

Proceedings of RuTAG-IIT Delhi Regional Workshop Haryana held on 27th November, 2013 at Social Centre for Rural Initiative and Advancement (SCRIA), Khori, Rewari (Haryana).

The RuTAG-IIT Delhi Regional Workshop Haryana was held on 27th November, 2013 at Social Centre for Rural Initiative and Advancement (SCRIA), Khori, Rewari (Haryana).

The list of participants is given in the Annexure.

After Introduction, Shri Sundar Lal, Director, SCRIA, Khori welcomed the Officials came from RuTAG-IIT Delhi and the participants came from various NGOs and Gram Panchayats of seven districts of Haryana – Rewari, Mahendragarh, Gurgaon, Jhajjar, Bhiwani, Mewat and Rohtak .

Prof. Rajendra Prasad, Coordinator, RuTAG-IIT Delhi thanked to Shri Sundar Lal for the cooperation extended in organizing the workshop. He welcomed the representatives of the NGOs and Panchayat Functionaries for participating in the workshop. Introducing RuTAG-IIT Delhi, Prof. Rajendra Prasad expressed gratitude to Prof. S.K. Saha, Prof. Ajit Kumar and Sri Chandra Mohan, for sparing their valuable time for participating in the workshop.

Prof. Rajendra Prasad apprised the participants about Office of Principal Scientific Advisor (PSA) to the Govt. of India's views and concerns regarding Science & technology support to rural masses. He emphasized that any technology related demand driven problems may be identified in the rural areas. The existing technology available concerning the solution to the problem and available R&D institutions which are working on the related problems are identified to address the problems and find out solutions. RuTAG-IIT Delhi can immediately take up some of the problems from available fund at its level without posing the proposals to the Central RuTAG.

Shri Ram Kumar, indicated on crisis in agriculture. He told that agriculture is a profession of loss now-a-days. Even sons of farmers are not willing to work in agriculture. Diesel is very costly, labour is also very costly. Even labour for agriculture is not available. There is need to shift from the existing pattern of agriculture. Alternative agriculture is required. There should be technology for use of minimum water in agriculture.

Prof. Rajendra Prasad deliberated on use cook stoves in the villages. He mentioned that about 13 lakhs dies due to smoke pollution. He emphasised for introduction and popularisation of improved cook stoves. In this 90% emersion has been reduced. The improved cook stove can give temperature about 600-700 degree Celsius. It generate electricity by which LED for light can be used and mobile can be charged. He introduced Ms. Fiona Lambe - a Lady came from Stockholm University of Swedon for conducting survey about of use of traditional cook stoves being used in the villages. She will explore the possibilities to use the improved cook stoves.

Prof. S. K. Saha deliberated on standardized Animal Driven Gear Box for water lifting which can lift water from 150 ft depth. He told that besides water lifting the gear box is also being tried to run Flour mill, Paddy threshing and electricity generation. The participants indicated that water table in the area is about 200 ft.depth. So RuTAG-IIT Delhi should work to lift the water from the depth of about 200 ft. by the Animal Driven Gear Box. Besides, Prof. Saha

also deliberated on the Treadle pump improved under RuTAG-IIT Delhi and improved device for making Tulsi Mala Beads. He also deliberated about Sheep sharing machine, Carpet loom, Carpet semi-automatic washing machine, drying chamber and squeezing machine and Carpet trimming machine.

Prof. Ajit Kumar deliberated on Bullock Driven Tractor which is being improved under RuTAG-IIT Delhi. The participants were interested to adopt the Bullock Driven Tractor in their areas. Besides, Prof. Ajit Kumar also deliberated on use of multiple Bullock pairs for electricity generation. Shri Satpal Singh, Sarpanch Dahina village appreciated the efforts and assured to provide field and multiple Bullock pairs for conducting field trials for electricity generation.

Shri Jagdish singh Yadav of Rewari told that Mustard and Bajra is grown in Haryana but there is no research institution for this in the area. Short duration crops need to be developed. There is need of demonstration about the technology for awareness generation among the target groups. Environment friendly technologies need to be promoted. There should be recycling of Plastic bags and other such other products which create health hazard after use. There is need to promote the use of solar energy. Rural craftsmen should be supported. Biomass technologies may be promoted.

Shri Chandra Mohan deliberated on the use of Fruwash for increasing shelf life of fruits and vegetables. The application of fruwash on Bottle guard was demonstrated.
