



# **Country Presentation Paper**

**(INDIA)**

**The 10th Session of the Technical Committee of CSAM  
&  
Regional Workshop on Establishing a Regional Database of  
Agricultural Mechanization in Asia and the Pacific**

17-19 November 2014

Siem Reap, Cambodia

(Kanchan K. Singh)  
Assistant Director General (Engineering)  
Indian Council of Agricultural Research  
New Delhi, INDIA

## **I. Overview of the statistics system for agricultural mechanization in India**

### a) Responsible agency

No agency is responsible for statistics related to agricultural mechanization in India. However, some efforts are being made under the Indian Council of Agricultural Research, New Delhi through following two institutes.

- i. Central Institute of Agricultural Engineering, Bhopal
- ii. Indian Agricultural Statistics Research Institute, New Delhi

### b) Channels, ways and frequency to collect, report and disseminate the agricultural mechanization statistics

The information on data related to tractors and power tillers in India are compiled periodically by Tractor Manufacturers Association and Power Tiller Manufacturer Association, respectively. However, there is no systematic data collection system for use of farm machinery in Indian agriculture.

### c) Quantity and quality of agricultural mechanization statistics

The quantity and quality of collected data about tractor and power tillers is reliable. However, the information about region specific agricultural mechanization is collected by SAUs and data are not regularly collected and monitored.

### d) Does agricultural census cover component of agricultural mechanization?

No

## **II. Gaps and Needs**

### a) What are the challenges and constraints for the statistics collection and management?

Large number of farm tools, equipment and machinery are produced in unorganized sector.

- b) What are the minimum data and statistics requirements of agricultural mechanization in your country?

There is no minimum statistics requirement of agricultural mechanization in India except for tractors and power tillers. For other machinery, it varies from case to case basis.

### **III. Solutions and Suggestions (Both State and Regional Perspective)**

- a) How to improve the current statistics collection and management?

The statistics collection and management related to farm mechanization in India should form part of Agricultural Census and information should be collected by trained man-power periodically.

- b) Needs and feasibility of establishing a regional database of agricultural mechanization in Asia and the Pacific

The database of mechanization will be the yardstick for researchers and policy makers in the region for formulating long term agricultural mechanization policy. The strategic location of country favours the need for establishment of regional database of agricultural mechanization in Asia and the Pacific which will be instrumental in strengthening quality database in neighbouring countries of this region.

- c) How you could contribute to the proposed regional database of agricultural mechanization?

India may coordinate among member countries in lead role for quality data collection and compilation of data base following uniform format.