

# Vigyan Ashram Status Report

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## Electricity Bill issues and Rising cost

We have two electric meters in VA; one for single phase and another is for 3 phase supply. Single phase is available for most of the time. It is necessary for us to use 3Phase supply whenever it is available. We changed over to Single Phase supply when 3 phase is not available. But many time we failed to switch it again to the three phase. This result is excessive use of single phase supply. We have exceeded the normal limit and went into highest per unit slab of Rs.10+ per unit. Whereas in 3 phase supply, we consumed less unit. The table will show you our monthly consumption and amount paid.

Single Phase			Three Phase Supply		
Date	unit	amount	Date	Unit consumed	Amount
04-04-2013	35	210	29-04-2013	435	2340
30-06-2013	468	150	26-05-2013	584	3040
18-07-2013	52	24200	29-05-2013	458	2270
30-07-2013	106	9640	20-06-2013	1359	7390
27-08-2013	52	90		584	11530
15-11-2013	51	770	26-09-2013	1073	7400
03-01-2014	493	33710	22-11-2013	646	12020
05-03-2014	617	30650	31-12-2013	345	2560
02-04-2014	1326	14480	22-01-2014	716	4920
		113900	05-02-2014	687	3920
			14-03-2014	633	3520
			<b>TOTAL</b>		<b>60910</b>



Alarm for changing switch to 3 phase connection.

Electricity board person rarely visits VA to take reading. He kept on giving us meter bill by average consumption. This leads to very less bill in some month than actual consumption. We got very high bill in some months. This also put us in higher electricity consumption slab in some month. We lodged complaint with MSEB and ask for taking our regular meter reading and correct bills with actual consumption. Without attending our complaint, MSEB disconnected our connection as a defaulter on 4<sup>th</sup> March. We took the matter at higher level and then the issue was resolved on 6<sup>th</sup> March. They promised timely recording of meter reading and bill as per the reading.

Now to strictly monitor, changing over of the switch from Single phase to three phase supply, we have developed a small circuit and buzzer. This buzzer gives loud buzzer when three phase supply is available to attract attention of everyone in ashram. This helps us to immediately changeover the switch.

Vigyan Ashram's electricity cost now reached upto Rs.15000 per month. Due to availability of single phase, use of diesel generator has almost stopped.

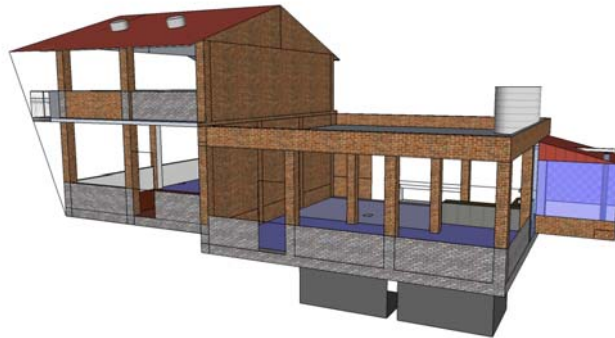
### **Rural Technology course through NIOS Virtual Open School**

Yogesh attended meeting at NIOS Head office, New Delhi on 12<sup>th</sup> March to develop content for launching 'Rural Technology' course through virtual open school (VOS). We have demonstrated content developed so far especially on [www.learningwhiledoing.in](http://www.learningwhiledoing.in). It is decided that VA will submit proposal to prepare content for VOS. It will be joint project with NIOS. VA will develop content in workshop mode. We expect the course will be launched from July 2014.

Yogesh also visited Director (vocational) of CBSE board to discuss IBT program in CBSE school. He also visited DST office, Center for Technology Development (CTD) during his stay in Delhi.

### **Management committee meeting**

VA-MC meeting was held on 22<sup>nd</sup> March at Pabal. We have discussed proposal for 2<sup>nd</sup> phase of core support, STED & Praj entrepreneurship development proposal etc. Design for reconstructing the kitchen is finalized. We expect the work will start from 25<sup>th</sup> June. Meeting was attended by Amma, Mr.Vijay Kumar, Mr.Ashok Kalbag, Mr.Sunil Kulkarni and VA team.



**Proposed Kitchen**

### **DBRT (Supported by Asha for Education) - DBRT community Services activities**

Community services are important part of DBRT. Students are always taking outside work order on contract. Following important work orders completed this month :-

- i) Made door for shed : Client : Mr.Bhushan Shah
- ii) Fabricating windows : Mr.Waghule
- iii) Roller for Fulgaon high school
- iv) Welding repair work : Matimand school, Pabal
- v) Fixing sheet on shop of Mr.Shambhudas



2] Food processing : Banana wafers :10kg (from 60kg raw banana), Tomato sauce:10kg (from 45kg tomato), Bhaji redimix : 3kg, Emali candy : 2kg, Til-Jawas nan katai : 1 kg, chikki : 2kg

Food lab sale : Rs.8130/-

3] Agriculture & Animal Husbandry: Students installed drip irrigation and mulching paper system on 0.5 Acre land of Shri.Ganesh Jadhav. Net income of dairy section of 3 cows is only Rs.157/- this month.

### **Introduction to basic technology (IBT)**

1. Vishal attended review meeting of Suzlon supported schools at Chaddwel korde (Nandurbar Dist.) on 13<sup>th</sup> March. Meeting was held at Suzlon office in chaddwel.

2. Vishal also visited IBT schools in Nandurbar district and help them in preparation for 10<sup>th</sup> std examination.
3. Yogesh participated in panel discussion at MCCIA in 'Summit on skill development' on 4<sup>th</sup> March. The conference was organized by Yuva Parivartan.
4. Manchihill school installed 'LDR (Light dependent resistance 'unit) on four street light. This make tube lights to operate depending on intensity of sunlight.
5. IBT Gurukul school, Devalapar (Nimtola) exhibited IBT project in Tribal Education conference held on 8 & 9<sup>th</sup> March.
6. Submitted forms for IBT recognition to Directorate of vocational Education & training (DVET) for schools accreditation :- Swami Vivekanand School, Devalapar & Navjivan High School, Patharai, Velha, vadgaon, Pethbande.
7. Yogesh attended meeting regarding introducing vocational education in school under Rashtriya Madhyamik Shiksha Abiyan (RMSA) at Mantralaya on 9<sup>th</sup> March. We are trying for IBT program to be included under RMSA scheme.
8. IBT exam was conducted in all IBT schools in Chattisgarh. We designed the question paper for each class from VI–IX std.



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

- i) World Bank project has a provision to appoint a business consultant. They have selected a panel of consultant and M/S CMS group is one of them. We had meeting with Mr. Nitin Rao (CEO) of CMS Mr. Raghu Pune on 19th March 2014. Considering their experience in selling similar products and familiarity with M.P and C.G, we have decided to hire their services.
- ii) Sale in MP started picking up. Sale in Kathiwada (MP) in March is 150 units.
- iii) Number of VLEs trained this month's are : 14 (MP)
- iv) Marketing campaign in Bhairamgarh, Geedam, Kathiwada, Bijapur, Nukulnar, zinjana, Sorava, Amkhut, Golamba, Chandpur, Fulmal, Andharkanch



**DST Core support project**

- i) Mr. Yagyavalk Bhatt of Himalayan Environment Studies and Conservation Organization (HESCO) visited VA from 25<sup>th</sup> – 28<sup>th</sup> March. HESCO is DST core support organisation and objective of visit was to study technologies and educational program of VA.

ii) Aquaponics Project-

Tomato trail concluded on 31<sup>st</sup> March. We have total tomato yield of 501 Kg (281.4 for Aquaponics and 220 Kg for control treatment). With these results so far we are getting around 28 % more yield in aquaponics treatment. We have done statistical analysis and it is concluded that Aquaponic treatment is significantly different than control plot at 0.05% significance level.

Due to increase in atmospheric temperature (38°C +), temperature inside polyhouse increased rapidly (40 C) with reduced humidity (35%). This leads to increased mite pest and fungal diseases attack. For controlling this we are trying to keep day temperature around 35° C with 30 % humidity using foggers.

iii) **Students Project** : We are giving projects to graduate and post graduate students of various colleges. Following projects are in progress :-

a) Rice hand pounding/ de-husking machine – Dapoli agri university student Ms Poonam is working on this project. Machine fabrication work completed as per feedback from Chaitanya NGO. After initial trials at VA, machine was shifted to Chaitanya’s office at Rajgurunager.



b) Small tiffin solar cooker – Dapoli agri university student Ms Jidnyasa is working on developing new model for solar cooker cum tiffin box. She also tried various other models.

c) “LittleMaster” multipurpose cultivator : Mr.Aditya Jain of S.P.JAIN Management Institute is working on preparation of business model for Chudelkar agro industries “little master” multi-cultivator. We have engaged local youth Mr.Machindra Pingle to use the cultivator as a business and provide service to farmers around Pabal village. They had completed first order Basin preparation ( AaLo krNao ) for 450 custard apple plants at Khairenagar. Aditya has interviewed around 50 farmers in Pabal village to assess demand for such agri services.

Farmer’s demonstration training – On 12<sup>th</sup> March, “Little Master “field- demonstration training was conducted for Pabal-Kairenager farmers. Mr.Chudekar & Shah demonstrated operations of multi cultivator machine with different tools attachment. 18 farmers from nearby area attended this training.



d) VA technology broacher: Ms.Shreeya Jha of S.P Jain Management Institute is working on Preparation of technology portfolio for VA. She is also working on developing implementation plan for ‘Entrepreneurship development center’ at VA.



- iv) Dryer trials and modifications – Fabrication work of new de-humidifier dryer is in progress. So drying chamber box work, piping work of compressor and air circulation system work is completed.
- v) We have submitted proposal on “Technology Incubation cum Entrepreneur Development Centre” to Praj Foundation. We had a meeting with Mr.Vinayak Kelkar on 21st March to discuss the proposal in details.
- vi) Skill on wheel project - A meeting was held on 11<sup>th</sup> March with Chaitanya for dairy farming training & implementation strategy.
- vii) Ranjeet attended Climate change knowledge Network- for Indian Agriculture (CCKN-IA) workshop on 14th March @ BAIF.

**viii) FAB Lab and D-I-Y Lab activities**

- a) 12 students attended FAB Camp for vinyl cutting at ashram.
- b) 16 students are regularly attending camp at D-I-Y Lab.
- c) JPNC agriculture : Brinjal (3.43Kg), Tomato (2.2kg), Radish (4.2kg), chilli(0.2kg)
- d) Fab Academy classes are regularly attended by all 4 candidates from JPNC.
- e) Yogesh visited Rajiv Gandhi S&T commission, Mumbai on 9<sup>th</sup> March.

**Other tit-bit –**

1. Mr.Rahul Jagtap and Mrs.Anita Jangam attended ‘NGO accounting workshop’ organized at 1<sup>st</sup> & 2<sup>nd</sup> March at IIE. This workshop was organized by Sevawardhini.
2. Yogesh had a meeting with Mr.Babu Abraham for Gubal painting project. It is decided to complete the project with the help of Adventist seminary students. A visit is planned to Gubal on 6<sup>th</sup> April.
3. Yogesh gave a talk on ‘Education for third Industrial revolution’ on 28<sup>th</sup> March in a lecture series organized by ‘Samajawadi Adhyapak Sabha’ at Sane Guruji Smarak, Pune.
4. Weather record – rainfall of the month – 2.8mm ,Max temp- 32° C, Min Temp –24°C , Humidity – 42 % , Water height in well – 6.64Meter.
5. Energy consumption record- Electricity unit – III Phase -723 units, I Phase -457 unit.
6. Diesel consumption for generator-
7. Biogas consumption – Dung used- 2185 Kg, Gas produced- 28.0 m<sup>3</sup> . ,
8. Two wheeler – NA Km, petrol consumption :-
9. Important Visitors to VA : Mr.Purnachandra Rao (NICE– Needy illiterate Children Education, Hyderabad), Mrs.Sunanda Rajendra Powar (Agriculture Development Trust , Baramati), Ms Ashlesha, Reinder Van Tijen (Deepghrih society / Demotech)
10. Total visitors to [www.vigyanashram.com](http://www.vigyanashram.com) – 1551 , [www.dsttara.in](http://www.dsttara.in) : 207,  
You tube videos on [www.learningwhiledoing.in](http://www.learningwhiledoing.in) : Total Visits: 1037
11. Donor: We are thankful to Mr.Suryaprakash Lonkar for their support to VA.

**Data Report :**

[https://docs.google.com/spreadsheets/d/1HKfEuiJFOHKpDwsJR8r7-omnc\\_5oVef89gHETXAQNjY/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1HKfEuiJFOHKpDwsJR8r7-omnc_5oVef89gHETXAQNjY/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 workshop students - making dome kit using press.



Dr.Kakodkar visited IBT stall at Khiroda High school on 4th Feb.



High school students in Fab-Camp Vinyl cutting training.



Tomato processing in food processing unit.



IBT Shanimandal (Nandurbar district) Girls school – Workshop section activity



Yogesh with Mr.Bhai Vaidya at Sane Guruji smarak

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