



PROJECT IMPLEMENTATION PLAN

PIP Issue Date	7 November 2019
Project Code	19-AG-32-SPP-DON-C-1
Title	National Conference on Temperature-controlled Supply Chains in Asia
Reference	Project Notification 19-AG-32-SPP-DON-C dated 6 September 2019
Timing and Duration	4–5 March 2020 (two days)
Venue	Palazzo Hotel, Bangkok, Thailand
Implementing Organization(s)	Thailand Productivity Institute (FTPI)
Number of Local Participants	100 (approximately)
Closing Date for Nominations	NA

1. Objectives

- a. To provide advanced knowledge of food value chains in Thailand;
- b. To present the best practices of temperature-controlled supply chains for agricultural products; and
- c. To contribute to increasing the productivity of the agrifood sector in Thailand.

2. Background

Temperature-controlled food supply chains are essential, especially for meat, poultry, dairy products, and fresh fruit and vegetables. They help prevent food losses, ensure food safety, and maintain customer health and satisfaction, benefiting all upstream and downstream stakeholders in food supply chains.

3. Scope and Methodology

The tentative program of activities of this international conference is as follows:

Time	Topic/Activity	Speaker/Facilitator
3 March 2020	Arrival of international resource persons	
Day 1: Wednesday, 4 March 2020, National Conference on Temperature-controlled Supply Chains in Asia		
Time	Topic/Activity	Speaker/Facilitator
08:45–09:00	Registration	
09:00–09:15	Opening remarks	
09:15–10:05	Session 1: Food value chains in Asia	Dr. Rodney Wee, Asia Cold Chain Centre, Singapore
10:10–10:20	Break	
10:20–11:10	Session 2: Cold chain logistics centers for education	Assoc. Prof. Dr. Bai-Sheng Chen, Chairman, Department of Distribution Management, Takming University of Science and Technology, ROC
11:10–12:00	Session 3: Laws and regulations governing cold chains in Thailand and other countries	Prof. Tashmai Rikshasuta, Faculty of Law, Chulalongkorn University
12:00–13:00	Lunch break	
13:00–13:40	Session 4: Status of agricultural production in Thailand	Polchet Tracho, Office of Agricultural Economics, Ministry of Agriculture and Cooperatives
13:40–14:20	Session 5: Postharvest technology	Dr. Peerapong Sangwanangkul, Department of Horticulture, Faculty of Agriculture, Kamphaeng Saen Kasetsart University
14:20–14:40	Break	
14:40–15:20	Session 6: Standard guidelines for food delivery	Katsuaki Okawara, Manager, Corporate Strategy, Yamato Holdings, Japan

15:20–16:00	Session 7: Q Cold Chain and future steps	Representative from the Ministry of Transportation, Thailand
16:00–16:30	Q&A session and closing remarks	
Day 2: Thursday, 5 March 2020, National Conference on Temperature-controlled Supply Chains in Asia		
Time	Topic/Activity	Speaker/Facilitator
08:45–09:00	Registration	
09:00–09:30	Session 8: Food safety in cold chains	Prof. Dr. Suwimon Keeratipibul, Faculty of Science, Chulalongkorn University
09:30–10:00	Session 9: Status of seafood supply chains in Thailand	Dr. Pisit Wongsan-ngasri, Head, Fishery Product Research and Development Group, Fisheries Industrial Technology Research and Development Division, Department of Fisheries
10:00–10:30	Session 10: Policies on and status of temperature-controlled supply chains in the food industry	Thai FDA
10:30–10:45	Break	
10:45–11:10	Session 11: Research on cold chains for agricultural products	Assoc. Prof. Dr. Pornthipa Ongkunaruk, Vice Department Head, Department of Agro-Industrial Technology, Faculty of Agro-Industry, Kasetsart University
11:10–11:40	Session 12: Research on refrigeration systems	Dr. Nattawut Chaomuang, Department of Food Engineering, King Mongkut Institute of Technology, Ladkrabang
11:40–12:00	Session 13: Using physical simulations to evaluate thermal properties of food containers in cold chain logistics	Dr. Ninlawan Chaitanoo, Department of Mechanical Engineering, Faculty of Engineering, Rajamangala University of Technology, Lanna, Chiang Mai
12:00–13:00	Lunch break	
13:00–14:40	Session 14: Roundtable seminar (Dairy Home, Inter Express Logistics, Makro, and Department of Industrial Promotion)	Pruitti Kertchoochuen, MD, Dairy Home Social Enterprise Co., Ltd.; Logistics Manager, Makro; Director, Division of Logistics, Department of Industrial Promotion, Ministry of Industry;

		Facilitator: Assoc. Prof. Dr. Pornthipa Ongkunaruk; Inter Express Logistics representative
14:40–15:00	Break	
15:00–15:50	Session 14: (continued) Q&A session	
15:50–16:10	Summary and closing ceremony	
Time	Topic/Activity	Speaker/Facilitator
6 March 2020	Departure of international resource persons	

4. Resource Persons

The APO will assign three international resource persons. Local resource persons from relevant agencies will be assigned by the implementing organization.

5. Requirements of Participants

Stakeholders involved in temperature-controlled supply chains of agricultural products such as representatives of farmers, warehouse operators, third-party logistics providers, retailers, government agencies, universities and research institutes, the media, and consumers' groups.

6. Financial Arrangements

To be met by the APO

- a. All assignment costs of international resource persons, covering honoraria, airfare, and daily subsistence allowances.
- b. Local implementation costs such as for conference rooms, meeting packages, conference facilities, interpretation fees, translation costs, material costs, local transportation costs, etc.
- c. The total amount of financial assistance from the APO for this national project should not exceed USD10,000.00. Please see Attachment 1 for a detailed breakdown of the approved project cost.

To be met by the implementing organization

- a. If the actual project cost exceeds USD10,000.00, the overrun should be met by the implementing organization.
- b. Other expenses not met by the APO.

7. Roles and Responsibilities

The roles and responsibilities of the implementing organization and APO are:

Implementing organization

- a. Organizing the two-day conference;
- b. Assigning a local coordinators(s) to organize the conference (e.g., conference facilities, accommodation, meeting materials and/or kits, logistics);
- c. Inviting local participants and arranging mass media coverage;
- d. Inviting and assigning local resource speakers;
- e. Making arrangements for the venue and logistics;

- f. Making copies of the meeting materials;
- g. Providing budget not provided by the APO;
- h. Meeting the balance of project implementation costs if the total amount exceeds USD10,000.00; and
- i. Submitting a project completion report to the APO, including the financial report and expenditure receipts for the project.

APO

- a. Providing financial support for organizing the project as detailed in section 6;
- b. Assigning three international resource persons for the project; and
- c. Coordinating with the international resource persons and implementing organization.

8. Procedures for Project Implementation

This project is to be implemented in close collaboration with the APO Secretariat, referred to as the APO in this document.

- a. A temporary advance of up to 50% of the total APO share will be remitted to the implementing organization, if necessary, according to the detailed breakdown of the approved project cost given in the Attachment.
- b. The project will be carried out by the implementing organization.
- c. The implementing organization will make the agreed expenditures and settle the entire account by providing all necessary proof of payment to the APO after completion of the project. The proof of payment, e.g., bills, payment records, and receipts issued by third parties, must be submitted together at one time, written in clear English, with English translations of all documents not originally written in English. The final payment will be made based on the actual expenditure after the implementing organization submits the comprehensive report. In general, internal evidence is not accepted as proof of payment and will not be reimbursed.
- d. The implementing organization will submit a project completion report and a statement of expenses supported by receipts, etc. related to the project to the APO within one month of project completion. The report will provide details on how the project was carried out in the country; program of activities; benefits and advantages to the local agriculture and food industry sector, implementing organization, and host country; and follow-up action plans, among others.

9. Final Project Output and Outcomes

Upon completion of the project, the FTPI will undertake the following:

- a. Submit a project completion report on the national conference to the APO and disseminate the report on the proceedings of the conference including recommendations to relevant government bodies such as the Ministry of Agriculture within one month after project completion.
- b. Submit a statement of expenses supported by third-party receipts/bills within one month after project completion.
- c. Submit documents and e-links relating to promotional material on the national program, e.g., newsletters, news articles, brochures, bulletins, and news clippings, written in English or the local language with an English translation of the main points.
- d. Disseminate the knowledge and experience gained to the public and private sectors through publications, consultancy services, training courses, etc.

- e. Monitor the follow-up actions undertaken by the participants or participants' organizations and report them to the APO.

Expected outcomes at the time of the assessment workshop conducted by the FTPI at the end of 2020:

- a. A deeper understanding of temperature-controlled food supply chains will have been created;
- b. At least four extension programs will have been carried out to develop temperature-controlled food supply chains in relevant enterprises;
- c. At least an 80% satisfaction rating will have been given for the implementation of participants' action plans; and
- d. Researchers, farmers' groups, government agencies, and agroindustry groups will have established networking for future research and industrial applications.

10. Follow-up Action Plans

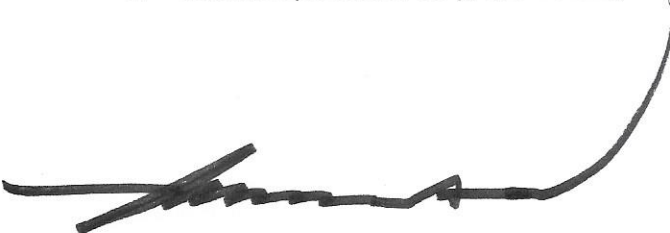
After completion of the national conference, the participants or their organizations will undertake the following:

Government agencies such as the Ministry of Agriculture, Ministry of Industry, and Ministry of Transportation and universities

- a. Include temperature-controlled supply chains in extension programs; and
- b. Coordinate among various agencies in support of awareness, extension, and promotion of temperature-controlled supply chains.

Participants

- a. Submit action plans to the FTPI for the implementation of concepts, techniques, technologies, and best practices of temperature-controlled food supply chains in their own farms, enterprises, or companies;
- b. Inform the FTPI of the expected outcomes of successful action plan implementation; and
- c. Submit requirements for government agency assistance for their own action plans.



Dr. AKP Mochtan
Secretary-General