

# Impact Assessment Study

For

## Bharat Forge Limited



**Village Development Project**

**Taluka: Purandar & Barmati Dist.: Pune**



May 2021

*Prepared By*  
**Assetz Social Responsibility Association (ASRA)**

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## Executive Summary

### **Background:**

The new CSR rules with effect from April 1, 2021 mandate that Corporates now need to formally assess the Impact of their CSR projects. Large spenders such as Bharat Forge hence require to do this study for the projects that were completed over a year ago. The Act further specifies that in order to maintain transparency, this study should be done by an Independent Party. For this purpose, we had invited quotations and had appointed a partner. The study was done for some of the Village Development projects that we had executed in the previous years across 7 Villages in Purandar and Baramati in Pune District. BFL appointed Assetz Social Responsibility Association to study the impact of the CSR and report on the projects. The summary of the post assessment report is shared below.

### **About the Partner:**

Assetz Social Responsibility Association (ASRA) is the CSR arm of the Asset Group of Companies. Some of leading names in the Industry that they have executed projects for include Hero MotoCorp, Hyundai Motor India Foundation, Eicher, Escorts and Godrej

The Organization has an impressive track record of working on CSR projects which include Skill Development, Road Safety, Women Empowerment, Girl Child Education, Differently Abled Persons, Disaster Relief, School Sanitation and WASH projects.

ASRA strategized and developed the Blue Print for the CSR architecture for Hero MotoCorp, India's number 1 Two Wheeler Company. Various Road Safety initiatives of the Hero Group including training Youth on Safe Riding & Women Mechanics were based on ASRA's recommendations

Hero MotoCorp's Road Safety TV commercials and the Digital Films had over 5Mln hits and were hugely appreciated by all. The Communication shifted the paradigm in the category. The messaging was intensely relatable & enjoyable and yet delivered very strong insights based on Behaviour and Attitudes of Vehicle owners.

The group has also worked closely with Hyundai Motor India Foundation on their Multi City Pan India Road Safety and H Social initiatives (A National level Event conducted inviting Ideas on Social Innovation from College Students). They have demonstrated their deep understanding of the issues and built the programs by developing Edutainment based Content. This has also been widely appreciated by Schools, Colleges Students, Parents and RWAs as part of Hyundai's on-going awareness creation programs.

ASRA has done large scale Monitoring, Assessment, Evaluating & Reporting for the above Clients and come with a professional background and experience from the Corporate sector

ASRA carried out an Impact Assessment for CSR initiatives and activities done by Bharat Forge Limited in the villages of Purander and Baramati.

In Purander we covered six villages consisting of 1475 households and 9600 inhabitants. In Baramati, we have included projects in Madanwadi which has 5500 inhabitants.

BFL started the CSR activities in Purander in 2014 and has invested close to INR 1,66,00,000/- to date. Majority of the initiatives are in areas of community infrastructure, water, internal road and education. The funding has had positive impact on the communities based on the feedback from actual beneficiaries and the current state of the villages where the activities were done.

We have studied each project in detail by visiting the villages and interacting with direct beneficiaries such as farmers, women and children. We also gathered details and information from the local government bodies and community leaders.

During the study, we also spoke to the Panchyat members who play a vital role in village-level decision making. BFLs Technical consultant and CSR team members were also interviewed to understand the purpose and expected impact of the projects.

We faced the following challenges while conducting the impact assessment:

- Projects were based on Community needs & hence specific benchmarking was not possible in the baselines for the projects
- The presence of Covid-19 restricted the interaction with people
- Time lines impacted further due to the Cyclone in Maharashtra at the time of doing the study
- Due to lockdown and social distancing, only male members came forward to answer

Through Surveys, FGDS, field observations and interactions with all key stakeholders we understood that

- Villagers are well aware of Bharat Forge Limited and the thematic areas in which the company works
- There has been good visibility for BFL for the CSR projects and activities conducted
- The project selection and implementation is done involving the community and encouraging their participation
- Majority of the water projects have been beneficial for more than 60 per cent of the population directly.

The assessment suggests that the CSR activities have performed well. The programs performed well in the areas of community need, increasing goodwill and villager's participation.

During the study, we also understood that villagers are looking for help in other areas as well and are expecting some projects in education, drinking water and solar lights.

We recommend that BFL should work with villages on all the parameters and make the village sustainable with a time line in view with exiting. This should be done keeping in mind that we have made the village largely self sufficient in terms of water, education, internal roads and community health & thereon the Community should be encouraged to take ownership of running all projects.

### About the study

Bharat Forge is actively involved and believes in the overall and holistic social development of communities in Maharashtra. Hence, over the past several years Bharat Forge has taken up multiple initiatives with the objective of up-liftment and betterment of the society. It has resulted in dedicated efforts toward six growth programs. Namely – Village Development, Education, Skill Development, Women Empowerment and Community Upliftment and Promotion of Sports. It has lead to a focused and targeted impact.

Bharat Forge believes in continuous learning and improvement. Hence desires to conduct a study that would not only assess the impact the CSR projects have created but also evaluate how the projects can be improved and expanded against the 5 indicators, namely - Water, Livelihood, Internal roads, Health and Education.

For assessing the impact of the projects the study has been conducted in 6 villages from Purandar & 1 village from Baramati, Pune District.

### Our approach

We have followed a comprehensive approach for impact assessment of Bharat Forge's projects across villages. The data is collected using the following tools:

1. Survey – field and telephonic
2. Interviews
3. Secondary data/Available reports/baseline
4. Field observations and project status mapping

### Key stakeholders

Multiple stakeholders were reached out to, to collect the data and information for the study. Below is the list of stakeholder who were covered in the study -

- Direct Project Beneficiaries (Farmers and their family members)
- Panchayat Members
- Woman of the villages
- Children
- NGO personnel
- Technical Consultant

- School Principal

### Criteria for Assessment

During the study, we tried to assess each program on the following 10 criteria.

Criteria	Details
Relevance	Intervention suited to the priorities and policies of Bharat Forge and the target group
Purpose	Measure the validity and attainment of the objectives through the activities and outputs
Efficiency	<ul style="list-style-type: none"> <li>• Measure the qualitative and quantitative outputs concerning the inputs and whether the most efficient processes were adopted. Example cost-efficient; time; skill sets, technology and other influencing factors</li> <li>• Measure the extent by which an intervention attains or did not attain its objectives</li> </ul>
Impact	Positive or negative changes produced by an intervention, directly or indirectly, intended or unintended
Sustainability	<ul style="list-style-type: none"> <li>• Ownership of activity would remain and continue even after BFL stops investment, interventions or withdraws to move into other locations</li> </ul>
Community Participation	<ul style="list-style-type: none"> <li>• Contributing through labour, place, equipment, ideas time and financials</li> <li>• Receiving government financial support/subsidy</li> </ul>
Increase Goodwill	<ul style="list-style-type: none"> <li>• Community demands are fulfilled, which improves relations and acceptance</li> <li>• Opposition reduced and avenues emerge to build participation</li> </ul>
Need-based project	<ul style="list-style-type: none"> <li>• Community needs are assessed and projects are installed through the project plan</li> <li>• Articulated and unarticulated needs are served, which impact larger masses</li> </ul>
Employees Participation	<ul style="list-style-type: none"> <li>• Number of employees who participated in a particular project, as an expert or key implementer or volunteer</li> <li>• Number of hours recorded and reported as employees participation against activities</li> </ul>
Communication	<ul style="list-style-type: none"> <li>• CSR related communication is shared with internal and external stakeholder regularly</li> </ul>

## Sample Size Covered

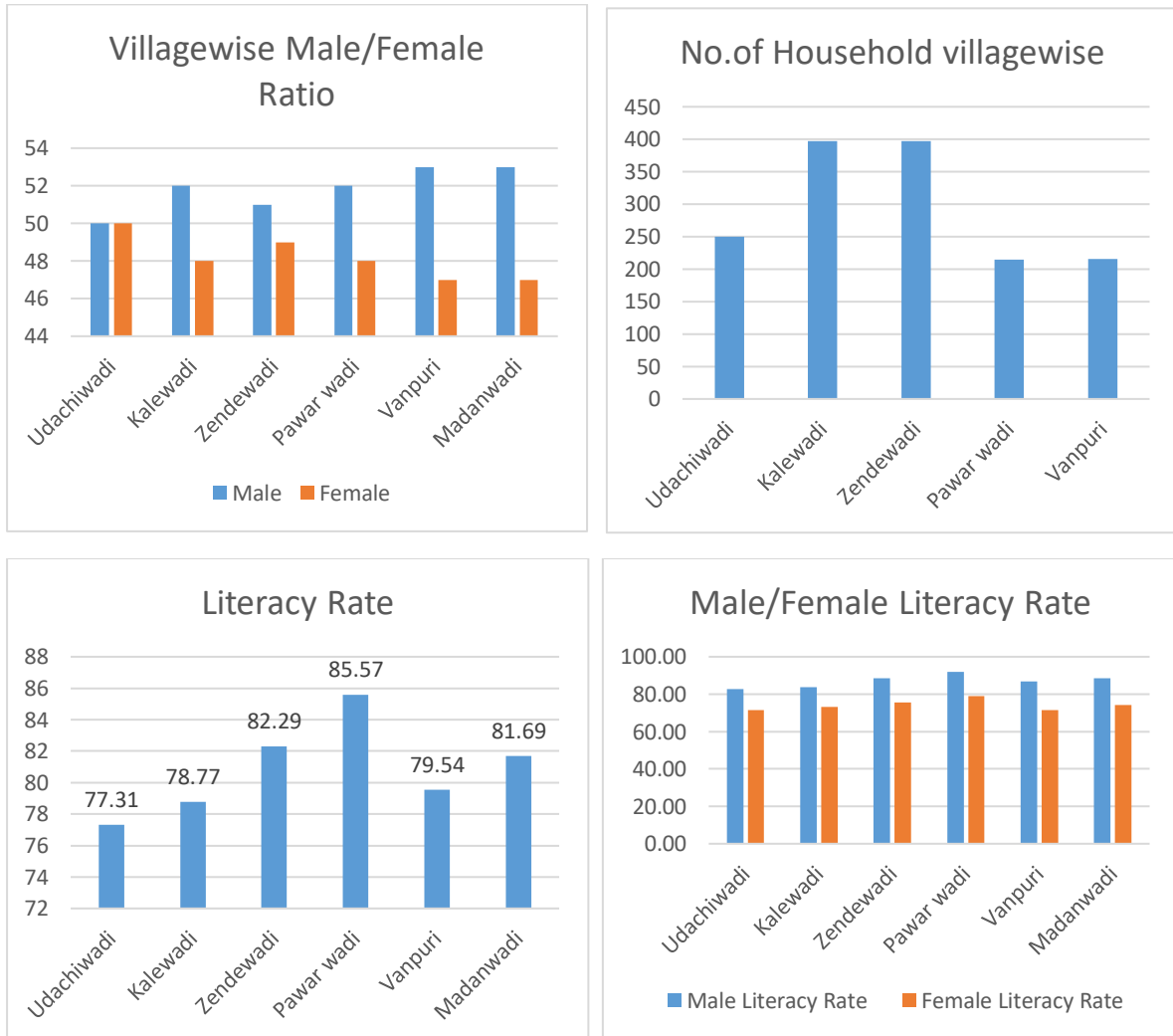
Village	Survey - Direct Beneficiaries	Telephonically	FGDs
Hivare	28	30	6
Vanpuri	29	29	4
Zendewadi	28	20	10
Udachiwadi	29	29	7
Kalewadi	19	37	20
Pawarwadi	25	47	15
Madanwadi	20	32	6
<b>Total</b>	<b>178</b>	<b>224</b>	<b>68</b>

## Villages covered in the study

S. No.	Name of Villages	Particulars	Indicator	Beneficiary	Implementation date
1	Kalewadi	Water Pipeline Project	water harvesting	2500	2017-2018
		Desilting of cement bandhara & Nala			2016-2017
		Construction of Internal roads	Internal road		2018-2019
		Water filter plant	Health		2019-2020
		Village internal painting	Other [internal beautification]		2019-2020
		Street light			
		Tree plantation	Environment		2016-2019
		Health camp	Health		2019-2020
2	Pawarwadi	Desilting of bandhara	water harvesting	1800	2017-2018
		Construction of Internal Roads	Internal road		2018-2019
		Tree plantation	Environment		2018-2019
3	Zendewadi	Desilting of Pazar Talav	water harvesting	1800	2019-2020
4	Vanpuri	Desilting of Pazar Talav	water harvesting	1500	2019-2020
		Health camp	Health		
5	Udachiwadi	Construction of Internal roads	Internal road	1600	2019-2020
6	Hivare	Z P School infrastructure work	Education	400	2019-2020
Baramati					
7	Madanwadi	Desilting of bandhara	Water, Livelihood, Internal road	5500	2019-20

## Overview of Villages

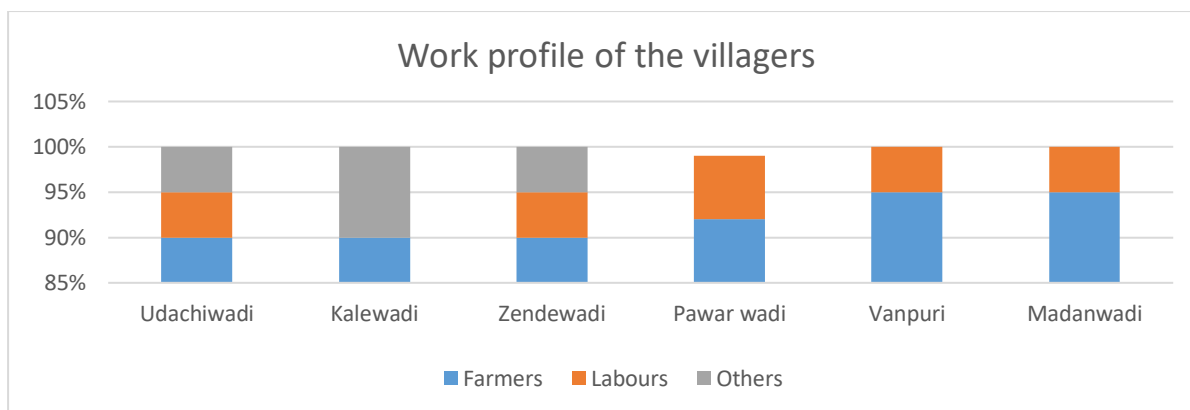
In Purandar the selected villages for the assessment are around each other. Hence as expected they are quite similar in social, economic, cultural and other demographic parameters. Madanwadi in Braramati is about 60 to 70 kms from the villages in Purandar.



Average Sex Ratio of Vanpuri village is 883 & the Average Sex Ratio of Madanwadi village is 896 . Both are much lower than Maharashtra state average of 929..

The state average for literacy is 82.34% Pawarwadi literacy rate is above Maharashtra State average. The remaining villages are lower than the state average. Similarly in male/female literacy rate Pawarwadi is above average.





90-95% of the villagers are into agriculture on their own farm or in joint partnership with other villagers. 5-10% population of the village do labour work. Few of the villagers have shifted to Mumbai, Pune and Saswad in search for work.

#### Other developmental paramerters

- 100 per cent of House structures are RCC based.
- 100 per cent of people said agriculture is the main family source of income.
- Every household has livestock which includes cows, goats and buffalo.
- Drinking water pipeline has been provided to each household of the village.
- The villages have received the Nirmal Gram Award. All the villages are open defecation free.
- Sanitation facilities available in each household.
- The electricity is avialble in every village for agriculture and household.
- There has been good mobile network connectivity.

#### Educational statistics

Village	ZP Schools	Private Schools
Hivare	1	
Zendewadi	1	1
Kalewadi	1	1
Pawarwadi	1	1
Vanpuri	3	1
Udachiwadi	1	
Madanwadi	2	1

All villages have a Zilla Parishad Schools which is upto 4<sup>th</sup> Standard. There after the students go to private schools or Govt. Schools in Saswad or Highschool in Dive, Katoba. 99 percent of children are enrolled in schools.

#### Health statistics

1 Primary Health Centre is located in Vanpuri. Rest of the villages go to the Gramin Ruganlaya in Saswad.

## Program areas

Bharat Forge has taken up various initiatives in the villages for a holistic development of the village. For the purpose of this Impact study the assessment would be done program wise. Below 5 programs will be evaluated based on their impacts on the villages they were implemented in.

- Water
- Village Internal Road Development
- Health
- Environment
- Education

Programs	Kalewadi	Pawarwadi	Zendewadi	Vanpuri	Udachiwadi	Hivare	Madanwadi
Water							
Village Roads							
Education							
Health							
Environment							

## Water Programs

### Program Background

Water harvesting is the flagship project of Bharat Forge. The vision was to make 100 villages in Maharashtra drought free. In this initiative, the project is implemented with

- Govt. Technical support and guidance
- Community support

In two villages BFL have desilted the Bhandhara and Nala, in two villages they have done work for Pazar Talav and in Madanwadi they desilted the medium size pond made by the Government. Nearby villages (two to three) are directly dependent on the water supply from the pond for agriculture.

The objective of this activity is to make water available throughout the year for agriculture and drinking purposes. The impact indicators expected out of these projects are

1. Availability of water throughout the year
2. Increase in Agriculture Production
3. Increase in livestock in the villages
4. Increase in family income
5. Reverse Migration

The project is implemented in four villages from Purander and one village from Baramati.

### Increased Water Capacity

Village	Capacity Increased
Kalewadi	Disilation- 8252 cubic meter Water Storage Capacity 8.252 TCM
Pawarwadi	Disilation - 10675 cubic meter Water Storage Capacity 1.1 TCM
Zendewadi	Silt removed: 74,250 cubic metres Water storage capacity: 74.25 TCM (7,42,50,000 Lt.) Land under irrigation: 125 hectares
Vanpuri	Silt removed: 23,812 cubic metres Water storage capacity: 23.81 TCM (2,38,10,000 Lt.) Land under irrigation: 95 hectares
Madanwadi	Silt removed: 3,00,000 cubic metres Water storage capacity: 300 TCM (30,00,00,000 Cr. Lt.) Land under irrigation: 546 hectors

### Assessment Observations

- Five years ago the villagers were facing water-related problems for agriculture and drinking purposes.
- The second crop after the monsoon was solely dependent on natural resources. Few of the rich farmers were purchasing tanker water for farming. The second crop production expectation was 80-85%. Due to the water project which has made water available throughout the year the second crop expectation has increased to 100%.
- Villagers have started fruit plantation such as custard apples, peru, jam, pomogranate and two villages this year have also taken up sugarcane plantation. The villagers are also exploring vegetable plantation.
- The water level in the wells has increased.
- Family income has increased by 15-25%.
- With the availability of fodder for livestock, the dairy business increased in the villages. Around 400 to 500 ltrs of milk is produced for sale.
- There is an increase in livestock and poultry enterprises in the villages.
- Most of the children are going to private schools in Saswad.
- In Kalewadi the farmers group is formed and in joint ownership, they have started enterprises to work on fruit processing products.

### Field Observations

#### Kalewadi

The water level in wells has increased . The village is also connected to Purander upsinchan yojana. So there has been water availability throughout the year. The income level of the farmers have increased.

Few farmers started taking fruits plantation and flowers also.

Kalewadi Pictures



Kalewadi- Cement work of nala



Kalewadi- Desiltation work



Kalewadi – Current water level in wells



Kalewadi- current figs plantations





### Pawarwadi

Currently, there is no water in Pazar Talav but nearby wells have enough water level except Pawarwadi. Water is available in Pazar Talav till March End. The wells near project area have water throughout the year. The other part of the village (which is not covered in project area) face water problems for agriculture and drinking water from December onwards.

Villagers are taking second crops due to the availability of water and also there is increased fruit plantation due to availability of water. 65% farmers who have benefitted from the water work.

On the other side of the village people face drinking water problems.

### Pawarwadi- Pazar Talav



### Pawardwadi- Current water level in well





### Pawarwadi- current crops in farms



### Zendewadi

Currently there is no water in Pazar Talav. From the project 50% people have benefitted. The water is available in Talab till March end and well water is available throughout the year. For drinking water the villagers don't face any problems. For summer crops few farmers were arranging water through tankers, but this year there was no need to arrange tankers as well.

### Zendewadi- Desiltation work



### Zendewadi-Current Water Level



### Zendewadi: Current crops in farms



### Vanpuri:

Earlier the water was getting over by December end now it is available till March end. Water level in wells have increased. Pazar- 65% population benefitted- Other requirements- pipeline to Govt. irrigation project of 1.5km. Double the income due to water availability

### Vanpuri- Desilatation Work



### Vanpuri- Current Water Level in wells



### Vanpuri- Current crops in farms



### Madanwadi

Water level has increased and farmers are able to take sugarcane production twice in the year. However bandhara near pond has got damaged in last year heavy rains and requires looking after and maintenance.



### Water work at Madanwadi ,Baramati



### Madanwadi : current water level in wells



### Madanwadi:Current crops in farms





## Key Interference

### **Increase in Ground level Water:**

Village	Previous water level	Current water level	No. of Wells		No. of ponds		No. of Borewells	
	Borewell/ well	Water level	3 years ago	Current	3 years ago	Current	3 years ago	Current
Vanpuri	80 foot	40 foot	168	172			176	180
Zendewadi	70 Foot	40 -50 foot	40	40	15	15	21	25
Udachiwadi	70-80 foot	40 foot	112	115	40	53	122	125
Kalewadi	70-80 foot	80 foot	60	65	63	63	100	110
Pawarwadi	60-70 foot	60 foot	49	50	10	10	12	15
Madanwadi	85-90 foot	70-75 foot	500	500	20	21	1200	1200

We observed that due to this project the groundwater level has also increased. The wells which were getting dried by January, now have water till monsoon due to Bhandhara or Pazar talav work.

Also whoever has dug a new well has got water at 40-45 feet only. Whereas earlier one needed to go down to 100 feet also.

Except for in Pawarwadi and Kalewadi where some wells have dried out or are low on water, presently water is available. Rest of the villages also have water in their wells due to the water harvesting project.

### **Increase in Water Availability**

Village	Water Availability Before BF Intervention	Water Availability after BF intervention
Kalewadi	Oct- Nov	Throughout the year (Few Part of the areas well water reduced to lowest in April-May)
Pawarwadi	Oct-Nov	Feb-March (wells nearby project area has enough water for agriculture. Rest part of the villages face water problem from April onwards till Monsoon)
Vanpuri	Nov –Dec	April first week. (Wells have enough water in April- May)
Zendewadi	Nov- Dec	April (Wells have water in May also.)
Madanwadi	April	Throughout the year

With intervention the availability of water for agriculture has also increased. Due to water being available now, some farmers are taking multiple cropping and fruit production also.

### **Increase in Agricultural production**

<b>Village</b>	<b>Total Area</b>	<b>Agriculture</b>	<b>Farmers directly benefitting from the water project</b>	<b>Percentage of people taking second crops</b>
Udachiwadi	644	402 hectare	90%	65% -70%
Kalewadi	416	316	90%	65% - 70%
Zendewadi	461	350	50%	45% - 50%
Pawar wadi	216	175	50%	45% -50%
Vanpuri	226	180	75%	90%
Madanwadi	1800	1500	85%	90%

Due to availability of water throughout the year the farmers have started taking two crops and in some cases multiple crops also.

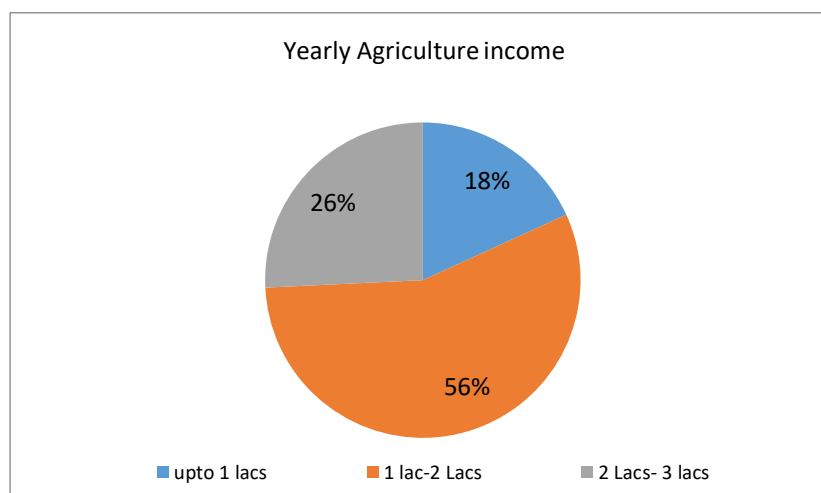
In Zendewadi farmers are taking vegetables along with fruits together. After the rainy season, people were taking crops like Jawari and Bajari which is now shifted to fruits and vegetables, custard apples, figs, pomegranate, colorful capsicum, purple cabbage etc

Two villages have started taking sugar cane plantation also from this year due to the availability of water.

Also previously in Zendewadi for summer farmers were getting water through a water tanker and this year it has stopped.

### **Increase in Family Income:**

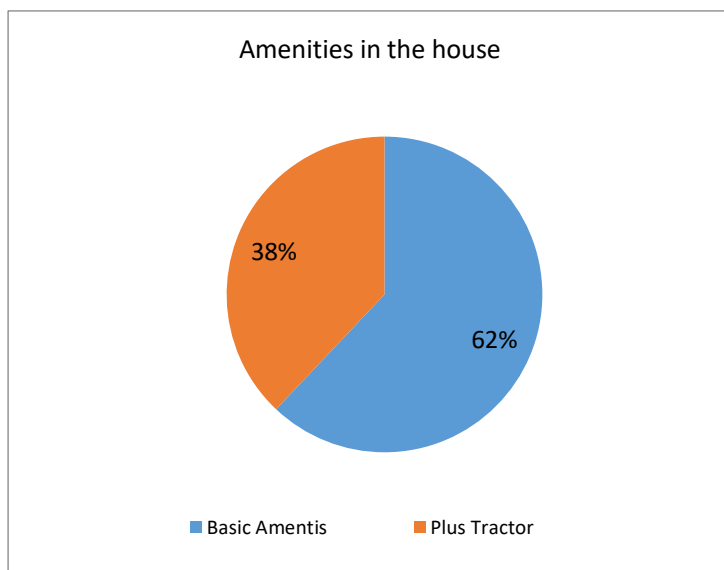
The family income for the farmers has increased from 1 lac to 3 lac. This income is coming from multiple sources such as dairy, poultry and agriculture.



For very few farmers their annual income has neared 5 lacs aswell.

### **Increase in overall standard of living**

62% of the respondents have basic amenities in the house which includes TV, mobile, refrigerator and two-wheeler. 38% respondents have basic amenities plus own tractor for agriculture purpose.



Every child in the village is going to school. There are professionals, graduate and post-graduate youth who are also doing agriculture due to the availability of water.

The health of the villagers is good as not many face any lifestyle diseases. Also, no Panchayat member or villagers requested support in healthcare.

### Program Assessment

**Program Title:-** Water infrastructure facilities such as pipeline, desilting of bandhara & nala

Objective	Key Indicators	Locations	Status
Ensure supply of water to villagers throughout the year for agriculture, drinking and domestic use	Number of wells/pond/tank cleaned/constructed/desilting Agriculture production and income Livestock	Kalewadi Vanpuri Pawarwadi Madanwadi Zendewad	Completed

#### Overall Rating of the Program

Good

Average

Poor

Relevance	Criteria Rating	Good	Average	Poor
		▲		
Purpose	Criteria Rating	Good	Average	Poor
		▲		
Efficiency	Criteria Rating	Good	Average	Poor
		▲		
Impact	Criteria Rating	Good	Average	Poor
		▲		
Sustainability	Criteria Rating	Good	Average	Poor
		▲		

#### Summary

- There is visible increase in ground water level.
- Agriculture production has increased as farmers have started taking two crops.
- There is an increase in the income levels of the farmers.

#### Recommendations

- Ground water levels should be monitored for the coming years.
- Strategic ponds/canals/lakes should be maintained
- Baselines should be established for better understanding

#### Community Participation

Criteria Rating	Good	Average	Poor
	▲		
Increase Goodwill			
Criteria Rating	Good	Average	Poor
	▲		
Need Based Project			
Criteria Rating	Good	Average	Poor
	▲		
Employee Participation			
Criteria Rating	Good	Average	Poor
			▲
Communication			
Criteria Rating	Good	Average	Poor
	▲		

### **Case Studies:**

- **Vithal Khumarkar** from Vanpuri knows about Bharat Forge Ltd. and their work in the village of road repairs, desiltation of the lake and health camps. Lake cleaning work has helped in the storage and the cross pits held water and absorption in soil. This year we can see the water level in wells has increased in the village. Enough water availability created opportunities for agricultures. We can do cultivation of various crops around the year plus fruits which can give us more money. We grow Sitaphal, Pomegranates, Guava, Chickoo, etc and sell it locally and in Satara, Pune markets. We get good money out of it. The water availability had brought in some financial stability for agriculture.
- **Amol Khumbarkar** from Vanpuri says last year faced scarcity of water for agriculture. This year water level has been increased due to pond cleaning and repairing work done by the Bharat Forge team. We are taking crops like Onion, Potato, green vegetables and fruits with the availability of water from this year.
- **Balusaheb farmer from Zendewadi** age 36 has total farmland available of 7 acres. He was earlier dependent on the borewell water during summer. The borewell water was available till February only. He was taking fodder crops during summer due to the unavailability of water. This year he has done the figs plantation and custard apple also. The water is available till April end in pond. His income till last year was 50 to 60 thousand. This year it has been increased as he sells fruits in Mumbai and Pune Markets.
- **Mohan Kumbhar, age 33 is a farmer** from Vanpuri. He has 7 acres of land. He also has 10 cows, 15 goats. Before the Desiltation water project, he used to take fodder in summer. He sells the milk to Saswad dairy. Currently, custard apple, figs plantations available on farms. With this, he has also taken green vegetables. His income has increased to 6- 7 lacs this year from various sources. He also mentioned that due to availability of water 50% farmers have started fruit plantation.

## Village Internal Road Development Programs

### Program Background

Bharat Forge has constructed the internal road in Kalewadi, Pawarwadi, Udachiwadi and Madanwadi (Baramati).

The objective of the internal road is to make transportation for the people hassle-free especially during monsoon. With accessibility, agriculture production can also increase.

### Internal Road

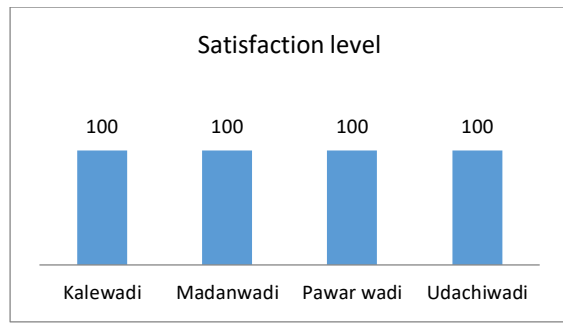
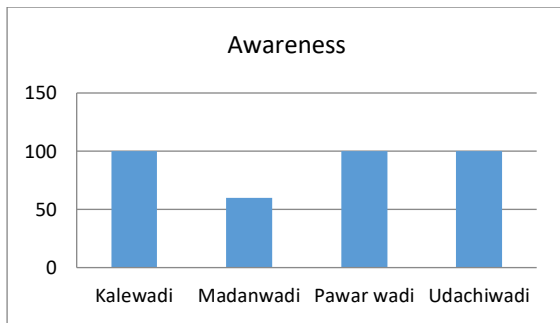
Village	KM/Meter Road Developed
Kalewadi	310 meter
Pawarwadi	1400 meter cement road
Udachiwadi	Construction of 12 ft. wide and 1,300 meter long WBM Road
Madanwadi	5- 7 km

### Assessment observations

- All villages the roads developed were internal except Udachiwadi where an external road was also developed. Internal road development plays an important role in the development of the villages. Tar roads were replaced with cement roads.
- In Udachiwadi the road towards the farm was muddy and every year Panchayat was doing temporary work to help in the rainy season. On that road, it was difficult to even take a bullock cart. Due to which the farmers were not taking vegetables crops and fruits plantation such as onion, tomato and custard apple.
- With the road development now tractor and other vehicles can reach the farm, so farmers have started taking a variety of crops which can be easily transported to the marketplace.
- Panchayat and including villagers are not much aware about the internal road construction at Madanwadi.

### Field observations

- Last year's roads were made using materials from talav deepening work.
- Roads are being maintained by the Panchayat and are in good condutiion.
- Panchayat members are happy as the maintenance cost for the road build by BFL takes less investment. The quality of the roads constructed by BFL is good compared to the roads constructed by Govt.



### Road construction in Udachiwadi



### Road construction in Kalewadi



### Road Construction at Pawarwadi



## Key Inferences

- Everyone is aware of the road development project.
- Everyone is using the roads. Villagers are happy as the safety component has been increased.
- The Panchyat/ MLA fund allocated to road development later used for other initiatives in villages.

## Program Assessment

Objective	Key Indicators	Locations	Status
To improve the transportation facilities inside the village	Number of road constructed and maintained	Kalewadi Pawarwadi Udachiwadi Madanwadi	Completed .

Overall Rating of the Program	Good	Average	Poor
<b>Relevance</b> Criteria Rating 	<b>Summary</b> <ul style="list-style-type: none"><li>All villagers are happy and find roads very useful</li><li>At some places people needed pakka road.</li><li>In Baramati most of the people are unaware about the road work</li></ul> <b>Recommendations</b> <ul style="list-style-type: none"><li>Key roads for the villages should be identified and developed besides the internal roads. For example Udachiwadi where one road helped agricultural activities.</li><li>Similarly highways and village connecting roads should be explored</li></ul>	<b>Community Participation</b> Criteria Rating  <b>Increase Goodwill</b> Criteria Rating  <b>Need Based Project</b> Criteria Rating  <b>Employee Participation</b> Criteria Rating  <b>Communication</b> Criteria Rating 	

## Education Programs

### Program Background

The education project is complete in Hivare Village. The Bharat Forge team has done renovation of the school with the help of Villagers.

Hivare village has all the facility related to water, sanitation, and livelihood and well maintained internal roads.

Primary School was there up to 4th standard. The original school was built by villagers contribution only. The building was more than 50 years old. Bharat Forge reviewed the infrastructure. Looking at the safety of the children decided to do the renovation. The basic structure has kept the same as it was durable. The work includes the roof, painting, toilets construction etc.

Children come from nearby villages and vastis such as Kodit, Chambhali, Dange vasti. The total strength of the students for this year is 94. The previous year's enrolment was 104 and 102.

The School Principal was expecting more enrolment this year. Due to Covid 19, the school has converted into a Covid-19 quarantine centre.

### Assessment observations

Summary of discussion with Parents and Students:

- Children are very happy and waiting to use the new infrastructure.
- Parents feel safer sending their children to the new building.
- They are also happy that the original infrastructure has been kept intact.

Summary of discussion with Panchayat member:

- Renovation of school was very critical and Bharat forget has helped a lot.
- It will help in improving the quality of education in the coming years.
- He also said that the village needs a computer centre, library and guidance centre for competitive exams for students as new generation people are not interested in agriculture.
- Other support requested- water filter plant, bandhara work and internal road development.

The school Principal is expecting the following outcome from the project for the next year

- Increase in the enrolment of the students from nearby villages
- Increase in attendance of the students
- Improvement in student performance and the overall result of the school



## Field observations

- The infrastructure is built very well.
- There are separate rooms for the computer lab and the library.
- Toilets are built for boys and girls.
- Painting has been done.
- The school has not yet been used by the students due to covid-19 pandemic restrictions



## Program Assessment

Program Title:- School Infrastructure

Objective	Key Indicators	Locations	Status
Improve school infrastructure and facility to enhance learning environment and hygiene condition	Increased enrollment Increased attendance	Hivare	Completed. Currently it is used as a quarantine centre

### Overall Rating of the Program

Good ☒ Average ☐ Poor ☐

<b>Relevance</b>	Criteria Rating	Good	Average	Poor
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Purpose</b>	Criteria Rating	Good	Average	Poor
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Efficiency</b>	Criteria Rating	Good	Average	Poor
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Impact</b>	Criteria Rating	Good	Average	Poor
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Sustainability</b>	Criteria Rating	Good	Average	Poor
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Summary

- In Hivare ZP school infrastructure support has been provide. With that school has been able to arrange computer class, library etc

### Recommendations

- BF should benchmark school infrastructure standards and concentrate on only supporting to meet those standards.
- To have better utilization of the investment in infrastructure, BF should encourag employee participation at schools.
- BF Should also look into other educational needs.

### Community Participation

Community Participation			
Criteria Rating	Good	Average	Poor
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase Goodwill			
Criteria Rating	Good	Average	Poor
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Need Based Project			
Criteria Rating	Good	Average	Poor
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Employee Participation			
Criteria Rating	Good	Average	Poor
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Communication			
Criteria Rating	Good	Average	Poor
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Health Programs

### Program Background

Bharat Forge had conducted a cancer screening /haemoglobin checking camp and awareness session for the women from Kalewadi, Vanpuri, Hivare and Uadachiwadi.

Village	Total Beneficiary of camp	Found Anaemic	Breast/ iBE Positive	Gynac issues
Kalewadi	109	19	5	1
Hivare	43	13	1	2
Vanpuri	97	11	5	5
Udachiwadi	53	7	3	11
<b>Total</b>	<b>302</b>	<b>50</b>	<b>14</b>	<b>19</b>

Village Panchayat and other villagers were happy about the camps conducted for women. They want frequent health check-up camps in villages and also requested work towards Covid-19 Prevention. Diagnosed cases were referred to Sahayadri Hospital, Pune & Karad for further treatment. The cost of the treatment was taken care of by Bharat Forge.

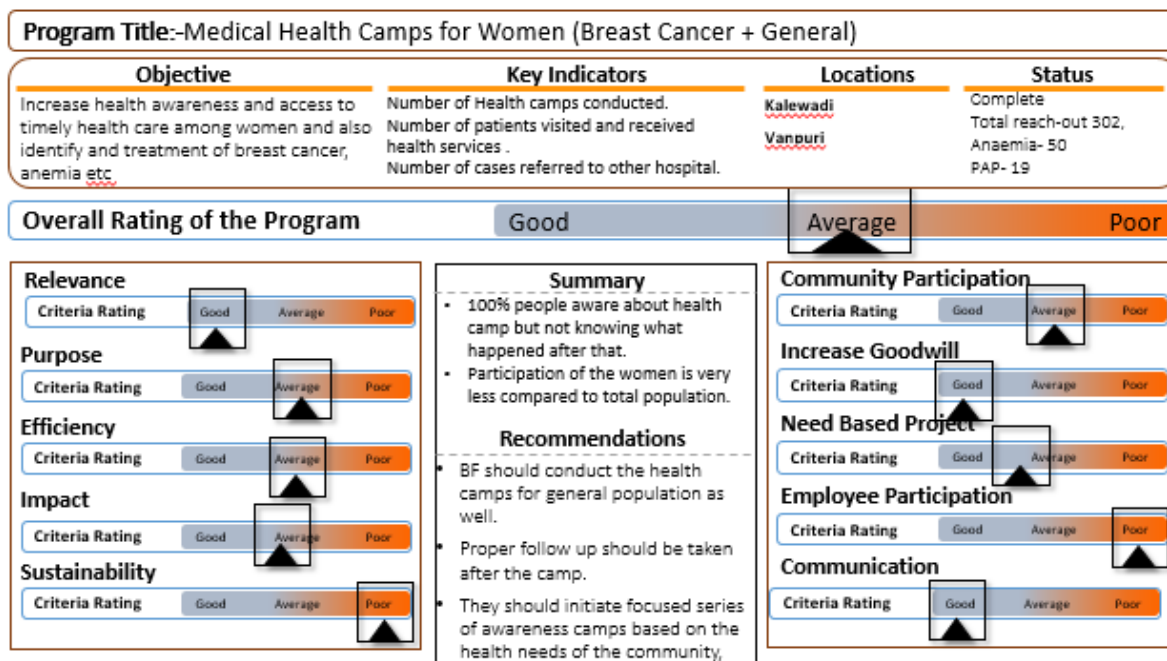
### Assessment observations

- The camps were conducted once in the villages and were only for women. The women were not aware of the health camps or were busy in the farm.
- The number of beneficiaries compared to the women population of villages is low.
- The report shared by BF team talks about the need for an oral cancer check-up camp. The oral cancer check-up camp was not conducted. Awareness related activities conducted have a poor recall by women or panchayat members of the villages. For. e.g. Hivare and Udhachiwadi villagers didn't speak or recollect the health camps.

### Key Inferences

- Community participation is very low in health activities.
- A report of the test was given to each woman.
- Women who have been identified with gynac issues or needed a PAP test were given further treatment in Sahayadri Hospital.

## Program Assessment



## Case Study

### Study 1:

Savita Kale age 41, resident of Kalewadi participated in the health camp organised by Bharat Forge in Kalewadi for breast cancer camp and general health camp for women.

She had a small breast tumour.

She was further advised treatment in Sahyadri Hospital. After the check-up at the hospital, she was prescribed medicines for treating the cancer. A regular follow was done. Now she is not facing any problems. She feels periodically such camps should be conducted for women.

Savita says the treatment was possible because of early diagnosis due to the health check-up camp.

## Environment Programs

### Program Background

Under the environment program, Bharat Forge has planted trees at Kalewadi and Pawarwadi villages.

The tree plantation was done with two objectives

- Beautification of village
- Increase in village unity through community participation

During the tree plantation activity, there was a complete participation from the villagers. Employees and their family members also participated in the tree plantation drive. Every year BFL conducts tree plantation activities at various locations. BFL contributed by providing trees and tree guards to protect the trees.

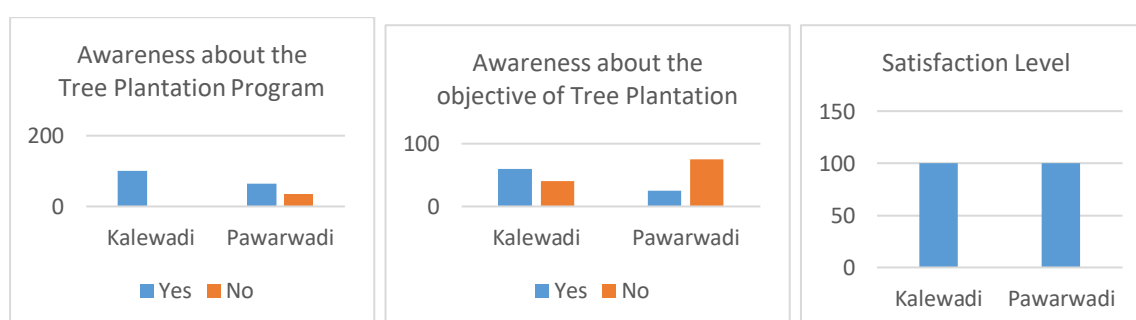
Village	Number of trees planted	Number of trees survived
Kalewadi	2000	1800
Pawarwadi	100	70

Total 2000 trees have been planted in Kalewadi inside the village and the road towards the hillside.

Followings trees planted: Gulmohar, Pimpal, Aapta, Karanj, Bougainvilleas, Faykos, Bava

### Assessment observations

- Villages that have done tree plantation in recent times talk about the tree plantation activity.
- Villagers/Panchayat are satisfied and happy with the trees planated.
- All villagers participated in the activity.
- Employees from BFL also came for plantations.
- Pawarwadi Villagers need to be engaged further on the importance of maintaining trees & it's impact on the environment



### Field observations

- Some panchayats have maintained the trees very well.
- Visible branding is done through the tree guards around the trees.
- Roadside trees enhance the beauty of the village
- Kalewadi Panchayat has kept personnel to clean the village and provide water to trees using the income earned from the water filter plant

### Current: Kalewadi- Tree Plantations on road and at hill side



### Pawarwadi- Tree Plantations



### Current: Kalewadi tree plantations inside the village





## Key Inferences

- Villagers are unable to see the direct benefit of the project hence do not talk about it much.
- Villagers feel it is the responsibility of the Panchayat to maintain and take care of the plants.
- The location of plantation and the number of trees planted to date do not help achieve the objective of soil erosion.
- Pawarwadi tree survival rate to be watched closely and Panchayat to be encouraged to take ownership of maintaining the trees.

## Program Assessment

Program Title:-Tree Planation			
Objective	Key Indicators	Locations	Status
Increase village participation and unity amongst the villagers, beautification of villages	Number of Trees Planted, Reserved Beautification of villages Reduced soil Erosion . Survival Rate	Kalewadi Pawarwadi	Total 2000 tree have been planted 90% surviving

Overall Rating of the Program	Good	Average	Poor

<b>Relevance</b> Criteria Rating: Good Average Poor <b>Purpose</b> Criteria Rating: Good Average Poor <b>Efficiency</b> Criteria Rating: Good Average Poor <b>Impact</b> Criteria Rating: Good Average Poor <b>Sustainability</b> Criteria Rating: Good Average Poor	<b>Summary</b> <ul style="list-style-type: none"> <li>All villagers are aware of tree plantation activity and the plantation is maintained as well.</li> <li>Beautification and unity objective has been fulfilled in Kalewadi</li> </ul> <b>Recommendations</b> <ul style="list-style-type: none"> <li>Plantation scope and objectives should be expanded.</li> <li>Areas of plantation should be expanded to ensure environmental benefits</li> <li>Create Awareness amongst Villagers on the importance of trees to promote ownership by all</li> </ul>	<b>Community Participation</b> Criteria Rating: Good Average Poor <b>Increase Goodwill</b> Criteria Rating: Good Average Poor <b>Need Based Project</b> Criteria Rating: Good Average Poor <b>Employee Participation</b> Criteria Rating: Good Average Poor <b>Communication</b> Criteria Rating: Good Average Poor
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## Projects at Kalewadi

### Program Background

The CSR activities in Purandar started with Kalewadi village. This being the first village so most of the projects are implemented here. Following are the projects implemented with the objective of overall village development to increase the standard of living in the village.

- Water Pipeline Work
- Water Filter Plant
- Village Internal Painting
- Street Light

### Assessment observations

- Each household gets drinking water at the doorstep with the help of pipeline work.
- Filtered water is sold at Rs. 10 per 40 ltrs. Most of the families are using filtered water only for drinking purpose.
- The health of the villagers has improved due to clean drinking water.
- The painting is done on school walls and balwadis.
- Street lights are helpful at night in village meetings, for farmers coming back from the farm.

### Field observations

- Panchayat is maintaining all the infrastructure provided by BFL.
- Through the income of the Water Filter Plant Panchayat has employed one person. He also ensure cleanliness in the village and provides water to the plants on regular a basis.
- Compared to other villages Kalewadi stands out in terms of maintenance of infrastructure, beautification and ownership for the work done by Bharat Forge.

### Key Inferences

- People are using the facilities and have learnt the importance of filtered water. Few families who have now shifted to the farm to stay, have purchased their own water filter to use in the house.
- The strong Branding and goodwill of Bharat Forge are visible in Kalewadi.
- The farmers have established a cooperative with 15 farmers and are running a fruit processing enterprise. With this unit, they employ women too. Also, the excess production is purchased at market rate from nearby farmers. This helps the farmers avoid losses.

Kalewadi- Water Filter Plan



Kalewadi- Employment provided



Kalewadi: Water Pipeline and paintings



Kalewadi: Village Paintings



Kalewadi – Street Lights





### Kalewadi Fruits Processing Unit



### **Overall Summary**

The villagers are doing well in agriculture and overall one can see the growth from past few years. There has been no other CSR or NGOs working continuously on a sustainable basis. Bharat Forge has been the first one who entered the villages and started resolving the water issues.

There has been a social impact on the villages. The villagers are happily now saying that their sons are getting married and they don't face problems due to scarcity of water.

Availability of water also has improved their health and hygiene.

There is a lot of goodwill generated about the company and also every panchayat is aware that they just can't ask for CSR support till the time they are ready to equally contribute to the development.

It is also a known fact that Pazar talav will have its impacts for mostly 5-7 years to until it reaches its full capacity. We expect the ground water level to increase by then and the villages become sustainable in the water availability. Similarly, any Bandhara can have a maximum benefit for 10-12 years and later villagers cannot depend completely on the same for water availability.

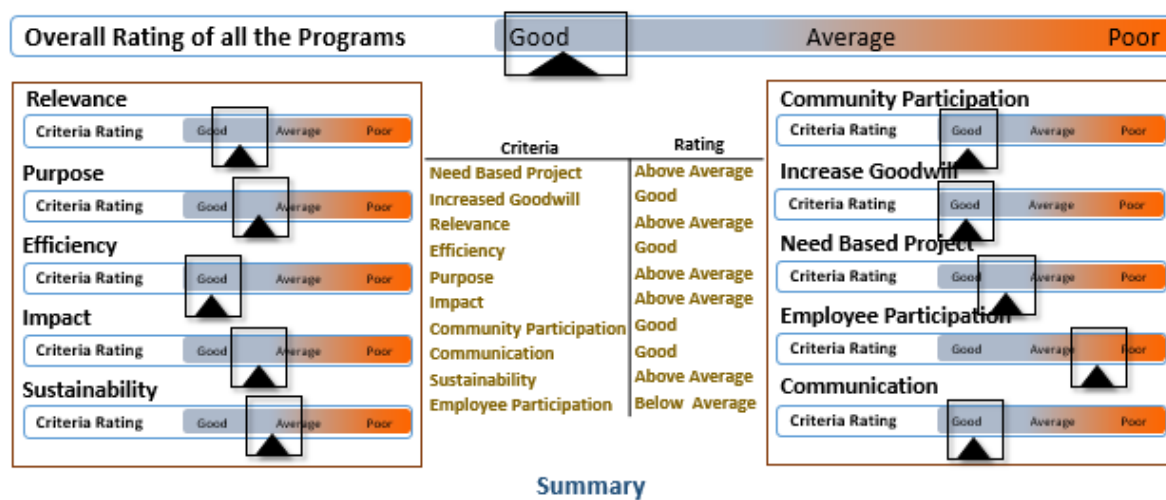
Looking at the infrastructure built, the villagers should also be given guidance for modern agriculture techniques and intense water consumption crops (sugar cane) can be avoided in the initial phase. There has to be a conscious effort on water management in the villages and digging of borewells and wells at frequent location should be avoided.

Based on the interaction with stakeholders and looking at the direct and indirect impact of the activities following rating is given village wise for each program.

Villages	Water	Internal Roads	Environment	Health	Education	Other	Overall Impact
Kalewadi							
Hivare							
Udachiwadi							
Pawarwadi							
Zendewadi							
Vanpuri							
Madanwadi							

\*\*Green- Good Orange – Average Blue- Below Average

### Overall CSR Program Assessment



## Reccomendation

### Initiative Specific

The initiative specific recommendations are based on ASRA's understanding of the impact BFL is looking for and people's expectations from BFL.

#### **Water:**

- Water program should be expanded to have a 5-7 years horizon for each village. The water work done in villages should be closely monitored for years after the project.
- To help the villages be sustainable (in water) BFL can conduct additional activities which will help ensure villages receive water throughout the year and do not face drought like situations.
- Efforts for water conservations should be taken up by BFL in the villages they have initiated water projects. Conservations in farming and daily consumption. These will help the impacts of the water program last longer.

#### **Internal Road:**

- BFL should consider developing key/strategic roads along with internal roads. As this would only improve the convenience and safety for villagers & will also help develop economic activities in the villages.

#### **Education:**

- Employee volunteering should be encouraged in the educational projects initiated by BFL.
- The literacy level in all villages is good and youth are aspiring to clear competitive exams so support can be provided for the same by providing community libraries and computer centres.
- A community centre for youth should be developed which can assist them in learning about agricultural techniques and engaging the youth in sports & physical activities. This will not only increase their interest in agriculture and the new techniques but will also help in building unity amongst the villagers.

#### **Health:**

- Health is not considered a priority by any villager. Even during these times when pandemic has globally affected everything.
- Health check-up camps on regular basis for the general public too should be considered. Health check-up camps for adolescent girls and women above 40 years is requested by the beneficiaries of health check camps.
- Health camps objectives should be broadened to achieve village level goals. For example the breast cancer camps should ensure that all eligible women of the village are screened and treated (if diagnosed). This will help label the village as "Breast Cancer Free Village".

**Environment:**

- Tree plantations should be done near the school grounds, water project areas, on barren land and open land. In the long run it will help in reduction of soil erosion.
- Kalewadi has set an example in tree planting and maintaining and that should be emulated and set as a benchmark.

**Overall BFL CSR Program**

Programmes and initiatives have fared well and has won the hearts and the appreciation of the Villagers. The results are visible and the water conservation will go a long way in promoting and preserving Agriculture and encouraging rural communities not to sell their lands or give up farming.

ASRA would recommend to have comprehensive village development strategy inclusive of other parameters. The village development work should continue till the villages reach at par with National or State average on development indicators. For each village Need Assessment and Base Line should be conducted and metrics agreed on for future evaluation.

BFL's approach is even more relevant in the current Covid situation with more and more villagers returning back from large cities. Holistic development of the 100 villages around our initiatives will prevent or atleast reduce future migration, increase interest in Agriculture and also promote Agri and Farm based production and industry in rural India thereby providing more livelihoods and enhancing the quality of life of our citizens.