

Tour Report

A meeting of farmers of local villages was conducted on 18th December 2011 at Bajladi Village, Yamuna Valley, District Uttar Kashi (Uttarakhand) in the chairmanship of Shri Yashwant Kumar, Block Pramukh, Naugaon. Dr. Jagpal Singh of RuTAG-IIT Delhi, Shri Prem Badakoti, Vice-Chairman KVIB, Uttarakhand, Shri Brajendra Pal Singh, Chairman, RuTAG UP and Shri Gopal Upadhyaya, Convenor UP were present in the meeting.

Following problems emerged during the discussion:

1. Shri Suresh Anand of Tian Village told that each family has average 5 plants of Chullu (Khumani). Chullu ripens in the month of June - July. The production of Chullu is about 300 Qtls per village, most of which go waste. He raised the problem of utilization of the fruits of Chullu. It was told that a little quantity of pulp of chullu is used for preparation of Chatni while most of the pulp goes waste and is not used for any purpose. A little quantity of the seed is used for oil extraction. While the pulp can be used for preparation of Solid (Poly), Papad, candy (Chuldi) (Skin+ Pulp) etc. The seed is broken with the help of stone as no tool for decortications is available. The seed is used for extracting oil. It has 50% oil in the seed. The cake has pesticides property. The technology for complete utilization of fruit is required. The technology/ tool for decortications is needed. If the available quantity of Chullu is completely processed into Chatni, Powder, Papad, oil etc., it can be an important source of income for the villagers. The responsibility of its implementation was taken by Shri Yashwant Kumar, Block Pramukh, Naugaon (Mob: 9411553856) Shri Shanti Prasad, Pradhan, Tiya (Mob:9411633316), and Shri Suresh Prasad (Mob:8958257481).
2. The villagers emphasized on the need of technology for Green House/Poly House for cultivation of off-season's vegetables which can give better price to the farmers in hilly region. Shri Yashwant Kumar, Block Pramukh, Naugaon (Mob: 9411553856) was requested to help the villagers for this.
3. The need of technology for use of Bhimal fibre in Textiles was also raised in the meeting. Shri Prem Badakoti, Vice-Chairman of KVIB Uttarakhand (Mob:9412052032) assured the villagers to help them in providing the technology.
4. One of the problems raised was support for erecting of the Tomato plants to get more fruits from each plant. At present the twigs of the trees are used for erecting of Tomato plants but these twigs can be used in one season only and

are replaced every year. Shri haldhar Singh was given the responsibility to attend to this matter.

5. The villagers raised the issue of transportation of Apple and Tomatoes from fields to the place of departure for Mandi in which Rope Way is the best solution. Forest Department do not give permission for installation of the Rope Way. They requested to help in obtaining No Objection Certificate (NOC) from Forest Department for installation of rope Way over Forest land. Shri Prem Badakoti, Vice-Chairman of KVIB Uttarakhand (Mob:9412052032) assured the villagers to help them in this regard.
6. The villagers raised the problems of Pine leaves which is available abundantly and of no use. The need technology for its utilization. The Pine leaves can be used in Pyrolysing and Briquetting. Shri Yudhvir Singh Rana and Suresh Anand Ji were given the responsibility to take up this problem.
7. Shri Jayendra Singh Rana raised the need of technology for Smokeless Chulhas. However he raised the issue that the Chulha should be in series of two or three.
8. The team visited Rope Way installed by HARK, Dehradun in January 2007 at Dhari Kafnol Farmers' Agro Processing and Marketing Pvt. Ltd. with the financial support of SHGW, Netherland. The technology was provided by IIT Roorkee and the unit was setup by SJS Rishikesh at the cost of Rs.5.50 Lakhs. The Rope Way bring 60 Kg. load of Fruits/Vegetables down and 20 Kg. up. The length of the Rope way is 1200 meters.
9. The villagers told that there is a unique cluster of 33 Villages of 16 Village Panchayats (2 Nyaya Panchayats) with 18000 population of 2000 families. There 450 hectares of cultivable land is available which can be used in agriculture. Besides Chullu and Akhrot can be planted in 1000 hectares of barren land. In this area no chemical fertilizers and pesticides are used in agriculture and in this area agriculture is purely organic. The villagers told that there is a vast scope of processing of fruits and vegetable in this region. The production of some of the fruits and vegetables told by the villagers are as follows:

Sl. No.	Particulars	Grade 'A'	Grade 'B'
1	Apple	1500 Tonnes	300 Tonnes
2	Khumani (Chullu)	1000 Tonnes	750 Tonnes
3	Naspati	100 Tonnes	50 Tonnes
4	Tomato	1200 Tones	300 Tonnes
5	Akhrot	100 Tonnes	-----

10. The villagers told that there are 5 more cluster of this type are in Yamuna valley where similar type operations can be done. These are:

- i. Naugaun
- ii. Rajgarhi
- iii. Purola
- iv. Gadoli
- v. Netri

The meeting was concluded with the vote of thanks by Shri Gopal Upadhyaya, Convenor of RuTAG-UP & Uttarakhand.

Tour Report

A meeting of farmers of local villages was conducted on 19th December, 2011 at Maneri, Ganga Valley, District – Uttar Kashi (Uttarakhand) in the chairmanship of Shri Prem Badakoti, Vice-Chairman, KVIB, Uttarakhand. Dr. Jagpal Singh of RuTAG-IIT Delhi, Shri Brajendra Pal Singh, Chairman, RuTAG UP, Shri Gopal Upadhyaya, Convenor UP, Shri N.K. Singh, District Horticulture Officer, Uttar Kashi and local farmers and villagers associated with food processing were present in the meeting.

Maneri is located on way to Gangotri at a distance of about 13 kms. from Uttarkashi. It is a place of tourist interest as a result of the construction of a dam across the Bhagirathi river, from

where the water is fed to the turbines through an 8 km long tunnel at Tiloth in Uttarkashi. The resultant lake at Maneri has added to the charm of the place.

Shri Brajendra Pal Singh welcomed the participants. After self-introduction of all the participants the background of the meeting and introduction of RuTAG was deliberated.

Following problems/needs emerged during the discussion:

1. The farmers raised the major problem of Monkeys in the Fields who destroy the standing crops.
2. Shri Chandra Shekhar Chamoli (9627703521) who was already running a watermill raised the need of the technology for improved water mill with more power.
3. Shri Shoorveer Singh Rawat (Mob:9456119722) stated that he had to lift water from from 5 Ft. depth. He desired to install a Treadle Pump.
4. Shri Gajendra Singh (Mob:9411572130) proposed to set up a Biogas plant in the Hostel for the Earth quake victim Children.
5. Shri Harish Dangwal (MSW) and Shri Gaurav Singh Chahal apprised in detail about the Cow Urine Collection Centre.
6. Shri Dalveer Singh Chouhan (9411748240) told about production of 40 qtls. Chappan Kaddu in the area of 2 Nali.
7. Shri N.K. Singh, Technical Officer, Horticulture Deptt. (Mob. 9412312064) told that there is 65000 metric tons Apple production in Harsil. There are 3 varieties of Apple according to the hight at which they are grown these are of High, Medium and high altitude varieties. For germination of the Apple 360 hrs chilling break is must. Plantation of Pollinizer plants is must.
8. The team visited Cow Urine Collection Centre at Tekhla, Gangori, Uttarkashi. Dr. Sajjan Singh, Project Manager, Cow urine Collection and Processing centre Patanjali Gamodhhyog, Uttarkashi (Mob:7579056312) told that the Centre make payment of Rs. 60 lakhs to the Cow Urine collectors of 14 villages. The processed Cow Urine is sent to Paytanjali Yogpeeth at Haridwar.
9. The Team visited Water Mills of Shri Chandra Shekhar Chamoli at Geonla village. Shri Mangal Singh, Village Pradhan of Geonla village ,Patti- Barsali (Mob:9997837682) promised for installation of 2000 Smokeless Chulhas in 5 Villages of Doda Block for which he will obtain resolutions from each of 5 Gram

Sabhas. He said that Badeti Nyaya Panchayat could purchase models of chulha for demonstration to the villagers.

10. The team visited Ratudi Shera, Village Garh, Block Dunda, District -Uttar Kashi to see the potential site for installation of Micro Hydel Power Plant. 60 houses at a distance of 500meters may be benefitted by this unit rom electicity generation and Flour Mill. Shri Virendra Prasad Bahuguna may be contacted at Mob:9917753132 for this site.

Thus the team concluded its visit to Uttar Kashi.
