

Duties and Responsibilities of Irrigation Water Management Division

(English Version)

Irrigation Water Management Division is responsible for:

1. Serve as the center of planning and implementation on researches, tests, trails, demonstrations, and analysis for the appropriate data for irrigation in farm level, for development and improvement to increase the efficiency of irrigation system.

2. Regulate, supervise, and verify the tasks of planning, investigation, analysis, research including data collection and research on the effect of water quality to crop and to agriculture according to FAO standard in order to maintain the water resources under the regulation of RID and to be used for water management criterion as well as other relevant activities.

3. Regulate, supervise, and verify the tasks of planning, investigation, analysis, research on various irrigation schemes in order to obtain data to be used for planning, design, development, and improvement to increase the efficiency of irrigation system.

4. Regulate, supervise, and verify the survey of planting and other agricultural activities in irrigable area which will be statistically utilized for daily, weekly, and monthly water management planning in the river basin level, provincial level, and O&M Project level during rainy and dry seasons. The irrigating plan for any season can also be adjusted promptly and properly in accordance with the availability of supply water.

5. Analyze, research, and develop the appropriated technologies for statistical reliable tracking and forecasting the trends of planting area and economic crop productions in irrigable area. The irrigable area water management and profit return evaluation guidelines can then be effectively defined.

6. Regulate, supervise, and verify the successful and good quality research results/technical papers transferring and dissemination of Irrigation Water Management Division within a given time frame to the right target group with accurate information.

7. Corporate with involved official organizations of cropping, fisheries, and livestock for appropriate quantity and quality of irrigation water, as well as to work with or support the relevant tasks as a representative for the integrated management of the higher authority.

8. Regulate, supervise, and verify the technical information services for water consumptive use, irrigation water quality data, irrigation methods, irrigable area and land utilization statistics in irrigation projects as the central agency of irrigation water management issues.

9. Advise and recommend the irrigation water management technical issues as well as other work related to the responsible tasks in order to achieve the objective of the division.

10. Working with or supporting other relevant agencies to achieve the goal according to the mission of Office of Water Management and Hydrology or other assigned mission.

Irrigation Water Management Division comprised of 3 branches and 9 experiment stations as follows:

1. Irrigation Water Management Research Branch is responsible for:

1) Planning, studying, analysis, and research on water consumptive use, farming system, and organic farming in term of water requirement, crop coefficient and reference crop evapotranspiration, irrigation interval, appropriate water for various soil types, local climate, and growth stages of crops. The obtained data will be used for planning, design, development, and improvement to increase the efficiency of irrigation system.

2) Collecting the data, study, explore, analyze the effect of water quality to crop and to agriculture according to FAO standard in order to maintain the water resources under the regulation of RID and to be used for water management criterion as well as other relevant activities.

3) Study on various use of irrigation water in order to obtain information to be used in planning, designing, development, and improvement to increase the efficiency of irrigation system.

4) Planning or joint implementing work plans on initiatives or research projects of the Division, integrated implementation with other agencies, and any assigned works, as well as solving any task problems to successfully achieve the goal within time frame.

5) Technical information service on water consumptive use, water management in farming system and organic farming in term of crop water requirement, crop coefficient and reference crop evapotranspiration, suitable irrigation interval, water quality, and irrigation methods in order to support RID mission to achieve the goal and to be the data center for irrigation water usage.

6) Working with or supporting other relevant agencies or assigned activities to achieve the designated goals.

2. Irrigation Water Management Statistic Branch is responsible for:

1) Study, investigate, analyze, research on planting area statistical data and agricultural activities in irrigable area for cropping pattern planning according to water supply

2) Study, analyze, and process on the feasibility and statistical discrepancy evaluation of planting area and agricultural activities statistical data for forecasting the planting area and economic crop productions in order to determine the tendency of water management and to evaluate the cropping returns in irrigable area.

3) Study, analyze, develop, and create irrigation water usage and agricultural activities database, also generate irrigation water statistical data and reports including the agricultural information disseminating to officials and involved people for effective applications.

4) Study and research on appropriated statistics and technologies to formulate technical pattern and methodology for the preparation of research projects, which will produce the implementing guidelines that will support the irrigation water usage statistical

tasks effectively also accurately monitor, extrapolate, and forecast the planting areas and economic crops products in irrigable area.

5) Advise and prepare agricultural information media to be distributed to relevant agencies, farmers, entrepreneur, and general public in order to apply the information for the best practices.

6) Work with or supporting other agencies or assigned mission in order to achieve the designated goals.

3. Irrigation Water Management Dissemination Branch is responsible for:

1) Planning and disseminate study results and research outcome on irrigated agriculture, determine the guideline on irrigation water management demonstration as well as monitoring and evaluation the dissemination to achieve the designated goals both in quantity and quality in order to make the information dissemination be most effectively, appropriately and useful to farmers and water user groups.

2) Planning or joint planning the work plans or agricultural media dissemination project at division and branch levels, also solving work problem to achieve the goal effectively within time frame.

3) Coordinate with Irrigation Water Management Experiment Stations and other Regional Irrigation Office to launch demonstration or testing plots on the proper irrigation with respect to the specific local terrain conditions.

4) Advise and manipulate agricultural knowledge media distributed to related agencies, farmers, entrepreneur, and general public for the best practice.

5) Working with or supporting other relevant agencies or assigned activities to achieve the designated goals.

4. Irrigation Water Management Experiment Station 1 (Mae Taeng) is responsible for:

1) Serve as the operation center for study and research on agricultural water requirement, less water usage, the agricultural effect on water quality, irrigation methods, water usage efficiency and adaptation based on the research outcome in order to obtain the data to be disseminated and for the demonstration on irrigation water usage as well as the use of irrigable area appropriately to gain the maximum benefits according to geography and climate.

2) Be the agricultural irrigation learning center to distribute knowledge to young waterman, farmers, and general public.

3) Coordinate with involved government agencies in the responsible areas, including joint or supporting operation as a representative agency for integrated water management to make efficiency irrigation water.

4) Working with or supporting other relevant agencies or assigned missions to achieve the designated goals.

Irrigation Water Management Experiment Station 1 (Mae Taeng) is in charge of the activities within the Irrigation Projects under supervision of the Regional Irrigation Office 1 and 2.

5. Irrigation Water Management Experiment Station 2 (Phitsanulok) has the same responsibility as Irrigation Water Management Experiment Station 1 (Mae Taeng) and in charge of the activities within the Irrigation Projects under supervision of the Regional Irrigation Office 3 and 4.

6. Irrigation Water Management Experiment Station 3 (Huai Ban Yang) has the same responsibility as Irrigation Water Management Experiment Station 1 (Mae Taeng) and in charge of the activities within the Irrigation Projects under supervision of the Regional Irrigation Office 5,6,7,8 and 9.

7. Irrigation Water Management Experiment Station 4 (Sam Chuk) has the same responsibility as Irrigation Water Management Experiment Station 1 (Mae Taeng) and in charge of the activities within the Irrigation Projects under supervision of the Regional Irrigation Office 10 and 12.

8. Irrigation Water Management Experiment Station 5 (Mae klong Yai) has the same responsibility as Irrigation Water Management Experiment Station 1 (Mae Taeng) and in charge of the activities within the Irrigation Projects under supervision of the Regional Irrigation Office 11.

9. Irrigation Water Management Experiment Station 6 (Phetchaburi) has the same responsibility as Irrigation Water Management Experiment Station 1 (Mae Taeng) and in charge of the activities within the Irrigation Projects under supervision of the Regional Irrigation Office 14.

10. Irrigation Water Management Experiment Station 7 (Pattani) has the same responsibility as Irrigation Water Management Experiment Station 1 (Mae Taeng) and in charge of the activities within the Irrigation Projects under supervision of the Regional Irrigation Office 16 and 17.

11. Irrigation Water Management Experiment Station 8 (Nakhon Si Thammarat) has the same responsibility as Irrigation Water Management Experiment Station 1 (Mae Taeng) and in charge of the activities within the Irrigation Projects under supervision of the Regional Irrigation Office 15.

12. Irrigation Water Management Experiment Station 9 (Tha Muang) has the same responsibility as Irrigation Water Management Experiment Station 1 (Mae Taeng) and in charge of the activities within the Irrigation Projects under supervision of the Regional Irrigation Office 13.