

**PPI Project: Quarterly Progress Report  
(Dec'18 – Feb'19)**

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**“Addressing drinking water quality & health issues through sustainable bio filter technology in rural villages of Morni hills area, Panchkula (Haryana)”**

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**Submitted to:**

**People for Progress in India (PPI)  
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**Submitted By:**

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**INDEX**

<b>Sl.</b>	<b>Particulars</b>	<b>Page</b>
<b>A</b>	<b>PPI project Activities: Dec'18 - Feb'19</b> <ul style="list-style-type: none"><li>• Collection of 20% cash contribution</li><li>• Development &amp; distribution of filters ( 28 nos.)</li><li>• Distribution of IEC Material</li><li>• User follow up</li></ul>	<b>3-6</b>
<b>B</b>	<b>Concluding Remark</b>	<b>6-6</b>

### A. PPI project Activities: Dec'18- Feb'19

From Sept'18 onwards, SATHI has started implementation of PPI project activities in Haryana state. During Q1 (Sept-Nov'18), SATHI organised village level awareness meetings & training camps in 05 villages; and also develop - distributed 11 nos. bio-sand filter to PPI beneficiaries. During 2nd quarter (Dec'18- Feb'19), following activities were accomplished by SATHI:-

#### 1. Beneficiaries selection & collection of 20 % Cash contribution

Under PPI (Haryana) project, SATHI proposed to develop & distribute 55 Bio-sand filters in 1<sup>st</sup> year (Sept'18-Aug'19). Till end of Oct'18, total 11 beneficiaries provided 20% cash contribution for filter installation. During 2<sup>nd</sup> quarter, 28 more families provided their consent for filter installation and paid 20 % cash contribution; brief detail of which is as follows:-

**Table: PPI project beneficiaries & collection of cash contribution (during Dec'18-Feb'19)**

SI	Name	Name of Village/Sub Hamlet	Amount (Rs.)	Receipt No.	Date
1	Rattan Singh	Manjyon (Raji Tikari)	500	271	07-12-18
2	Purushotam Singh	Manjyon (Raji Tikari)	500	272	07-12-18
3	Ved Prakash	Manjyon (Raji Tikari)	500	273	07-12-18
4	Prem Singh	Manjyon (Raji Tikari)	500	274	07-12-18
5	Tek Singh	Late Batoli	500	275	11-12-18
6	Bharat Singh	Late Batoli	500	276	11-12-18
7	Khem Raj	Late Batoli	500	277	11-12-18
8	Lakshmi	Late Batoli	500	278	11-12-18
9	Om Prakash	Late Batoli	500	279	11-12-18
10	Krishan Singh	Late Batoli	500	280	11-12-18
11	Khem Raj	Chhamla	500	281	29-12-18
12	Jai Krishan	Chhamla	500	282	29-12-18
13	Rajnish	Chhamla	500	283	29-12-18
14	Madan Pal	Chhamla	500	284	29-12-18
15	Jagat Ram	Chhamla	500	285	29-12-18
16	Ashok Kumar	Chhamla	500	286	29-12-18
17	Tota Ram	Chhamla	500	287	29-12-18
18	Pawan Kumar	Chhamla	500	288	29-12-18
19	Mahender Pal	Chhamla	500	289	29-12-18
20	Som Nath	Chhamla	500	290	29-12-18
21	Hoshiyar Singh	Chhamla	500	291	29-12-18
22	Mukesh Sharma	Chhamla	500	292	29-12-18
23	Dharam Pal	Chhamla	500	293	29-12-18
24	Om Prakash	Chhamla	500	294	29-12-18

25	Lekh Raj	Raji Tikkri	500	295	31-12-18
26	Rikhi Ram	Raji Tikkri	500	296	31-12-18
27	Man Mohan	Raji Tikkri	500	297	31-12-18
28	Tika Singh	Raji Tikkri	500	298	31-12-18

## ii. Development & Distribution of Filters

After final selection of beneficiary & 20% contribution, next PPI project activity was construction of concrete BSF filters, their testing, transportation & installation. Due to quality concerns, SATHI constructed all concrete filters at its Thakurdwara campus. During filter making process, SATHI assures quality work especially during molding, filling with concrete mixture & de-molding process. After construction, filters were kept under curing & water leakage testing for 5-7 days. Once getting satisfied with all requisite parameters, SATHI team made proper finishing in filter through wall putty, two coats of paints, sticking of stickers indicating BSF no., name of funding agency & implementing organization, project year etc. After finishing, 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.



**Table: Distribution of filter during Dec' 18 - Feb'19**

Filter no.	Name of Beneficiary	Village	Gram Panchayat	Block, District
12	Purushotam Singh	Manjyon (Raji Tikari)	Raji Tikari	Morni, Panchkula
13	Ved Prakash	Manjyon (Raji Tikari)	Raji Tikari	Morni, Panchkula
14	Rattan Singh	Manjyon (Raji Tikari)	Raji Tikari	Morni, Panchkula
15	Prem Singh	Manjyon (Raji Tikari)	Raji Tikari	Morni, Panchkula
16	Krishan Singh	Late Batoli	Raji Tikari	Morni, Panchkula
17	Lakshmi	Late Batoli	Raji Tikari	Morni, Panchkula
18	Tek Singh	Late Batoli	Raji Tikari	Morni, Panchkula
19	Om Prakash	Late Batoli	Raji Tikari	Morni, Panchkula
20	Bharat Singh	Late Batoli	Raji Tikari	Morni, Panchkula
21	Khem Raj	Late Batoli	Raji Tikari	Morni, Panchkula
22	Tota Ram	Chhamla	Koti	Morni, Panchkula
23	Ashok Kumar	Chhamla	Koti	Morni, Panchkula
24	Khem Raj	Chhamla	Koti	Morni, Panchkula
25	Jagat Ram	Chhamla	Koti	Morni, Panchkula
26	Madan Pal	Chhamla	Koti	Morni, Panchkula
27	Jai Krishan	Chhamla	Koti	Morni, Panchkula

28	Rajnish	Chhamla	Koti	Morni, Panchkula
29	Pawan Kumar	Chhamla	Koti	Morni, Panchkula
30	Som Nath	Chhamla	Koti	Morni, Panchkula
31	Hoshiyar Singh	Chhamla	Koti	Morni, Panchkula
32	Mukesh Sharma	Chhamla	Koti	Morni, Panchkula
33	Dharam Pal	Chhamla	Koti	Morni, Panchkula
34	Mahender Pal	Chhamla	Koti	Morni, Panchkula
35	Om Prakash	Chhamla	Koti	Morni, Panchkula
36	Rikhi Ram	Raji Tikkri	Raji Tikkri	Morni, Panchkula
37	Man Mohan	Raji Tikkri	Raji Tikkri	Morni, Panchkula
38	Tika Singh	Raji Tikkri	Raji Tikkri	Morni, Panchkula
39	Lekh Raj	Raji Tikkri	Raji Tikkri	Morni, Panchkula

### iii. Distribution of IEC Material

Beside filter installation, SATHI also distributed education material (wall poster, stickers) to 28 filter beneficiaries of 2<sup>nd</sup> quarter. The details regarding bio-sand filter, its effectiveness, precautions for use of filters, technical aspects of filters etc are highlighted in wall poster. In addition, name of funding agency, implementing organization, filter number, year, technical assistance contact etc are clearly mentioned on stickers & stick on outer wall of installed filter.

### iv. Follow-up visit

Under PPI, till end of 2<sup>nd</sup> quarter, SATHI successfully installed total 39 no. (11 during 1<sup>st</sup> quarter & 28 during 2<sup>nd</sup> quarter) concrete bio-sand water filters in 05 villages of Morni region (Haryana). In addition to filter installation & user education, SATHI team is also carrying out regular follow with beneficiary families. **On dated 12<sup>th</sup>-14<sup>th</sup> Jan,20 19 SATHI team carried out 2<sup>nd</sup> follow up visit to 11 nos. beneficiaries of 1<sup>st</sup> quarter.** Data of 2<sup>nd</sup> 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: 12<sup>th</sup> – 14<sup>th</sup> Jan 2019

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	Virender	400 ml/m	✓	✓	✓	✓	X	✓	✓	✓
2	Ashwani	410 ml/m	✓	✓	✓	✓	✓	✓	X	✓
3	Baljeet	400 ml/m	✓	✓	✓	✓	✓	✓	✓	✓
4	Paras Ram	420 ml/m	✓	✓	✓	✓	✓	✓	✓	✓
5	Ravinder	400 ml/m	✓	✓	✓	✓	✓	✓	✓	✓
6	Kripal	400 ml/m	✓	✓	✓	✓	✓	✓	✓	✓
7	Kaushal Kumar	420 ml/m	✓	✓	✓	✓	✓	✓	✓	✓
8	Ajeet Kumar	380 ml/m	X	✓	✓	X	✓	✓	✓	✓
9	Suresh Pal	400 ml/m	✓	✓	✓	✓	✓	✓	✓	✓
10	Naresh	410 ml/m	✓	✓	✓	✓	✓	✓	✓	✓
11	Joginder	400 ml/m	✓	✓	✓	✓	✓	✓	✓	✓
<b>TOTAL ✓</b>			<b>10</b>	<b>11</b>	<b>11</b>	<b>10</b>	<b>10</b>	<b>11</b>	<b>10</b>	<b>11</b>
<b>TOTAL X</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>

Technician: Mr. Mohit Sharma

Supervisor: Mr. Desh Raj

**B. Concluding Remark**

With financial assistance of PPI, SATHI is implementing bio-sand water filter programme in Morni hills region of Haryana state (India). Under ongoing project, SATHI proposed to develop & distribute total 55 Nos. Bio-sand Filters in 05 villages of Morni Hills (Haryana) during 1st year (2018-19). **Till end of 2<sup>nd</sup> quarter of 1<sup>st</sup> year of project, SATHI distributed total 39 Nos. filters to beneficiaries in 05 project villages. Out of total 39, 11 families were covered in 1<sup>st</sup> quarter (Sept-Nov'18) and 28 during 2<sup>nd</sup> quarter (Dec'18-Feb'19).** 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.

