

Samruddhi Annual Report

April 2019- March 2020

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"> 1. Improvement in quality of life index through access to safe drinking water and sanitation 2. Increased productivity of Agriculture by 15% /acre and Increased income of Farmers by 15 - 20%/annum 3. Number of students from government school (schools under the project) pursuing higher education (at each level) 4. Increase youth vocational skills and employability 5. Promoting Volunteerism
Volunteerism	Yes
Output/Outcomes	<ul style="list-style-type: none"> • Improved Sanitation • Ensured Irrigation • Improved Agricultural Practices • Ensured Income Increase of Farmers • Preventive Health Care Services for Cattle • Ensured quality education and improved educational infrastructure facilities • Ensured Youth Employability • Promoting Volunteerism
Budget	INR 9,57,27,735 (Inclusive of Supplementary Budget)

2.0 Introduction

Being a catalyst for positive change, through their flagship program "Samruddhi", John Deere India is committed to serve, engage and empower socio-economic well-being of vulnerable families in several geographies where John Deere India's manufacturing units are functional in the country. Since 2015, John Deere India and the Centre for Advanced Research & Development (CARD), through the 'Samruddhi Program' have significantly impacted the lives of 65,678 inhabitants across the 5 locations in 3 states.

The comprehensive multi-year program, incorporates an integrated approach, that holistically empowers the socio-economic well-being of vulnerable families. Its village and slum development components have engaged and impacted communities in the program areas through enhanced community infrastructures, alternative agricultural practices, improved access to quality education, and vocational trainings.

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 Gurjarpacha 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 Dhamdhare.
- ✚ **Nagpur:** 3 villages namely Neeldoh Pannase, Mangrool and Metaumari
- ✚

Mission, Vision & Objectives

Samruddhi objectives align with and address John Deere India's corporate social responsibility focus areas- 'Solutions for World Hunger, Education & Community Development.'

- ❖ **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 Agricultural productivity by 15% /acre and Increase Farmer income 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

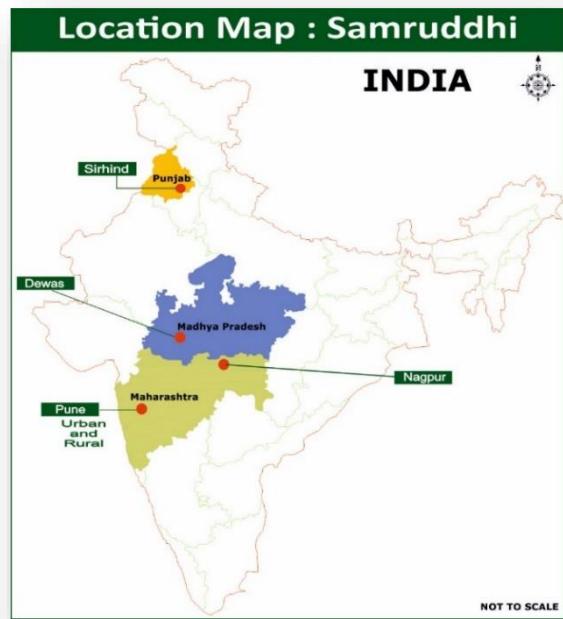
A cross-cutting theme is promoting volunteerism among John Deere India employees.

In FY'19 - 120, the John Deere India approved a one year grant of INR 9,57,27,735 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 2019 through March 2020.

3.0 Activities

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

1. **LIQUID WASTE DISPOSAL:** Under this intervention; drainage line of 3070 running meters has been constructed in Amampura, Kankund, Khatamba, Gurjarbapcha, Mangrool and Metaumari villages. Intervention will ensure safe disposal of waste water and improved sanitation conditions for 720 HHs.



2. **SAFE SANITATION PRACTICES:** Under this intervention; construction of 190 individual toilets in Kasari, Talegaon, Kankund, Khatamba, Jamgod, Jaitpura, Gurjarbapcha, Metaumari & Neeldoh has ensured safe sanitation by providing open defecation free environment for 950 users.

3. **STRENGTHENING THE COMMUNITY GROUPS/INSTITUTIONS:** Regular Meetings with members of VDC, Sanitation committees, SHGs, Youth Clubs, Panchayat Committees and villagers across all locations have been ensured to make the community interventions sustainable, inhabitants aware about safe sanitation practices and personal hygiene. To support this regular cleanliness drive and awareness meetings were conducted.



4. **SAFE DRINKING WATER:** Initiatives like establishment of RO system, installation of overhead water tank, deepening of wells and laying of drinking water pipeline has ensured availability of drinking water for 920 HHs.

- i. Community RO system has been repaired in Amampura which has ensured safe drinking water for 100 HHs. RO system is consisting of high pressure pump, submersible pump and water cooler having storage capacity of 150 liter per hour. RO system has a capacity of dispensing 5000 liter water per day and it is estimated that average requirement of water is 1200 - 1500 liter per day. Operations and Maintenance will be taken care by the Panchayat of Amampura.
- ii. Fiber overhead water tank of 3000 liter capacity has been installed in Metaumari village. Water is being lifted from the nearby community well. Intervention will address the need of drinking water for 365 HHs. As water level at community well has remarkable increased due to good monsoon so it is anticipated that water will be available in the peak summer as well.
- iii. 2 community wells are deepened in Mangrool & Neeldoh village to ensure drinking water for 300 HHs. 1 recharge pit is also constructed around Mangrool community well which will allow the rainwater to replenish the water level of the well.
- iv. Laying of another 624 meter long water pipeline has ensured drinking water supply for 155 HHs of Metaumari Village. All the beneficiaries could now get water supply for half an hour in the morning.



5. **OTHER COMMUNITY INFRASTRUCTURE SUPPORT:**

Community infrastructure works like renovation of community/individual toilets, community hall and construction of culvert has benefitted 500 HHs.

- i. Renovation is done in 6 community toilets across Gosavi Vasti, Lohiya Nagar, Shinde Vasti and Gosavi Vasti to make units functional and usable. Initiative will benefit 1000+ inhabitants to use the toilets aiming to provide safe sanitary conditions to people living in slum areas.



- ii. Renovation of 1 community hall at Tarvade Vasti slum is done which is being used for multiple purposes like operating anganwadi, support classes and other community level programs. Initiative will benefit 70 students of support classes and 50 HHs of the slum.
- iii. Renovation of 1 community hall at Lohiya Vasti slum is done which is being used for running support class and other community level programs. Initiative will benefit 27 students of support classes and 140 HHs of the slum.
- iv. Under maintenance work; 8 Individual toilets are painted in Kasari Village.
- v. 60 meters long RCC culvert has been constructed over the main stream of the village Gurjarbapcha. This culvert has now connected the main village with its hamlet Nanda Nagar thus benefitting 100 HHs of the village.



Objective 2: Increased Agricultural productivity by 15% /acre and Increase Farmer income by 15 - 20%/annum

1. **KNOWLEDGE INPUTS:** Through knowledge inputs like capacity building of farmers, ARC & FPO facilities and demonstrations; 3500+ farmers are benefitted.
 - i. **Capacity buildings of Farmers/SHGs/FIGs/FPO members:** Capacity of around 2500 farmers of Sirhind, Pune Rural, Dewas and Nagpur is built through training and exposure visit. Farmers are oriented through awareness trainings, exposure, expert visits, on field interactive sessions towards improved agricultural practices ensuring increased adoption of best and sustainable agriculture practices
 - In Sirhind; 75 farmers motivated to use the bio-pesticides and affirmative to crop rotation and soil testing.
 - In Pune Rural; 6 farmers adopted Integrated Pest Management methods like pheromone trap and bio pesticides, 8 farmers decided to cultivate orchard crop with precision irrigation method through drip irrigation, 19 farmers started preparing bio fertilizers and another 6 farmers adopted spacing, INM, IPM practices, etc. in their cash crops.
 - In Dewas; Kisan Sammelan has been organized in village Kankund. Total 467 farmers have attended the sammelan where KVK scientists and various line department officials shared their knowledge on improved agriculture practices and also guide the farmers.



ii. **Agriculture Resource Center:** Under expansion of ARC in Pune Rural, more agriculture implements have been procured. Total 111 farmers have hired the implements on rent which generated the income of Rs. 42,320. As ARC is fully functional and even providing in house trainings as well and expected to garner 3 times more income in the coming financial year.



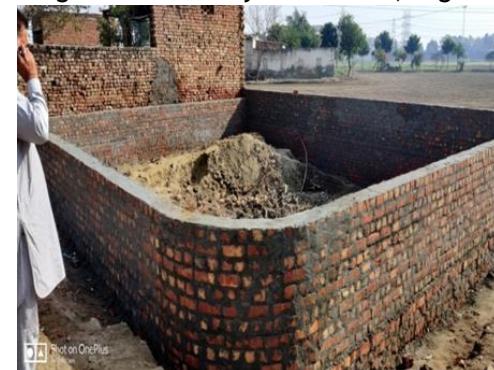
iii. **Farmer Producer Organization:** 3 FPOs are registered in Pune Rural & Dewas which has benefitted 687 farmers.

- Pune Rural: Forecast Agrotech, Pune is hired as a consulting agency for FPO strengthening. Talegaon FPO is working on a business plan whereas Yashovriddhi FPO in Darekarwadi is also working on possibilities related to collective marketing. Capacity building of FPO members is being done regularly.
- Dewas: Mini soil testing lab has been established under FPO at village Jamgod which was inaugurated by Mr. Shailendra Jagtap and other John Deere representatives of JDDW on 3rd, February, 2020. Members of the FPO will now be able to test their soil within no time at very low cost. The report of soil test will encourage farmers to use recommended dose of fertilizers which will improve the soil health and also reduce the cost of cultivation. Business of selling storage bag for Onion and garlic has picked up well and till the end of FY'19-20, 7000 bags are sold.



iv. **Demo Plots/New Practices:** Demonstrations like management of farmyard manure, organic farming, using drip in vegetable crops, nursery and high yield varieties of soybean & wheat and fodder cropping has benefitted 257 farmers.

- Management of farmyard manure has benefitted 5 farmers of Sirhind who are dumping their farmyard manure and in an enclosed dump yard. Compost will be used by them in their fields which will reduce the dependence on organic fertilizers and pesticides to some extent.
- In Pune Rural; group of 25 farmers are doing organic farming in their one acre land under the guidance of a consultant ensuring organic certification process as well. Farmers are being given regular trainings on bio fertilizers and bio pesticides. If all goes as per the plan then farmers will be provided with certified residue free produce/crop in the first year. Other farmers of the region are also motivated and has shown interest in organic farming, thereafter 3 farmers



started organic farming on their own whereas 16 farmers started using bio fertilizers and bio pesticides.

- Drip support at subsidized cost has been extended to 15 farmers who are cultivating vegetable crops like tomato, brinjal, chili, cucumber etcetera. Farmers are not only saving 60% water but are also applying liquid fertilizer through drip irrigation.
- Nursery on rented land is being run by 12 members women SHG. Apart from rent, rest of the infrastructure has been provided by the project. Till this financial year SHG has able to generate 1,07,977 INR by selling local variety of saplings like Tomato, brinjal, cabbage, chili, cauliflower, drumstick, marigold etc. were taken and 50,000 saplings are delivered to farmers. Locally Availability of quality saplings to 53 beneficiaries at subsidized rate. At regular intervals capacity building of SHG group on nursery management has been done.
- In Dewas; 100 farmers have been supported to promote certified/foundation seeds of high yielding varieties JS-2034 and HI-1544 of Soybean and Wheat crops respectively. 45 farmers have been provided with certified seeds of Soybean and have stored about 14.75 quintals of seeds for next kharif season. 55 farmers are provided with foundation seeds of Wheat and they are harvesting their crops.
- In Sirhind; 100 farmers have been supported with Berseem Seed for fodder crop of BL-42 variety. It is observed that average Yield of BL-42 variety is 60-70 quintals per acre. The farmers have harvested the fourth crop of the fodder whereas harvesting of fifth crop was underway at the time of reporting.



2. **INPUT SUPPORT:** Through agricultural inputs and onion storage system; 1100+ farmers are benefitted.

- i. **Input Supply:** Distribution of inputs like battery operated spray pumps/power sprayers, NPK Micro Nutrient kits, solar insect traps, vermicomposting bags and seeds of high yield variety of wheat, paddy and fodder has benefitted 1133 farmers.
 - Inputs like battery operated spray pumps/power sprayers are given to 200 farmers of Pune Rural and 12 FIs of Dewas. In Dewas 105 farmers have used the sprayers on

about 283 acres of land for various crops. Most of the farmers acknowledged that sprayers are time saving, reduced drudgery and spray pesticides/weedicides uniformly.



- In Pune Rural; NPK Micro Nutrient kits are provided to 300 farmers. Most of the farmers reported enhanced crop growth and 10% less attack of pests. Another 40 farmers are distributed mastitis cups to curb the infection in livestock. 100 solar insect traps have also been distributed across all target villages to save on pesticides/insecticides.
- 80 farmers of Pune Rural & Nagpur are provided with vermicomposting bags. Farmers are using vermicompost to increase the soil health.
- Fodder seeds are distributed to 120 farmers of Pune Rural & Sirhind which ensure sufficient fodder for livestock during peak summers as well.
- Seeds of High Yield Variety (project area specific) of Wheat and Paddy are distributed to 198 farmers. Also support of organic fertilizers has also been extended to the farmers whereas in Sirhind seed treatment kit has also been given to 130 farmers.



- ii. **Onion Storage System:** 1 onion storage structure of capacity 5 to 6 tons has been constructed each in Jamgod and Kankund villages. 2 farmers are benefitted from this intervention which allows them to store onion in bulk by scientific method and sell it in the market in due time to fetch good price.



3. **HORTICULTURE:** Through kitchen garden and orchard development; 240+ farming households are benefitted.

- Kitchen Garden:** In Sirhind; vegetable seeds of apple gourd (tinda), lady finger, bitter gourd, ridge gourd etc. are distributed to 155 HHs. Beneficiaries have established kitchen gardens in their backyards.
- Orchard Development:** 89 farmers across Pune Rural, Dewas, Sirhind & Nagpur are distributed fruit saplings as a supplementary income source. Locally grown hybrid variety of fruits like lemon, guava, jujube (ber), blackberry (jamun), mandarin (kinnow), custard apple, rose, mango, orange and sweet lemon have been provided to the farmers. Land preparation, pit digging and planting is done by the farmers themselves. In Patiala; the rest of the work i.e. land preparation, and pit digging and planting has done by the farmers.



Whereas in Dewas and Nagpur; drip irrigation system support is also extended to the farmers. In Pune Rural; 3 farmers have opted onion intercropping and earned Rs.2,40,150/- as net income.

4. AGRI-WATER MANAGEMENT: Through construction of check dams and renovation and deepening of wells, check dams and ponds; 425 farmers are benefited which has ensured irrigation on 435 acres of land. Interventions has created around 82,000 cubic meter water storage potential which will aid in recharging nearby bodies and subsequently increasing the water table of the area.

i. **Check Dam (Nala Bandhara):** Total 9 check dams are constructed in FY'19-20 which has ensured irrigation on 235 acres of land of 225 farmers and increase the water table of surrounding water bodies as well.

- Construction of 2 Cement Check Dams at Rautwadi (Shikrapur) and Kasari has stalled due to imposition of countrywide lockdown because of COVID 19 pandemic. 50% of the work is done in both the structures and will resume once the lockdown ceases. Structures will create water storage capacity of 19,789 cubic meter and total 42 hectares of land will be irrigated which will benefit 150 farmers of the area. Nala would be rejuvenated after deepening work and will increase the water table of the area as well
- Total 4 Stop dams are constructed in Dewas which will provide supplementary irrigation on 80 acres of land of 50 farmers of the area. Apart from this water storage potential of 12,000 cubic meter will be created which will aid in recharging nearby water bodies.
- Total 3 Stop dams are constructed in Nagpur which will provide supplementary irrigation on 50.5 acres of land of 25 farmers of the area. Apart from this; intervention will also increase the water table of 24 wells of Mangrool and Neeldoh Village.



ii. **Renovation/Deepening of Agri-Water Harvesting Structures:** Renovation and deepening of check dam, ponds and wells has ensured irrigation on 200 acres of land, created additional 48,000 cubic meter water storage potential which will benefit 200 farmers and increase the water table of the area.

- Widening and Deepening of Talegaon check dam has stalled due to imposition of countrywide lockdown because of COVID 19 pandemic. 50% of the work is done in both the structures and will



resume once the lockdown ceases. Structure will create water storage capacity of 21,276 cubic meter and total 140 acres hectares of land will be irrigated which will benefit 100 farmers.

- Total 4 existing ponds have been deepened and renovated in Dewas to ensure recharging of nearby water bodies. Additional water storage of 26000 cubic meter is also increased in these ponds which will benefit 80 farmers of the area.
- Total 20 farm have been deepened to ensure supplementary irrigation on 60 acres of land which will benefit 20 farmers of the area.



5. *ALLIED ACTIVITIES:* Through Poultry, Goatery and Dairy; 141 farming households are benefitted.

- Poultry:** In Pune Rural; 48 backyard poultry shed units are constructed which has benefitted 48 poor females of the project villages. Beneficiaries are provided with chickens of kaveri variety and their feed. Vaccination has also been done in all the birds. is also completed. Beneficiaries are earning net income of Rs. 3600/- as a supplementary income. Whereas in Nagpur 1 household is supported with 20 chickens of local variety for poultry.
- Goatery:** 86 HHs are covered for goatery intervention across Sirhind, Dewas & Nagpur. In Sirhind & Dewas, each household has been given 2 goats whereas in Nagpur each household has been given 3 goats.
- Dairy:** Support of 6 buffaloes has been given to 6 marginal families to ensure income through dairy.



6. *CATTLE HEALTH & BREED IMPROVEMENT:* Through animal health camps 1629 farmers are benefitted.

- Animal Health Camp:** Total 39 animal health camps are organized across Sirhind, Pune Rural, Nagpur and Dewas which has benefitted 1629 farmers. Through veterinary support around 9067 cattle have received services deworming, vaccination, general treatment, deworming and pregnancy diagnosis. In the long run such camps ensure overall health status of animals and timely interventions in case of skin diseases, loss of appetite, infertility, fever etcetera. Through these camps beneficiaries are also get general awareness regarding management of diseases and feed to be given.



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

1. **INFRASTRUCTURAL SUPPORT:** Through development of model School, anganwadi, renovation and facilities like toilets & seating arrangement; around 2100 students are benefitted.

i. **Model School Development:** Govt. Primary School, Chailaila has transformed into Model School which has benefitted 80 students. Following activities are done in the Model School:

- Mud Phuska terracing
- Construction of cultural activity stage of Stage & Shed
- Flooring including paving work
- Toilet Repairing
- Painting
- Graphics
- Complete electrification
- Computer & Printer support
- Seating arrangement

The entire work was appreciated by the DO of State, Secretary Education and District Education Officer. For ensuring the proper maintenance of the Model school, panchayat, school management committee representative & other school staff members were involved. SMC will be responsible for maintenance of the school.



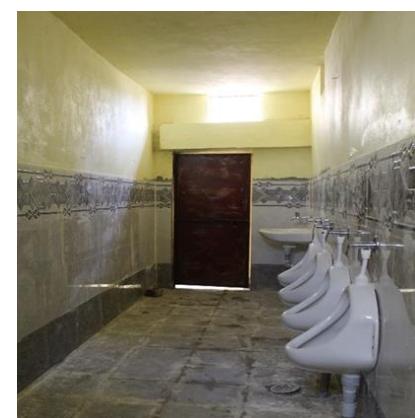
ii. **Toilets & Sanitation Facilities:** Toilet facilities at schools has benefitted 873 students.

- In Sane Guruji PMC School Complex of Pune Urban; 3 schools are functioning. Toilet blocks for boys and girls are renovated by changing tiles and sanitary fittings. Intervention has benefitted 651 students of the school.
- In Zila Parishad Upper Primary School of Metaumari Nagpur; separate toilets for girls and boys are constructed which has ensured safe sanitation practice for 108 students of the school.
- In Zila Parishad Schools of Darekhe Vasti, Shinde Vasti and Dhyarkar Vasti of Talegaon Pune Rural; Toilet blocks for boys and girls are constructed to provide safe sanitation for 114 students. In Darekhe Vasti; school compound wall is being built to ensure safety of students whereas in Dhayarkar Vasti handwashing unit has also been provided to the students.



iii. **Renovation & Construction:** Makeover of schools and anganwadis make the environment child friendly and conducive for learning. Interventions under this has benefitted 1101 students.

- In PMC School No. 100 of Pune Urban; following works are done under renovation & construction:
 - Overall flooring



- 2 Toilet blocks for boys including 8 urinals
 - Furniture & books for Library
- Initiative has benefitted 295 students of the school.
- In Govt. High School Kankund, Govt. Primary School Pitawli & Govt. Middle School Jamgod of Dewas; following works are done under renovation & construction:
- Tin shade
 - Water Proofing
 - Septic Tank
 - Boundary Wall
 - Kitchen
 - Toilet complex
 - Sanitary work & fitting
 - Handwashing unit
 - Cultural activity stage
 - Flooring including tiles fitting
 - Paving pathway
 - Overall painting
 - Graphics
 - Channel gate
 - Main entrance gate
 - Furniture for students & teachers
 - Water Campers



Initiative has benefitted 306 students of the schools. In Kankund, a culvert over small water stream has also been built to ensure safe movement of students during monsoon.



- In Z.P Upper Primary School Metaumari of Nagpur; rainwater harvesting structure has been built to collect the rainwater to be used in case of water scarcity. Graphic painting is also done in the school. Intervention has benefitted 108 students of the school. Whereas paving pathway has been laid in Z.P Primary School Neeldoh to create child friendly environment for 20 students of the school.
- In Z.P. School, Narke Vasti Kasari of Pune Rural; renovation including boundary wall construction, paving pathway, plumbing work, painting & landscaping has been done whereas in Kumar Jaysingrao Dhamdhare ZP School, Talegaon; 3 classrooms are constructed. Intervention has benefitted 372 students of the schools.



iv. Seating Arrangement: 50 sets of bench & desk in each ZP Upper Primary School of Metaumari, Mangrool & Neeldoh of Nagpur has been provided. Facility of seating arrangement has benefitted 100 students of the schools.

v. Anganwadi Development: In PMC School No 87 Mahatma Phule Vasti of Pune Urban; new anganwadi building was constructed as there was not sufficient space for anganwadi children

which was running in the porch. New building has benefitted 30 children of the anganwadi and initiative will definitely attract more enrolments.

2. AVAILABILITY & QUALITY OF TEACHING LEARNING MATERIALS & FACILITIES: Around 5000 students are benefitted through digital learning, educational kits, library, fully functional labs and ISO anganwadis. Interventions has opened way for making learning attractive and child friendly.

i. **Educational Kits/TLM:** Study material, stationary and other teaching learning material has benefitted around 400 students.

- In Pune Urban; Education kit & learning materials have been distributed to 270 students of support class and 10th standard residing in six slums. Kit includes stationary, grammar book, guides and notebooks.
- In Nagpur; Teaching Learning Materials like drum, molded chairs, shoe stands, racks for books in library and sports material have been provided to ZP Upper Primary School Metaumari and Mangrool. Intervention has benefited 129 students of the school.



ii. **Digital Learning Labs:** digital learning facilities like computer classes and tab labs has improved learning experience for 3500 students across the locations.

- In Pune Urban, 5 well equipped computer labs are running regularly which are benefitting 1516 students of 11 PMC Schools. Total 7 qualified computer teachers are appointed for the computer literacy program. As per the post test results 1045 students showed significant improvement in computer skills.
- In Pune Rural; computer classes are running in 7 ZP schools benefitting 1857 students. In assessment test 1750 students have shown significant improvement. Total 10 qualified computer teachers are appointed for the computer literacy program.
- In Nagpur, regular computer classes for 108 students of Metaumari ZP School is going on. Performance of students is being captured on regular basis. Classes are being taken by a qualified teacher appointed under the project.
- In Sirhind; Tablet based Learning Program for English & Match subject for 6th through 7th standard is running regularly benefiting 123 students of Govt. Sr. Sec. School, Chailaila. 2 qualified teachers are appointed for Tab Lab classes.



- In Dewas; Tab lab/smart class is running in well and is benefitting 274 students of Middle School Jamgod, Khatamba and Jaitpura. Through tablet based learning, English, Math and Science subjects are being taught.
 - iii. **Well Equipped Library:** In Wabalewadi ZP School of Pune Rural, Library setup including painting, furnishing and books are completed. Library is benefitting 432 students and help in developing reading habit and increase their general knowledge as well.
 - iv. **Development of Functional Labs:** Teaching through well-equipped computer lab, science lab and e-learning software has made learning a great experience for 839 students.
 - In PMC School No. 04 & 87 (Banter Campus) Sainath Vasti of Pune Urban; Computer Labs are fully repaired. Whereas in School No.4 apart from computer lab, science lab & library are also set up. Intervention has benefitted 665 students of the school.
 - In 5 anganwadis of Pune Rural; computer sets with e-learning software has been provided. Initiative has ensured learning by poems, songs and dancing for 174 children.
 - v. **ISO Certification of Anganwadis:** In Pune Rural 5 anganwadis of Sanaswadi have completed ISO certification. Capacity of Anganwadis are built on upkeep of records, kitchen management, soft skill activities for children and communication. Intervention has benefitted 569 students of the area.
3. **STUDENT MOTIVATION & TEACHER SUPPORT:** 8000+ students are motivated through scholarship, summer camps & exposure visits, extra-curricular activities, tuition & support classes, improvement classes, counselling & life skills sessions and additional well qualified teachers to enhance and maintain the interest of students in learning.
- Student Scholarships:** Total 490 needy & potential students across the locations have been awarded scholarships of Rs.5000 to continue their education and fulfil educational needs. In Pune Rural; 24 students are given bicycles as a scholarship support in kind. Awardees are using bicycles to commute from their homes school.
 - Summer Camps & Student Exposure Visits:** In Pune; 794 students are benefitted from summer camps and exposure visits.
 - Extra-curricular Activities:** Across all locations; 4555 students are encouraged to participate in extra-curricular activities like painting, quiz,



- writing, essay writing, dance, singing, yoga classes, clay modelling, art & crafts, reading, campaign on financial literacy, science exhibition, sports, cultural programs and music.
- iv. **Tuition & Support Class:** across the locations tuition and support classes have been run for comparatively weaker students to improve their performance in the class and score decent grades. Total 1112 students from 1st through 10th standard have benefitted from the intervention.
- v. **Improvement Classes:** level of English teaching and learning is not up to the mark in government schools so to bring the improvement, English remedial classes have been run in Pune which has benefited 269 students.
- vi. **Counselling & Life Skills:** Through counselling and life skill trainings on self-study technique, career guidance, health & hygiene, self-awareness, gender & communication, decision making & problem solving, stress management, leadership and conflict solving, time management and budgeting; capacity of 1628 students have been built.
- vii. **Support Teachers:** Support of 37 teachers for support class, music & computer & tab classes have been ensured through Samruddhi Program so that gaps can be filled to improve the level of education in the schools.
- viii. **Teacher & Anganwadi Staff Capacity Building:** Through trainings and orientation; capacity of 250+ teachers, animators, AWWs, SMC members have been built. Tab lab, Smart Class, Computer Class, School Management and Anganwadi Functioning.



Objective 4: Increase youth vocational skills and employability

In Pune; 300 youths have completed their certification course in Assistant Electrician, Data Entry Operator and Auto Service Technician through LabourNet. Placement process is being done by LabourNet. In Sirhind, Dewas & Nagpur; 115 beneficiaries are trained and self-employed in some or the other vocational



skills/petty business like basic computer, tally, typing, tailoring, tent house, fabrication shop and salon. Out of 415 beneficiaries; 1 is placed as an accountant in a bank, 8 beneficiaries have opened a tent house, another beneficiary has opened a salon whereas fabrication shop is started by 1 more beneficiary. 7 females trained in stitching are attached with readymade shirt retailers, one has opened a boutique while 18 are working as seamstress.



4.0 Volunteerism

37 volunteering events have been organized across all the locations observed the enthusiastic involvement of 1,345 John Deere Unit team members and global team members to work as volunteers. Volunteers contributed 6,725 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	10 th April, 2019	CTS team	37	PMC School No.100 (Bunter School Campus) Mahatma Phule Vasti	<ul style="list-style-type: none"> • Flooring Work • Graphics Painting
2	27 th April, 2019	CPS services, Engine engineering, CTL lab	3	Sanaswadi School	<ul style="list-style-type: none"> • Hour of Coding: 40 students are explained about the computer functions
3	17 th May, 2019	CPS services	29	ZP School & Anganwadi, Dingrajwadi	<ul style="list-style-type: none"> • Painting of classrooms, boundary wall & anganwadi
4	12 th July, 2019	Finance Department	52	Shikrapur, Varude & Kasari	<ul style="list-style-type: none"> • Constructed 12 backyard poultry sheds
5	23 rd July, 2019	JDPW Employees	87	Kanhur Mesai	<ul style="list-style-type: none"> • CCT work
6	24 th July, 2019	JDPW Employees	95	Kanhur Mesai	<ul style="list-style-type: none"> • CCT work
7	27 th July, 2019	Manufacturing Service Department	13	PMC School No. 32 (Sane Guruji Vidyalaya) Lohiya Vasti	<ul style="list-style-type: none"> • Graphics Painting • School Painting
8	2 nd August, 2019	IT Department	15	ZP School Vasewadi (Sanaswadi)	<ul style="list-style-type: none"> • Graphics Painting in 3 classrooms
9	7 th August, 2019	JDSW	28	Govt. Primary School Chailaila	<ul style="list-style-type: none"> • Graphics Painting in 3 classrooms • School ground levelling & Plantation • Cleaning of lawn & Garden Development
10	30 th August, 2019	Public affairs and Finance Department	21	Varude	<ul style="list-style-type: none"> • Custard Apple saplings plantation in 1 acre land
11	4 th September, 2019	John Deere C&F PV&V Lab	7	Talegaon	<ul style="list-style-type: none"> • Constructed 3 backyard poultry sheds
12	4 th October, 2019	Programme management Team	15	Sanaswadi	<ul style="list-style-type: none"> • Custard Apple saplings plantation
13	11 th October, 2019	ISG Dept	11	Lonikand	<ul style="list-style-type: none"> • Constructed 3 backyard poultry sheds
14	11 th October, 2019	John Deere Electronic Solutions	40	Shikrapur	<ul style="list-style-type: none"> • Lemon Plantation
15	18 th November, 2019	HR	49	Shikrapur	<ul style="list-style-type: none"> • Lemon Plantation • Constructed backyard poultry sheds

16	21 st November, 2019	Public affairs & Finance Department.	28	Kasari & Shikrapur	<ul style="list-style-type: none"> Graphics Painting & Lawn Development Constructed 5 backyard poultry sheds
17	22 nd November, 2019	JDDW	62	Panchayat Bhawan Kankund & Govt. Primary School Pitawli	<ul style="list-style-type: none"> Laying of paving blocks
18	6 th December, 2019	JDPW Employees	65	ZP School Koyali & Shikrapur	<ul style="list-style-type: none"> Graphics Painting Vegetable Plantation & Mulching
19	16 th December, 2019	JDPW Employees	77	Kanhur Mesai	<ul style="list-style-type: none"> CCT work
20	17 th December, 2019	JDPW Employees	92	Kanhur Mesai	<ul style="list-style-type: none"> CCT work
21	17 th December, 2019	JDDW	50	Middle School Jamgod	<ul style="list-style-type: none"> Graphics Painting on boundary wall
22	18 th December, 2019	JDPW Employees	93	Kanhur Mesai	<ul style="list-style-type: none"> CCT work
23	3 rd January, 2020	Supply Chain Management	100	Narkewadi, Kasari, Shikrapur, Guravmala	<ul style="list-style-type: none"> Graphics Painting Laying of paving blocks Development of nursery Landscape gardening
24	10 th January, 2020	Manufacturer Services	35	PMC School No.87 (Bunter School Campus) Mahatma Phule Vasti	<ul style="list-style-type: none"> Graphics Painting
25	14 th January, 2020	Global 2030 leadership	9	Talegaon	<ul style="list-style-type: none"> Demo Plot of mixed vegetables
26	18 th January, 2020	MS	19	Varude	<ul style="list-style-type: none"> Constructed 4 backyard poultry sheds
27	18 th January, 2020	MS	16	PMC School No.87 (Bunter School Campus) Mahatma Phule Vasti	<ul style="list-style-type: none"> Painting at school campus
28	22 nd January, 2020	PDC	20	Mangrool	<ul style="list-style-type: none"> Vegetable plantation including drip & mulching support
29	24 th January, 2020	IT Department	13	Kasari	<ul style="list-style-type: none"> Demo Plot of vegetables
30	6 th February, 2020	Country Leadership team	45	ZP School Varude	<ul style="list-style-type: none"> Demo Plot of mixed vegetables School Painting Interaction with village community to discuss the scope of Model Village
31	7 th February, 2020	ISE team	30	Varude	<ul style="list-style-type: none"> Constructed backyard poultry sheds
32	21 st February, 2020	Finance	16	Shikrapur	<ul style="list-style-type: none"> Development of nursery •
33	26 th February, 2020	Vehicle Focus Factory	30	Talegaon	<ul style="list-style-type: none"> Brick Work at School
34	28 th February, 2020	BPM team	8	Talegaon	<ul style="list-style-type: none"> Onion Harvesting
35	29 th February, 2020	TCI Leadership	30	Varude	<ul style="list-style-type: none"> Demo Plot of vegetables

36	7 th March, 2020	JDSW		Govt. Primary School Reethkhedi	<ul style="list-style-type: none"> Graphics Painting in 4 classrooms, playground & main gate of school Ground levelling and laying of paving blocks Plantation Cleaning of lawn & Garden development
37	13 th March, 2020	JDDW	5	Panchayat Bhawan Gurjarpacha	<ul style="list-style-type: none"> Laying of paving blocks Painting of boundary wall



5.0 Staff Capacity Building



Across all locations, capacity of Samruddhi Program staff including animators has been built through 16 trainings and exposure visits. Staff has been oriented to gain insight, improving expertise and skills through knowing about novel information and changing perceptions. Topics covered are innovation in farming (watershed

management, climate resilient crops, fishery, soil testing, organic farming), ideal village, documentation including photography, video & audio clips, data collection, using social media, communication, team building, time management, water & sanitation, monitoring, logical framework



6.0 Social Return on Investment

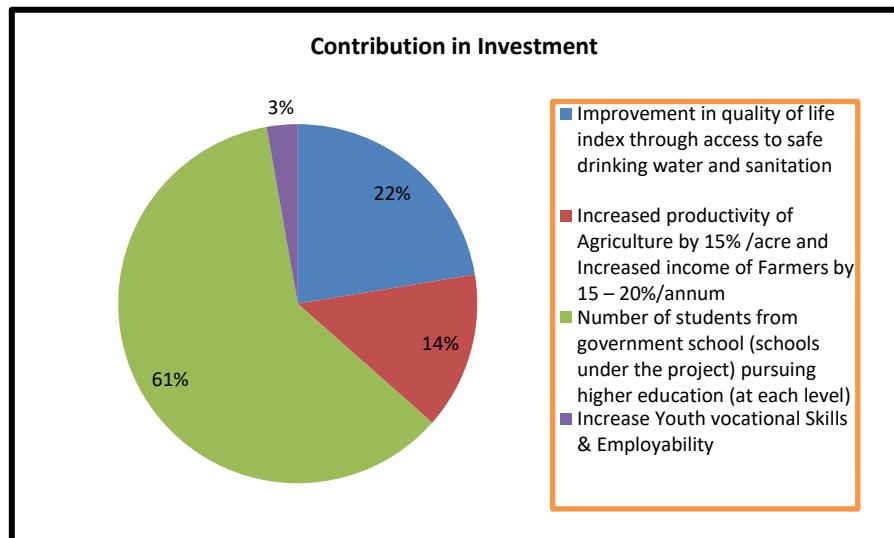
Social Return on Investment (SROI) is a framework for measuring and accounting for a broad concept of value, taking into account social, economic and environmental factors. It is recognised as a leading method of measuring impact. SROI allows us to compare the amount invested in a particular project with the value created, by valuing the different outcomes that have occurred. The SROI framework uses monetary values to represent outcomes. Once these monetary values have been established, a cost: benefit analysis is conducted that includes the notion of social value. Finally, a SROI ratio is produced that shows the social value in Indian Rupee terms, against money spent/ investment on the project or programme.

Samruddhi Program has invested Rs.23.59 Cr. in the program interventions including volunteering works, personnel & other operative cost in the project period of August, 2015 to March 2019, out of which Rs.52849941/- (22%), Rs.33333374/- (14%), Rs.143197827/- (61%) & Rs.6548544/- (3%) had been spent in objective 1: Improvement in quality of life index through access to safe drinking water and sanitation, objective 2: Increased productivity of Agriculture by 15% /acre and Increased income of Farmers by 15 - 20%/annum, objective 3: Number of students from government school (schools under the project) pursuing higher education at each level & objective 4: Increase Youth Vocational Skills and Employability respectively.

In the initial phase of the program, the major focus was on infrastructure related inventions i.e. objective no 1 &

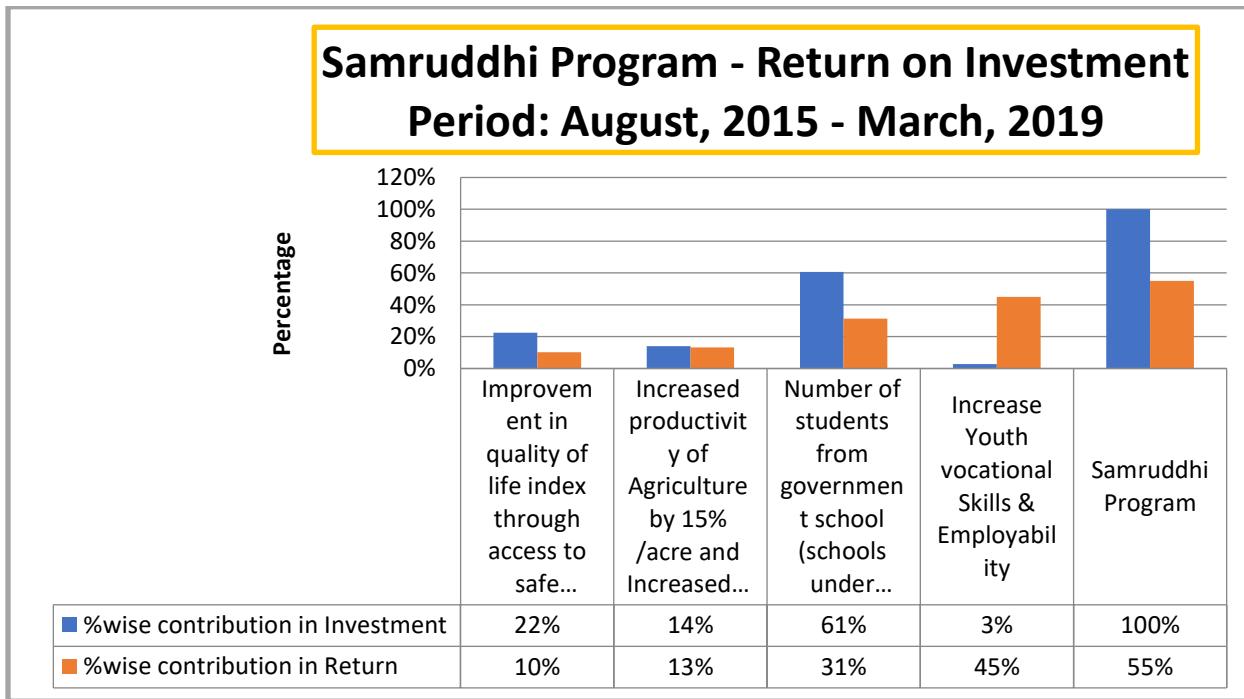
3, looking to the investment till March 2019, 83% of the total program investment was in objective 1 & 3, 14% investment in objective 2 and 3% in objective 4.

For capturing the return on investment, the time period of Aug, 2015 to March 2019 has been taken for conducting the SROI exercise. We have calculated the return of the program looking to the savings and increase in income among the target community, which is Rs.13.05 Cr. The return on investment of Samruddhi Program is 0.55, which means we are investing one Rupee, the return is 0.55 Rupee. Initially looking to the community needs, the focus was more on investment in infrastructures development like drainage system, drinking water supply units, created sanitation facilities, school infrastructure etc. so the investment seemed to more as compared to the returns, but in the longer run it will built human & social capital.



Sr. No.	Name of Objectives	Investment (August 15 - March, 19)		Total Net Retrun		
		Rs.	Percentage Contribution	Rs.	SROI=Net Social Value/ Total Investment	Percentage Contribution
1	Improvement in quality of life index through access to safe drinking water and sanitation	52849941	22%	13436791	25%	10%
2	Increase productivity of Agriculture by 15% /acre and Increase income of Farmers by 15 – 20%/annum	33333374	14%	17291171	52%	13%
3	Number of students from government school (schools under the project) pursuing higher education (at each level)	143197827	61%	40922196	29%	31%
4	Increase Youth vocational Skills & Employability	6548544	3%	58863168	899%	45%
5	Total	235929684	100%	130513326	55%	100%

If, we look at the objective wise return, objective 2 & 4 are providing immediate benefits leading to increase in income. The objective 4 contributes to maximum returns with minimum investment this is due to it being directly linked to employability.

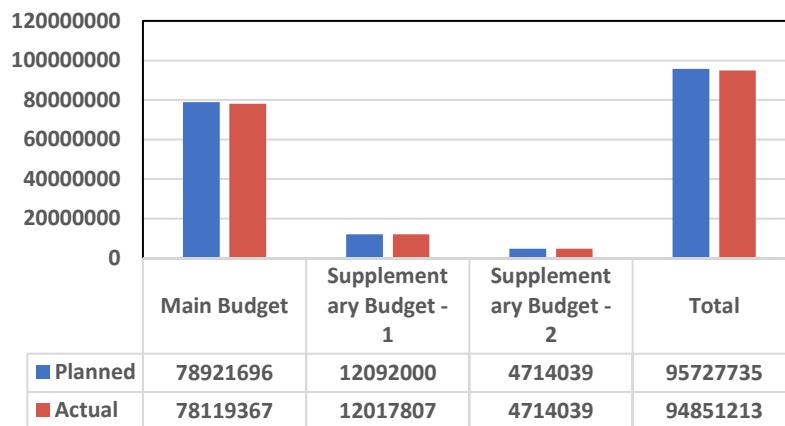


7.0 Budget Utilization

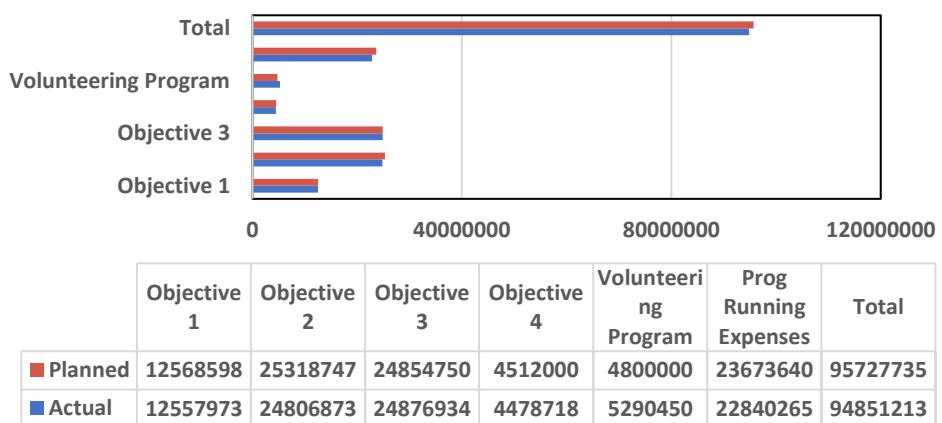
In the year 2019-20, the total approved budget was Rs. 9,57,27,735/-, out of which Rs. 7,89,21,696/- was the annual budget, Rs. 1,20,92,000/- was supplementary budget-1 and Rs. 47,14,039/- was supplementary budget-2. The total utilized amount is Rs. 9,48,51,213/- which is 99% of the total approved budget. The total amount spent is 82% of annual budget, 13% of supplementary-1 and 5% of supplementary-2. Looking to the spending, 13% amount is spent in objective 1, 26% in objective 2, 26% in objective 3, 5% in objective 4, 6% in volunteering program & 24% is the program running expenses.

Of the total utilized amount, 28% is used by Pune Rural, 11% by Pune Urban, 12% by Nagpur, 25% by Dewas, 9% by Sirhind, 3% by the Labournet and 11% by Bhopal - central coordinating office for the program.

Budget (Plan vs Actual) FY 2019-20



Budget Utilization (Plan vs Actual) FY 2019-20



Cost Proportion FY 2019-20

