

Feasibility Studies for Irrigation Projects

13-26 August 2015
Asian Institute of Technology (AIT), Thailand

PROGRAM OF OPENING & ORIENTATION SESSION

Venue: AITCC (Room No.: B225)

08:00 – 08:40	Registration
08:40 – 08:45	Objectives of the training [<i>Dr. Sangam Shrestha</i> , Associate Professor, AIT]
08:45 – 08:55	Introduction of the participants
08:55 – 09:05	Welcome remarks [<i>Prof. S. Kumar</i> , VPAA, AIT]
09:05 – 09:15	Welcome remarks [<i>Prof. Voratas Kachitvichyanukul</i> , Dean, School of Engineering and Technology, AIT]
09:15 – 09:25	Remarks from representative of the participants
09:25 – 09:30	Group photo
09:30 – 09:45	Training course introduction [<i>Dr. Sangam Shrestha</i> , Associate Professor, AIT]
09:45 – 10:00	Initial evaluation (or expectation) from training course [<i>Participants</i> ; questionnaire fill]
10:00 – 10:15	Tea/Coffee break
10:15 – 11:45	Orientation and AIT Campus Tour

Training Course on **FEASIBILITY STUDIES FOR IRRIGATION PROJECTS**

13-26 August, 2015 | AIT, Thailand
SCHEDULE OF TRAINING SESSIONS

Course-1: Feasibility studies for irrigation projects [Project identification, topographic surveys, mapping, geology, hydrology, hydrogeology, agronomy, drainage and irrigation investigations]

Day	SID	Type	Contents [Type]	RP
Day-1 13 Aug (Thu)	Opening and orientation			
		08:00 - 08:30	Registration	All
	D1S0	08:30 - 09:00	Opening and introduction	All
	D1S1	09:00 - 10:00	Course introduction	SS
	D1S2	10:15 - 11:45	Orientation and AIT Campus Tour	All
	Module 1: Project cycle, feasibility, & irrigation/drainage investigation			
	D1S3	13:00 - 15:00	Irrigation System Planning, Development & Management [L]	MSB
	D1S4	15:15 - 17:15	Feasibility study preparation [L]	VPP
Day-2 14 Aug (Fri)		18:00 - 20:00	<i>Welcome dinner</i>	All
	D2S1	08:30 - 10:00	Feasibility study preparation [L]	VPP
	D2S2	10:15 - 11:45	Introduction of irrigation & drainage structures [L]	TT
	D2S3	13:00 - 15:00	Introduction of irrigation & drainage structures [P]	TT
	Module 2: Hydrology, water resources and climate change impacts/adaptation			
Day-3 15 Aug (Sat)	D2S4	15:15 - 17:15	Water resources assessment [L]	VS
	D3S1	08:30 - 10:00	Water resources assessment: examples [L+P]	VS
	D3S2	10:15 - 11:45	Water resources assessment: examples [P]	VS
	D3S3	13:00 - 15:00	Water resources assessment: demo of tools [P]	VS
Day-4 16 Aug (Sun)	D3S4	15:15 - 17:15	Water resources assessment: demo of tools [P]	VS
	Free time to explore culture, society and market			
Day-5 17 Aug (Mon)	D5S1	08:30 - 10:00	Climate change impact analysis - concept/tool/data [L]	SS
	D5S2	10:15 - 11:45	Climate change impact analysis - concept/tool/data [P]	SS
	D5S3	13:00 - 15:00	Climate change adaptation & mitigation plans [L]	SS
	D5S4	15:15 - 17:15	Climate change adaptation/mitigation: case study [P]	SS
Day-6 18 Aug (Tue)	Module 3: Crop water requirements - theory, tools, and applications			
	D6S1	08:30 - 10:00	Agronomy analysis [L]	AD
	D6S2	10:15 - 11:45	Crop water requirement [L]	VPP
	D6S3	13:00 - 15:00	Crop water requirement [P] - CROPWAT & CLIMWAT	VPP
	D6S4	15:15 - 17:15	Crop water requirement [P] - CROPWAT & CLIMWAT	VPP
Day-7	D7S1	08:30 - 10:00	Crop water requirement [P] - CROPWAT & CLIMWAT	VPP

19 Aug (Wed)	D7S2	10:15 - 11:45	Crop water requirement [P] - CROPWAT & CLIMWAT	VPP
	D7S3	13:00 - 15:00	Crop water requirement [P] - Exercise with a project	VPP
	D7S4	15:15 - 17:15	Crop water requirement [P] - Exercise with a project	VPP
Day-8 20 Aug (Thu)	D8	08:00 - 18:30	Field visit [F]: Pa Sak Dam at Lop Buri, its headwork, and irrigation system components; overnight stay in Bangkok	All
Day-9 21 Aug (Fri)	D9	09:00 - 21:00	Field visit [F]: Royal Irrigation Department (RID), their facilities and Pak Kret Demonstration Field; cruise dinner in Bangkok	All
Day-10 22 Aug (Sat)	D10S1	08:30 - 10:00	Crop water requirement [P] - reporting & presentations	VPP
	D10S2	10:15 - 11:45	Crop water requirement [P] - reporting & presentations	VPP
	Module 4: Socio-economic, financial, environmental, and institutional analyses			
	D10S3	13:00 - 15:00	Social and stakeholder analysis [L]	JKR
	D10S4	15:15 - 17:15	Institutional analysis [L]	JKR
Day-11 23 Aug (Sun)	Free time to explore culture, society and market			
Day-12 24 Aug (Mon)	D12S1	08:30 - 10:00	Environmental impact analysis [L]	VN
	D12S2	10:15 - 11:45	Environmental impact analysis [P]	VN
	D12S3	13:00 - 15:00	Economic and financial analysis [L]	DJ
	D12S4	15:15 - 17:15	Economic and financial analysis [P]	DJ
Day-13 25 Aug (Tue)	Module 5: Technology (e.g. surveying/mapping, GIS, Agro-advisory, etc.)			
	D13S1	08:30 - 10:00	Topographic survey and mapping [L]	TT1
	D13S2	10:15 - 11:45	Topographic survey and mapping [P]	TT1
	D13S3	13:00 - 15:00	Geological & geotechnical investigations [L]	US
	D13S4	15:15 - 17:15	Application of GIS in feasibility studies [L]	SN
Day-14 26 Aug (Wed)	D14S1	08:30 - 10:00	Agro-advisory system demonstration [L]	GS
	D14S2	10:15 - 11:30	Exposure visit to RIMES (Regional Integrated Multi-Hazard Early Warning System for Africa and Asia)	GS
	D14S3	11:30 - 12:00	Evaluation, certificate distribution & official closure	All
	D14S4	12:00 -	Closing Lunch (@ AIT Conference Center) & Free Time	All

10:00 - 10:15h: Tea/Coffee break [Morning]; 11:45 - 13:00h: Lunch Break

15:00 - 15:15h: Tea/Coffee Break [afternoon]; 13:00 - 14:00h: Prayer time [Fridays]

L: Lecture & Discussion; **P:** Practical/Exercise; **F:** Field Visit; **SID:** Session ID; **RP:** Resource Person

AD: Dr. Avishek Datta; DJ: Dr. Jourdain Damien; GS: Dr. Govindarajalu Srinivasan

JKR: Prof. Jayant K. Routray; MSB: Prof. Mukand S Babel; SN: Dr. Sarawat Ninsawat;

SS: Dr. Sangam Shrestha; TT: Prof. Tawatchai Tingsanchali; TT1: Dr. Taravudh Tipdecho; US: Upendra Sah



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Ministry of Energy and Water
Islamic Republic of Afghanistan

VN: Dr. Vilas Nitivattananon; VPP: Dr. Vishnu Prasad Pandey; VS: Dr. Victor R Shinde