

Vigyan Ashram Status Report

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Gubal Project completed

We have constructed 117 domes during Latur earthquake rehabilitation program in 1992 with the help of ADRA International. Dr.Horst Rolly who was leading the rehabilitation work in Gubal from first day of earthquake is still in touch with us and Gubal villagers. He visits Gubal village every year and comes to India from Germany. He also wrote a book on the earthquake rehabilitation. During the visit on the occasion to mark 20th years of earthquake, Dr.Rolly promised to paint all domes with new colours. He arranged for funds from ADRA but villagers wanted everything free and expectations were too high. They were not ready to contribute any amount or labour. Therefore the project was on hold for many years. A group of students from Adventist seminary offered to do the work on voluntary basis during their vacation. With their help, we have completed painting of 68 domes with available funds. Priority was given to below poverty line, senior citizens without children etc. Villagers done all scrubbing of the old paint and cleaning task, students applied paint. We have conducted two days orientation for students on painting. The painting was completed on 25th April.



Cyclonic winds and fire outbreak-

- i)** On 5th April, polyhouse paper damaged due to heavy cyclonic wind in VA. This is UV light stabilizing film for polyhouse cover is special and also requires specialised skill for fixing it. We got it repaired. Total expenses incurred were Rs.10692.00.
- ii)** On 25th April, dry fodder storage yard damaged due to fire outbreak. We lost around 30 % of dry fodder (Jawar kadaba). The losses were minimized with immediate and prompt action by all DBRT students' staff and 2 water tankers and JCB machine send quickly by villagers. The loss will be @ Rs.20,000/-. All this fodder was grown by students in our farm and therefore everyone got hurt. We are yet to find out the exact cause of this accident. Students also reported small fire of similar nature few days before but it was small and quickly brought to control.



Introduction to basic technology (IBT)

1. We are preparing for summer training of IBT instructors. We organized a meeting of senior instructors at Pabal on 7th April to understand training needs. We also discussed training method and selected few instructors for the training program in Dantewada.
2. Yogesh attended meeting regarding introducing vocational education in school under Rashtriya Madhyamik Shiksha Abiyan (RMSA) at Mantralaya on 9th April. We are trying to include IBT program to be included under RMSA scheme.
3. Arvali Tak school purchased IBT tools from Belgaum. Kailash helped them in procurement. They got support from one of our well wisher Mrs.Anita Dandekar.
4. Yogesh attended meeting @ Suzlon office on 10th April to discuss status of the IBT program in wind farm areas and support needed.
5. District administration of Dantewada sanctioned Rs.1.5las for each of the 17 schools to purchase tools for IBT program. Our field officers helped school authorities to purchase tools from Jagadapur.
6. Two intern from TISS , MA(Education) course joined VA for one month internship. Abhijit and Atima will assist as a documentation officer for training program at Dantewada.
7. Azim Premji University (APU) will be doing impact study of VA program i.e DBRT and IBT. A meeting with research team from APU was held at Pabal on 19th April. As a first step, we are sharing with them present documentation and they will do pilot interview in coming months.

8. Dantewada administration sanctioned proposal for training of Instructors during summer. Unicef sanctioned proposal for training and technical support for IBT program in Bijapur district. We have conducted interview for the post of IBT co-ordinator in CG and selected Mr.Rajshekhar Reddy. He will based in Bijapur.
9. Nanhe Parinde Cam for 4 days was held in Dantewada from 1st – 5th std. Activities such as photo frame making & food recipes were taken in this camp.
10. Training program was conducted at Pabal school on Akaash Tablets. Students were given training on using Akaash tablet for maintaining accounts.

DBRT (Supported by Asha for Education)

- i) BOPEEI team conducted training of 17 DBRT students on manufacturing of LED lights at Pabal on 8th April.
- ii) Information cum Training session was conducted on microfinance and loan for business on 22nd April. Team from Bee fund in Pune conducted the session.
- iii) Animal husbandry : Dairy Profit → Gauri cow Rs.4342/-, Soni cow Rs.892/-, Sonam cow is in operational loss of Rs.890/-. Total Dairy management surplus this month : Rs.2558/-.
- iv) We sold two goats (bokad) for Rs.6200/-. Insemination service : 4 nos.
- v) Skills on Wheel (SOW) project :
 - 7th April Ganesh Pingle visited Velha, area to identify opportunities of SOW project trainings in this area.
 - On 25th April, Ganesh conducted 1 day training on 'Karonda Pickle' in Pasali village Velha area as part of SOW training.
 - SHG members and field officer of Chaitnya NGO, Rajgurunager visited VA campus to study poultry egg incubator and business opportunities in it.
- vi) Mr.Chinchalkar (40 years) joined electric course of 3 months. He wanted to start his electric business in Satara.



Village Level Entrepreneur (VLE) training (IDM 2013 project) : To promote LED lights in MP and Chattisgarh

- i) One day marketing orientation of sales team was held at J.P Naik Center on 21st April. Mr.Shekhar Appa of CMS consultancy conducted the session and action for next was made.
- ii) VLE training was conducted for 24 trainees in Lepa (MP).

- iii) Makarand, Pawan, Ashish and Aniruddha attended 2nd DM Convening on 'Monitoring and evaluation' at Delhi from 23rd -25th April. The focus of the discussion on measuring intermediate outcome and impact of the project.
- iv) We installed first demo centre in CG at Gumergunda ashram near Geedam. There is Shiva temple in ashram and many devotees from the areas visit the place in large number.
- v) Marketing campaign in Barsur, Geedam, Dantewada, Bhairamgarh (CG), Bankhedi and Bangher (MP)



DST Core support project

1] Summary results of Aquaponics Project-

a) Plant height : Average height of plants was 298 Cm in aquaponics treatment as compare to 287 Cm in control treatment. No significant difference was found in T-test analysis of average plant height data in 2 treatments.

b) Number of flowers/buds per plant : Maximum number of flowers found in control treatment i.e 99 flowers / plant as compare to aquaponics i.e maximum 95 flowers / plant. No significant difference was found in T-test analysis of average plant height data in 2 treatments.

c) Number of shoots per plant : Aquaponics treatment showed more number of average shoots i.e 41 shoots / plant as compare to 35 shoots /plant in control treatment. Significant difference was recorded in average number of shoots / plant under T-test analysis.

d) It was found that aquaponics treatment beds produced more tomatoes expct bed number 6 in control treatment. The total yield was recorded 664.17 Kg (387.57 kg in aquaponics Vs 276.6 Kg in control) during 6 months cropping period. The average yield of aquaponics treatment was 55.37 Kg / bed as compare to 46.10 Kg / bed. Similarly average yield per plant was recorded 3.26 Kg in aquaponics as compare to 2.71 Kg in control treatment. This shows that there was 20 % increase of average tomatoes per plant in aquaponics treatment. T-test analyses of two treatments yield shows that - yield of aquaponics treatment is significantly higher that control treatment at 0.05 % level of significance.

2] Agriculture service provide "Little Master" multipurpose cultivar'

i) We have provided service of weeding, flat bed preparation etc to four farmers in Pabal. Following are the observations –

a) Cropping distance is less than machine width therefore difficult to carry out intercultural operations in Pabal area.

b) Farmers are not ready to compromise on their traditional requirement of crop cultivation.

c) There is demand for Groundnut threshing at this moment hence better we should have groundnut thresher attachment.



3] De-humidifier dryer trials and modifications:

Fabrication work of de-humidifier dryer is almost complete. We are conducting live trials with mango pulp and leafy vegetables to find out drying time, energy consumption etc. We are also preparing operating manual for dryer. The unit is developed in association with M/S SGS Wealth Creators Pvt. Ltd.

4] Praj Foundation projects:

- a) "Technology Incubation and entrepreneurship centre" proposal was finalised and sent for final approval to Praj foundation.
- b) Praj Exhibition- DBRT H & H students exhibited various food products on 19th April at Praj annual day function. Mrs.Sumedha Jalgaonkar is guiding us in preparing new recipe. Stickers for new products were designed and printed. It makes the product looks attractive.



5) FAB Lab and D-I-Y Lab activities

- a) Yogesh, Mrs Alpana V, Suhas attended annual review meeting of Rajiv Gandhi S& T commission. We gave presentation of progress made during the year 2013-14.
- b) Issues related to MTM snap machines were resolved. There are still some issues with hardware and it need replacement of part.
- c) 9 students attended fab camp. Three students from Pabal village are working on project on 'Traffic control system' and one from Pargaon are working on grass cutter. They are preparing this project for INSPIRE Award competition.
- d) LDR circuit installed at 'Dream house' and Water pump controller at kitchen.
- e) Ashwini, student of TISS is working on internship for 3 months. He will design a plan to promote D-I-Y lab.
- f) D-I-Y lab is used by students of City International and Khelghar regularly.

- 6) **STED proposal:** Yogesh gave presentation before STED proposal evaluation committee of DST at New Delhi on 3rd April. Yogesh also visited NSIT, New Delhi and discussed fab lab project with Dr.Gadre. Yogesh also visited office of Director General of Labour and Employment at New Delhi on 3rd to solve issues in online registration of Vigyan Ashram's Vocational Training Provider (VTP) registration.

Other tit-bit –

1. Yogesh attended mentor meet at S.P Jain Management Institute, Mumbai on 12th April. Ranjeet and Sachin both are pursuing course in NGO Management from SPJMIR.
2. Yogesh submitted online application form of SERO (Scientific & Industrial research organization) for IIE, Pune.
3. Rahul attended workshop on 'Public Trust act and compliances' on 25th April.
4. Staff matters: Following staff resigned this month. Mr.Prafull Dhandre (Job in public sector bank), Mahesh Lade (Job in NGO at home town), Mr.Anand Gosavi and Sonali Gosavi (To develop own agriculture). We put on record our appreciation for their services. We had conducted interviews for the vacant post.
5. 2 Students from Pabal admitted for basic accounting (Tally) course under INDUSA CARE project.
6. Weather record – rainfall of the month – 1.3mm ,Max temp- 35° C, Min Temp –30° C , Humidity – 35 % , Water height in well – 6.71Meter.
7. Energy consumption record- Electricity unit – III Phase -1060 units, I Phase -426 unit.
8. Diesel consumption for generator-
9. Biogas consumption – Dung used- 1834 Kg, Gas produced- 30 m³
10. Mr.Darshan Dixit has started a photography and fashion design institute 'Flashy Eye' at Central Mall, Vashi. Yogesh visited his institute on 12th April to know more about his activities.
11. Two wheeler – NA Km, petrol consumption :-

Data Report :

https://docs.google.com/spreadsheets/d/1YWioscOvEyZLOFn9IU6dV-1Fnm8lvi4IZ_VFaX8AnIE/edit?usp=sharing

(Work of VA is Supported by Asha for Education, INDUSA, Unicef, Govt of Chattisgarh, Lend-a-hand-India, Suzlon foundation, Wildlife conservation Trust, Dept of S&T, RGSTC, Praj foundation and many individuals and foundations)

Photo Gallery:



DBRT - Home & Health Students manufacturing different food products



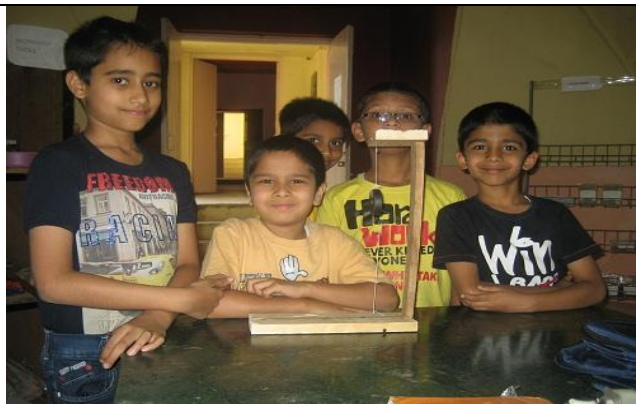
DBRT -Home & Health Students attended PRAJ Annual day exhibition with food products.



Water pump controller installed in VA campus—made in the Fab Lab



DBRT - Students written exam



DIY @ JPNC students with science project



Raw Karonda pickle training under SOW project @ Pasali Village (Velha Pune)

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