

August
2022

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

Submitted By

Feedback Foundation



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I. INTRODUCTION

A block level one day workshop on CRM held at Sri Hargobindpur (SHP) block on 26.8.2022. Purpose of the workshop was to sensitize the block level officials of Rural development and Panchayat Raj, Agriculture department and selected village representatives of Sri Hargobindpur about the effective use of crop residue but not to burn.

Entry on the subject was made through Solid Waste Management (SWM) because Crop residue is a part of solid waste of agricultural waste under three categories of waste generated i.e. waste generated by human, animal and agriculture.



2. KEY PARTICIPANTS

The key participants who participated in the workshop were Representative of Block Development and Panchayat Raj Officer (BDPO) of SHP block, Agriculture Officer SHP, Sarpanches of project villages – Mandiala, Sandhwan, Sokala and Meekey. Total 7 participants were present in the workshop out of them 4 were from the selected villages.

Workshop was facilitated by Dr. Birendra Shankar and his team members from Feedback Foundation.

3. Agenda of the Workshop

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

Innaugural address

Setting the context: Discussion on solid Waste Management and CRM

Ways of managing agricultural waste

- Support by Rana Sugar mill Buttar

- Open discussion
- Felicitation of the last year champions
- Commitment for the next year
- Vote of thanks

4. Brief Details about the Workshops

The workshop started by registration of participants which was followed by welcome address By Mr. Om Lal Representative of BDPO SHP block. The details of the workshops are as follows:

i. Setting the Context:

After welcome address, Feedback Foundation's (FF) facilitator Dr. Birendra Shankar 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.



Welcome address by BDPO SHP Block

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 Mr. Sinha told that in rural areas 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 Mr. Sinha 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 Agriculture Officer SHP

Post discussion of Dr. Shankar, Mr. Paramveer Kahlo, Agriculture officer SHP addressed the meeting. He categorically focused to the farmers that department is doing all its efforts to mobilise farmers not to burn stubble. Mr. Kahlo focused upon efforts being made by agriculture department to promote use of machinery in agriculture. He shared the latest provision of subsidy on agricultural equipment to use stubble in the fields. He told that this is the first meeting of this year, further meetings will be conducted in your villages and I will join you in the villages to discuss in detail about not to burn stubble.



v. Open discussion:

Address by Agriculture Officer SHP

After address of Agriculture Development Officer, Mr. Om Lal from BDPO office SHP requested the sarpanchs present in the meeting to identify one acre land of Gram Panchayat and notify it for sanitation park. We will try to develop sanitation park to manage solid waste of the village and convert the village into organic village.

Sarpanch of Sandhwan village told that last year baler machine operator collected money from the farmers to bale their stubble. ADO SHP told that it is not in our knowledge. This year we are liaising with Rana Sugar Mill and parallel to that team Feedback Foundation will be in your village and we will jointly ensure that this should not happen.

vi. Felicitation of last year's champions

ADO SHP said that crop residue management was started last year in structured way in 5 villages of SHP block. These villages did very well and diverted about 600 hectares of stubble from burning, He said that we feel proud on these villages. He told that Agriculture department is giving an honour to these villages by providing a certificate. He invited the sarpanch of village Meekey who was present in the meeting and felicitated him with 'SAROPA' and a certificate of honour.



Felicitation of the last year's champion

vii. Commitment for this year

Team feedback Foundation took the commitment of everyone present in the meeting by signing a 'Sankalp Patra' (Letter of Commitment) for this year that they will not burn the stubble in their villages and will mobilise others also not to burn stubble. It also included the commitment to make the village zero stubble burning village. Sample of the 'Sankalp Patra' is attached as annexure- II

viii. Vote of thanks

After above session, vote of thanks was given by Dr. Birendra Shankar from team Feedback Foundation. He thanked all the participants of the workshop and expressed his concern that we will work as a team. He said that we will soon be present in village and conduct meetings to mobilise farmer groups to support the initiative. Outcome of the Workshop:

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

- All the 4 Sarpanchs present in the meeting out of 6 (9 participated in last workshop held on 9th September 2022) selected villages were agreed to implement the no stubble burning programme in their villages
- It was agreed that team FF will visit all the 6 villages to do meetings with influential leaders and thereafter all community members to mobilise them for SWM and CRM.
- 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 4 out of 6 villages present in the meeting gave the dates for mobilisation meeting in their villages.

ANNEXURE 1: LIST OF PARTICIPANTS ATTENDED THE WORKSHOP

Meeting on Solid Waste Management in 15 selected villages of Sri Hargobindpur Block

Date: 29th ²⁶ August 2022

Venue: Block of Sri Hargobind Block

Attendance Sheet

Sl. No.	Name	Designation	Department/ Gram Panchayat	Mobile No	Signature
1.	Parman Singh Kahlon	Agriculture Officer	Gram Panchayat	98729-26329	[Signature]
2.	M. S. Singh	Sanitary Inspector	Gram Panchayat	98155-14160	[Signature]
3.	Ram Singh	Member	Gram Panchayat	99760-08765	[Signature]
4.	Harjot Singh	Sanitary Inspector	Gram Panchayat	95012-32033	[Signature]
5.	Darshan Singh	Member	Gram Panchayat	95012-90758	[Signature]
6.	Om Lal	SEPO	B.O. - SHAL	9465851944	[Signature]
7.	Harman Singh	Sanitary Inspector	Santhar	8070000367	[Signature]

ANNEXURE 2: SANKALP PATRA SIGNED BY ALL

संकल्प पत्र

मैंसरपंच ग्रामब्लॉक

श्रीहरगोबिंदपुर, यह संकल्प लेता हूँ कि मैं अपने गाँव में कूड़ा- कचरा प्रबंधन के लिए पूरा प्रयास करूँगा साथ ही इस वर्ष खेती से निकलने वाले अपशिष्ट विशेष रूप से धान की पराली के प्रबंधन के लिए गाँव वालों को प्रेरित करूँगा। धान कटाई के इस सत्र में हमारा पूरा प्रयास होगा कि सभी किसान अपने पराली का उचित प्रबंधन करें।

अपने गाँव के सरपंच के रूप में मैं यह संकल्प लेता हूँ कि धान कटाई के आगामी सत्र में मैं अपने गाँव के सभी किसानों को पराली के उचित प्रबंधन के लिए प्रेरित करूँगा और उनसे यह अनुरोध करूँगा कि मेरे साथ वो भी यह संकल्प दुहरायें कि हम सभी अपने गाँव में पराली का चाहे जो भी प्रयोग करेंगे पर जलाएंगे नहीं।

दिनांक :

हस्ताक्षर :

नाम :

सरपंच ग्राम:

ANNEXURE 3: AGENDA OF THE WORKSHOP

Second block level off Meeting on Solid Waste Management for 6 Selected Villages of Sri

Hargobindpur Block

Venue: Office of the BDPO, Sri Hargobindpur

Date: 26.08.2022

Agenda of the Meeting

Session	Speaker
Inaugural Address	Mr.Om Lal, SEO BDPO Office Sri Hargobindpur (SHP) Block
Discussion on Solid Waste Management	Dr. Birendra Shankar, Feedback Foundation
Ways of managing agricultural waste	Mr. Parmaveer Kahlo, AO, SHP Block
Open session	Question answer round
Felicitatation of the last year champions	BDPO and AO SHP block
Commitment for the next year	By All
Vote of thanks	Team Feedback Foundation