



**UNITED NATIONS ECONOMIC AND SOCIAL COMMISSION FOR ASIA AND  
THE PACIFIC**

**CENTER FOR SUSTAINABLE AGRICULTURAL MECHANIZATION**

**TENTH SESSION OF THE TECHNICAL COMMITTEE OF CSAM**

**18-19 November 2014  
Siem Reap, Cambodia**

**REPORT OF THE TENTH SESSION OF  
THE TECHNICAL COMMITTEE OF  
CENTER FOR SUSTAINABLE AGRICULTURAL MECHANIZATION**

## **Executive Summary**

1. The 10<sup>th</sup> session of the Technical Committee (10<sup>th</sup> TC) of CSAM was held in Siem Reap, Cambodia on 18-19 November 2014. The 10<sup>th</sup> TC was hosted by the Ministry of Agriculture, Forestry and Fisheries of Cambodia.
2. Discussions at the 10<sup>th</sup> TC focused on the Centre's work report of 2014, proposed work plan for 2015, and how to tap the resources of TC members to facilitate the work of the Asian and Pacific Network for Testing of Agricultural Machinery (ANTAM). Thematic discussions were held on the merits of prototype/drawing exchange programmes among member States, and how the Centre can best facilitate technology transfer among member countries under the current situation in the region.
3. The TC members commended the work of the Centre in 2014, particularly for its initiatives and efforts in building regional platforms for enhancing information exchange and technology transfer for sustainable agricultural mechanization. TC members requested the Centre to develop a list of capacity building/training programmes for the next year, and disseminate it ahead of time to better prepare member countries for such trainings. The TC emphasized the importance of voluntary financial contribution of member countries to the work of the Centre, and requested member countries to make or increase their pledge for financial support to the Centre.
4. Mr. ZHAO Bing, Head of CSAM, made a key note presentation on RNAM's history of prototype/drawing exchange programmes and their implications on CSAM's technology transfer initiatives. Ms. AI Yuxin, Programme Officer of CSAM, presented the Centre's work report of 2014 and work plan for 2015.
5. The TC approved the Centre's work report of 2014 and its proposed work plan for 2015, and requested the Centre to submit them to the 10th Session of the Governing Council of the Centre for review and adoption.

### **I. Opening of the Meeting**

6. Dr. Saruth Chan, Director of the Department of Agricultural engineering/GDA, Ministry of Agriculture, Forestry and Fisheries of Cambodia addressed at the Opening. Mr. Zhao thanked the Cambodian government for its generous support and considerate arrangement for the meeting, and TC members for their commitment and cooperation. Mr. Zhao stressed the importance of collaboration between CSAM and its focal points in respective countries, and the critical role played by collaborating partners. Mr. Zhao said that after the strategic repositioning of CSAM, CSAM was better positioned to deliver more tailored technical assistance programmes and policy advisory services to member countries for sustainable agricultural mechanization.

### **II. Election of Officers**

7. The 10<sup>th</sup> TC elected Dr. Chan Saruth, Director of Department of Agricultural Engineering/GDA of the Ministry of Agriculture, Forestry and Fisheries of Cambodia as Chairperson, and Mr. Shreemat Shrestha, Division Chief of Agricultural Engineering Division of Nepal Agricultural Research Council, as Vice-Chairperson.

### **III. Attendance**

8. Representatives from 15 countries, i.e. Bangladesh, Cambodia, China, Fiji, India, Indonesia, Malaysia, Mongolia, Nepal, Pakistan, Philippines, Russia, Sri Lanka, Thailand and Viet Nam participated in the 10<sup>th</sup> TC.

### **IV. Work Report of 2014 and Work Plan for 2015**

9. Since the 9th TC held on 17-18 October 2013 in Bhopal, India, CSAM had implemented the following major programme activities:
  - i. Regional Policy-makers Roundtable on the Asian and Pacific Network for Testing of Agricultural Machinery (ANTAM), Bangkok, Thailand, 18 November 2013;
  - ii. Multi-Stakeholder Consultation on Sustainable Agricultural Mechanization Strategies for the Asia-Pacific in collaboration with FAO-RAP, Bangkok, Thailand, 26-27 June 2014;
  - iii. 2<sup>nd</sup> Regional Forum on Sustainable Agricultural Mechanization in Asia and the Pacific in collaboration with Indonesian Agency for Agricultural Research and Development (IAARD) and FAO-RAP, Serpong, Indonesia, 9-11 September 2014;
  - iv. 1<sup>st</sup> Annual Meeting of the Asian and Pacific Network for Testing of Agricultural Machinery (ANTAM) in collaboration with China Agricultural Machinery Testing Centre of the Ministry of Agriculture of China, Beijing, China, 16-19 September, in conjunction with Session V of the 18<sup>th</sup> World Congress of International Commission of Agricultural and Biosystems Engineering (CIGR);
  - v. Regional Roundtable of National Agricultural Machinery Associations in Asia and the Pacific, Wuhan, China, 28-30 October 2014;
  - vi. Regional Workshop on Establishing a Regional Database of Agricultural Mechanization in Asia and the Pacific in collaboration with the Ministry of Agriculture, Forestry and Fisheries of Cambodia, Siem Reap, Cambodia, 17-18 November 2014;
  - vii. A publication on testing of agricultural machinery in the Asia-Pacific.
10. CSAM proposed the following major programme activities for 2015:

- i. 3<sup>rd</sup> Regional Forum on Sustainable Agricultural Mechanization in Asia and the Pacific in concurrence with a major regional/national agricultural event with machinery on-site demonstration as side event, date, theme and venue would be decided in consultation with member countries;
- ii. ANTAM: a) 1st Technical Working Group of ANTAM in late April or early May 2015; b) A training programme for testing engineers on testing codes and procedures of power tillers, sprayers and ROPS of tractors in the first half of 2015; c) 2<sup>nd</sup> annual meeting of ANTAM in late 2015;
- iii. To design a work plan for building of regional database of agricultural machinery and conduct a survey;
- iv. To promote implementation of sustainable agricultural mechanization strategy (SAMS) in collaboration with FAO-RAP through Sustainable Mechanization Across Agri-food Chains Network for Asia and the Pacific Region (SMAACNET);
- v. 2<sup>nd</sup> meeting of the Regional Council of Agricultural Machinery Associations in Asia and the Pacific (ReCAMA) in late 2015;
- vi. A training course organized for the Korean Academy of Agricultural Sciences of the Democratic People's Republic of Korea on conservation agriculture and agricultural mechanization;
- vii. LIFT Myanmar project on agricultural mechanization;
- viii. Project design and fund-raising for project activities in 2016-2017.

#### **V. Thematic Discussions on Re-introducing Prototype/Drawing Exchange Programmes**

11. TC members shared successful experiences in commercialization and adaptation of agricultural machinery as a result of the prototype exchange programmes initiated by RNAM. TC members noted that while small manufacturers had benefited from previous programmes, reintroduction of the programme should be cost-effective and demand-driven particularly in light of improved engineering capacity of member countries and the development of information and communication technologies. TC members emphasized that under present situation the private sector should play a lead role in the process. To ensure successful exchange programmes, CSAM should first collect the demand of member countries, design a framework of how to proceed, and develop a list of new technologies that were in great demand by member countries. Technologies should cover both production and post-production side. CSAM should assist member countries in establishing collaboration with the private sector, and play a role of a clearing house to facilitate design exchange. To start with, CSAM website could introduce on-line exchange of drawings and knowledge, including video clips to demonstrate latest

technologies. Intellectual property rights should be properly addressed in the process. ENAMA also shared its experience in how public funds helped commercialization of technologies, based on the needs of farmers, and emphasized the importance of testing of agricultural machinery.

#### **VI. Date and Venue of the Tenth Session of the Technical Committee**

12. Nepal and the Philippines expressed willingness to host the 11<sup>th</sup> Session of the Technical Committee of CSAM in 2015. Final decision on the date and venue would be confirmed through consultations with member countries.

#### **VII. Adoption of the Report**

13. The report of the 10<sup>th</sup> TC was adopted on 18 November 2014, Siem Reap, Cambodia.

### **ANNEX**

Annex I: List of participants

Annex II: Agenda

Annex III: Work report of 2014 and work plan for 2015