

# राष्ट्रीय उत्पादकता परिषद्

(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार के अन्तर्गत)  
उत्पादकता भवन 5-6, इन्स्टीट्यूशनल एरिया,  
लोदी रोड, नई दिल्ली-110 003



NATIONAL PRODUCTIVITY COUNCIL

# NATIONAL PRODUCTIVITY COUNCIL

(Under Ministry of Commerce & Industry, Govt. of India)

Utpadakta Bhavan, 5-6, Institutional Area,  
Lodi Road, New Delhi - 110 003

No. 31510/22  
Dt. 31-03-2022

Sub: 22-IP-18-GE-WSP-A: Workshop on Innovative Technologies in the Perishable Product Supply Chains for Small Farmers from 24-26 May 2022, Digital Multicountry (DMC). (Visit [www.npcindia.gov.in/NPC/User/InternationalServices](http://www.npcindia.gov.in/NPC/User/InternationalServices) for detailed Project Notification).

Dear Sir,

We invite your kind attention to NPC <https://www.npcindia.gov.in/NPC/User/InternationalServices> with regard to above Asian Productivity Organization (APO) project. The project notification and the APO bio data form are available on the above mentioned page and the same are also attached herewith. The duly filled in **single copy** of Performa enclosed (in excel form only) of the suitable officers for participation as per the para (**Qualifications for Participants**) of the project notification may kindly be forwarded to reach us latest by **29th, April 2022**. In this regard, the following points may be noted.

- Fees and Charges

The Participation fees (NON-REFUNDABLE) of Rs. 500/- for MSME Sector, Trade Unions and NGO's and Rs. 1000/- for others is payable along with the nomination form for each participant.

The requisite amount can be paid through a demand draft/cheque/ECS drawn in favour of National Productivity Council, New Delhi. In the regard, the bank account of NPC details is attached herewith. Kindly e-mail the details of the ECS/RTGS/NEFT payment made, **mentioning the name of applicant in remarks**, to [mayank.verma@npcindia.gov.in](mailto:mayank.verma@npcindia.gov.in), [isg@npcindia.gov.in](mailto:isg@npcindia.gov.in), [rk.rawat@npcindia.gov.in](mailto:rk.rawat@npcindia.gov.in) Please note, in the absence of application fee, the nomination will not be considered.

- Nomination Procedure

All nominations should be routed through proper channel and as per the attached APO bio data form. The nominations received after the last date will not be considered. It is the responsibility of the candidates to complete all the official formalities required by their organizations/department for participating in the program.

It is requested to send nominations by e-mail to [mayank.verma@npcindia.gov.in](mailto:mayank.verma@npcindia.gov.in), [isg@npcindia.gov.in](mailto:isg@npcindia.gov.in), [rk.rawat@npcindia.gov.in](mailto:rk.rawat@npcindia.gov.in) (application in prescribed excel format) and one hard copy by post along with the covering letter of the competent authority on company's letter head. All information pertaining to nominations will be treated as confidential and classified. The nominated officers may be invited as a faculty in programs on the relevant subject/s, organized by NPC.

We look forward to receiving of nominations from your esteemed organization.

Thanking you,  
Yours faithfully,

(N.K.Chanji)

Dy. Director General & Head (Int'l Serv.)

for Director General

e-mail: [isg@npcindia.gov.in](mailto:isg@npcindia.gov.in)



## PROJECT NOTIFICATION

Ref. No.: 22-IP-18-GE-WSP-A-PN2200016-002

<b>Date of Issue</b>	30 March 2022
<b>Project Code</b>	22-IP-18-GE-WSP-A
<b>Title</b>	Workshop on Innovative Technologies in Perishable Product Supply Chains for Small Farmers
<b>Timing and Duration</b>	24–26 May 2022 (three days)
<b>Hosting Country(ies)</b>	Republic of China
<b>Modality</b>	Digital Multicountry
<b>Implementing Organization(s)</b>	Council of Agriculture, Executive Yuan, Republic of China, China Productivity Center, and APO Secretariat
<b>Participating Country(ies)</b>	All Member Countries
<b>Overseas Participants</b>	38
<b>Local Participants</b>	12
<b>Qualifications of Participants</b>	Policymakers and government officials, representatives of farmers/agribusiness organizations, academics, and consultants working on promotion of perishable products, development of perishable product supply chains, and extension of quality control technologies for perishable products
<b>Nomination of Participants</b>	All nominations must be submitted through National Productivity Organizations of member countries
<b>Closing Date for Nominations</b>	6 May 2022

## 1. Objectives

- a. Share the current status of supply chains for perishable products such as fruit and vegetables.
- b. Learn about technologies to maintain the quality of perishable products throughout supply chains which could be adopted by small farmers.
- c. Enhance the productivity and competitiveness of small farmers growing perishable products in member countries.

## 2. Background

Perishables such as fruit and vegetables require supply chains that reliably deliver fresh products to consumers. After harvest, long-term preservation of perishable products is difficult. Fruit and vegetables need to be sold quickly to avoid food loss and waste. For example, leafy vegetables change color quickly. Even though they are still edible, their price drops, causing retailers to lose profits. Reducing such food losses is one of the UN SDG Goal 12 targets, i.e., SDG 12.3, which states, "By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including postharvest losses."

Preservation of quality contributes not only to the stable supply of perishables to consumers but also to increasing farmers' income. To maintain the quality of fruit and vegetables, careful handling at harvest and proper environmental control postharvest are necessary. Cold chain systems are therefore indispensable for perishable supply chains.

Marketing of perishable products, however, is difficult for small farmers because they are usually located far from consumers and establishing cold chains is costly. Consequently, they often organize agricultural cooperatives and combine harvest sales. Another strategy is leveraging now readily available digital platforms. ICT facilitates connections between small farmers and consumers, and some small farmers sell products directly to consumers in urban areas through internet sites. In Japan, sales of perishable products between small farmers and agribusinesses are combined by ICT in some regions, which reduces their costs as well as maintains their freshness.

This workshop will discuss recent trends in innovative technologies for perishable supply chains, focusing on benefits to small farmers, who are the majority in APO members. In countries of East Asia and the Pacific (excluding the People's Republic of China) and South Asia, about 70-80% of farms are smaller than 2 ha (UN Food and Agriculture Organization, 2015). This workshop will also promote the goal of contributing to innovation capacity under the APO Vision 2025.

## 3. Scope, Methodology, and Certificate of Attendance

The duration of each day's sessions will be around three hours comprising presentations by experts, group discussions, and other relevant learning methods. The indicative topics of the presentations are:

Day 1:

- Overview of perishable product supply chains
- Harvest technologies to maintain fruit and vegetable quality

Day 2:

- Postharvest technologies to maintain fruit and vegetable quality
- Cold chain technologies

Day 3:

- Best practices of perishable product supply chains for small farmers

The detailed program and list of speakers will be provided two weeks prior to the sessions with announcement of the names of the selected participants.

The participants are required to attend all sessions. This full participation is a prerequisite for receiving the APO certificate of attendance.

#### 4. Financial Arrangements

- a. The APO will meet the assignment costs for overseas resource persons.
- b. The host country will meet the assignment costs of local resource persons and for a virtual site visit(s), either broadcast live or recorded as applicable.

#### 5. Implementation Procedures

Please refer to the implementation procedures for APO digital multicountry projects circulated with this document.

A handwritten signature in black ink, appearing to read 'Dr. AKP Mochtan', with a long, sweeping flourish extending upwards and to the right.

Dr. AKP Mochtan  
Secretary-General