

October
2021

Report on 1-day Block Level Workshop on Crop Residue Management (CRM) at Block- Sri Hargobindpur, Gurdaspur.

Submitted By

Feedback Foundation



Contents

I. INTRODUCTION	2
2. KEY PARTICIPANTS.....	2
3. Agenda of the Workshop	3
4. Brief Details about the Workshops	3
i. Setting the Context:.....	3
ii. Waste Perspective and waste categories:.....	3
iii. Technology options	4
iv. Address by representative of Rana Sugar Mill:	5
v. Open discussion:.....	5
i. Vote of Thanks:.....	6
ANNEXURE 1: LIST OF PARTICIPANTS ATTENDED THE WORKSHOP.....	7
ANNEXURE 2: SCHEDULE OF MOBILISATION MEETING DECIDED BY THE 3 VILLAGE SARPANCHS.....	8

I. INTRODUCTION

A block level workshop on CRM held at Sri Hargobindpur (SHP) block on 6.10.2021. Purpose of the workshop was to sensitize the block level officials of Rural development and Panchayat Raj, Agriculture department and selected village representatives of Qadian about the effective use of crop residue but not to burn.

Entry on the subject was made through Solid Waste Management (SWM) because of the two reasons:

1. Crop residue is a part of solid waste of agricultural waste under three category of waste generated i.e. waste generated by human, animal and agriculture.
2. Looking into the present scenario of farmers agitation it was decided in discussion with district team that let's make entry into CRM through SWM to avoid the anger of the farmers.



2. KEY PARTICIPANTS

The key participants who participated in the workshop were Block Development and Panchayat Raj Officer (BDPO) of SHP block and his team members, Agriculture Officer SHP and his ADOs, General Manager of Rana Sugar Mill Buttar Sarpanches of selected villages like -Veela Bajju, Talwandi Bhinder and Bolewal. Total 19 participants were present in the workshop.

Workshop was facilitated by Dr. Birendra Shankar and Mr. Jagseer Singh from Feedback Foundation.

3. Agenda of the Workshop

Agenda points on which discussion held in the workshop are mentioned as under.

- Setting the context
- Waste perspective and waste categories
- Technology options
 - Operating model
 - Financial model
 - Citizen engagement
- Address by representative of Kiri Sugar Mill regarding lifting of paddy stubble
- Open discussion
- Vote of thanks

4. Brief Details about the Workshops

The workshop started by registration of participants which was followed by welcome address of BDPO SHP block. After BDPO, Agriculture Officer SHP block addressed the meeting who focused on stubble management in selected villages of SHP block. He also introduced FF representatives and asked that they will discuss about SWM including agricultural waste. The details of the workshops are as follows:



Address by Agriculture Officer

i. Setting the Context:

Feedback Foundation (FF) facilitator briefed the participants about the key objectives and importance of the workshop. He stressed upon the knowledge that participants would acquire after actively participating in the workshop. He gave a brief overview of the schedule of the workshop to all the participants.

ii. Waste Perspective and waste categories:

This session helped the participants in understanding waste in different perspectives. FF Facilitator stressed on the fact that waste is not waste, but a resource. He discussed the various perspectives of waste viz:

- **Social perspective:** Historical (Principles of Reuse was practiced in ancient India, advanced drainage & sewerage system, Higher proportion of bio-degradable waste), Cultural (Caste prejudice and notion of impurity, Low waste generation due to austerity and self-denial), Religious ('Visarjan', temple offerings immersed in water), Aesthetic (Open dump sites and rotting waste infested with pests) etc.
- **Environmental perspective:** Air Pollution (Waste burning particularly agriculture waste like stubble, methane gas emission from landfills), Water Quality (Loss of marine resources, changing course of rivers), Health (High diseases burden and IMR due to unsanitary conditions,

exposure to hazardous waste), Sustainability (Inefficient use leading to depletion of natural resources) etc.

- **Economic perspective:** Tourism (Visitors' disgust due to filthy public spaces), APL-BPL divide (Wasteful consumption by APL Households), Livelihood (Around 12 lakh informal waste pickers in India), Opportunity (SWM sector expected to be worth Rs 100,000 cr. by 2025) etc.

Waste Categories: Focusing on waste categories Dr. Shankar told that the waste is being generated in three categories those are:

- Human Waste
- Animal Waste and
- Agriculture waste



Discussion on SWM and CRM by FF representative

iii. Technology options

While discussing on technology options FF facilitator told that nothing is waste. Our effort should be to send the waste back to its originating place after due processing and treatment. He discussed in detail about the technology options for all three type of wastes

Human Waste: While discussing on technology options for human waste, FF facilitator mentioned that a village can be made zero waste by engaging community to segregate the waste at source. Processing and treatment of the segregated waste in following four categories

- ❖ Wet waste
- ❖ Dry waste
- ❖ Domestic bio- medical waste and
- ❖ Domestic hazardous waste

This can be done at a sanitation park which will be developed in the village where wet waste will be composted, dry waste will further be segregated in following 7 categories

- ✚ Paper
- ✚ Leather
- ✚ Metal
- ✚ Glass
- ✚ Fabric
- ✚ Plastic and
- ✚ Rubber

And will be sent to recyclers. Domestic bio-medical waste will be treated at incinerator through the tie up with government and domestic hazardous waste will again be sent to electronic waste handlers who will further do its treatment.

Animal Waste: For treatment of animal waste, FF facilitator discussed about the various composting methods like NADEP composting, Windrow composting etc. to treat the animal waste.

Agriculture Waste: To handle the agriculture waste, Mr. Sinha suggested two types of technology options, those are.

On-site Technology options: Under on-site technology options can be adopted are mentioned as under.

- ✓ Onsite composting by spreading the stubble in the field and sowing over it
- ✓ Mulching or soil incorporation
- ✓ Use of bio-enzyme to compost the agriculture waste within 20 days

Off- Site Technology options: Technology options which can be adopted on-site are mentioned as under.

- ✓ Use of stubble as fuel in sugar cane factories
- ✓ Use of stubble as fodder: locally collected by Gujjar community
- ✓ NADEP pit composting
- ✓ Change of cropping pattern

Discussing on technology options for agriculture waste management particularly stubble burning Dr. Shankar said that it's not a matter of only stubble burning but the behaviour change because if some farmers are burning the stubble and some are not then everyone in the village is being affected so we will use the trigger technique for behaviour change and will ask the communities if you want to stop stubble burning, every farmer should stop only then you are going to get health benefits of not burning stubble otherwise every one should burn because stopping stubble burning by a cross section of society is not going to work.

iv. Address by representative of Rana Sugar Mill:

Mr. Pratap Singh General Manager Rana Sugar Mill Buttar was present in the workshop. He said that it is a very good initiative by the district administration Gurdaspur to make 5 villages of SHP block zero waste through integrated decentralised waste management model but as we discussed in district level meeting that for processing and treatment of the village waste a sanitation park need to be developed in every intervention village but it will take time and agriculture waste for this year is ready to manage in next 15 days. To address the management of agriculture waste i.e paddy stubble this year Rana Sugar Mill will engage contractors like previous year. Along with surrounding village of our sugar mill, focus will be given to lift stubble from the 5 selected villages decided in the district level meeting at Gurdaspur as our social responsibility. Though it is a dirty fuel for us but we have made changes in our boilers to use stubble as fuel. Our contractors will go in 5 villages and lift the stubble. Contractors will engage baler machine which will collect stubble from the field.

v. Open discussion:

After address of Mr. Pratap Singh, BDPO SHP told that this is a good initiative to manage waste at village level. He said that our Panchayat secretaries (who were also present in the meeting) will identify one acre land of Gram Panchayat and notify it for sanitation park. Sarpanch from Bolewal asked that who will be responsible for managing the waste of the village, responding to him FF representative said that infrastructures for SWM will be created under SWM project of RWSS

department and FF will provide technical support to establish the system and it will be managed by the panchayat.

Looking at the paddy harvesting season, it was decided in the meeting that since it has already become late for intervention in the villages, so no entry level meeting (Pre triggering) will be organized in the villages, instead direct mobilization meeting will be organized in the intervention villages through the camp of Agriculture department.

i. Vote of Thanks:

After open discussion vote of thanks was given by Dr. Parminder Singh Agriculture Department SHP. He thanked all the participants of the workshop and expressed his concern that we will work as a team. He said that our team members will be present in village meetings and also mobilise our farmer groups to support the initiative. Outcome of the Workshop:

Following are the outcome of the one-day block level workshop.

- All the 3 Sarpanchs present in the meeting out of 5 selected villages were agreed to implement the SWM in their villages
- General Manager of Rana Sugar Mill was agreed to lift stubble from the paddy fields of 5 selected villages. They will engage their contractor with baler machine and transport services to collect and transport stubble from farmers field to Rana Sugar Mill.
- It was agreed that since it has become late so no pre triggering meeting will be conducted in villages by FF team, instead direct mobilization meetings will be conducted in all 5 selected villages. It will be started with 3 villages who's Sarpanchs were present in the meeting.
- It was also decided that Panchayat Secretary from Panchayat department. ADOs from Agriculture department and representative from Rana Sugar Mill will be present during triggering meeting in the villages.
- Sarpanchs of 3 villages who were present in the meeting gave the dates for mobilisation meeting in their villages which is attached as annexure -2

ANNEXURE 1: LIST OF PARTICIPANTS ATTENDED THE WORKSHOP

ਸਟੈਂਬਲ ਬਰਿਨੰਗ ਸਬੰਧੀ ਗਰਾਮ ਪੰਚਾਇਤਾਂ ਦੇ ਲਗਾਏ ਗਏ ਕੈਂਪ ਸਬੰਧੀ ਹਾਜਰੀ ਰਿਪੋਰਟ

ਲੜੀ ਨੰ	ਹਾਜਰ ਮੈਂਬਰ ਦਾ ਨਾਮ	ਅਹੁਦਾ	ਫੋਨ ਨੰਬਰ	ਹਸਤਾਖਰ
1	ਕੰਵਲ ਸਿੰਘ	ਪੰਚਾਇਤ ਮੰਤਰੀ	981474604	ਕੰਵਲ
2	ਮਨਜੀਤ Astur	ਪੁਰੀ ਮੰਤਰ	9988268332	Mun
3	ਅਮਰੀਧ ਸਿੰਘ	ਪੰਚਾਇਤ	9915514443	Manoj Singh
4	ਗੁਰਦੀਪ ਸਿੰਘ	12	8884959400	gurdip
5	ਗੁਰਦੇਵ ਸਿੰਘ		987689436	Gurdev
6	ਸਮੇਂਦਰ ਸਿੰਘ		9781809239	Samender
7	ਗੁਰਮਿੰਦਰ ਸਿੰਘ	ਪੰਚ	7347082628	Gurmit Singh
8	ਗੁਰਮਿੰਦਰ ਸਿੰਘ	ਪੰਚ	6284500318	Gurmit
9	ਸੁਖਦੇਵ ਸਿੰਘ	ਪੰਚਾਇਤ	9815122206	Sukdev
10	ਰਵਿੰਦਰ ਸਿੰਘ	11	88474-79145	Ravinder
11	ਰਾਜ ਮਾਝੀ ਲੁਕਾਵੰਤ	ਗਰਾਮ ਪੰਚਾਇਤ	7355100010	Raj Ma
12	ਪਰਮਜੀਤ ਸਿੰਘ ਬੰਨੋਲਾ	ਗਰਾਮ ਪੰਚਾਇਤ	9815066899	Paramjit
13	ਗੁਰਮਿੰਦਰ ਸਿੰਘ ਪੰਚਾਇਤ	ਗਰਾਮ ਪੰਚਾਇਤ	81948-16000	Gurmit
14	ਜਗਦੀਪ ਸਿੰਘ	G.R.S	9814567293	Jagdeep
15	ਦੇਵ ਸਿੰਘ	ਪੰਚ	9552766466	Dev
16	ਮੇਰੀਪ ਸਿੰਘ	G.R.S	9915722090	Merip
17	ਜਗਦੀਪ ਸਿੰਘ	ਗਰਾਮ ਪੰਚਾਇਤ	9876058037	Jagdeep
18	Jagdeep Singh	Feedback	9466597260	Jagdeep
19	Pratap Singh	G.M.	8437722222	Pratap

ANNEXURE 2: SCHEDULE OF MOBILISATION MEETING DECIDED BY THE 3 VILLAGE SARPANCHS

