PPI Project: 3RD Year
3rd Quarter progress Report (Aug-Oct'24)

"Improving water quality and community health through Bio- Sand Filter Interventions in remote villages of Nahan block, district Sirmour (HP)"

Submitted to:

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A. Brief summary of PPI project activities implemented during 1st (Feb'-Apr'24) & 2nd (May-July'24) quarter of 3rd year

With financial assistance of PPI, SATHI is implementing bio-sand water filter programme in Nahan block of Sirmour district of HP (India). During 3rd year of project (Feb'24-Jan'25) SATHI has proposed - Community mobilization & sensitization meetings in 06 villages, beneficiary selection , collection of 20% cash contribution, filter development & installation (65 nos.), user education and follow up activities. **During 1st (Feb-Apr'24) & 2nd (May-July'24) quarter of 3rd year, SATHI accomplished community mobilization, filter development-installation, user education & follow up activities in 06 target villages. Till end of 2nd quarter, SATHI distributed total 30 Nos. filters to beneficiaries. Out of total 30, 14 families were covered in 1st quarter (Feb-Apr'24); & 16 during 2nd quarter (May-July'24).** Organization has also distributed the educational material on filter use & maintenance to beneficiary community. To ensure regular use of filter among beneficiaries, SATHI team conducts monthly/quarterly follow –up visit in project region. In addition to this respective beneficiaries & their family members have been trained by SATHI in filter use, operation & maintenance.

B. Details of activities implemented during 3rd quarter (Aug-Oct'24) of 3rd Year

i. Beneficiaries selection & collection of 20 % Cash contribution

During 3rd year of PPI project, SATHI has proposed to develop & distribute 65 concrete filters which will directly benefits 455-470 population in 06 villages. During Q1, SATHI team with consultation of local SHG & PRI selected 3rd year beneficiaries of PPI project. After final selection, respective PPI project beneficiaries started collection of 20 % cash contribution towards development & installation of filters. Till end of Q2, total 30 beneficiaries deposited their filter contribution whereas during Q3 (Aug-Oct'24) additional 22 beneficiaries have deposited their cash contribution to SATHI for filter installation. Detail is as follows;-

Table: PPI project beneficiaries & collection of cash contribution (during Aug-Oct'24)

SI	Name	Village	Amount (Rs.)	Receipt No.	Date
31	Ranjana Devi-1	Panjahal	900-00	724	02-08-24
32	Meera Devi-1	Panjahal	900-00	725	02-08-24
33	Manju Devi	Panjahal	900-00	726	02-08-24
34	Sunita Devi	Panjahal	900-00	727	02-08-24
35	Shyama Devi	Panjahal	900-00	728	02-08-24
36	Nisha Devi	Panjahal	900-00	729	02-08-24
37	Nisha Thakur	Panjahal	900-00	730	02-08-24
38	Guddi Devi	Panjahal	900-00	731	02-08-24
39	Gita Devi-1	Panjahal	900-00	732	02-08-24
40	Asha Devi	Panjahal	900-00	733	02-08-24
41	Chinto Devi	Panjahal	900-00	734	02-08-24

42	Champa Devi	Panjahal	900-00	735	02-08-24
43	Rama Devi	Panjahal	900-00	736	02-08-24
44	Ranjana Devi-2	Panjahal	900-00	737	02-08-24
45	Meera Sharma	Panjahal	900-00	738	02-08-24
46	Surekha Devi	Panjahal	900-00	739	02-08-24
47	Santosh Devi	Panjahal	900-00	740	12-08-24
48	Meera Devi-2	Panjahal	900-00	741	12-08-24
49	Santosh Thakur	Panjahal	900-00	742	12-08-24
50	Kousullya Devi	Panjahal	900-00	743	12-08-24
51	Meera Devi-3	Panjahal	900-00	744	12-08-24
52	Gita Devi-2	Panjahal	900-00	745	12-08-24

ii. Bio-Sand Filter Development , Testing, Transportation & Installation :

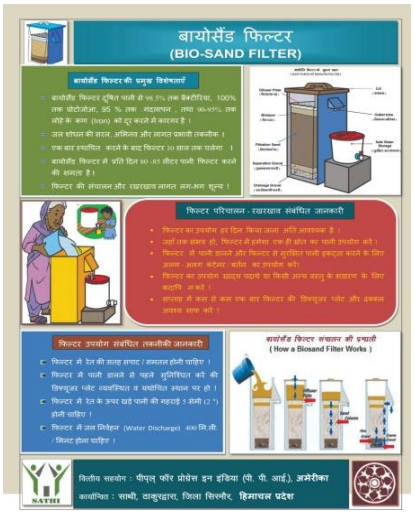
After beneficiary selection & contribution collection, SATHI initated filter construction, testing & distribution activities. SATHI constructed all concrete filters at its Thakurdwara campus and assures quality especially during molding, filling with concrete mixture & de-molding process. After construction, filters were kept under curing & water leakage testing for 5-7 days. After getting satisfied with all requisite parameters, SATHI team made proper finishing in filter through wall putty, two coats of paints, sticking of stickers indicating name of funding agency & implementing organization. Thereafter, concrete filters were transported to project village & installed (filled with filter media, fixing diffuser plate, lid, water testing etc) by SATHI at respective beneficiaries households. During Q3 (Aug-Oct'24), SATHI distributed total 22 No. of Concrete filter to beneficiaries. Detail is as follows:-

Table: Distribution of filter during Aug-Oct 24 (3rd Year)

Filter No.	Name of Beneficiary	Name of Village	Name of Gram Panchayat	Block, District
31	Ranjana Devi-1	Panjahal	Panjahal	Nahan, Sirmour
32	Meera Devi-1	Panjahal	Panjahal	Nahan, Sirmour

33	Manju Devi	Panjahal	Panjahal	Nahan, Sirmour
34	Sunita Devi	Panjahal	Panjahal	Nahan, Sirmour
35	Shyama Devi	Panjahal	Panjahal	Nahan, Sirmour
36	Nisha Devi	Panjahal	Panjahal	Nahan, Sirmour
37	Nisha Thakur	Panjahal	Panjahal	Nahan, Sirmour
38	Guddi Devi	Panjahal	Panjahal	Nahan, Sirmour
39	Gita Devi-1	Panjahal	Panjahal	Nahan, Sirmour
40	Asha Devi	Panjahal	Panjahal	Nahan, Sirmour
41	Chinto Devi	Panjahal	Panjahal	Nahan, Sirmour
42	Champa Devi	Panjahal	Panjahal	Nahan, Sirmour
43	Rama Devi	Panjahal	Panjahal	Nahan, Sirmour
44	Ranjana Devi-2	Panjahal	Panjahal	Nahan, Sirmour
45	Meera Sharma	Panjahal	Panjahal	Nahan, Sirmour
46	Surekha Devi	Panjahal	Panjahal	Nahan, Sirmour
47	Santosh Devi	Panjahal	Panjahal	Nahan, Sirmour
48	Meera Devi-2	Panjahal	Panjahal	Nahan, Sirmour
49	Santosh Thakur	Panjahal	Panjahal	Nahan, Sirmour
50	Kousullya Devi	Panjahal	Panjahal	Nahan, Sirmour
51	Meera Devi-3	Panjahal	Panjahal	Nahan, Sirmour
52	Gita Devi-2	Panjahal	Panjahal	Nahan, Sirmour

iii. User education & distribution of IEC Material



Besides concrete bio-sand filter installation, SATHI educated the beneficiary community about filter uses and, Operation and Maintenance (O&M). SATHI developed user's educational material such as Wall poster & stickers. All relevant details about bio-sand filter, its technical specifications & uses etc are highlighted in brochure and wall poster. In addition, name of funding agency, implementing organization, technical assistance contact etc are clearly mentioned through stickers placed on outer wall of installed filter. During Q3 (Aug-Oct '24), SATHI distributed filter educational material to 22 target families.

iv. Follow Up with User's

Till end of 3rd quarter of 3rd year, SATHI successfully installed total 52 no. concrete bio-sand water filters (14 in Q1 , 16 in Q2 and 22 in Q3) in 06 target villages of Nahan block, Sirmour district (HP) . In addition to filter installation & user education, SATHI team is also carrying out regular follow with beneficiary families. **On dated 16th -18th Sept 2024, SATHI team carried out 2nd follow up visit to 30 nos. filter beneficiaries families.** Data of follow up visit tabulated in Multi Follow-Up Visit Monitoring Form, which is as follows:-

Bio-sand Filter
Multi Follow - Up Visit Monitoring Form

√ If acceptable
X If unacceptable

Date of Follow-Up: 16th -18th September 2024

Filter Number	HH/Beneficiary Name	Flow rate (ml/min)	Flow Rate less than 400 ml/min	Diffuser OK	Surface of sand is flat & level	Standing water depth 4 to 6 cm	Water poured into filter is not too dirty	Filter used every day	Filter & outlet spout clean	Safe storage
1	Sudesh Bala	410 ml/m	√	√	X	√	√	√	√	√
2	Pooja Devi	405 ml/m	√	√	√	√	√	√	√	√
3	Anurdha Devi	400 ml/m	√	√	√	√	√	√	√	√
4	Rukhmani Devi	400 ml/m	√	√	√	√	√	√	√	√
5	Ajay Kumar	410 ml/m	√	√	√	√	√	√	√	√
6	Prem Lata	390 ml/m	√	√	√	√	√	√	√	√
7	Lata Manju	400 ml/m	√	√	√	√	√	√	√	√
8	Shyam Thakur	410 ml/m	√	√	√	√	√	√	√	√
9	Meera Devi	400 ml/m	√	√	√	√	√	√	√	√
10	Leela Devi	400 ml/m	√	√	√	√	√	√	√	√
11	Gur Devi	405 ml/m	√	√	√	√	√	√	√	√
12	Shakuntla Devi	320 ml/m	X	√	√	X	√	X	√	X
13	Mahima Devi	400 ml/m	√	√	√	√	√	√	√	√
14	Raksha Devi	395 ml/m	√	√	√	√	√	√	√	√
15	Lalita Devi	400 ml/m	√	√	√	√	√	√	√	√
16	Anchal Thakur	405 ml/m	√	√	√	√	√	√	√	√
17	Rubina	410 ml/m	√	√	√	√	√	√	√	√
18	Reena Devi	400 ml/m	√	√	X	√	√	√	√	√
19	Rekha Devi	400 ml/m	√	√	√	√	√	√	√	√
20	Sukuntala Devi	410 ml/m	√	√	√	√	√	√	√	√
21	Champa Devi	400 ml/m	√	√	√	√	√	√	√	√
22	Hema Devi	400 ml/m	√	√	√	√	√	√	√	√
23	Uma Devi	410 ml/m	√	√	√	√	√	√	√	√
24	Krishana Devi	400 ml/m	√	√	√	√	√	√	√	√
25	Sita Devi	400 ml/m	√	√	√	√	√	√	√	√
26	Asha Devi	410 ml/m	√	√	√	√	√	√	√	√
27	Luxmi Devi	400 ml/m	√	√	√	√	√	√	√	√
28	Shalini Sharma	310 ml/m	X	√	√	X	√	X	√	X

29	Raksha Sharma	410 ml/m	√	√	√	√	√	√	√	√
30	Geeta Devi	400 ml/m	√	√	√	√	√	√	√	√
		TOTAL √	**28**	**30**	**28**	**28**	**30**	**28**	**30**	**28**
		TOTAL X	**2**	**0**	**2**	**2**	**0**	**2**	**0**	**2**

Technician: Mr. Mohit Sharma
Supervisor: Mr. Desh Raj

As analyzed from user follow-up data; out of 30 families which were covered under follow-up visit, 28 HH are using filter regularly. Only 02 HH which were not using filter were encouraged for regular use of filter. Target families are satisfied with the quality of water filtered through bio-sand filters and beneficiaries are using it for drinking and cooking purposes.

C. Concluding Remark

With financial assistance of PPI, SATHI is implementing bio-sand water filter programme in Nahan block of Sirmour district of HP (India). Under on-going project, SATHI proposed to develop & distribute total 65 Nos. Bio-sand Filters in 06 villages during 3rd year (2024-25). **Till end of 3rd quarter of 3rd year of project, SATHI distributed total 52 Nos. filters to beneficiaries in 06 project villages. Out of total 52, 14 families were covered in 1st quarter (Feb-Apr'24); 16 during 2nd quarter (May-July'24) and 22 during 3rd quarter (Aug-Oct'24).** To ensure regular use of filter among beneficiaries, SATHI team conducts **monthly/quarterly follow –up visit** in project region. All beneficiaries & their family members have been trained by SATHI in filter use, operation & maintenance. Organization has also distributed the educational material on filter use & maintenance to beneficiary community. If some technical problems regarding filter use persist, it is rectified by SATHI team. During next quarter (Nov'24-Jan'25), SATHI has planned to cover remaining 13 HH under filter development & installation activities. Besides SATHI will also carry out a follow up visit with all 65 HH filter beneficiaries' families in PPI target villages.

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