mr. C S Mathur
11:00 to 11:15	Tea	
11:15 to 12:00	Chapter-2: Operation Hydro-Meteorology Reservoir Capacity Computations Inflow/Flood Forecasting	Mr. M.K.Goel
12:00 to 13:00	Tutorial on NIH-ReSyP Software	Mr. M.K.Goel
13:00 to 14:00	Lunch	
14:00 to 15:00	Preparation of rule curve Operation of reservoir (Normal condition)	Mr. Rishi Shrivastava
15:00 to 16:00	Operation of reservoir (Extreme condition) Examples of Existing projects	Mr. Rishi Shrivastav
16:00 to 17:00	Flood routing study Sequence of operation of gates Spillway outflow curve	Mr. C S Mathur
17:00 to 17:30	Q&A with Session Leaders	
Day 2 <08/05/2019>		
09:30 to 10:00	Attendee (Sign-in)	
10:00 to 10:30	Emergency Operation Procedure Emergency situation to be defined Invoking of Emergency Action Plan	Mr. David G.Diaz
10:30 to 11:00	Chapter-3: Inspections Types of Inspection Comprehensive inspection of Embankment, Masonry, Concrete dams	Mr. Ed Flint
11:00 to 11:15	Tea	
11:15 to 12:00	Hydro-Mechanical Equipments	Mr. Ed Flint
12:00 to 13:00	Unscheduled (Post Earthquake) Inspections	Mr. Ed Flint
13:00 to 14:00	Lunch	

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14:00 to 15:00	Chapter-5: Instrumentation and Monitoring	Mr. A.K.Dhawan
15:00 to 16:00	Automated Data Acquisition System	Mr. A.K.Dhawan
16:00 to 17:00	Data Processing and Evaluations	Mr. A.K.Dhawan
17:00 to 17:30	Q&A with Session Leaders	
Day 3<09/05/2019>		
08:30 to 10:00	Travel to Dam Site (Malankara)	
10:00 to 10:30	Assemble Teams	Mr. Ed Flint
10:30 to 11:30	Conduct Inspections – Embankment	Mr. Ed Flint
11:30 to 13:00	Conduct Inspections – Concrete / Masonry / Spillways	Mr. V K Verma
13:00 to 14:00	Conduct Inspections – Hydro-Mechanical	Mr. Vineet Bhatia
14:00 to 15:00	Lunch	
15:00 to 16:00	Reporting of Findings	Team Leaders
16:00 to 18:00	Return from Site Visit	
Day 4<10/05/2019>		
09:30 to 10:00	Attendee Sign-in	
10:00 to 10:30	Chapter-4: Maintenance Embankments	Mr. Ed Flint
10:30 to 11:00	Concrete & Masonry dams	Mr. V K Verma
11:00 to 11:15	Tea	
11:15 to 12:00	Hydro-Mechanical preventative maintenance	Mr. Vineet Bhatia
12:00 to 13:00	O&M budget, Schedules and Record Keeping	Mr. V K Verma
13:00 to 14:00	Lunch	
14:00 to 15:00	Best practices for O&M Manual	Mr. Ed Flint
15:00 to 16:00	Q&A with Session Leaders	
16:00 to 17:30	Workshop closing ceremony	