

# Samruddhi Annual Report

## April 2018- March 2019

Prepared By: **Centre for Advanced Research & Development, Bhopal**

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Supported By **John Deere India Pvt. Ltd.**

## 1.0 Executive Summary

Project Name	Samruddhi Program for Holistic Development
Citizenship Strategy	Community Development, Solution for Eliminating Hunger & Education
Partner(s)	Centre for Advanced Research and Development(CARD), Mashal, Cohesion Foundation, LabourNet
Unit/Geography	Pune (John Deere Pune Works), Sirhind (John Deere Sirhind Works), Dewas (John Deere Dewas Works), Nagpur (Parts Distribution Centre), Pune (John Deere Technology Centre India - 6 slums & 21 villages)
Time Frame	FY 2018-2019
Vision/Objectives	<p>Vision: "Improve Socio-economic condition of Target Community in a Sustainable Manner."</p> <ol style="list-style-type: none"> <li>1. Improvement in quality of life index through access to safe drinking water and sanitation</li> <li>2. Increased productivity of Agriculture by 15% /acre and Increased income of Farmers by 15 - 20%/annum</li> <li>3. Number of students from government school (schools under the project) pursuing higher education (at each level)</li> <li>4. Increase youth vocational skills and employability</li> <li>5. Promoting Volunteerism</li> </ol>
Volunteerism	Yes
Output/Outcomes	<ul style="list-style-type: none"> <li>• Improved Sanitation</li> <li>• Ensured Irrigation</li> <li>• Improved Agricultural Practices</li> <li>• Ensured Income Increase of Farmers</li> <li>• Preventive Health Care Services for Cattle</li> <li>• Ensured quality education and improved infrastructure facilities</li> <li>• Ensured Youth Employability</li> <li>• Promoting Volunteerism</li> </ul>
Budget	INR 8,38,31,696.00 (Inclusive of Supplementary Budget)

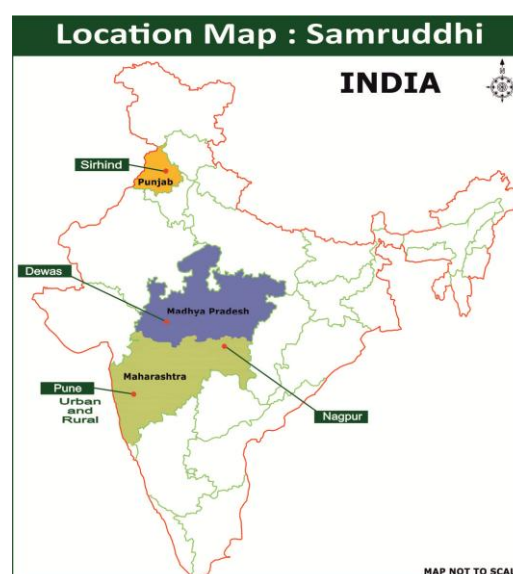
## 2.0 Introduction

Samruddhi Program for Holistic Development is a John Deere's Corporate Social Responsibility (CSR) initiative with an overall goal of John Deere's CSR program to enable solution for world hunger, education and community development. The Centre for Advanced Research & Development (CARD) is implementing the Program in coordination with field partners; Mashal, Cohesion Foundation and Labournet. Since 2015, Project has made its reach to 20,965 HHs across all locations.

### Program Implementation Area

Program is being implemented in 27 community habitations around John Deere India Factories in Pune Rural (Maharashtra), Dewas (Madhya Pradesh), Sirhind (Punjab); Technology Centre in Pune Urban (Maharashtra) and Parts Distribution Centre in Nagpur (Maharashtra). Details of 5 locations are as under:

- ✚ **Dewas:** 6 villages namely Gurjarbapcha and Pitawli, Jaitpura, Jamgod, Khatamba and Kankund.
- ✚ **Sirhind:** 3 villages namely Amampura, Chailaila and Reethkhedi.



- ✚ **Pune Urban:** 6 slums namely Tarvade Vasti, Mahatma Phule, Lohiya Nagar, Gosavi Vasti, Shinde Vasti and Sainath Vasti in Hadapsar ward in Magarpatta.
- ✚ **Pune Rural:** 9 Villages of Sanaswadi, Shikrapur, Dhanore, Darekarwadi, Lonikand, Varude, Kasari, Dingrajwadi and Talegaon Dhamdhere.
- ✚ **Nagpur:** 3 villages namely Neeldoh Pannase, Mangrool and Metaumari

Samruddhi was started with a Vision, “*Vulnerable communities evidently improve their economic and social well-being*”. Over the time Project has taken a shift with overhauling of objectives to achieve the vision and mission of the project. As need was felt to shift focus from providing infrastructure support to rather equip and empower community for their holistic development through sustainable livelihood. With this paradigm shift Vision of Samruddhi was also reworked and linked with objectives and activities which are achievable in the span of 3 - 4 years. New Vision and Goal/Program Mission of Samruddhi says:

- ✚ **Vision:** “**Improve Socio-economic condition of Target Community in a Sustainable Manner.**”
- ✚ **Program Mission:** **To Improve Socio-economic condition of Target Community by upgrading community infrastructure on water & sanitation, double the farmers’ income, ensuring quality education and economic opportunities.**
- ✚ **The program objectives are:**
  1. **Objective 1:** Improvement in quality of life index through access to safe drinking water and sanitation
  2. **Objective 2:** Increased productivity of Agriculture by 15% /acre and Increased income of Farmers by 15 - 20%/annum
  3. **Objective 3:** Number of students from government school (schools under the project) pursuing higher education (at each level)
  4. **Objective 4:** Increase youth vocational skills and employability

**A cross-cutting theme is promoting volunteerism among John Deere India employees.**

In FY’18 - 19, the John Deere India approved a one year grant of **INR 8,38,31,696** to The Centre for Advanced Research & Development (CARD) to coordinate the implementation of John Deere’s Corporate Social Responsibility (CSR) initiative - Samruddhi.

Set forth in the sections below please find a description of the key activities accomplished under the respective objectives by the Project April 2017 through March 2018.

#### **MAJOR ACHIEVEMENTS FROM 2015**

1. Construction of 3 Overhead Tanks and installation of Drinking Water Supply System and laying of drinking water pipeline has ensured the safe drinking water needs for around 982 HHs.
2. Construction and Management of 2 Waste Water Ponds has improved the safe disposal of waste water which benefitted 770 HHs
3. Renovation of 5 community toilets and construction of 210 individual toilets has improved the safe sanitation practices for 1,921 users
4. 2 Drainage Systems are established in Pune Rural which will provide clean and hygienic environment for 467 HHs
5. Capacity building training program are extended to 900 members of SHG/ FIG/FPO/ youth clubs are covered
6. Through demonstrations, input supply, training & exposures, kisan sammelan /mela, knowledge has been imparted to 6,365 farmers.
7. Under Water Harvesting Structures; construction/renovation of 8 stop dams & deepening and renovation of 3 ponds has helped in increasing 100 acres of land under irrigation benefitting 475 farmers

8. Support has been extended to 1,710 farmers for low cost high performing agriculture equipments. Agriculture Resource Centre has been established in Pune Rural so that through mechanization greater field coverage over a short period, cost-effectiveness, efficiency in use of resources & applied inputs and conservation of available soil moisture under stress conditions can be ensured for almost 300 farmers of the area.
9. 2 Farmer Producer Organizations has also been formed in Dewas & Pune Rural to ensure collective farming for 665 small and marginal farmers to foster technology penetration, improve productivity, enable improved access to inputs and services and increase farmer incomes, thereby strengthening their sustainable agriculture based livelihood.
10. 181 Farmers are encouraged & supported to take up Horticulture farming including Kitchen Gardening & Orchard Development. Intervention covered around 40 acres of land.
11. For increasing the family supplementary Income, 261 families are supported for backyard poultry and goat rearing which enhanced their income by 7,000 to 10,000 INR per annum
12. Under Cattle health; through 65 Animal Health Camps 16,448 cattle are received services like vaccination, AI, general treatment, deworming, and deticking etc. whereas 743 artificial inseminations are facilitated. Around 6,000 farmers are benefitted

### 3.0 Activities

#### Objective 1: Improvement in quality of life index through access to safe drinking water and sanitation

1. **Construction of Community Infrastructure:** 1,783 households are benefitted through Improve Community Infrastructure Interventions like Management of Waste Water Pond and Construction of Community Hall in Sirhind, Construction of Over Head Tank & Repairing of Community Well in Dewas, Laying of Drinking Water Pipeline in Nagpur and Construction of Drainage Systems in Pune Rural.

- i. One Over Head Tank (OHT) of 1 lakh litre capacity is



constructed in Khatamba along with a installation of submersible pump of 12.5 HP. Total 250 households will get water at their doorstep from June onwards which will save time and labor put in by members to collect water.

- ii. Community Well at Kankund is repaired which will benefit 30 households by ensuring water availability for their daily needs.



- iii. Under Management of Waste Water Pond in Chailaila, concrete structure was developed in FY'17-18. In FY'18-19, brick pitching, grass work, plantation and cleaning of the chambers & outlet drain is done. Intervention has provided clean and hygienic environment to 400 surrounding households. Cleaned water from Pond has been used for irrigation by 15 farmers.





iv. Renovation of Community Centre at Chailaila will benefit around 604 HHs of the village as activities & programs like marriage, cultural programs, community gathering etc. have been organized.

v. Pipeline of 200 meter is laid down to provide water connection From Overhead Tank to the doorsteps of 32 families of Neeldoh panchayat.

Panchayat has charged 1,000 INR per household as security money. Now all 32 families are able to get drinking water at their doorsteps.



vi. Two Drainage systems are established in Dhanore and Talegaon. 600 meters long drainage is constructed in Talegaon will benefit 80 HHs whereas 3.2 Km long drainage system of Dhanore will benefit 387 HHs. Dhanore drainage system will address the grey water issues.

**2. Construction of Individual Toilets:** Through construction of 99 Individual Toilets in Pune and Dewas 495

people are benefitted and reduction in open defecation is observed. All the beneficiaries are using the toilets in all the three locations.

**Objective 2: Increased productivity of Agriculture by 15% /acre and Increased income of Farmers by 15 - 20%/annum**

**1. Capacity Building of Community Institutions:** Capacity of 252 beneficiaries of SHGs and FIGs of Dewas and Nagpur is built through training and exposure visit. Members are trained on establishing microenterprise, group business activities financial literacy and income generating activities through allied activities.



**2. Capacity Building of Farmers:** 1,611 farmers of Dewas, Pune Rural, Nagpur and Sirhind are oriented towards improved agri-practices ensuring increased

adoption of best and sustainable agriculture practices through Trainings, Workshops, Farmers Mela and Exposure Visits organized under the program.

13. Infrastructure Support (construction of school buildings, class rooms, boundary walls, painting & sprucing work, sitting arrangements, Drinking Water Unit and RO System, computer labs, smart classes, teaching, learning & play materials etc.) in 40 schools has been ensured which benefitted around 10,000 children

14. For Improving the early child care practices & pre-schooling, 28 anganwadi centres are renovated & supported with teaching, learning & play materials covering over 1,300 children

15. Scholarship support has been extended to 933 vulnerable and meritorious students

16. Regular support/tuition classes for more than 10,000 weak students have been organized

17. Trainings & exposures has been organised for 614 staff including school teachers, support class teachers and anganwadi workers.

18. Life skills trainings are organized for around 466 adolescents

- i. **Demonstrations:** 284 farmers of Pune Rural, Nagpur & Dewas are benefitted through demo on Improved Farming Technologies for using improved agriculture inputs/tools/equipments. 44 Demos are done in Soybean, Vegetables, Hydroponics & Cotton Plots. Apart from this, Demo also included; seed treatment, use of certified seeds, raised bed plantation, integrated pest management, bed farm machine, improved nutrient management drip & mulching system has been provided to the beneficiaries to conserve water.



- ii. 2 Bamboo Polyhouse are established in Jaitpura and Kankund villages. In Jaitpura Bamboo Polyhouse, beneficiary farmer has planted chilli which will start bearing from April onwards. The model is entirely commercial and benefit farmers will earn additional income through the intervention.

3. **Agri-water Management:** Under Agri Water Management, total 6 Interventions are done like Pond Deepening and construction and repairing of Stop Dams in Dewas and Nagpur to ensure improved irrigation facility for 67 farmers and bring 64 hectare land under direct irrigation.



- i. 2 check dams are constructed in Mangrool & Neeldoh Pannase to increase the water availability for agriculture. Mangrool stop dam is 13 meter long which will benefit 8 farmers in irrigating 10 hectares of land whereas Neeldoh Pannase stop dam is 12 meter long which will benefit 7 farmers in irrigating 8 hectares of land. 4 farmers have used the water for irrigation from stop dam for their cotton crop. Total 7.5 hectare land has been irrigated.



- ii. Deepening and renovation of Jaitpura pond is done to increase 9,500 Cubic meter extra water storage capacity. Intervention will help in recharging 24 tube wells, increase in water table of nearby sources. Increase in ground water level will provide 19 farmers and beneficiaries to feed water to their animal and indirectly help in irrigating 20 hectares of land.

- iii. 25 meter long RCC stop dam has been constructed in the main stream of Gurjarbapcha. Structure will help in storing 7,000 cubic meter through which approx. 10 farmers and 15 hectare land will be irrigated additionally. During summer season 8 - 10 tube wells and open wells will be recharged and water table will be increased in the nearby water sources.

- iv. Renovation of 40 meter long old damaged stop dam at Kankund has been done. It will benefit 8 - 10





19. 919 youths of Pune Rural have been trained in Room Attendant/ House Keeping, Tailoring, Beautician, Data Entry and Assistant Electrician courses.

20. 78 Volunteering Events are organized since the inception of the Samruddhi Program. 2,430 employees are participated and contributed 12,150 person hours in performing different volunteering activities like

- Harvesting of Onion, Soybean & Maize crops
- Planted the Saplings
- Developed the Kitchen Gardens
- School & Graphic Paintings,
- Garden development, Pathway construction & Play ground levelling works in Schools & Anganwadi Centres
- Installation of Drip Irrigation System
- Conducted Extra Curricular Activities like Drawing, Singing, Reading, Group activity for Support Class Students
- Construction of Backyard Poultry Shed
- Plantation

farmers and irrigate approx. 10 hectares of land. Other than this; structure will contribute to increase the water level of surrounding water sources after the next rainy season.

v. 18 meter long Stop dam was constructed near Jamgod OHT bore wells to recharge the ground water level and ensure additional water supply to the OHT. Apart from this, 1 hectare land of 2 -3 farmers will be irrigated directly.

4. **Horticulture:** 69 farmers are benefitted through development of Kitchen Garden & Orchard in Pune Rural, Dewas, Nagpur and Sirhind will not only increase the income 15% in coming years but also resulted in increased consumption of vegetables



hence ensured increased nutrition. Under Orchard Farming 34 acres of land is covered.

5. **Farmers Organization:** 2 Farmer Producer Organizations has also been formed in Dewas & Pune to ensure collective farming for 665 small and marginal farmers to foster technology penetration, improve productivity, enable improved access to inputs and services and increase farmer incomes, thereby strengthening



their sustainable agriculture based livelihood.

Agriculture Resource Centre has been established in Pune Rural so that through mechanization greater field coverage over a short period, cost-effectiveness, efficiency in use of resources & applied inputs and conservation of available soil moisture under stress conditions can be ensured for almost 300 farmers of the area.

6. **Allied Activity:** 91 HHs have been selected in Dewas, Pune Rural & Sirhind for alternative income generation activities under support to Allied Activities like Goatery & Poultry reported increase in supplementary income by almost 15% and also increased knowledge in rearing practices. Locally available breeds of goat like Desi Malwa



Goat in Dewas, Ambarsariya in Sirhind and Osmananabadi variety in Pune rural is promoted so that the animal could survive and adapt the local climatic condition.

7. **Animal Husbandry:** 190 cattle are artificially inseminated in Pune Rural resulted in approx 70% success in breed improvement and approx 12% increase in savings by 116 farmers. 188 cattle of 78 farmers in Pune Rural have gone through General Treatment to ensure improved productivity & reduction in rearing cost. 4,844 cattle have received services like vaccination, AI, general treatment, deworming, and deticking etc. through 21 animal camps in Pune Rural & Nagpur.



**Objective 3: Number of students from government school (schools under the project) pursuing higher education (at each level)**

1. **Model School/Anganwadi Development:** Establishment of 1 Model School in Nagpur and infrastructure support for 15 Schools & 14 Anganwadis across the Project Locations have ensured quality education for 6,253 students.

- i. ZP Upper Primary Metaumari School is transformed into Model School. Construction of new school building in 2 floors with almost 4,355 Sq. ft built up area, having 6 class rooms, one SMART class, a Computer lab, Library, Staff room for teachers and Principal office. Also provided other facilities such as RO drinking water, Handwashing Unit, Computers, Sitting arrangements for students and teachers, Books for library, Smart board and projector.



The school boundary wall has also been repaired for ensuring the safety of the children.

On 4<sup>th</sup> March 2019, reconstructed school building was inaugurated by senior leadership team of John Deere including Mr. Satish Nadiger, Mr. Donald Bastiani, Ms. Kim Beardsley and Mr. Marc Howze.



This new school building would surely attract more students and school authorities expecting increase in enrolment. They are also planning to start 8<sup>th</sup> grade and primary & upper KG after acquiring permission from Education department. Total students benefitted through the intervention are 82.

- ii. Renovation, Sprucing and Infrastructure Support has been provided to ZP Mangrool Primary School, ZP Primary





School Neeldoh, Mangrool Anganwadi, Sane Guruji P/PMC Primary School, Lohiya Vasti and PMC School no. 100 at Bunter Campus, Mahatma Phule Vasti, Tarvade Vasti Anganwadi, Wablewadi School, Varude ZP School, ZP School Wasewadi, Sanaswadi, Kumar Jaysingrao Dhamdhare Girls & Boys School Talegaon, Kevtemala ZP School and anganwadi, Anganwadis of Kataeli Talegaon & Varude, Dingrajwadi ZP School, Kasari and Varude Anganwadi, Chailaila Model School, Jamgod Govt. Primary school's (New Basti), Govt. Primary school Khatamba, Govt. Sr. Secondary School, Jamgod, Govt. Primary School and Anganwadi, Khatamba, Primary School Gurjarbapcha.



- iii. ISO Certification is completed in Tarvade Vasti Anganwadi, Kataeli & Varude Anganwadi of Talegaon. Works like minor repairing, graphics painting and garden development are done and apart from this digital system, playing material & TLM is also provided to the Anganwadis.



Total 107 children are benefitted from this intervention.

2. **Support Classes:** 5,563 students are benefitted through Tuition and Support Classes in Dewas, Pune Rural, Pune Urban, Nagpur and Sirhind. 73% students have shown the significant improvement in studies.
3. **Scholarship Program:** 416 vulnerable & meritorious students of Dewas, Pune Rural, Nagpur Pune Urban & Sirhind have been provided with Scholarship to ensure smooth and continuous education. In Dewas; 150 girl students are supported with scholarship of 5,000 INR, In Sirhind; 49 potential students of Govt. Sr. Sec. School, Chailaila, In Pune Rural; 87 beneficiaries received cheque worth 4,500 INR and remaining received bicycle as per his demand whereas in Nagpur; scholarship of 5,000 INR has been given to 100 students across all the 6 slums.
4. **Teachers' Training:** Capacity of 152 Support Staff including, Teachers, Anganwadi Workers and Village Coordinators has been built through 10 Training Session in Dewas, Sirhind and Pune. Topics covered during sessions are 'Child Psychology and Relationship of Children and Parents', Teaching Techniques and Teacher - students Relationship, child nourishment, abortion act & their Importance, Parenting and child & parents relationship, practical aspect of



the Smart Class program including Tablet based learning, Counselling methodologies especially in the context of parent to student relationship, teacher and parent relationship, Dealing with slow learners, Age wise behavioural changes in students & its management, Tools preparation for parents meeting, home visits, etc.

5. **Student Exposure:** Innovative Learning skills are inculcated in 3,428 students through interventions like Computer and digital education, summer camps & exposure visits in Dewas, Sirhind & Pune.

- i. Tablet based learning project has been introduced in Govt middle school Jamgod & Chailaila in association with ConveGenius Company of Delhi. Total 234 Students are benefitted from the intervention.
- ii. Summer Camps in Pune Rural & Pune Urban is organized for students of Project villages in April, 2018. Summer Camp was arranged in Darekarwadi, Dhanore, Shikrapur, Sanaswadi, Talegaon, Lonikand, Varude, Kasari, Dingrajwadi and Gosavi Vasti. Activities like Art and Crafts, Music Sessions, Drama, Science Film Making Workshop, Origami, Yoga and other Fun Games are organized. On the last day of the camp, small exhibition of the crafts prepared by the students was also arranged. Total number of students participated in the camp was 649.
- iii. Under Digital Literacy set up, computer lab is established in 3 PMC schools namely Sadhvi Savitribai Phule Vidyaniketan School No. 04, Sane Guruji Primary School, No. 32, Lohiya Vasti and Banter Primary PMC school No. 87, Mahatma Phule Vasti. Following works are taken up in these schools. Total 2,475 Students are benefitted from the intervention.
- iv. 1 Exposure visit for 70 students was organized at Bhilar block Mahabaleswar in district Satara which is famous as India's first and world's second Pustakanchegaon' (Town of books). In this village there is a setup of number of libraries, around 15,000 Marathi books like novel, career guidance, Philosophy are available for reading in 25 houses. Students are happy after having such an amazing experience.



#### Objective 4: Increase Youth Vocational Skills and Employability

1. **LabourNet:** 250 youths of Pune have completed their certification course in Data Entry and House Keeping courses. Till date 175 candidates i.e. 70% are placed & employed. Their salary range is between INR 5,500 - 11,000.



#### 4.0 Volunteerism

33 volunteering events have been organized across all the locations observed the enthusiastic involvement of 1,227 John Deer Unit team members and global team members to work as volunteers. Volunteers contributed 6,135 person hours in performing different activities. The table below presents the Volunteering activities held during the year at different locations:

S. No.	Date	John Deere Unit	No. of Volunteers	Location	Activities Performed
1	23 <sup>rd</sup> May, 2018	JDSW	21	Reethkhedi Model School	• Plantation
2	6 <sup>th</sup> June, 2018	JDDW	16	Kankund Anganwadi & Community Garden	• Plantation of 30 Plants
3	30 <sup>th</sup> June, 2018	IT Department	5	Darekarwadi and Varude ZP School	• Hour of Code; teaching on computer coding
4	13 <sup>th</sup> July, 2018	TCI Pune	40	Gosavi Vasti Model School	• Graphics Painting in 6 Classrooms
5	16 <sup>th</sup> July, 2018	Shop Floor Employees , JDPW	85	Kasari & Varude Village	• Development of 10 Backyard Poultry • Establishment of 4 Fodder Plots
6	17 <sup>th</sup> July, 2018	Shop Floor Employees , JDPW	74	Talegaon Dhamdhare Village	• Development of Backyard Poultry
7	21 <sup>st</sup> July, 2018	JDDW	94	Durganagar, Khatamba Primary School	• Plantation of 47 Plants • Ground Levelling • Laying of Paving Blocks
8	27 <sup>th</sup> July, 2018	TCI Pune	35	Vidyavardhini PMC School no. 4, at Mahatma Phule Vasti	• Painting & Graphics of 3 classrooms • Plantation & Brick Work
9	27 <sup>th</sup> July, 2018	IEC & JDES	7	Lonikand Village	• Papaya & Marigold Plantation
10	8 <sup>th</sup> August, 2018	TCI Pune	38	Vidyavardhini School Tarvade Vasti	• Laying of Paving Blocks • Graphics of 2 Classrooms
11	10 <sup>th</sup> August, 2018	MS, TCI	28	Lonikand Village	• Papaya & Marigold Plantation
12	24 <sup>th</sup> August, 2018	PV&V	28	Varude Anganwadi	• Garden Development
13	31 <sup>st</sup> August, 2018	IT, TCI	24	Kasari Anganwadi	• Painting • Garden Development
14	1 <sup>st</sup> September,	IT	4	ZP School Dingrajwadi	• Computer



	2018	Department			Programming
15	4 <sup>th</sup> October, 2018	PDC	20	Neeldoh Village	<ul style="list-style-type: none"> <li>Construction of 5 Goat Sheds</li> </ul>
16	9 <sup>th</sup> October, 2018	TCI Pune	35	PMC School No.100 & Bunter School Campus, Mahatma Phule Vasti	<ul style="list-style-type: none"> <li>Plantation</li> <li>Graphics and Painting</li> </ul>
17	12 <sup>th</sup> October, 2018	ISG ,TCI	35	Shikrapur School	<ul style="list-style-type: none"> <li>Painting</li> </ul>
18	7 <sup>th</sup> December, 2018	JDDW	114	Khatamba Village	<ul style="list-style-type: none"> <li>Transplantation of 800 Tomato Saplings</li> <li>Laying of Mulch in 0.75 Bigha</li> </ul>
19	12 <sup>th</sup> December, 2018	JDSW	19	Chailaila model School (newly constructed wing)	<ul style="list-style-type: none"> <li>Paint on Windows</li> <li>White Board Fixing</li> </ul>
20	21 <sup>st</sup> December, 2018	Transmission Factory	72	Talegaon, Dingrajwadi & Kasari	<ul style="list-style-type: none"> <li>School Painting</li> <li>Poultry</li> <li>Toilet Construction</li> </ul>
21	26 <sup>th</sup> December, 2018	Factory employees	54	Dingrajwadi & Talegaon	<ul style="list-style-type: none"> <li>Construction of Poultry</li> <li>Toilet Painting</li> </ul>
22	12 <sup>th</sup> January, 2019	TCI Pune	15	PMC School No.100 & Bunter School Campus, Mahatma Phule Vasti	<ul style="list-style-type: none"> <li>Brick work of Safe Drinking Water Unit</li> <li>Graphics of 2 Classrooms</li> </ul>
23	16 <sup>th</sup> January, 2019	Global 2030 leadership	15	ZP School Kumar Jaysingrao Dhamdhare School, Talegaon	<ul style="list-style-type: none"> <li>Painting</li> <li>Toilet Construction</li> </ul>
24	18 <sup>th</sup> January, 2019	Business process management	12	Varude Village	<ul style="list-style-type: none"> <li>Construction of Poultry Sheds</li> </ul>
25	1 <sup>st</sup> February, 2019	Supply Chain Department	80	Talegaon Village	<ul style="list-style-type: none"> <li>Construction of Toilets</li> <li>Sorghum (Jowar) Harvesting</li> </ul>
26	9 <sup>th</sup> February, 2019	MS Department	13	ZP School Kevtemala, Talegaon	<ul style="list-style-type: none"> <li>Garden Development</li> </ul>
27	20 <sup>th</sup> February, 2019	Engine factory	48	ZP School Kevtemala, Talegaon	<ul style="list-style-type: none"> <li>Pathway Making</li> <li>Painting</li> </ul>
28	21 <sup>st</sup> February, 2019	JDDW	65	Jamgod Government Primary School, New Basti (EGS)	<ul style="list-style-type: none"> <li>Graphics Painting in 700 sq ft. area</li> <li>Laying of Paving Blocks and Ground Levelling</li> </ul>
29	22 <sup>nd</sup> February, 2019	JDDW	64	Kankund Village	<ul style="list-style-type: none"> <li>37 Plant Replacement in Guava Orchard</li> <li>Saucer Shaped Basin Making at Drumstick Orchard</li> <li>27 Plant Replacement and Saucer Shaped Basin Making at Lemon Orchard</li> <li>Gravel Filling &amp; Stone Pitching at Stop Dam covering 480 sq.mt</li> </ul>
30	1 <sup>st</sup> March, 2019	Legal	18	Dingrajwadi Village	<ul style="list-style-type: none"> <li>Boundary wall Construction</li> <li>Demo Plot Development</li> </ul>

31	16 <sup>th</sup> March, 2019	JDSW	2	Chailaila Community Centre	<ul style="list-style-type: none"> <li>Construction of pathway</li> <li>Painting</li> </ul>
32	22 <sup>nd</sup> March, 2019	TCI Pune	27	ISO Anganwadi Tarvade Vasti	<ul style="list-style-type: none"> <li>Garden Development</li> <li>Plantation</li> <li>Graphics Painting</li> </ul>
33	30 <sup>th</sup> March, 2019	TCI Pune	20	PMC School No.100 & Bunter School Campus, Mahatma Phule Vasti	<ul style="list-style-type: none"> <li>Flooring Work</li> <li>Graphics Painting</li> </ul>



## 5.0 Output/Outcome:

S.No.	Activities	Output	Outcome
<b>Objective 1: Improvement in quality of life index through access to safe drinking water and sanitation</b>			
1.	Construction of Community Infrastructure	Total 7 structures are established/renovated	<ul style="list-style-type: none"> <li>Improved Sanitation are ensured for 3,935 inhabitants</li> <li>Access to Drinking Water for 312 HHs</li> </ul>
2.	Construction of Individual Toilets	99 Toilets are constructed	<ul style="list-style-type: none"> <li>Improved Sanitation are ensured for 495 people</li> </ul>
<b>1. Outcome seen since 2015 under Objective 1</b> <ol style="list-style-type: none"> <li>Interventions have ensured access to safe drinking water and helped in reducing the water-borne &amp; water washed diseases and drudgery on women.</li> <li>Panchayat has taken the responsibility of Operation &amp; Maintenance of the established structures.</li> <li>7 community habitations have become open defecation free (3 slums &amp; 4 villages)</li> <li>Community has become more aware regarding their health and hygiene</li> </ol>			
<b>Objective 2: Increased productivity of Agriculture by 15% /acre and Increased income of Farmers by 15 - 20%/annum</b>			
1.	Agri-water Management	6 Structures are established/renovated	<ul style="list-style-type: none"> <li>Ensured irrigation of 64 hectares land</li> <li>Ensured increase in water table of the area and nearby water resources</li> </ul>
2.	Capacity Building of Farmers	28 Trainings are conducted	<ul style="list-style-type: none"> <li>Capacity of 1,611 farmers is built</li> <li>At least 600 farmers are adopting suggested improved agriculture practices</li> </ul>
3.	Horticulture	69 Orchard & Kitchen Gardens are Developed	<ul style="list-style-type: none"> <li>34 acres of land is covered under orchard development</li> <li>Increased consumption of vegetables ensured increased nutrition</li> </ul>
4.	Agri Demonstrations	44 Demos of Soybean, Vegetables, Hydroponics & Cotton are established	<ul style="list-style-type: none"> <li>284 farmers of Dewas, Nagpur &amp; Pune Rural are oriented towards improved farming technologies like drip, mulching and polyhouse</li> </ul>
5.	Allied Activity	91 HHs are promoted for alternate income generation	<ul style="list-style-type: none"> <li>85 beneficiaries would report an increase of 15% income per annum</li> </ul>
6.	Animal Husbandry	<ul style="list-style-type: none"> <li>21 Animal Camps are organized</li> <li>AI is conducted on 190 cattle</li> </ul>	<ul style="list-style-type: none"> <li>70% success in breed improvement and approx 12% increase in savings by 116 farmers.</li> <li>Ensured access to Preventive health care</li> </ul>

			services for 4,844 cattle <ul style="list-style-type: none"> <li>12% increase of Income from milch animals per farmer per annum (225 days) is observed after integrated Animal Husbandry Services</li> </ul>
<b>II. <u>Outcome seen since 2015 under Objective 2</u></b>			
1. Knowledge Inputs on improved agricultural practices resulted in increase in yield by 15-25% in case of wheat, Sugarcane 55%, Gram 37%, Soybean 23% and Paddy 15% with average increase in return is 40 - 55% for wheat, 66% for Sugarcane, 27% for Soybean and 35% for Paddy.			
2. 380 farmers were supported with NPK micro nutrient kits, leading to nearly 10% average increase in sugarcane production among these farmers whereas 20 mixed vegetable plots developed in Pune Rural reportedly increased the net profit by 15-25% higher than the sugarcane cultivation.			
3. Average income increase per annum for 770 Soybean farmers, 1305 Wheat farmers and 500 Sugarcane farmers is 4,500 INR, 4,000 INR and 20,000 INR respectively.			
4. It has been reported that through Agri-water management <ul style="list-style-type: none"> <li>1.2 quintals of wheat yield increased per acre</li> <li>Helped in ground water recharging</li> <li>Increased in duration of water availability in the wells</li> <li>Change in cropping pattern</li> </ul>			
<b>Objective 3: Number of students from government school (schools under the project) pursuing higher education (at each level)</b>			
1.	Model School Development	<ul style="list-style-type: none"> <li>1 Model school is established &amp; Infrastructure Support is extended to 15 Schools &amp; 14 Anganwadis</li> </ul>	<ul style="list-style-type: none"> <li>Ensured quality education and improved infrastructure facilities including child friendly ambience to 6,253 students</li> <li>15% increase in enrolment is expected</li> </ul>
2.	Student Exposure to Digital Learning	<ul style="list-style-type: none"> <li>5 Schools are introduced Digital Learning</li> </ul>	<ul style="list-style-type: none"> <li>Increased interaction of 2,709 students with digital media and greater focus on attainment of grade appropriate learning competencies and conceptual understanding of subjects</li> </ul>
3.	Scholarship Program	<ul style="list-style-type: none"> <li>416 potential students from economically weaker section are supported</li> </ul>	<ul style="list-style-type: none"> <li>It is expected that at least 330 scholarship recipients would remain in school till the program ends. Rest of the students specially girls may get married and leave the place and others would get promoted and leave the school for pursuing higher education</li> </ul>
4.	Support Class	<ul style="list-style-type: none"> <li>5,563 students are assisted through Tuition &amp; Support Classes to ensure quality and continuity in education</li> </ul>	<ul style="list-style-type: none"> <li>73% students have shown the significant improvement in studies</li> </ul>
5.	Support Staff Training	<ul style="list-style-type: none"> <li>10 Training Sessions are organized</li> </ul>	<ul style="list-style-type: none"> <li>Capacity of 152 Teachers, Anganwadi Workers and Village Coordinators is built</li> </ul>
<b>III. <u>Outcome seen since 2015 under Objective 3</u></b>			
1. Through infrastructure support in schools; 8% increase in retention, ,10% increase in attendance, decline in drop outs, increase in co curriculum activities and confidence level of students is observed			
2. In Dewas through scholarship support 1 girl has been employed as a sahayika in anganwadi centre whereas another girl from Jamgod got admission in nursing course.			
3. In Pune Urban 90% of 1st to 7th standard support class students have shown significant improvement in academics whereas 86% of 10th standard support class students have passed board exams and continuing higher education.			
<b>Objective 4: Increase Youth Vocational Skills and Employability</b>			
1.	Youth Vocational Skills And Employability	<ul style="list-style-type: none"> <li>250 youth are trained in vocational skills</li> </ul>	<ul style="list-style-type: none"> <li>70% are employed with salary range of 5,500 - 11,000</li> </ul>
<b>IV. <u>Outcome seen since 2015 under Objective 4</u></b>			
1. 919 youths of Pune Rural have been trained in Room Attendant/ House Keeping, Tailoring, Beautician, Data Entry and Assistant Electrician courses.			
2. 462 (50%) candidates are placed & employed with the salary range of INR 6,250 - 9,500 per month.			



Cross-cutting Theme			
1.	Volunteerism	<ul style="list-style-type: none"> <li>33 Volunteering Events are organized</li> <li>1,227 employees are participated and spent 6,135 person hours in community work</li> </ul>	
V.	Outcome seen since 2015 under Cross-cutting		
1.	2,430 employees are participated in 78 Volunteering Events		
2.	Volunteers contributed 12,150 person hours in performing different activities		

## 6.0 Lessons Learned

Following are the lessons learned from the Program in FY'18-19:

1. Cost-Benefit Analysis clearly points out that in previous years 80% of the Program Budget had been utilized in infrastructure work and its long-term impacts take years to manifest whereas to achieve 15-20% increase in agriculture output, shift towards agri based activities including Land & Water based activities is must. As we are working with small farm holders so inclusion of Allied Activities is all so necessary.
2. In the past years, there has been intense work on improving the infrastructure facilities in the project villages. It is important for the community/ stakeholders to take responsibilities/ ownership for maintaining these structures and making it sustainable in the longer run, thus team needs to make more efforts on sensitizing, making community aware and involving them in taking up the ownership regarding regular operation and maintenance.
3. There is a need to strengthen and streamline the process of approvals, permissions from concern authorities before taking up the infrastructure related interventions and also to ensure the involvement of community, formation of groups for taking up the responsibilities at all levels for making the program sustainable.
4. In the various team discussions, the team members feel the efforts made in capacity building has been limited and need has been felt to give more inputs on monitoring & reporting, data collection, writing case studies, updating with new practices and development models etc.
5. As the program was in the initial phase, it was more inclined towards output based approach but now the project has completed over 3 years, the approach needs to be shifted towards outcomes/ impact based to know the progress, learning etc.
6. Samruddhi Program needs to be strengthened with communication materials like Journey documents, brochure, success stories, location profile & achievements. Expansion in case of increasing coverage and making necessary efforts for awards & recognitions at local & national level is the need of time.

## 7.0 Awards & Recognition

In the FY 2018-19, Samruddhi Program has been recognized for its work through appreciation and recognition from various agencies like Local Panchayats, School Management, Member of Parliament & Education Department. The details are as follows:

1. Appreciation Certificate was received on 26<sup>th</sup> of January, 2019 from Sarpanch of Khatamba Panchayat for the initiatives taken up under Samruddhi Program in Khatamba Panchayat.
2. On 26<sup>th</sup> November, 2018, Samruddhi Program



was appreciated for good work in Educational Infrastructure and was awarded by Pune Zila Parisad. The Hon. MP Supriya Sule presented the award.

3. On 2<sup>nd</sup> February, 2019, Samruddhi Program was awarded by Hon. Cabinet Minister, Punjab Govt. Mr. Brahm Mahindra, Minister of Health and Family Welfare, Research and Medical Education and Parliamentary Affairs and Panchyat of Chailaila Village for contribution in improving quality education and infrastructure facilities in Sr. Sec. School, Chailaila. A grant of Rs. 10,00,000/- was announced for the Chailaila village and Rs. 51,000/- for the Sr. Sec. School Chailaila by the Hon'ble Minister on the occasion.



4. During the School Annual Function of PMC School No. 100 & 4 (Bunter Campus), Hadapsar, Pune, recognition award was given to Samruddhi Program Team by Mrs. Minakshi Pawar, In charge of PMC School No. 100 & 4 for Computer Lab Set up, Painting graphics, Plantation, Safe drinking water and Hand wash unit facilities to school & work done through Volunteering. Mrs. Uchale (Asst. Administrative officer, PMC), Mr. Aba Tupe & Mr. Yogesh Sasane (Elected local representative), other dignitaries from education sector have graced the occasion.



## 8.0 Next Steps

For FY'18 - 19, following activities and the strategies are planned:

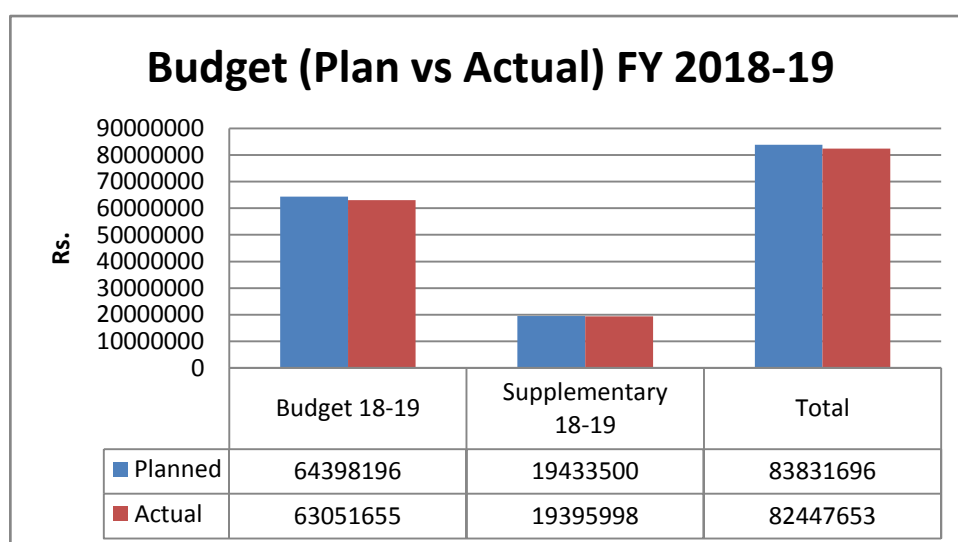
1. The project has identified community infrastructure improvement works in water and sanitation to benefit the 13,350 inhabitants. To reinforce, maintain and sustain the interventions proposed; formation of sanitation committees, awareness meetings/camps on health and hygiene for community and community institutions like VDCs, SHGs, Youth Clubs, Panchayat Samities etc has also been proposed. Activities under this objective will bring Improvement in Quality of Life Index through Access to Drinking Water, Improved Sanitation Facility, Reduction in women drudgery for water collection and Development of Community based maintenance system to ensure sustainability of infrastructure constructed.
2. Activities and Interventions under Agriculture and Animal Husbandry are set to ensure increase in production and income of 2,345 farming families by 15 - 20% through Agri-water Management, efficient Trainings and Exposures, Collective Farming & Trading, access to input/output market, promotion of Nursery, Allied Activities & Horticulture and adoption of good agricultural practices. Interventions will cover the 5,385 farmers with a target to double their income and reduce the poverty by 2020.
3. To make learning and education a holistic experience, various innovative teaching techniques are proposed to give students all-round development and growth. Apart from this as 70% of the Objective 3 budget has been allocated to infrastructure support so to maintain and sustain the structures formation and strengthening of school

institutions will also be supported in the FY'19-20. Activities and Interventions are set to ensure reduction in school dropouts, low attendance & increase in enrolment and retention in Anganwadis, at all levels of Schools and College. Distribution of Education kits, Promotion of Extracurricular and Sports Activities, Summer Camps, Behavioural Change Exercise with students, Career Guidance Program, Digital Literacy Program, Graphics Painting, Summer Camps and Life skill Trainings are incorporated to provide appropriate learning experience. Interventions will benefit around 9,391 students and Increase the opportunity in Employability/Life Skill in coming time.

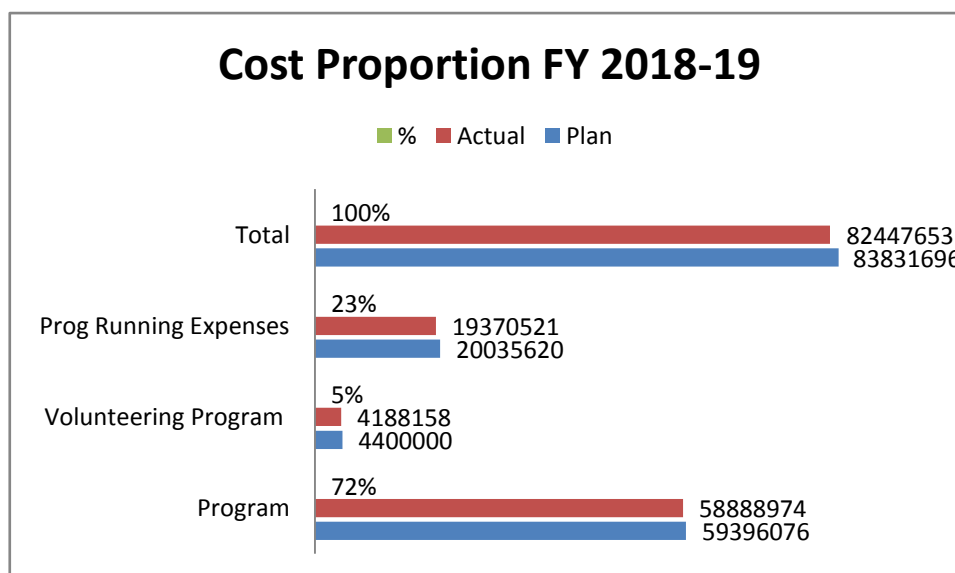
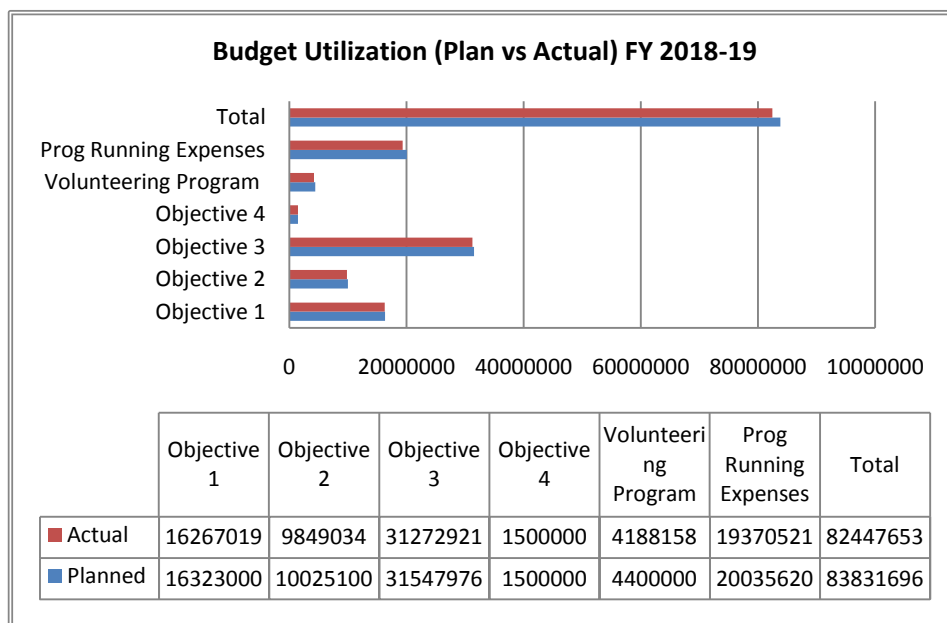
4. New economic opportunities for youth will be created by identifying vocational skills that meet the needs of local industries, and bridging the gap between employers and job seekers. For Skill and Entrepreneurship development various vocational skill trainings are proposed across all the locations.
5. 36 Volunteering Events have been proposed across all the locations through participation of John Deere Employees who will come forward to volunteer their time and expertise to get involved in activities being done under the program. 6% of the total Proposed Budget will be spent for this cross-cutting theme.
6. Quarterly in house financial audit process is in place to ensure appropriate fund utilization.
7. Provision of handholding support by the Central team members and Consultant Expert to ensure proper and smooth implementation and functioning of the Program.
8. Capacity Building Program for Central and Field Teams.

## 9.0 Budget Utilization

In the year 2018-19, the total approved budget was Rs.8,38,31,696/-, out of which Rs.6,43,98,196/- was the annual budget and Rs.1,94,33,500/- was supplementary budget. The total utilized amount is Rs.8,24,47,653/- which is 98% of the total approved budget. The total amount spent is 76% of annual budget and 24% of supplementary. Looking to the spending, 20% amount is spent in objective 1, 12% in objective 2, 38% in objective 3, 2% in objective 4, 5% in volunteering program & 23% is the program running expenses.







Of the total utilized amount, 34% is used by Pune Rural, 10% by Pune Urban, 14% by Nagpur, 18% by Dewas, 10% by Sirhind, 2% by the Labournet and 12% by Bhopal - central coordinating office for the program.

## 10.0 Case Studies and Success Stories

### DEWAS

Soybean is a Major Kharif Crop in Malwa region grown in more than 94% of land in Dewas District it is also known as Yellow Gold by locals. Initially it is highly profitable crop for farmers due to low cost of cultivation and low incidence of disease and pest but with the passage of time profit from Soybean has decreased remarkably. Reason behind it is increase in cost of cultivation and change in

climate mainly in last 3 to 4 years. As Soybean is a climate sensitive crop and high rainfall or long drought spell adversely affects the yield.

Through Project Samruddhi following criteria had followed for beneficiary selection under Soybean crop demonstration:

- Ready to take risk in changing normal sowing pattern to Raised bed furrow method
- Willingness to perform all the interventions in Demonstration
- Should be small farmer

On the basis of above criteria one of the farmers Mr. Umrao Chouhan from village Gujarbapcha was selected for Soybean crop demonstration. He is a poor farmer belongs to Schedule caste. Since last 3 years his Soybean yield falls between 6 to 7 Quintals per acre whereas cost of cultivation has been Rs 6,500 to 7,000 per acre as a result Net profit is very low.

Farmer's Profile:

He had been introduced with the following technology under soybean demonstration.

- Seed treatment.
- Sowing by Raised bed furrow method.
- Use of micronutrient like Sulphur.
- Integrated pest management.



To compare the Yield and Profit from demonstration plot, data from control plot has been taken.

#### Costs benefit Analysis of Demo Plot vs. Control Plot:

Particulars	Demonstration Plot	Control Plot (Aziz s/o Mohammad)
Name of Crop	Soybean	Soybean
Method of Sowing	Raised bed furrow.	Seed drill
Name of Variety	Certified JS-9560	Local JS-9560
Area in Acre	1	1
Date of Sowing	30/06/18	30/06/18
Date of Harvesting for yield analysis	21/09/18	21/09/18
Area for yield analysis	9sqm	9sqm
Average Production in Kg	2.2	1.9
Date of Harvesting	21/09/18	21/09/2018
Total days from Sowing to Harvesting	84	84
Cost of Seed (Rs.)	1,919	2,350
Cost of Land preparation (Rs.)	1,300	1,200
Cost of Fertilizer / Pesticide (Rs.)	630	1,500
Cost of Irrigation (Rs.)	0	0
Cost of Harvesting(Rs.)	1,300	1,300
Expenditure on Threshing (Rs.)	750	650
Total Cost(Rs.)	5,899	7,000
Total Production in Quintal	9.8	8.5
Total Income (Rs.)	29,400	25,500
Profit (Rs.)	24,101	18,615

From the above data, it is clear that the beneficiary farmer earned the profit of Rs. 24,101/acre. Reasons of high profitability are as follows:

1. Cost of cultivation in 1 acre demo plot is Rs. 1,101 less than the control plot cost.
2. Sowing is done by Raised Bed Furrow which is the prime reason of increase in yield by 1.3 Quintals/acre.
3. No chemical pesticides were used in Demonstration plot.

### NAGPUR

Neeldoh is one of the target villages under the Samruddhi Programme which is located in Hingna Taluka in Nagpur District of Maharashtra State, India. It comes under the drought-prone Vidarbha region. It is located 12 KM towards west from District headquarters Nagpur and 9 KM from Hingna. Village has total 98 households which is roughly having a population of 426.



Around 6 years ago, the village panchayat has started construction of Overhead Tank project and water connection to individual households through water pipeline. Due to some reasons, 30 - 35 households were left for individual connections at that time due to which they were forced to take water from open well which is approximately 100 - 150 meter away from their home. With the inception of Samruddhi in the village, on the request of the community members and the Panchayat as well as the

initial assessment, pipeline of 200 meter is laid down to provide water connection to left over families. Panchayat for this has charged 1000 INR per household as security money. Now all the families are able to get drinking water at their doorsteps.

Mrs. Shoba Pawar, a 50-year-old single mother was one of the beneficiaries who got the tap connection at their doorstep. She lives at the fag-end of the village on a hill top with her son and daughter who usually remain sick. Her main source of living is goat farming. Before she was provided with tap connection, she used to walk 150 meter daily to fetch water from open well for drinking and other works. As water was essential for her family as well as animals but fetching water would consuming almost 2 hours a day.

Collecting water for daily needs was tiring and taking toll on her health but with the help of the project she is now a proud beneficiary of tap water supply at her doorstep. She is happy and grateful of the Project and team and proudly mentioned that it's like her wish come true and now she can devote her time to other responsibilities which were neglected earlier.

### Pune Rural

Navnath Yadav is a resident of Sanaswadi village, which is in the Shirur block of Pune District. Farming is the major income source of his family. He owns 2 acres of land. Mr Navnath lives with his father, son and daughter.

He has been selected as a beneficiary for number of initiatives under Samruddhi project. In July 2018, he developed a 0.5 acre mixed vegetable plot with drip irrigation and mulching. He got a financial assistance of Rs. 30,000/- for this demonstration; it is almost 50% of the total investment. Earlier he used to cultivate





sorghum and pearl millet, his earnings from half an acre was less than Rs. 10,000/-. After 5 months of starting mixed vegetable farming he earned a net profit of Rs. 50,000/-. Using this money he dug a bore well and now he already completed the sowing for the second cycle. He is also planning to expand the vegetable farming in the future.

His family was in a need of alternative livelihood to have an additional income as the income from agriculture was not sufficient for them and their land holding was also small. During one of the farmers meeting he heard about the goat rearing initiative, then he approached the project for this program, after the need assessment he was provided with 3 female goats and within 6 months' time he could earn Rs 12,000 by selling 3 goats . Now he has 3 goats with him, he is planning to increase the number of goats as he finds goat rearing as a profitable alternative livelihood.

His son Kunal Navnath yadav was awarded with the scholarship for meritorious students from economically backward families. Now he is studying in 11<sup>th</sup> grade, scholarship support helped him to meet the partial expenses of his education. Thus Samruddhi Project is benefitting families like Navnath Yadav in its entirety.

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