Vigyan Ashram Status Report
Volume 25 Issue 1 January 2007

In this issue...

- Beginning of Silver Jubilee year of Vigyan ashram
- Life skill training program under Sarva shiksha Abhiyan
- Screening of Documentary at various places
- Launch of Gubal project

Vigyan Ashram enters into Silver Jubilee year
Dr. Kalbag started Vigyan Ashram on 1st Jan 1983 on this barren hill at Pabal.

We completed 24 years on 1st Jan 07 and this is our Silver Jubilee year. On this occasion, We would like to congratulate our supporters, students, funding agencies, Indian Institute Of Education for their support. We are planning following programs to celebrate our silver jubilee.

1) Association of our alumni and their get together
2) Release of book on articles written by Dr. Kalbag
3) We are also targeting to 100 schools in our IBT network.

Life skill training program under SSA
Sangali, Kolhapur and Pune Zilla Parishad decided to implement our program in five schools each for 5th – 7th std. We conducted following training program for their instructors.

1) Training for five Schools in Sangli Dist. at Palus on 3rd and 4th Jan. {20 instructors, 5 teachers, 5 Principal }
2) Training for five schools in Kolhapur Dist. at Dewale on 11th and 12th Jan. { 20 instructors, 5 teachers, 5 Principal }
3) Training for five schools in Chakan Dist. Pune at Chakan on 19th and 20th Jan { 20 instructors, 5 teachers, 5 Principal }

We also conducted training program for 171 schools at the request of Kolhapur Z.P On 22nd & 23rd Jan.

**Screening of documentary**
Mr. Sameer Shipurkar organized screening of new documentary on ‘Vigyan Ashram’ at various places.
1) 6th Jan : All staff at Directorate of vocational education, Mumbai
2) 19th Jan : Bhartiya Vidya Bhavan – Dr. Kalpande, Dr. Bedge, Dr. Ram Takwale various NGO heads, school principal and Govt. officials were present.
3) 13th Jan : Aurangabad – Sarswati bhuvan prashala, Maratha Mitra Mandal schools.
4) 20th Jan : Asha Group at NCL, Pune

Times of India, Loksatta gave coverage on release of documentary.

**ASHA co-ordinator & IBT Plan 100 progress:**
Following schools were visited for monitoring and followup.
Ankush : Pachgaon (8th Jan), Vikramgad (18th Jan), Dhamari (16th Jan)
Omkar : Mod and Daryapur
Jyoti : Shindavane
Vishal : Asade, Bhivadi, Pachgaon, Vikramgad, Shivkar, Dhamari
Ram : Nhavara
2) A IBT manual for new schools is made and send for printing.
4) Under bridge loan fund constituted by Lend-a-hand-india, equipments for Sunder were purchased on 4th Jan. Mr. Inamdar visited Amaravati on 8th and 9th Jan to start Sunder’s workshop.

**Opening of Gubal computer Center:**
A computer center is started in Gubal village (Dist. Latur) under funding from ADRA. Dr. Horst Rolly and Yogesh Kulkarni inaugurated the center on 7th Jan. Layak Shaikh who undertook training for year at ashram is transferred to Gubal. This computer center will provide educational, agricultural services to villagers.

**Nomadic Education / Shiksha:**
- Jyoti conducted computer based class in Ambernath from 4th Jan – 14th Jan.
- We gave advertisement in Loksatta and Indian Express for the post of ‘Shiksha co-ordinator’ on 29th Jan. We conducted interview on 30th and 31st Jan.
DBRT Activities:

Workshop:
1) Our instructor Ram, worked in furniture workshop in bhosari for 15 days to learn fabrication of cupboards.
2) Vafgaon school gave contract to repair their benches and fabricate cycle stand.
3) Plastering of poultry shed is in progress. We are converting it into training hall.

Electrical:
1) Biogas reading:

<table>
<thead>
<tr>
<th></th>
<th>Total gas</th>
<th>Feed</th>
<th>Qty</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biogas 1</td>
<td>27 m³</td>
<td>Gober</td>
<td>750 kg</td>
<td>Rs.375/-</td>
</tr>
<tr>
<td>Biogas 2</td>
<td>89.1 m³</td>
<td>Gober + cake</td>
<td>300 + 180 Kg</td>
<td>Rs.1065/-</td>
</tr>
</tbody>
</table>

Agriculture:
- Project in progress: - Construction of Polyhouse, Taking Ghass (Vilayati Gavat), Jawar (10 guntha),
- Goat No.4 delivered one he goat.

Home & Health:
- Sold 5kg Nan Katai, Chikki: 3kg, Tea: 60 cups, Lemon Sarbat: 40 glass, Lemon pickle: 2 Kg. Profit earned by students: Rs.160/-

FAB LAB:
- All DBRT students learned manufacturing of LED lamps
- Sunil visited Melghat from 2nd Jan – 8th Jan for installation of LED lamp.
- Made documentation of different LED design.
- DBRT student Mahesh, made name plates worth Rs.800/- on Vinyl cutting machine using radium.
- Plasma started functioning. There are few issues remaining like controlling the power. It will need some more time to cut the metal on plasma.

Other Tidbits:
1) M/S Aar-Em Electronics Pvt.Ltd. donated Three wheeler bicycle to ashram.
2) Mr. Phatak donated model of petrol engine to ashram.
3) Yogesh visited Thrive, Hyderabad on 8th Jan to discuss LED project. He also visited ‘Reddies foundation’ to learn more about heir program.
4) Marattha Chamber of Commerce organized visit of 30 village information center to ashram on 18th Jan.
5) A proposal on ‘Market linked agricultural practices’ was made for Khed – shivapur center of IIE for ‘Development market place’ competition. Another
A proposal idea on ‘Monowheel Genset’ was submitted through ‘Prakruti’ in Mumbai.

6) On 26th Jan, republic day was celebrated with enthusiasm. Students and staff performed various cultural program after the flag hosting. In the afternoon various games competition were organized.

7) On 25th Jan, all ashramites did ‘Shramdaan’ and dig 2000 ft. contours on ashram hill.

8) Temperature Max 31, Min 8, Humidity: Max 96%, Min 53% Rainfall: 00mm, Total rainfall: 1030.61mm, water level: 6.3mtr

LSP Status: Pabal AC:
Lease down Time: 5 Hours
Total internet usage: 347: 44:07
Total Internet Bill: 686.32 /-
Total connections: Kiosks – 15 Pvt. Connection 18
Total Collection: 1964.20
New Installations: 0 New registrations: 0
Generator use: 10 Hrs 0 minuts
Diesel Used: IAP 05, liters. Lsp 10 Agri 21 liter
MSEB Meter Reading: Total 438 units (28543-28981)
Bicy meter Reading: Total 44 km IAP (8541-8585)

Data Pages:

Dairy:

<table>
<thead>
<tr>
<th>Name</th>
<th>Milk(lit)</th>
<th>Amount</th>
<th>Fodder (Rs)</th>
<th>Feed (Rs)</th>
<th>Expenses</th>
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<td>6045.6</td>
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<tr>
<td>Sonam</td>
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<td>1200</td>
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## Distribution

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<td>Dairy</td>
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## Feed Stock: in Kg

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<td>30</td>
<td>95</td>
<td>20</td>
</tr>
<tr>
<td>Bhusa</td>
<td>100</td>
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<tr>
<td>Pend</td>
<td>18</td>
<td>96</td>
<td>95</td>
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## Dairy Expenses:

<table>
<thead>
<tr>
<th>Name</th>
<th>Sugrass</th>
<th>Amount</th>
<th>Paind</th>
<th>Amount</th>
<th>Subabhul maka+kadval</th>
<th>Amount</th>
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## Goat Expenses:

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<th>3</th>
<th>4*</th>
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<th>7</th>
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<td>Bokad No</td>
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<td>1</td>
<td>2</td>
<td>3</td>
<td></td>
<td>5</td>
<td>6</td>
<td>7</td>
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Agriculture:

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<th>Area</th>
<th>Crop yield</th>
<th>Amount</th>
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<tbody>
<tr>
<td>1</td>
<td>Maka</td>
<td>13/12/06</td>
<td>10 Guntha</td>
<td>Feb End</td>
<td></td>
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<tr>
<td>2</td>
<td>Jawar</td>
<td>24/1/07</td>
<td>10 Guntha</td>
<td>March end</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Beet</td>
<td>25/1/07</td>
<td>300 sq ft</td>
<td>April end</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Ghass</td>
<td>25/1/07</td>
<td>600 Sq ft</td>
<td>April end</td>
<td></td>
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Engineering:

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<th>Material</th>
<th>Labour</th>
<th>Total</th>
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<tr>
<td>1</td>
<td>Vafgaon bench repair</td>
<td>Pvt</td>
<td></td>
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<td>2400</td>
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<td>2</td>
<td>Hostel no.1 repair</td>
<td>VA</td>
<td>681</td>
<td>170</td>
<td>851</td>
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<tr>
<td>3</td>
<td>Making stool</td>
<td>VA</td>
<td>51.44</td>
<td>7.17</td>
<td>5915</td>
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<td>Room no.2 repair</td>
<td>VA</td>
<td>668</td>
<td>60</td>
<td>728</td>
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<tr>
<td>5</td>
<td>Bench repair</td>
<td>VA</td>
<td>100</td>
<td>25</td>
<td>125</td>
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<td>6</td>
<td>Poultry plaster</td>
<td>VA</td>
<td>9050</td>
<td></td>
<td>9050</td>
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<td>7</td>
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<td>VA</td>
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<td></td>
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## Energy – Environment :

<table>
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<th>Sr.No</th>
<th>Details</th>
<th>Material</th>
<th>Labour</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fixing tubes at 3 places</td>
<td>750</td>
<td>300</td>
<td>900</td>
</tr>
<tr>
<td>2</td>
<td>Earthing</td>
<td>40</td>
<td>90</td>
<td>130</td>
</tr>
<tr>
<td>3</td>
<td>Hostel wiring repair</td>
<td></td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>4</td>
<td>Fab lab main switch fixing</td>
<td>400</td>
<td>50</td>
<td>450</td>
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<tr>
<td>5</td>
<td>Engine repair</td>
<td></td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>6</td>
<td>Mixer repair</td>
<td></td>
<td></td>
<td>50</td>
</tr>
<tr>
<td>7</td>
<td>1phase motor winding</td>
<td>300</td>
<td>150</td>
<td>450</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>2040</strong></td>
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</tbody>
</table>

### Photo Gallery:

- **Sunder’s fabricators**
- **ADRA-Vigyan ashram computer center in Gubal village**
Bicycle Trip to Rahuri
All DBRT students along with 4 instructors went for bicycle trip. They covered 310kms distance from 11th – 13th Feb. They visited Ralegaon-siddhi, Shani Shinganapur and Rahuri university. From the reports, they enjoyed the picnic and got many memorial experiences.

DBRT Projects and Contracts:
Students projects and contracts are at peak. Following projects are completed or in progress in ashram.
1. Cycle stand and school gate for Vafgaon high school was completed and installed at school.
2. We were conducting poultry training using broiler chicks. Due to contract farming its marketing on individual level become difficult. Hence we decided
to use Rhode-land- Red { RIR } breed in our poultry course. Though there weight gain is less compared to broiler. They are more economical on small scale due to less feed cost, medicine. We can get additional income by selling eggs. Total 125 birds purchased on 7th Feb 2007.

3. New training hall plastering work, construction of toilet block is in progress.

4. A die for making ‘Smokeless chulha’ is made as a student’s project.

5. Students sold food products in Pabal Yatra on 1st Feb.

ASHA co-ordinator & IBT Plan 100 progress:

1. Manchi hill school equipment’s were purchased on 13th Feb. Asade school equipment’s were purchased on 22nd Feb.

2. Yogesh and Abkush visited Dhamari school on 13rd Feb and 20th Feb to sort out the accounting issues and instructors problems. Two instructors in Dhamari school resigned and two new instructors are appointed. Both of them completed their DBRT course.

3. A manual on ‘IBT program implementation’ is printed. It is in marathi.

4. Dr, Shibad from Pune shown interest in starting IBT center in her plot near Pune. Yogesh visited her place and had discussion on various points.

5. Following schools visited ashram to understand IBT program:
   a) TISS group (Navchetana) : 11th – 12th Feb
   b) ‘Aim for Seva’ from M.P visited ashram 10th – 13th Feb

6. Following schools were visited for monitoring and followup. Ankush : Bhivadi (2nd Feb), Asade (9th Feb, 22nd Feb), Pachgaon (5th Feb), Dhamari (13, 20, 27 Feb)
   Omkar : Mod (7th & 8th Feb), Daryapur (9th Feb)
   Jyoti : Salumbre (2nd Feb), Mukhai (22nd Feb)
   Vishal : Asade, Bhivadi(17th, 23rd Feb), Pachgaon(19th and 20th ), Vikramgad (3rd Feb), Shivkar (2nd Feb), Dhamari (6th Feb)

7) Nimbalkar visited SSC board on 2nd, 3rd, 26th and 27th Feb. for IBT book work. 9th std book is in proof reading stage and 10th std book details are submitted for DTP.

8) Yogesh along with Mr Kiran Inamdar visited BITS-Pilani on 8th Feb. Purpose of visit is to start IBT program in Govt school in village Rayala near Pilani. BITS alumni association supports this school. We found the school is only till 7th std and they will start 8th std from next year. No students in the school is also less. Since IBT is mainly from 8th –10th std. We suggested them to look for alternative school.
INDUS / SSA Progress:
Omkar visited five schools in Amaravati Dist from 9th – 12th Feb. The program is running smoothly and instructors are organizing the activities independently. A camp was organized in Kholapur school on 14th Feb. District project director visited the camp and shown interest in extending the program to 40 school next year.
Gavadewadi school started manufacturing chalk and Dhoop and supplying to nearby schools.

Nomadic Education / Shiksha:
- 1st syllabus of Yamagarwadi and Ambernath kids were completed.
- Jyoti visited Yamagarwadi from 5th – 18th Feb
- Vishal Sabnis joined on shiksha project from 5th Feb. He spent most of the time in Pabal, Dhamari and Salumbre school understanding the project.

Electrical:
1) Biogas reading:

<table>
<thead>
<tr>
<th></th>
<th>Total gas</th>
<th>Feed</th>
<th>Qty</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Biogas 1</td>
<td>30 m³</td>
<td>Gober</td>
<td>300 kg</td>
<td>Rs.150/-</td>
</tr>
<tr>
<td>Biogas 2</td>
<td>79 m³</td>
<td>Gober + cake</td>
<td>750kg+ 180Kg</td>
<td>Rs.915/-</td>
</tr>
</tbody>
</table>

2) Charcoal Project: Total 21kg charcoal is made from biomass. It is found that 5 hrs of manual labour is required to convert 8kg of biomass into 3.1kg of charcoal.

FAB LAB:
1. Hearing aid circuit is complete. Trails are on.
2. Charging circuit to charge 6V batteries on 230V AC supply is made.
3. LED light circuit on 230V AC is finalized. We are replacing night lamps in ashram rooms with 2Watt LED bulbs.
4. Work on Automatic Electric alarm for ashram is in progress.
5. Mr Nilesh Gugane joined VA as mechanical engineer. He is working on project to reduce cost of low rpm DC generator. This will help in various projects like small wind mill, pedal power and other application.

Other Tidbits:
1) Mr. Apte, CA IIE visited ashram on 4th Feb for conducting accounting audit.
2) DBRT students visited National Research center for onion at Rajgurunagar on 27th Feb.
3) Jnana Prabodhini competitive examination center students visited ashram on 16th Feb.
4) Ram Choughule went to Kolhapur
from 21st – 25th Feb to get the training on fabrication of cupboards and furniture.

5) Food lab : Sale : 3kg Nan Katai, Chikki : 7kg, Lemon Sarbat : 130 glass, Roasted ground nut : 1kg, Urine pregnancy Test : 1 no.

6) Water testing : 2 places : Phutanewadi & Pargaon : Rs.700/- . From 1st Feb water testing rates are revised. New rates are :
   One fix point : Rs.300, For locating point : Rs.150/- per hr , For testing water in old well : Rs.500/-

7) Temperature Max 33 , Min 13, Humidity : Max 91% , Min 53% Rainfall : 00mm, Total rainfall : 1030.61mm, water level : 7 mtr.

8) We steup RF connector to our TV and configure it for new DVD player. Now we are able show VCD and DVD on our TV.

**LSP Status : Pabal AC :**

<table>
<thead>
<tr>
<th>Lease down Time</th>
<th>3 days</th>
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<tbody>
<tr>
<td>Total internet usage</td>
<td>NA</td>
</tr>
<tr>
<td>Total Internet Bill</td>
<td>NA</td>
</tr>
<tr>
<td>Total connections</td>
<td>Kiosks – 15 Pvt. Connection 18</td>
</tr>
<tr>
<td>Total Collection</td>
<td>1965.58</td>
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<tr>
<td>New Installations</td>
<td>0</td>
</tr>
<tr>
<td>New registrations</td>
<td>0</td>
</tr>
<tr>
<td>Generator use</td>
<td>5 Hrs 0 minuts</td>
</tr>
<tr>
<td>Diesel Used</td>
<td>Agri 17 liter, MB – 2lit,</td>
</tr>
<tr>
<td>MSEB Meter Reading</td>
<td>Total 417 units ( 28981-29398)</td>
</tr>
<tr>
<td>Bicy meter Reading</td>
<td>Total 699 km (8541-8585 ) { Agri – 98, WRD – 12, IAP – 589 }</td>
</tr>
</tbody>
</table>

**Data Pages:**

**Dairy :**

<table>
<thead>
<tr>
<th>Name</th>
<th>Milk(lit)</th>
<th>Amount</th>
<th>Fodder (Rs)</th>
<th>Feed (Rs)</th>
<th>Expenses</th>
</tr>
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<tbody>
<tr>
<td>Gauri</td>
<td>490.2</td>
<td>600</td>
<td>585</td>
<td>1545</td>
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**Distribution :**

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<th>Milk (lit)</th>
<th>Amount (Rs)</th>
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<tbody>
<tr>
<td>Kitchen</td>
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### Feed Stock: in Kg

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<th>Item</th>
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<th>Use</th>
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<tr>
<td>Sugrass</td>
<td>20</td>
<td>100</td>
<td>95</td>
<td>25</td>
</tr>
<tr>
<td>Bhusa</td>
<td>160</td>
<td>130</td>
<td>40</td>
<td>250</td>
</tr>
<tr>
<td>Pend</td>
<td>19</td>
<td>96</td>
<td>95</td>
<td>20</td>
</tr>
</tbody>
</table>

### Dairy Expenses:

<table>
<thead>
<tr>
<th>Name</th>
<th>Sugrass</th>
<th>Amount</th>
<th>Paind</th>
<th>Amount</th>
<th>Subabhu maka+kadval</th>
<th>Amount</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gauri</td>
<td>45</td>
<td>360</td>
<td>45</td>
<td>585</td>
<td>750</td>
<td>600</td>
<td>1545</td>
</tr>
<tr>
<td>Soni</td>
<td>30</td>
<td>240</td>
<td>30</td>
<td>390</td>
<td>750</td>
<td>600</td>
<td>1230</td>
</tr>
<tr>
<td>Sonam</td>
<td>20</td>
<td>160</td>
<td>20</td>
<td>260</td>
<td>350</td>
<td>280</td>
<td>700</td>
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<td>Total</td>
<td>95</td>
<td>760</td>
<td>95</td>
<td>1235</td>
<td>1850</td>
<td>1480</td>
<td>3475</td>
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### Goat Expenses:

<table>
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<th>Expenses</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
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<td>33</td>
<td>33</td>
<td>33</td>
<td>33</td>
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### Agriculture:

<table>
<thead>
<tr>
<th>Sr.No</th>
<th>Crop</th>
<th>Dt of plantation</th>
<th>Area</th>
<th>Crop yield</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Maka</td>
<td>13/12/06</td>
<td>10 Guntha</td>
<td>3500kg</td>
<td>2800</td>
</tr>
<tr>
<td>2</td>
<td>Jawar</td>
<td>24/1/07</td>
<td>10 Guntha</td>
<td>300kg</td>
<td>2400</td>
</tr>
<tr>
<td>3</td>
<td>Beet</td>
<td>25/1/07</td>
<td>300 sq ft</td>
<td>April end</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Ghass</td>
<td>25/1/07</td>
<td>600 Sq ft</td>
<td>April end</td>
<td></td>
</tr>
</tbody>
</table>

### Engineering:

<table>
<thead>
<tr>
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<th>Client</th>
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<tbody>
<tr>
<td>1</td>
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<td>Pvt</td>
<td>4208</td>
<td>1262.4</td>
<td>5470.4</td>
</tr>
<tr>
<td>2</td>
<td>Poultry coba level</td>
<td>VA</td>
<td>800</td>
<td>800</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>soak pit</td>
<td>VA</td>
<td>500</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Cement block</td>
<td>VA</td>
<td>222nos</td>
<td>222</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Poultry plaster</td>
<td>VA</td>
<td>9050</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Making stuhl</td>
<td>VA</td>
<td>51.44</td>
<td>7.71</td>
<td>59.15</td>
</tr>
<tr>
<td>7</td>
<td>Chuhla making</td>
<td>VA</td>
<td>93</td>
<td>27.9</td>
<td>120.9</td>
</tr>
<tr>
<td>8</td>
<td>Plywood on cot</td>
<td>VA</td>
<td>900</td>
<td>270</td>
<td>1170</td>
</tr>
<tr>
<td>9</td>
<td>Screen painting</td>
<td>VA</td>
<td>120</td>
<td>36</td>
<td>156</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>17548.45</td>
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Energy – Environment :

<table>
<thead>
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<th>Details</th>
<th>Material</th>
<th>Labour</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Soak pit</td>
<td>15</td>
<td>15</td>
<td>30</td>
</tr>
<tr>
<td>2</td>
<td>CFL in gotha</td>
<td>145</td>
<td>5</td>
<td>150</td>
</tr>
<tr>
<td>3</td>
<td>Guest CFL 18w</td>
<td>145</td>
<td>5</td>
<td>150</td>
</tr>
<tr>
<td>4</td>
<td>Poultry fitting 3</td>
<td>200</td>
<td>90</td>
<td>290</td>
</tr>
<tr>
<td>5</td>
<td>Floor mill</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Hostel light repair</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>680</strong></td>
</tr>
</tbody>
</table>

Photo Gallery:

Dumpy level practical in shivkar school

Community service : Vikramgad high school

Electrical fitting done by students in Pachgaon school.

News paper stand by Bhivadi students
INDUS Project review meeting
MPSP organised progress review meeting of all Education officers and NGOs involved in INDUS project on 16th March at Mumbai. Mr. Kawade (Director-MPSP) and Mr. Abhyankar (Quality control cell-MPSP) were present. Yogesh and Omkar gave presentation on various activities carried out under the project. Mr. Khobragade (EO-Amaravati) expressed their satisfaction on the activities conducted under the program and its results. Based on this review, Mr. Kawade directed other districts to adopt Vigyan ashram program for 5th – 7th std in other INDUS project district.

Brain storming meeting on IBT project on 18th
A brain storming meeting on implementation of IBT program was held in Pune on 18th March. Relevance of IBT in changing scenario, its scope, thrust area’s, future trends and limitation were discussed. Mr. Vijay Kumar, Mr. Sunil Kulkarni, Mr. Ashok Kalbag, Mr. Sameer Shipurkar, Yogesh Kulkarni attended the meeting. Mr. Sangram Gaikwad also joined the meeting through tele-conferencing.

Staff training Program at Kadus
A team building and motivational workshop for all Vigyan ashram staff was organised on 5th March at ‘Gandhiyan Farm-Kadus’. Mr. Kiran Inamdar facilitated the program.
Such program helps in keeping the morale of the team high.

ASHA co-ordinator & IBT Plan 100 (Lend-a-hand-india) progress:
1) We submitted application for recognition of five schools to Directorate of Vocational Education. The schools are Asade, Bhivadi, Pachagaon, Babhali, Mod
2) We are expecting ten new schools joining IBT network from coming academic year (June 07). Process of launching the program is in progress. IBT team visited following candidate schools this month:
   Ankush : Rajuri (15th Mar), Gavadewadi (28th Mar)
   Omkar : agnel ashram(1st Mar), Rajputwadi(21st Mar), Sangli (22nd March), Lohara –Jalgaon (28th – 29th March)
3) Ms Archana Gojame (Representative of LAHI) is doing a case study on IBT Program in Bhivadi school. She is talking to parents, teacher and students and collecting their feedback about IBT program. Ankush joined her on 9\textsuperscript{th} and 16\textsuperscript{th} March to organize local support for her study.

3) Following schools were visited this month for monitoring and follow up:
   Ankush : Vikramgad (2\textsuperscript{nd} March), Bhivadi school(9\textsuperscript{th}, 16\textsuperscript{th} Mar), Dhamari (17\textsuperscript{th} Mar)
   Vishal : Mod (7\textsuperscript{th} – 10\textsuperscript{th} Mar), Shivkar (16\textsuperscript{th} Mar), Asade (17\textsuperscript{th} Mar), Pachgaon (20\textsuperscript{th} Mar)

4) IBT newsletter is circulated to 68 schools every month.

5) A head masters meeting is planned on 22\textsuperscript{nd} and 23\textsuperscript{rd} April at Khalad.

6) Invitation for LAHI supported workshop for mathematics teachers were send to all IBT schools. We received confirmation from 18 teachers. This program is dedicated in the memory of Dr.J.P Naik on the occasion of his birth centenary year.

**INDUS / SSA Progress :**
INDUA/SSA project is progressing smoothly in 20 schools in Pune, Kolhapur, Sangali and Amaravati district.

IBT team visited following schools for monitoring and follow up.
   Omkar : Dawale, Arjunwada (22\textsuperscript{nd} Mar), Kawalapur, visapur, Palus (23\textsuperscript{rd} Mar), Kameri (24\textsuperscript{th} Mar)
   Ankush : Perane phata(22\textsuperscript{nd} Mar), Talegaon Dhamdhere , Chakan (23\textsuperscript{rd} Mar), Gawadewadi & Alephata (28\textsuperscript{th} Mar)

**Nomadic Education / Shiksha :**
- Jyoti conducted nomadic education project trials at Yamagarwadi (6\textsuperscript{th} – 12\textsuperscript{th} Mar), Ansarwada (11\textsuperscript{th} Mar), Ambernath (21\textsuperscript{st} Mar – 24\textsuperscript{th} Mar)
- Dr.Ananatkrishanan and Vishal sabnis visited Pabal, dhamari and Salumbre school on 6\textsuperscript{th}- 8\textsuperscript{th} March. They interacted with students and teachers. It is decided to conduct a three days workshop on ‘use of ICT in regular teaching’ in each of these schools. Tentative schedule for the workshop is as follows : Salumbre ( 17-21\textsuperscript{st} April), Pabal-dhamari (June).

**FAB LAB :**
1) Sunil is working on preparing manual on manufacturing, installation and maintenance of LED bulbs, batteries. So far he completed design of LED bulbs on 230V AC, 12V DC batteries. He made circuits for batteries. Also completed circuits for charger etc. We gave order for manufacturing of 50 bulbs and it is given on contract basis electrical section.

2) Nilesh completed documentation of biogas project.

3) Nilesh is also working on monowheel generator. He used cement concrete to convert bicycle wheel into flywheel. Tractor alternator, Honda 2 wheeler generator were used and trials were conducted. He is making improvement on the design and hopefully we will able complete one prototype by next month end.
4) We purchase Tachometer to measure rpm. Excel industries in Pune gifted us gravity tester.
5) Parag is working on torchmate. We got some success in cutting metal using plasma. We are able to carry out wood engraving.
6) Parag, Kailash and waghule undergone training in inverter maintenance and repaired our five Inverter.

**DBRT Projects**

We decided to increase content of ‘Electronics’ in our DBRT program. To start with, students will be given electronics projects in ‘Energy –Environ’ section.

Following electronics projects are in progress:
1. Automatic Electric bell – Narendra, Sudesh :: bell will ring when any person will enter into the fab lab.
2. Variable power supply : Hanumant, Anil
3. Automatic on-off light : Bapu : For hostel toilet where students are not putting the light off at night.
4. Automatic alarm : Saguna, Aditi : To give alarm for 'morning wake up call' and breakfast, lunch and dinner timing.

**Training hall is ready**:

Old poultry shed was converted into training hall. It is of 1000Sq ft and we can use it for training purpose and also as dormitory. Attached toilet and bathroom is constructed. We are planning to conduct alumni meet, IBT instructors training in this hall. The same can be used as dormitory.

**Other Tidbits**:

1) Important visitors to ashram : Dr. Girish Bapat (director-Jnana Prabodhini 25th Mar), Father Sacchinand Bharati (4th Mar).
2) Yogesh visited Loni to meet Dr. Deshmukh on 12th March and to KEM hospital, Vadhu on 21st March to discuss feasibility of starting nursing training in Pabal.
3) M/S DIC India Ltd, Mumbai donated two old P-III computers on 18th March.
4) INDUSA endowment (Mr Kishan Bhatia) offered to donated 30 books on various subjects to our library. We submitted list of 30 Marathi books to them and waiting for their confirmation.
5) New admission: Motor rewinding : 1 no.
6) Water testing : 13 (Sr.No. 2446 to 2459) – Rs.3900/- , Profiling : 3hrs – Rs.450/-
7) Temperature Max 38 , Min 15, Humidity : Max 91% , Min 36% Rainfall : 00mm, Total rainfall : 1030.61mm, water level : 7.6 mtr.

**LSP Status : Pabal AC**:

<table>
<thead>
<tr>
<th>Lease down Time:</th>
<th>3 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total internet usage:</td>
<td>259:45:53</td>
</tr>
<tr>
<td>Total Internet Bill</td>
<td>536.89</td>
</tr>
<tr>
<td>Total connections :</td>
<td>Kiosks – 15  Pvt. Connection 18</td>
</tr>
</tbody>
</table>
Total Collection : 1400/-
New Installations : 0  New registrations : 0
Generator diesel use : LSP - 9 lit, Oil : 3.1 lit
                     Agri - 5 liter, MB – 2lit,
MSEB Meter Reading : Total 426 units
Bicy meter Reading  : Total 550 km

Photo Gallery:

Polyhouse under construction
Fitting tiles in training hall
Toilet for training hall
Pedal operated fodder cutting machine : Students project
In this issue

- VA alumni training program
- IBT school principals meeting at Khalad
- Vigyan ashram is in final round of World bank –DM competition
- Electricity and internet problems at Pabal

VA alumni training program
Under world bank project, first alumni training program was conducted on 7th and 8th April. It was ‘Achievement motivation workshop’ conducted by Mr Kiran Inamdar. Total 14 alumni attended the training. Present DBRT batch also joined them for some sessions. Out of 14 students 4 students shown interest in bridge loan scheme and in the process of applying for the same. We also showed them film ‘Guru’ and conducted discussion on it. We also conducted individual counseling for their future planning and difficulties. It was good experience to reconnect with old students after years and recalling with them old moments. Ms Archana Gojame of Lend-a-hand-india and Yogesh Kulkarni also participated in the program as participant.

IBT school principals meeting
Total 22 school principals of IBT schools attended the meeting on 22nd and 23rd April at ‘Pani Panchayat, Khalad’ near saswad. Seven schools presented their reports using power point. We discussed on various difficulties in implementing IBT program and also agreed on certain non-negotiable things while implementing the program. ‘Learning while doing’ ‘community service’ ‘10hrs per week practical’ are some of the non-negotiable things agreed in the meeting. We invited Mr Vivek Ponkshe to share his experience on ‘work centric education’, he nicely motivated principals in his speech. Everybody made planning for next academic year. The meeting Offered good opportunity for principals to discuss with each other administrative issues like time table adjustment, teachers work load, examination etc.
All principals also visited IBT program in Bhivadi village. Mr Anandrao Patil chaired the valedictory function.

Vigyan Ashram in the final round of DM competition
Vigyan ashram and Save Bombay Committee(SBC) submitted an idea on ‘Human power based lighting solutions’ in Development marketplace competition organised by World bank. Out of 2500 entries, 50 entries are selected for final round of the competition. Our proposal is one among them. World bank will select 20 entries in the final round. Competition for final round is scheduled on 28th May in Delhi. We will exhibit our idea in front of the jury and visitors will vote
for each entry. Mr Kanubhai Kamdar, Mr Dilip Of SBC and Yogesh and Nilesh of VA will present the idea in the last round.

ASHA co-ordinator & IBT Plan 100 (Lend-a-hand-india) progress:
1) Following schools were visited this month for monitoring and follow up:
   Ankush : Shirur (3rd April), Dhamari (10th April)
   Omkar : Mozari (5th April)
2) Summer camp at Bhivadi : IBT team organised 4 days camp for IBT students in Bhivadi school from 13th – 17th April. Total 97 students attended the camp. Students done survey of the village, prepared map of the enterprises in the villages, made list of the activities for which villagers goes to nearest town saswad. They also went to ‘Purandar fort’ and did camp fire at night.
3) Banglore visit : Yogesh visited Banglore from 26th – 28th May. Organization YUVA organised this visit. They are planning to start IBT program in 2 school from coming academic year. Objective of the visit is to visit all potential schools, discuss IBT program in details and decide on the collaboration with YUVA. We visited school near Hoskote and Tumkur. YUVA volunteers will followup with school and entered into MOU with the school. On 28th May, Yogesh visited Vivekanand Institute Of Leadership Development (VILD) in Mysore.
4) Jyoti shinde is transferred to IBT dept from 1st April.

INDUS / SSA Progress :
INDUS/SSA project is progressing smoothly in 20 schools in Pune, Kolhapur, Sangali and Amaravati district.
- Activity camp to complete all pending activities in schools :
  - 5th-7th April : Urdu high school, Paratwada
  - 11th – 12th April : S.G Boys high school
  - 13th – Jagadamba High school
- Pune SSA school meeting was held on 27th April. School exhibited products made by them during the project period. They also demanded continuation of the program for next year. Education officer promised to include it into next years budget.
- Kolhapur : Arjunwada school held exhibition and sale of all products made in the school on 30th April. Zee news covered the news in its news.
- Gavdewadi school in Pune done video shooting of its activities and presented it to Z.P.

Nomadic Education / Shiksha :
- A three days workshop on ‘use of ICT in regular teaching’ is conducted in Salumbre school from 17-21st April. Dr.Anantkrishanan, Yogesh Kulkarni, Milind Naik participated as resource persons. Teachers made power point presentation on topic from their subject.
FAB LAB:
1) Sunil attended training workshop on micro-controllers and embedded systems organised by Dr. Dhanajay Gadre at Netaji Subhas Institute of Technology, New Delhi from 7th April to 18th April. He also visited DST and CAPART.
2) Nilesh visited Kirloskar Engine to study their biogas plant constructed by Gangotri.
3) Nilesh purchased and tried alternator of two wheelers, maruti and tractors for human power lighting solution project.
4) Ram prepared coal stove as per the design given by Mrs. Alpana Vijaykumar.
5) DBRT students completed project on variable power supply, Bell cum light controller and light sensitive alarm.

Electricity and Internet Problem
Now electricity load shedding is 16hrs a day. For 2 days in a week there is complete power off. We are forced to work many times at night 1am – 6am. We introduced flexi timing and asked people to work whenever power is available. For office purpose, we are running generator for 4 hrs a day. Internet service is also affected partly because of discharged of batteries in telephone exchange. And partly due to issues related to n-logue.

DBRT Projects
Engineering:
1. Prepared solar cooker. We are planning to introduce it in IBT schools from next year.

Agriculture project:
1. Kothimbir lagwad Sunil, Santosh
2. Kakadi (cucumber) plantation: Bapu
3. Nursery in green house: Deepak
4. Tuti plantation for sericulture: Mahesh, Shrikant

Electrical:
1. Total 30 LED lamps (2Watt) manufactured. Out of which 11 were sold to visitors. 11 lamps are installed in staff room. We replaced 40Watt bulb with 2 Watt lamps (mainly lamps in the toilet).

Biogas: We are facing shortage of oil cake. Oil cake will be available from farmers from mid-june.

<table>
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<tbody>
<tr>
<td>Biogas 1</td>
<td>31 m^3</td>
<td>880kg</td>
<td></td>
<td>440</td>
</tr>
<tr>
<td>Biogas 2</td>
<td>16 m^3</td>
<td>350kg</td>
<td></td>
<td>175</td>
</tr>
</tbody>
</table>

Other Tidbits:
1) Mr. Maruti Bijoor donated Rs. 50000/- for Vigyan Ashram corpus. We are thankful to them.
2) Sixty students of Federation of Jain Educational Institute visited ashram on 22nd April.
3) DBRT 3rd session exam was conducted on 3rd and 4th April.
4) Purchased and fitted roof tiles on kitchen roof.
5) We installed Dial up phone modem at Pabal. This will help us to get internet access whenever WLL internet connectivity is down.
6) Students visited Emu farm near Thitewadi dam on 19th April.
7) New admission : MS Office : 11 nos , Motor rewinding : 1
8) Water testing : 10 (Sr.No. 2460 to 2470) – Rs.3000/- ,
9) Temperature Max 40 , Min 25, Humidity : Max 85% , Min 36% Rainfall : 1.4mm, Total rainfall : 1030.61mm, water level : 7.65 mtr.

LSP Status : Pabal AC :
Lease down Time: 4 days
Total internet down time : 10 days
Total internet usage: 95:12:26
Total Internet Bill : 155.79
Total connections : Kiosks – 15 Pvt. Connection 18
Total Collection : 955/-
New Installations : 0 New registrations : 0
Generator diesel use : 51 lit ,( LSP - 40 lit , IAP – 5, Agri – 6 )
MSEB Meter Reading : Total 425 units ( 30192 – 29767 )
Bicy meter Reading : Total 281 km ( 10115 – 9234 )
n-logue has not paid BSNL lease line charges (Rs.28000) for last quarter hence they send notice to them for non payment.

Photo Gallery:

Banners for alumni meet
Va alumni working on role play
Development Market (DM) place Award
Final round of D.M competition organised by World Bank was held in New Delhi on 27th and 28th May. Yogesh and Nilesh represented Vigyan Ashram. Mr Kamdar and Dilip Sankarreddy from Save the Bombay Committee joined them for final round. We exhibited our idea of ‘Human power based electricity generation’ and also put posters explaining the potential of the idea especially for nomadic and tribal people. We demonstrated monowheel generator and attachment to regular bicycle. A low rpm generator is used, which produced 4 Amp current at 12V. The electricity generated is sufficient to power 2W LED lamps.
Out of 50 finalist, our idea got selected among 20 winners. Idea price of $20000 will be used to implement the idea in 42 tribal ashramshala and 12 nomadic camps. To reduce the cost of transportation, we sold monowheel bicycle to one of visitor in the competition.

Delhi Visit
On the sidelines of DM competition, Yogesh visited following organisation –

i) National Institute Of open Schooling – For DBRT, we are using books published by Vigyan ashram. It is necessary to revise the books and also make it available in other languages. NIOS agreed to setup a committee, who will translate the books in English and Hindi. First meeting of the committee will be likely to be scheduled in last week of June. We need to suggest them three subject experts on DBRT. NIOS will publish the books.

ii) CAPART – To take stock of pending files with CAPART and possibility of submission of new proposals.

iii) DST – To discuss STARD scheme. Also to give status of LED project.

iv) Mr Balkrishna Renke (Chairman, of National commission on nomadic and de-notified tribes) – To follow up on the proposal given for implementation of IBT program in nomadic ashramshala’s. He promised to visit Pabal to understand the project.

IBT instructors training program
IBT instructors training were organised in two batches. Instructors from 27 schools participated in the program.

- First Training Program (21st – 26th May) – This program was conducted for the instructors are already teaching at schools and undergone training at
ashram in the past. Emphasis was given on the introduction of new types of community services in the schools. Following projects were given to instructors and they are expected to repeat the same in schools.

Workshop: Manufacturing of Solar cooker
Electrical: Manufacturing of LED lamps, emergency lights.
Agriculture: Green house nursery
Home and Health: Soil testing, bakery products.

Following schools participated in the program (Fig in the bracket indicates number of instructors present)
Bhivadi(4), Asade(4), Pachgaon(4), Mod(4), Bhabhali(3), Pabal(4), Dhamari(2), Vikramgad(4), Bhavara (1), Belewadi (2), Chikhalgaon (2), Manchihill (2), Shivkar (4) Total : 43 instructors from 15 schools.
Two instructors from ‘AIM for SEVA’ Madya Pradesh also participated in the training.

• Second Instructors training program (28th May – 2nd June)
Instructors from new schools joining IBT network and new instructors from old schools attended this training program. Instructors learn different practicals in their respective sections. Beside this school wise planning of activities was done.

Following schools participated in the program
Salumbre (1), Gawadewadi(4), Hingangaon(4), Shindavane(4), Shirur(2), Pal(4), Khiroda(4), Mozari(3), Lohara(4), Vikramgad(1), Manchihill (3), Bhivadi(1). Total 35 instructors from 12 schools.

NVA fellowship:
M.S Swaminathan research foundation started Jamsetji Tata National Virtual Academy for Rural Prosperity (NVA). They provide training and capacity building to grassroots workers as their fellows. Our instructor Ms Jyoti Shinde is selected as NVA fellow for her work in nomadic education. Beside her, two of our nominee Mr Bharat Pachange (Internet Kiosk operator) from kendur and Mr Santosh Kolhe (Astitva Pratishtha’s 100days school for sugar cane cutter worker) also got selected for NVA fellowship. They will be awarded fellowship in a program at IGNOU, Delhi on 1st Aug. Our heartily congratulation for them.

FAB LAB:
1) Mr Rameshwar Kakade(student of Msc Electronics) started working in the fab lab for his academic project. He will work in the lab for 2 months and complete Green house valve project.
2) After struggling for months to install Internet on Ubuntu operating system. Parag was able to configure it correctly. With this, we will able to run program’s required to test milk tester circuit.
3) Materials for making kits for Led lamp were purchased. We made kits for torches, emergency batteries and bulbs. During IBT instructors training program, training was given to 10 instructors in making Led bulbs. They were given sample kit to get the work done from the students.
4) We submitted our design on “Indian style bench (Meja)” for torchmate design competition organized by MIT.
5) Ms Pooja wagh and Ms Mariel (MIT-USA) visited ashram from 14th – 17th May. They developed a blog for pabal villagers on Internet.

**Internet Problem**
Due to non payment of BSNL leaseline bill by n-logue, internet service is down from last month. N-logue gives the reason of excess bill and charges from BSNL. Now they want to go for reliance lease line. Our work is getting badly affected by non availability of internet. Therefore we purchased Nokia N72 mobile (Rs.11000/-) on 26th May with AirTel connection. It cost a Rs.13 per day for unlimited access. Though the speed is 30-40kpbs, we are able to receive e-mails and answer them from Pabal. We brought 2Kw online UPS, Generator, router from Rajgurunagar access center to pabal.

**Book on Dr Kalbag’s articles**
Almost all-primary work for publishing book on collection of selected articles written by Dr Kalbag was over. Mr Anil Sadgopal wrote a nice forward for the same. Mr Sangram Gaikwad (Editor of the book) completed his editorial. We are now looking for good publisher to publish this book. We have also requested Dr Chitra Naik to write a forward. The book will contain articles on education, rural development, technology transfer through education system and integration of education and development.

**DBRT Projects**
**Engineering**:
1. Prepared five solar cookers. Table, kitchen rack during IBT instructors training.
2. We got order for 125 rain guages from AQUADAM in Pune. They are going to install it in villages in karnataka. Total value : Rs.12500/-.  
3. Following projects are in progress : Making cot, manufacturing and sale of chalk and candles

**Agriculture**:
1. Making plants in seedling tray. { Kaju, Bengan, Chilly, Cucumber }  
2. Ploughing field using tractor for monsoon.  
3. Green house construction during IBT instructors training.

**Electrical**:
1. Projects ---  
   Tube light booster – Basawling,chandrakant  
   Battery eliminator – Soma  
   Emergency lamp – Sonaklal
Biogas: We are facing shortage of oil cake. Oil cake is not yet available.

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<td>1240kg + 2480lit</td>
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Other Tidbits:
1) Mr. Mohan Kulkarni (Pune) and Mr. Anant Gupte visited ashram on 15th May. Mr. Kulkarni donated Rs. 10000/- to Vigyan Ashram corpus. We are thankful to him.
2) Mr. Arjun Wadekar donated his old workshop machinery to ashram. It includes coil winding machines, tools, grinder etc. We are thankful to him.
3) Our old cannon camera became faulty. Cannon service center replaced it with new advanced camera for additional payment of Rs.2600/-.
4) Jyoti and Ajay conducted trials on Ambernath camp from 6th – 19th May.
5) Kailash brought 2 computer, one UPS and harddisk from IIT. They were send to IIT for repair.
6) Anand and Kailash visited MITCON to finalise ‘Achievement motivation training program’ for our alumni from 7th – 9th June. They also visited Directorate of Vocational education to inquire about the recognition for our courses. Mr Kailash Jadhav is looking after starting new short term courses in ashram.
7) Nimbalkar visited SSC board from 4th – 7th May for IBT books proof checking.
8) DBRT admission for year 2007-08 is started. So far 7 admission got confirmed.
9) Mr Dev Tayade from Indicrop visited ashram on 9th May. Mr and Mrs Prashant Aiyangar (Son of Dr B K S Aiyangar) visited ashram on 14th May. They wanted to start IBT program in their school in Karnataka.
10) Water testing : 6 (Sr.No. 2471 to 2476) – Rs.1800/-
11) Due to electricity problem, we faced water shortage this month. During instructors training we purchased water tanker. Number of trips : 8nos (Rs.3200/)
12) Temperature Max 40 , Min 20, Humidity : Max 73% , Min 35% Rainfall : 1.52mm, Total rainfall : ___ water level : 9 mtr.

LSP Status: Pabal / Rajgurunagar AC:
Access center is down at present.
Motor cycle meter Reading : Total 504 km (10619 – 10115)
{{ IAP-246, LSP – 175, IBT – 63, WRD – 20 }}
**In this issue**

- Completion of DBRT batch 2006-07
- 2nd Alumni training program
- Mathematics teachers workshop in Pune
- IBT training program in Kannada

**DBRT batch 2006-07**

DBRT batch completed their training on 25th June. Examination was held on 19th, 20th and 21st June. They earned Rs 33550 by way of contract. They have done many remarkable projects in one year’s time. Projects includes construction of training hall, staff quarters, bakery. Manufacturing of LED lamps and various small electronics projects etc. ASHA for education supported this year’s expense. We are expecting their support for next batch also. Proposal for it is already submitted.

Out of 26 students, 25 got placement. 9 Students are joining IBT schools as instructors.

Fourty students secured admission for new batch 2007-08. There are 2 students from Nagaland, 1 from Orissa, 1 from Gujarath. Admission for this year is over with 20+ students on the waiting list. We are increasing our capacity by 10 students and are increasing facilities in ashram accordingly.

**2nd Alumni training program :**

Training program for VA alumni under World bank project was held from 7th-9th June at Pabal. Total 36 alumni attended the program. We invited MITCON to conduct training on ‘Achievement motivation and enterprenuership’. Dr Mokashi, Mr Phukane, Mr Panditrao Gawade, Mr Vivek sinare conducted training on communication skills. We also introduced Bridge loan scheme of lend-a-hand-India.

Dinesh shid, Ganesh shelke, Khemchand submitted their proposal for bridge loan.

Work on website of VA alumni is in progress. A domain name [www.ren-india.com](http://www.ren-india.com) is registred. Website will be launched on 30th July.

**Mathematics teachers workshop:**

Total 19 teachers from IBT schools participated in Mathematics teacher’s workshop from 18th –23rd June. The program was supported by Lend-a-hand-india. It was dedicated to memory of Dr.J.P Naik on the occasion of his birth centenary celebration. Bhaskaracharya Pratishthan conducted the program.

Dr Railikar and Mrs Sunanda Mane (LAHI) inaugurated the program on 18th June. Mr P.G Vaidya, Dr Shakarao Gowarikar, Dr Waghmare, Mrs Mane were chief guest for the valedictory function on 23rd June.
Teachers were trained on mathematics software Dr Geo and also on new methods to make mathematics interesting. Teachers wholeheartedly participated in the workshop and it was a completely new experience for many of them.

**IBT instructors training program**
- Domerkeddy (Dist. Tumkur) from Karnataka is starting IBT program from this year. Training program for their 4 instructors was conducted at Pabal from 24th June – 28th June. The program was conducted in kannada language. One hindi teacher from Domerkeddy and instructor from Belewadi school, who knows kannada worked as translator. It was new experience for us. The program will launch from first week of July.
- Following instructors who could not attend previous training program completed their training from 24th – 28th June : Mangaon (3), Shirur (2), Asade (1)
- Following IBT schools held inauguration function of their IBT program Hingangaon – 21st June, Khiroda – 28th June, Pal – 28th June, Lohara - 28th June,
- Following schools purchased their equipment’s Gawadewadi, Khiroda, Pal, Lohara – 100%, Shindavane, Hingangaon – 30%
- Following schools collected funds and in process of purchasing equipment’s Shirur, Mangaon, Mozari, Rajputwadi
- Work on IBT schools website is in progress. Domain name [www.techshala.in](http://www.techshala.in) is registered. Site will be launched on 30th July.

**First installment received from Lend-a-hand-india (LAHI)**
Mrs Sunanda Mane of LAHI visited India last month. We had a detailed meeting with her on 6th June. LAHI supported IBT program in 8 schools last year. This year again they are supporting IBT program in 9 additional schools. LAHI supports instructor’s salary and recurring material costs for first 3 years under PLAN 100 project. Total cost per school is Rs.81600/-pa. We expect school to purchase equipment and charge students with nominal fees.
LAHI is also supporting us to improve facilities in ashram. This year we plan to make 20 cots, purchasing of bending machine, gotha compound and re-construction of one old dome. Estimated cost of the project is Rs.2.05 lacs.
We received approx. $26000 from LAHI. We are thankful to them.
One of our well wisher Mr Kishan Bhatia of INDUSA foundation gave us donation of $300 to purchase books for our library. We are in process of acquiring the books.

**INDUS and SSA project status:**
Last year we got sanction from Amaravati, Pune, Sangali and Kolhapur zilla parishad to implement the program in 5 schools of each district from 5th – 7th std. The program was implemented successfully. During review meeting at the end of the year, Director MPSP (Apex body of SSA in Maharashtra) suggested to
implement the project in other district as well. They noted their appreciation of the program and recommendation to other district in their minutes of meeting. Still there is no confirmation from any of the Z.P. We are following with them continuously. There response is as follows:

- **Amaravati Z.P** got funds from INDUS fund last year. This year INDUS project officer told them to purchase computers to schools through the funds available for innovative program. We took up the matter with District collector. Their Education officer is also supporting our case. The issue is still hanging.

- **Pune, Kolhpaur, Sangli**: Last year MPSP directed these Z.P to implement the project on pilot basis. Now these Z.P again wants letter from MPSP to implement the program. Even if we get the letter from MPSP, it needs to be approved by CEO of Z.P and the local elected panchayat body. The process will take minimum six months.

Since decision on this year funding is getting delayed, the program is on hold.

**Pedal Power project (World Bank)**

Nilesh is looking for proper DC generator for pedal power project. Following are the required specification:

- RPM: 300 rpm and 1000 rpm, Current: 5 amp, 12 V
- Torque: 0.6 N-m

He visited M/S Prashul Electrical, Aurangabad on 25th June and placed sample order for two generator on them. He also visited Mumbai on 26th June to decide on the action plan for the project with SBC. Along with Mr Kanubhai, he visited CITARA (IITB), Prof. Mrs Pandit of S.P College to discuss about the design. We also placed order on M/s Tachometric control in Pune for brush less generators. We will test generator on bicycle for one month and then supply cycles to ashramshala’s.

**FAB LAB :**

1) Detailed reports of projects in fab lab is available on blog: [www.fablabinnova.blogspot.com](http://www.fablabinnova.blogspot.com)

2) A project on hearing aid is complete.

3) MIT send invitation for FAB Conference to be held in chicago from 20th – 25th Aug. MIT is sponsoring the trip of Yogesh and Parag.

4) Bhargava is working on completing project for chicago conference.

5) Sunil is working on finalizing 10 differences LED circuits.

**Internet Problem**

Dead lock with n-logue Internet connection is still on. Nobody from n-logue is giving any response. Internet connection is down at present. We are using internet using GPRS mobile and BSNL dial up connectivity.
DBRT Projects
1) A new design of double cot is made. We made use of square pipe and nut & bold arrangement. First cot was made as a DBRT project. Now Ram is making five cots at a time.
2) Ram and Anand made a pipe cutter. Market of such instrument is Rs.10000/-. Our cost of manufacturing is Rs.6000/-. The machine is working well.
3) A blower is made in the workshop. It will be useful to heat the tools for sharpening.
4) Door for girl’s hostel room is fabricated in Instructors training.
5) A bending machine is ordered. This will be useful for making cupboard.

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<td>Dung + -water</td>
<td>750 Kg</td>
<td>375/-</td>
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6) We saw Bajara and Maka seeds in 15 guntha (10mtr*10mtr) plot each.
7) Graft of 200 plants (150 rose, 50 Mogara)

Other Tidbits:
1) We provided service of checking SSC/HSC results on Internet. Results of more than 200 students were provided through internet. Value of service : Rs.2085/-
2) A proposal for core support is submitted to Dept of Science & Technology.
3) Nine students completed MS Office course and one student completed computer hardware course.
4) Temperature Max 33, Min 20, Rainfall : 210mm, Total rainfall : 4 mm water level : 1.1 mtr.
5) Motor cycle meter Reading : Total  293 km  {{ IAP- 136, IBT – 122, Agri – 35 }}
6) Advertising pamphlets of Short-term courses were circulated in newspaper. This year we are starting a Tally course. 5 students took admission for the coming batch.
7) Staff matters: Sachin joined on WB alumni project from 6th June.
8) Yogesh attended ‘Virtual school and learning home’ seminar organised by MKCL and IIE on 29th and 30th June.
9) Yogesh had a meeting with Mr Richard Pipe { Who developed RLE multimedia tool for us} on 30th June. He is now heading M/s Estelle labs Pvt Ltd. They have developed a web based software for record keeping. Meeting was to discuss about projects in ashram as well to brainstorming on potential application’s for the tool in rural development.
10) Sachin visited Dinesh Shid and Ganesh’s village to collect information about their loan proposal.
In this issue

- 30th July – Dr. Kalbag’s fourth Anniversary function
- DBRT batch 2007-08 started their course
- IBT center progress
- Omkar attended ‘Learning net’ conference at Chamrajnagar (Karnataka)

30th July Function:
Fourth anniversary of Dr Kalbag was observed as ‘Sankalpa Day’. We organised one day open house exhibition of all VA projects and activities.
A small function was held in the morning. Dr Goswami (Managing Director, Govt Of India, New Delhi) was chief guest, Mr Prakash Pawar (Chairmen, Agriculture production marketing committee, shirur), Dr Bhatia, Dr Anantkrishanan, Dr Gowari, Dr Waghmare, Mr Nishikant Bhalariao (Editor-Agroone), Mr Abhay Patil and many other guests visited ashram on that day.
We honored Mr Avinash Gorade with ‘Young Entrepreneur’ award of this year.
Ram Chowghule won idea prize award of Rs.1000/-. We have inaugurated two new projects
1) www.renindia.in { Website for rural entrepreneurs network } and
2) www.techshala.com (Portal of IBT schools)
We also launched CD on nomadic education project ‘MEEIT’ (Marshalling education through environment using Information Technology) at the hand of Dr Goswami.
Media covered the event extensively. Indian Express, Sakal, Agroone, Maharastra Times and Loksatta published news about function. Star TV and Sahara channel also visited ashram to cover the function.
It is estimated that more than 2000 visitors visited ashram on that day.

DBRT batch 2007-08
DBRT batch started their training on 10th July with 38 students (29 residential and 9 are day scholar). We turned down more than 20 admissions. From this year DBRT course is started at Chikhalgaon (15 admission) and Dhamapur (9 admission). This will help in getting trained instructors for IBT replication.
We are giving LAHI loan scholarship to 4 students and Mr Daimand Meghaji is sponsoring Rs.5000pm for excess expenses of DBRT student.
ASHA-Seattle conveyed their sanction for this year’s core expenditure of DBRT staff and electricity and Internet expenses.

PLAN 100 Progress:
1) IBT center at Gawadewadi was inaugurated at the hands of Minister of Technical Education and Energy Mr Dilip Walse Patil on 15th July. He promised to call meeting of all officers to discuss issues in IBT replication.
2) From the Lend-a-hand-india’s support Pabal school purchased IBT equipment’s on 24th July. Dhamari school also purchased few equipment’s.

3) SSC board published IBT books for 9th std. They are available for sale at Division board offices of SSC board. Preparation for 10th std books is in progress.

4) We are following up with NIOS to publish DBRT books in English. We suggested name of following experts for the committee:
   Mr. Maruti Bijoor (Energy – Environment)
   Mr. Kumar Kulkarni (Animal Husbandry)
   Mrs. Alpana Vijaykumar (Home and Health)
   Mr. Ankush Kale (Engineering)
   A preliminary discussion was held with these experts and we are hopeful that work will soon get needed momentum.

5) School visits –
   Omkar - Bhabhali, Mozari, Hingangaon, Shindavane, Domkheddy (Karnataka)
   Ankush, Kailash - Vikramgad, shivkar, Mangaon, Pachgaon
   Vishal – Pachgaon, Asade, Rajputwadi, Bhivadi
   Vivek – Lohara, Pal, Khiroda
   Nimbalkar – DBRT center at chikhalgaon

6) Staff changes –
   Ankush Kale who worked as a IBT co-ordinator for 2 years, resigned from the services from 23rd July. He managed IBT responsibility quite well. He is joining Mangaon school as a science teacher. This school recently joined in IBT network. We wish him all the best in his career and expect that he will continue to associate with IBT program.

   Staff Matters:
   • Omkar Banait took over charge of Ankush Kale as IBT Dept head. Kailash Jadhav is transferred from LSP dept to IBT. Similarly Vivek Khojare (Who was working with us in INDUS project at Amaravati) joined IBT dept. He will be based in Pabal and handle responsibility of Vidarbha and North Maharashtra schools.
   • Mrs Sujata Shivekar resigned as Home and Health instructor. Jyoti Shinde is transferred to Home and Health section.

Program Advisory Committee (PAC):
PAC meeting was held at Pabal on 30th July. Dr Waghmare, Dr Gowarikar, Mr Vijay Kumar, Mr Ashok Kalbag, Mr Sunil Kulkarni, Mr Anil bahuman, Mr Sanjay Shembade, Mrs Mira Kalbag and Yogesh Kulkarni attended the meeting. Annual report and account of 2006-07 was discussed and various administrative difficulties and issues were debated. It is also decided to make Director free from routine and reporting responsibility so that he can devote his energy for creative and networking work. It is also decided to off load excess workload of Vigyan ashram to IBT school as community work. It is decided to include Dr Gowarikar in
PAC. It is also suggested to invite Lend-a-hand-India representative for next advisory committee meeting.

**Improving facilities of Ashram (LAHI supported project)**
Following activities were carried out –
1. Bending machine – Machine is purchased. Now we can make all kind of cupboards, racks, sheet metal work in ashram. We made one cupboard.
2. A cot was made last month as part of DBRT project. Now we standardized design and made similar 5 more double beds.
3. A fodder cutter machine is modified to work on cycle pedal power. Also a pump is attached to bicycle.
4. A books are purchased for Vigyan ashram library from the financial support from Mr Kishan Bhatia of INDUSA fund. The books are formally given to library on 30th July.
5. With increase in students strength, we have purchased bigger size utensile and stove for Kitchen.

**Learning network conference**
Omkar Banait attended ‘Learning Network’ conference held at Chamrajnagar(Near Mysore) from 20th - 22nd July. He presented our experiences in implementing ‘Life skills training program’ under Sarva shiksha Abhiyan.

**Pedal Power project (World Bank)**
One PMG generator received from M/S Pranshu Electrical and M/s Tachometric control. Both generators were tested on bicycle and we shotlisted on Pranshu’s design.
Two more cycles are made and order is placed for 5 generators on Pranshu.
Yogesh visited M/S Modern technical Institute on 4th July, to discuss design of Pedal Power.
Nilesh modified fodder cutting to work on pedal power. Similarly a 0.5hp pump can be attachment to the same equipment.
A detailed drawing of cycle with specification is made, data collection of amount of energy generated and battery charged is in progress.

**FAB LAB :**
1. Detailed reports of projects in fab lab is available on blog:
   [www.fablabinnova.blogspot.com](http://www.fablabinnova.blogspot.com)
2. A project for chicago exhibition are completed.
3. There is a torchmate 4*8 competition at chicago. In which you need to make any article from 4ft * 8ft plywood using torchmate machine. We submitted two entries for the competition. One is for traditional Indian Desk i.e Meza. And also one carved small table.
4. Total sale of LED lights during 30th July function is Rs.5300/-
5. Dhamari energy environment instructor made 10 torches in IBT class and sold locally.
6. Radium cutting work Rs.950/-
7) Bhargava made 5 CFL lamps.

**DBRT status** -

1) Short term courses – We launched Tally course from this month.
   Admission status – Tally – 4nos, Ms Office – 6 nos, Computer hardware – 1nos. Motor rewinding – 7 nos, Electrical – 2 nos, Workshop - 3, Poultry – 7 nos

2) Biogas

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<td>Dung + -water</td>
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<td>300/-</td>
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2) New poultry batch started with 150 birds of R.I.R on 27th July.
3) Health data is prepared for all new students.
4) 30th July food sale – Vada Pav 140 nos – Margin Rs.250/-, Tea 300 cup – Margin Rs.300, Snacks – Margin Rs.200/-

**Other Tidbits** :
1) Internet service to villagers – Rs.315/-
2) Shiksha training program was conducted on 11th – 13th July for Pabal and Dhamari school teachers. Dr Anantkrishanan and Yogesh Kulkarni were resource person.
3) CD sale on 30th July – Rs.3325/-
4) Anand attended NIOS co-ordinator meeting on 25th July.
5) Mrs Janaki Desai donated 117 plants for 30th July function. All staff and student did ‘Shramdaan’ to plant them.
6) Temperature Max 33, Min 20, Rainfall : 110mm, Total rainfall : 324 mm water level : 3.5mtr.
7) Motor cycle meter Reading : Total 438 km { IAP- 402, IBT – 36}
FAB Lab 4 Conference
Yogesh and Parag attended 4th Fab Lab Conference held at Museum Of Science and Industry from 20th – 25th Aug. There were more than 100 participant and number of labs around the globe reached to 23. Many new labs open up in US and S.Africa and Norway. There was a hands on workshop on hardware, software’s and operations of the fab lab. Beside this Fab Lab logo and charter for all fab lab were discussed and finalized. There was a open house exhibition and 4 * 8 competition on 23rd Aug. We participated in the competition with entry of table cut on torchmate machine. On 24th Aug, a symposium on Digital fabrication was held at University of Chicago. Various researchers presented their work on digital fabrication. It is also decided to have next FAB 5 conference in Pune.
Yogesh returned to Pabal immediately after the conference. Parag stayed back till 8th sept. He had undergone training in torchmate operations at boston fab lab. The cost of travel and boarding for both were supported by MIT.

IBT school recognition:
Six schools which started IBT last year applied for IBT recognition from Directorate of Vocational Education. But the application is taking long time. Many of their officer are unaware about IBT scheme and demands many unnecessary detail from schools. Yogesh visited Mantralaya and Vocational Dept on 1st Aug to
discuss the issue with Director-Vocational Education. They invited us in their meeting of all regional directors and office in Pune on 4th Aug at BMCC-Pune. Yogesh gave a presentation on IBT and its implementation strategy to all officers. Dy.Secretary Mrs Shintre and Director- Vocational Education Mr Shekapure were present for the meeting.

We are actively following up issue of recognition with concerned authorities. Inspectors from Vocational Dept visited Pachgaon, Bhivadi, Asade Schools. The compliance required by them was done and report submitted.

**PLAN 100 Progress :**

1) Yogesh met Mr Madhukarrao Chowdhary (Ex-Education Minister) on 8th Aug. IBT program was started in 3 schools run by his organisation. He strongly supported the IBT philosophy and offered to visit with us to any minister, if we need any support from Govt. We also informed him about the shortcomings in Pal and Lohara schools, to which he gave appropriate instructions and assured us the requirements, will be fulfilled.

2) There is a issue of separate room for IBT in Mod school. At present they are keeping all tools in Head masters room. Yogesh, vivek visited Mod on 8th Aug and discussed the issue with Principal. Vivek also met Mr Kumar Shiralkar on 15 Aug to insist on the providing separate room for IBT. He promised necessary action.

School visits :
Yogesh : Pal, Lohara, Khiroda (7th ), Mod (8th ), Nhavara (14th Aug)
Omkar : Manchi hill (10th), Nhavara (1st , 14th ), Madaj (21st , 22nd) Pabal, Harali (22nd)
Kailsh : Vikramgad, Hingangaon, Shivkar, Bhivadi, Chikhalaqon
Vishal : Asade, Pachgaon, Rajputwadi, Dhamari
Vivek : Mod(8), Khiroda, Pal, Lohara(7), Babhali(16,24), Mozari(17)
Improving facilities of Ashram (LAHI supported project)
Following activities were carried out –
1) Gotha compound shed – A new shed for Gotha compound was made as part of DBRT project. A shed is constructed for storing fodder and to keep calf separately.
2) Kitchen extension – A small room is constructed near kitchen. It will be mainly used to store kerosene, groceries and other stocks. This will create more space in kitchen.
3) Cupboard for (INDUSA) library and IBT section was made in the workshop using newly purchased bending machine.

Rotary donation to Vigyan Ashram
Rotary club, Mumbai donated Rs.1 lacs for construction of hostel room at ashram. We are planning to build new room on the place of old guest house. We are looking for different cost effective solutions and new designs for the new room.

Pedal Power project (World Bank)
1) Five cycles were manufactures. Four were dispatched to various ashram shala’s in Gujarath and one cycle is given to IIT for testing. We requested them to certify the parameters defined for the cycle. We are awaiting report from them.
2) A detailed drawing of cycle was made.

FAB LAB:
1) Detailed reports of projects in fab lab is available on blog :
   www.fablabinnova.blogspot.com
2) Radium cutting work Rs.295/-
3) Current project : Mobile charger on cycle dynamo.
4) A low rpm generator for pedal power is tested for wind mill. A small fan blades are used and PMG generator is installed on small tower. Work in progress.

15th Aug – Independence day
15th Aug was celebrated with usual enthusiasm. A small percolation tank is made through shramdaan on 14th Aug. A wire fencing is made for 100 trees planted by staff and students.
On 15th Aug, after flag hosting students performed various cultural programs followed by sports competition.

DBRT status -
1) Training program on making bakery products was organized in ashram on 30th Aug. A bakery owner in Pabal was invited as a resource person. Now we are able to make khari, Pav and rot in our bakery.
2) Biogas
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<td>337/-</td>
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3) Vaccination of goat was done. Cows were inspected from veterinary doctor.
4) A lather bag manufacturing course is started for women of SHG. At present 5 women and undergoing training in manufacturing of lather bags. Mr Kolhe is giving him training.

**Other Tidbits :**
1) Internet service to villagers – Rs.220/-
2) CD sale – Rs.1325/-
3) Anand attended NIOS co-ordinator meeting on 25th July.
4) Temperature Max 34, Min 20, Rainfall : 72mm, Total rainfall : 396 mm water level : 4.7 mtr.
5) Generator usage : 31 lits (Agri – 24 , Generator – 7 lit )
6) Motor cycle meter Reading : Total 43 km { IAP- 28, IBT – 15} 
7) MSEB light bill : Rs.2570/- Units : 826

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**Gotha construction in progress**

**Five pedal power cycle ready for despatch**

**Anand Gosavi on electrical tower**

**Balwadi student doing flag hosting 15Aug**
In this issue

- Barchhi dance in Ganeshotsav
- Alumni training program
- New IBT school recognition issue.
- PAC meeting on 30th September
- Village knowledge center proposal to CAPART

Barchhi Dance in Ganeshotsav

DBRT students were preparing for Ganesh procession for more than a month. Instructor Bhargav and Ram took lots of efforts to train DBRT batch. They took out a procession on 25th Sept. Student learn screen printing on T-shirt. Dance was appreciated by all.

Alumni Training Program:

Third alumni training program was organized on 16th Sept. Total 36 alumni entrepreneur were present. Since all of them have entrepreneur background, discussion was interesting and lively. We carried out video shooting of the discussion. Mr Kiran Inamadar acted as a facilitator. During feedback session alumni requested to organize such training program regularly. They had also shown willingness to pay fees for such training. Mr Kiran Inamdar agreed to provide individual counseling for them.

Bridge Loan:

1) Lend-a-hand-India sanctioned bridge loan to Mr Dinesh Shid (DBRT 2005 batch). He will start his workshop in village Dhasai (Tal Murbad). Dinesh is planning for inauguration on Dassera day.
2) Two students Ms Rajani and Ms Allen from Stanford University on apprenticeship training with LAHI, visited ashram on 10th Sept. They also visited work place of bridge loan recipient Sunder, Kolhe and Dinesh. They prepared report on bridge loan.
3) Following students are in the process of making proposals to start business:
Bhima, Premdas (Goat farming), Ravi Vazare (Photo studio), Mrs Sunita Jadhav (Lather bags), Mr Jadhav (Centering plates), Ram (Fabrication)

IBT school recognition:
1) Addl. Secretary – Vocational Dept asked for proposal to implement IBT in 100 school. Accordingly proposal was submitted.
2) Yogesh Kulkarni met Mr Dilip Walse Patil (Minister of Technical Education) and get his approval on our request letter. He directed Director-Vocational to process the proposal. Accordingly the proposal was processed and in passing through different bureaucratic levels. Hopefully we will get approval by next month. But this will be late for the 6 schools which are appearing for 10th std this year.

ASHA IBT - PLAN 100 Progress:
1) IBT school co-ordinators training program – Co-ordinators training program was held at Pabal from 7th – 9th Sept 07. Total 27 school co-ordinators from 23 schools attended the program. Training of drawing, costing, theory behind practical was given to school co-ordinators. They are expected to conduct 2 IBT periods per week.

2) Yogesh and Vivek visited Amaravati to meet management of Babhali school. There are some issues in conducting IBT program effectively in the school. The issues were mainly due to misunderstanding within the management. After the meeting school management promised to compile all the requirement for IBT center.

3) It was observed that schools are not completely utilizing funds given for practicals (Rs.2000pm). Therefore on experimental basis, we supplied material kits to all IBT schools. We supplied 50 * 6 ft green house shednet, ferro cement tank material for 100lit tank, material for making electrical lights, electronics hobby circuits. A manual was also provided with detailed instructions. We expect each school to have Green house nursery, ferro cement tank and few electrical gadget before Diwali.

4) Suzlon (Wind mill energy company) wanted to start rural development activities in villages where their wind mills are present. It is part of their corporate social responsibility initiative. They selected IBT program as one of the possible intervention in the village. Yogesh and Kailash visited their project villages in Nasik District on 17th and 18th Sept to judge feasibility. IBT process has been started in Paste, Sonambe and Pimpalgaon(Supa) villages. A presentation on IBT was given to their management team on 28th Sept. We are preparing proposal for them.

5) Mr Nimbalkar visited SSC board on 5th and 17th Sept. for reviewing 4th and 5th proof of 10th std IBT teacher’s handbook
6) School visits:
   Yogesh : Mozari (12th), Gawadewadi (16th)
   Omkar : Shindavane, Hingangaon, Mukhai, Nhavara, Manchi hill
   Kailsh : Vikramgad, Shindvane, Bhivadi, Dhamari
   Vishal : Asade, Pachgaon, Rajputwadi, Gawadewadi, Shirur
   Vivek : Mod, Khiroda, Pal, Lohara, Babhali, Mozari

PAC meeting
Program advisory committee meeting was held on 30th Sept. Mr Vijay Kumar, Mr Ashok Kalbag, Mr Sanjay Shembade, Mrs Kalbag and Yogesh Kulkarni were present. Following issues were discussed and decision were taken.
1. It is decided to construct twin dome for guest house as well for ladies hostel.
2. A proposal of ‘Village knowledge center’ for submitting to CAPART was discussed.

FAB LAB:
1) LED bulb sale this month : Rs.4309/-
2) Radium work : Rs.160/-
3) LED manual draft is ready in English and Marathi.
4) Mobile phone charger on cycle dynamo is successfully tested. Similarly hand powered mobile phone is made and tested.
5) Superflux LEDs are ordered from company in Hongkong. A advance payment of $100 was send through TT.
6) As a fab lab project, it was decided to have automatic alarm circuit for VA campus. We want alarm for morning bell, lunch, and breakfast timing. The deadline was extended many times. Finally it was decided to remove present bell w.e.f 1st October. Unfortunately Fab team could not do finish the job within deadline. As decided present practice of giving bell was discontinued and Fab team is given responsibility of giving electric alarm manually.
7) Nilesh completed monowheel cycle drawing. Ten generators are ordered from M/S Pranshu electricals.

DBRT status -
1) DBRT batch completed their first section on 30th Sept.
2) Fodder cutting machine on pedal power made operational. A pump using human energy is made as part of project work.
3) Students completed following projects:
   Agriculture - Taking crops – Mirchi, Wangi, Kardai. Maka is almost ready. Jawar crop is also ready.
   Home and Health – Products from Amla, Making orange, grape juice
   Workshop – Kitchen room extension, Gotha compound, construction of shed.
   Electrical – FM transmitter, 3 phase testing kit, Two wheeler security system
4) Biogas

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<td>27 m³</td>
<td>Dung</td>
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<td>450/-</td>
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5) Poultry short term batch completed their training.
8) Deepak and Chandrakant completed their DBRT course. They joined three months late last year.
9) New Admission: DBRT – 2, Tally – 1, MS Office – 5

**Other Tidbits:**

1) N-logue paid lease line payment to BSNL on 14\textsuperscript{th} Sept. Though the lease line has started. Access center is not yet operational due to problem in the server at n-logue chennai.
2) AQUA website – Questions were asked about Papai, Mirchi, Amla
3) Mr C.M Padit visited ashram on 24\textsuperscript{th} Sept.
4) CD sale – Rs.1425/-
5) Computer repair service to villager – Rs.350/-
6) Temperature Max 32, Min 20, Rainfall: 108mm, Total rainfall: 542 mm water level: 3.6 mtr.
7) Generator usage: 9lits
8) Motor cycle meter Reading: Total 581 km {IAP- 442, IBT – 139}
NIOS –DBRT meeting
National Institute Of Open Schooling(NIOS) appointed expert committee to revise DBRT syllabus and also to write new text books. These books will be written in English and later on translated to other languages. First meeting of expert committee was held on 18\(^{th}\) and 19\(^{th}\) October at IIE. Following members attended the meeting : Mr P.C Chauhan(NIOS Delhi), Mr Ashok Kumar (NIOS Pune), Mr Kumar Kulkarni(Dairy Technology), Mr Prakash Shaha(Electrical), Mr Maruti Bijoor, Mrs Alpana Vijaykumar, Mr Ankush Kale, Mr Omkar Banaeit , Mr Yogesh Kulkarni, Mr Nimblekar. Subject wise chapters were identified and allocated to experts. It was decided that everyone will submit their first draft before Dec’07.

Construction of Dome started:
Construction of 6mtr dome was started on 1\(^{st}\) October. A CPM chart was made and we are expecting to finish the work in 1.5months time. Six students has taken this task as project cum contract basis.

Bridge Loan:
- A loan of Rs.34286/- was given to Mr Dinesh Shid (DBRT 2005 batch) to purchase workshop machinery. He purchased tools on 9\(^{th}\) October and inaugurated his workshop on 21\(^{st}\) October in village Dhasai (Tal Murbad).
- Mrs Sunita Jadhav purchased lather sewing machine and started her bag production.
- Ram chowghule resigned from VA to start his own enterprise in Mangalweda (Dist Solapur). Now he is undergoing one month training with our alumni Mr Deepak shinde.
Fourth Alumni training program was organized on 31st October and 1st November. Mr Kiran Inamdar was facilitator. Total 23 alumni attended the training.

ASHA IBT - PLAN 100 Progress:

1) IBT co-ordinator and Lend-a-hand-India joint review meeting was held on 5th October at LAHI’s office. School wise progress was reviewed. It is decided to install safety related poster in every school. It is also decided to check safety gadgets like goggles, welding screen in each school visit. New community service areas were discussed and we are planning to introduce them in next training program.

2) Schools are graded on different parameters viz. community service, practicals, availability of instructors, tools, building etc. It is decided to upgrade the school by atleast one level in next 3 months.

3) Yogesh visited Belewadi, Rajputwadi and Pachgaon high school on 11th October. The objective of the visit was to review progress of IBT program and solve critical issues.

4) Yogesh visited Gawadewadi school along with Mr Abhay Patil and Mr Sameer shipurkar in connection with shooting documentary for Lend-a-hand-india.

5) Suzlon agreed to sponsor IBT program in 25 schools. Mr Vivek Khojare visited Nandurbar along with Suzlon team from 6th-8th October. Mr Kailash Jadhav and Mr Tatyasaheb Ghanwat visited all 13 schools on 30th Oct – 1st Nov in Dhule-Nandurbar district and discussed IBT program with school management.

6) Omkar visited mantralaya to follow up on School recognition issue. IBT proposal is with state vocational minister for his signature.

7) School visits:
   Omkar : Manchi hill, Mumbai
   Kailsh : Vikramgad, shindvane, Bhivadi, Dhamari
   Vishal : Asade(5th),Gawadewadi (8,9th), shirur (12th), Pachgaon (16th), Belewadi (17th), Rajputwadi (18th, 19th)
   Vivek : Mozari(12th), Babhali(13th), Khiroda (15th), Rozoda (16th), Pal (17th), Mod (18th), Lohara (20th)

8) DBRT in Kerala
   Friends of Tribal Society (FTC) decided to launch DBRT program In Trissure. They purchased 10acres of land for the project and appointed one Engineer Mr Kapil as a co-ordinator of the project. Kapil underwent training at Pabal from 3rd October – 25th October. VA PAC member Mr Vijaykumar is visiting trissure on his personal visit. He agreed to visit site during his visit. A meeting was held with Mr Vijaykumar, Mr Anshuman and Kapil (FTC) on 25th October to discuss the program.

8) Deepgriha visit: A team from Deepgrihan society visited Pabal on 9th October. They are planning to start courses on the line of DBRT and IBT at their project site near Uralikanchan. This was their second visit and discussion is in progress.
9) Nimbalkar visited SSC board on 5th, 10th and 11th October for preparing model question papers.

10) Kailash and Tatyasheb visited Dr Dhavale Trust, Bhopoli (Jawhar) on 12th October to explain IBT program. Trust runs fives schools and interested in implementing the program in their school. They also visited high school in Mokhada where Pragati Pratishthan wants to implement IBT program.

**Staff Matter**
Following staff resigned this month: Mr Nachiket Bhalerao (Agriculture) to start his own enterprise (Kaju Processing), Mr Ram Chowghule to start his workshop, Mr Bhargav Soneji to join his family in agriculture. Nilesh Gugane gave one months notice to pursue his education.
Mr Tatyasheb Ghanwat joined as IBT co-ordinator from 8th October.

**FAB LAB :**
1) www.fablabinnova.blogspot.com
2) Received superflux LEDs from Hongkong. We found LEDs more bright and suitable for lighting.
3) 40 keychains were sold to shops in Pabal.
4) Radium work Rs.40/-
5) LED sale : Rs. 3387/-
6) A new casing for LED lights were purchased from Mumbai market.
7) PCB etching is introduced as activity in DBRT course.
8) Bhargave made anemometer to measure wind speed. Trials are in progress.

**Pedal Power :**
1. Nilesh visited Gujarat along with Mr Kanubhai Kamdar(SBC) from 28th Sept – 5th October. They installed pedal bicycle at following locations:
   i) Munni Seva Ashram school, Goraj ii) Mangal Jeevan Trust, Sendranana iii) Sushil Trust, Neelapar
2. Mr Daneil from Gautemala (Mexico) visited ashram on 10th October. They have made many attachments of pedal power. He gave presentation to DBRT students about work carried out at Gautemala. He showed photo presentation of various attachments. We also showed him work done by us over last year. There are many areas in which we can exchange ideas.
3. Mr Narendra Shah and team from CITARA group at IIT-Pawai visited ashram on 7th October. We discussed various technology based project with the team.
4. Nilesh is working on improving present bicycle. Generator location was shifted from ground position to the top of the wheel.
5. A testing on pedal power pump is in progress. Monowheel cycle is shifted to students hostel. It is much more convenient for them to charge batteries in the hostel.
6. Alternate supplier for PMG genset was identified.
7. Documentation of pedal power in progress.
8. Ten generators received from M/S Pranshu Electricals.
9. Mr Ramesh Panse from Gram Mangal ordered 2 generator set. He send his technician to learn about bicycle fabrication. They made cycle in their workshop at village Aine.

**DBRT status**

1) DBRT students celebrated Kojagiri Poornima on 26th October. Students presented various cultural program in full moon light.
2) DBRT first section exam was held on 1st October. training program completed their first section on 30th Sept.
3) Fodder cutting machine on pedal power made operational. A pump using human energy is made as part of project work.
4) 3537 Kg of Mahua oil cake was purchased at Rs.5.2/- per Kg.
5) Biogas

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<td>114 kg oil cake</td>
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6) Home & Health Instructor from Madaj school visited pabal on 16th October and gave training on ‘Farsan preparation’ to DBRT students.

**Other Tidbits :**

1) CD sale – Rs.2300/-
2) Internet usage by villagers – Rs.160/-
3) Temperature Max 35, Min 21, Total rainfall : 542 mm water level : 4.9 mtr.
4) Generator diesel usage : 44 lits Mechbull : 29 lits Genrator usaged increased due to 12hrs of load shedding.
5) Final reports were send to DST : LED project, World bank and to ADRA.
6) Motor cycle meter Reading : Total 385 km { IAP- 225, IBT – 160}
In this issue

- IBT instructors training program
- DBRT final examination
- DST meeting at Bhubaneshwar
- INDUSA support for VA Lab

IBT Instructors Training
IBT instructors training program was conducted from 15th-20th Nov. Total 73 instructors from 23 schools participated in the program. Boarding and food arrangement was made at Pabal college. Instructors worked on different projects in groups. Now we are expecting them to carry out these projects in their respective schools.

Engineering Section:
1. The Instructors from engineering section made two pedal power cycles.
3. Ferro cement tank has prepared.
4. Engineering drawing is practiced.

Energy and Environment Section:
1. The Instructors prepared coal briquettes from dry biomass.
2. Electronics circuits - DC tube, LEDs, Clapping circuit etc.
3. Dumpy level and plain table survey.

Agricultural and Animal Husbandry Section:
1. The Instructors received practical about poultry farm and vaccination.
2. Instructors prepared small nursery by using sidling tray.

Home and Health:
1. Drying vegetables using solar drier.
2. To test the water whether it is drinkable or not by H2S strip.
3. Hemoglobin tests, soil test of NPK, were practiced.
4. Instructors also prepared toran as a part of embroidery.
5. Guavas jam, cake, jelly and tomato sauce.
We published 8 safety posters for putting it into IBT sections. It was found that many times safety instructions are overlooked by instructors. The concluding session of the program was attended by Mr Abhay Patil (LAHI), Mr G R Kadam, Mr Sanjay Shembade. Mr G R Kadam announced price of Rs.1001/- for the school which will fabricate the best bicycle. Mr Sanjay Shembade announced price of Rs.5001 for the instructor doing maximum community service.

DBRT Examination:
Final NIOS board examination of last years DBRT students was held from 2\textsuperscript{nd} Nov – 7\textsuperscript{th} Nov. As per the new NIOS rule, written examination was held at school other than training center. For Vigyan Ashram, ‘Bhairavnath School, Pabal’ was given as examination center and examination was supervised by the teachers from the school.

DST Meeting
DST group monitoring workshop (GMW) was held at Bhubaneshwar from 14\textsuperscript{th} – 16\textsuperscript{th} Nov. Yogesh presented progress report on our LED based lighting project. Experts committee appreciated the work. We also demonstrated our samples during the workshop.
Yogesh also met our past student Sahil and parents of current student Shravan on the sidelines of the meeting.

Bridge Loan:
- Dinesh opened bank account in Dhasai. Bank manager promised to process his bank proposal under SC/ST scheme.
- Sunder visited Pabal. A detailed discussion about his business and shortcoming was discussed. He was thinking of starting piggery as a side business. He is advised to concentrate on workshop and increase business related to fabrication/construction instead of Animal husbandry.
- Sachin visited Kolhe’s village for monitoring. He was told to maintain bank transactions. The visit was to check the status and he is found to be started maintaining records.
- Ravi Vazare who is willing to start photo studio is undergoing apprenticeship in photo studio.
ASHA IBT - PLAN 100 Progress:

1) Omkar visited Someshwara High School, Domberhalli (Karnataka) on 2nd and 3rd Nov. YUVA member accompanied omkar. The program is progressing well.

2) New School enrollment: Tatyasaheb visited Supa, Hnaga and Pimpalgaon schools on 27th Nov and Paste village on 30th Nov in connection with starting IBT in these schools.

3) Yogesh and Sameer visited Aksharnandan High school. It is decided that VA will help them in conducting small camp to make electronics circuits in the month of Jan08. Meanwhile Aksharnandan, will plan to start regular IBT program from coming academic year.

4) School visits:
   - Kailash: Dhamari(26th), Hingangaon (27th and 28th), Bhivadi (29th, 30th)
   - Vishal: Shindavane(28th), Gawadewadi (26th, 27th)
   - Omkar: Domrenhally (Karnataka)

Staff Matter
Mr Pingale (Diploma in Agriculture) joined as Instructor in Agriculture dept. Mr Hiren Panchal (DBRT) joined Fab Lab Dept.

FAB LAB:

1) www.fablabinnova.blogspot.com
2) A LED manual in Marathi and Hindi is published. It is available for download in report section of www.vigyanashram.com
3) LED sale: Rs. 14767/-
4) Wind Speed Trials: We started keeping log of wind speed at 4 times a day using simple counter and small wheel. By counting number of revolution of the wheel during fix time interval, we are calculating wind speed. Min wind speed is 0.15m/s, Max Wind speed 0.99 m/s.
5) Projects in pipe line –
   - Automatic alarm bell for ashram
   - Fan regulator
   - Siren for wood fire geezer.

Pedal Power:

1. During IBT instructors training program, 10 fabricators were trained in fabricating pedal power cycle. Engineer from M/S Pranshu conducted training on generator and its maintenance. Trainees suggested many
changes in existing design for e.g adjustable generator frame and clamping to give strength to handle. The changes are incorporated and two bicycles are made.

2. Trainees were provided with manual and bicycle drawing so that they can fabricate it on their own.

3. Mobile charger using bicycle dynamo is sold to Modern Technical Institute. They demonstrated it in Agroone Agricultural exhibition.

4. Pump fitted on cycle found to be very useful at ashram. It is regularly used to bring water for construction. Student use it to pump water to the tank kept on Mechbull. It is also used to spray water on Dome plaster.

5. Nilesh Gugane was relieved from services on 30th Nov.

**INDUSA Support to VA**

We submitted proposal to INDUSA endowment fund for starting a ‘Multipurpose Laboratory Training’ Course at Pabal. Idea is to establish ‘Tissue culture lab’ Upgradation of existing rural lab also to upgrade existing green house at Pabal. A nursing training program is planned in collaboration with Dr Deshmukh Hospital in Loni. Total cost of the project is about Rs.10lacs and Mr Kishan Bhatia of INDUSA promised to provide support Rs.5 lacs for infrastructural development. We are thankful to INDUSA for their support.

Mrs Alpana Vijaykumar is helping us in developing the concept. Yogesh, Alpana, Omkar and Anand visited Tissue culture lab at Jnana Prabodhini, Nigadi on 28th Nov to discuss the potential, possibilities and problem in implementation of the idea. The meeting with the lab head Mrs Sangeeta Kulkarni was very helpful and she promised all support in developing the concept.

Yogesh also visited Dr Nagarkar Hospital at Paud and SwaroopWardhini in Pune. Both of them are running nursing training course.

**DBRT status -**

1) Plastering of Dome from inside and outside was completed. The work is in progress and expected to get completed by 15th Dec.

2) Agriculture – Started cutting Maka from the filed.

3) Biogas

Biogas 1 was not functioning this month due to blockage in pipeline. It was repaired.

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<td>45 m^3</td>
<td>750kg dung + 90kg oil cake</td>
<td>-</td>
<td>693/-</td>
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4) One DBRT students Mohak left DBRT course in between. He is from urban background. During six months stay at Pabal, he decided to pursue career in Media.

**Other Tidbits :**

1) Temperature Max 34, Min 21, Total rainfall : 542 mm water level : 5.5 mtr.

2) Generator diesel usage : 30 lits Mechbull : 5 lits
3) Motor cycle meter Reading: Total 524 km  { IAP- 264, IBT – 260}
4) Sanjeevan Gurukul High School, Ratnagiri conducted Winter Camp at Vigyan Ashram from 20th – 26th Nov. DBRT students and instructors teach various skills to the children. They also visited farmers and villagers and also went to stay one night with different village families.

Photo Gallery:

Safety Poster for IBT schools

Dome nearing completion

Safety Poster for IBT schools

Coal briquettes from biomass
Vigyan Ashram Status Report

Volume 25 Issue 12

December 2007

In this issue

• School Principals meeting in Nandurbar
• New blog for fab lab
• Dome construction completed
• VJTI conference on ‘Role of higher educational institution’ is SSA

School meeting at Nandurbar
Vigyan ashram IBT team toured Nandurbar and sakri Taluka in the month of October. We organized meeting of schools interested in joining IBT program on 10th Dec 2007. The meeting was held at Krishi Vigyan Kendra, Nandurbar. Head master and school representatives of twelve schools attended the meeting. Yogesh Kulkarni made presentation, followed by question answer session. In the evening documentary show and discussion about IBT program was organized at Sakri High School. More than 150 teachers and Principals of different school attended the program. We are expecting about ten schools to join IBT program from coming academic year. As part of the process Chairman of the Sakri taluka Education Society and Ex-MLA Mr Jaywant Thakare visited ashram on 21st Dec.

FAB LAB Project:
Following projects get completed this month.

1. Temperate control alarm: We have small wood burned - water heater at ashram. There were always quarrels over hot water among student. Few students take hotter water than other. A project was given to design a temperature alarm. A instrument designed in the lab works on DC power supply and gives alarm if temperature goes up above pre-set temperature.

2. Automatic fan controller: Generally people put fan on full speed at night. As temperature goes down in the morning, they feel cold. They pull up blanket without reducing the fan speed. Automatic fan controller reduces the speed of fan with time.

3. Automatic morning Alarm for Vigyan Ashram: We made automatic siren for Ashram campus in the lab. It rings at pre set time.
The projects and their circuits are available on the Fab Lab blog: fabinnova.india.googlepages.com

Bridge Loan:
- Sachin visited Ram chowgule on 15th Dec. to see the site of his project. Ram constructed shed for workshop and also started tire puncture activity from 31st Dec. He is waiting for the bridge loan.
- Sachin met Bank Manager of Dhasai in connection with the loan proposal of Dinesh. Bank Manager promised to process the proposal under tribal scheme.
- Mr Suresh Jadhav and Suneeta Jadhav submitted proposal for bridge loan. It is under consideration.
- Dhamari School organized their IBT alumni meeting on 6th Dec. Total 17 alumni attended the meeting. Training needs, expectations of alumni were discussed. Information about bridge loan was given.

ASHA IBT - PLAN 100 Progress:
1) A meeting between Mr Hariwal, Vikramgad High School, LAHI and Vigyan ashram was held on 28th Dec at Vikramgad. Several operational issues were discussed during the meeting. Decision on construction of new room for IBT was taken and need of separate person for IBT on Harit farm was discussed.
2) Yogesh and Kailash attended meeting of Five school principals organized by Dhawale Trust at Bhopoli (Vikramgad)
3) A group of NRI on Bharat Yatra visited ashram on 25th Dec. Group includes Mr Kishan Bhatia, Mrs Sunanda Mane, Mr Joshi and Mr RamNarayanan. A detailed presentation on PLAN100 project was given to the group.

4) Following schools made pedal power bicycle with the help of students – Gawadewadi, Pachgaon, Khiroda, Manchi hill, Chikhalgaon

5) School visits:
   - Kailash: Dhamari, Hingangaon, Shivkar, Salumbre, Shindavane, Vikramgad
   - Vishal: Pachgaon (4th), Belewadi (5th), Rajputwadi (6th), Shirur (8th), Asade (15th), Gawadewadi (18th)
   - Omkar: Manchihill (1st), Dhamari (6th), Mozari (7th), Babhali (8th), Khiroda (11th), Pal (12th), Lohara (13th), Mod (14th)

6) Omkar visited Mantralaya on 18th to follow up on PLAN100 proposal.

7) A article written by Omkar on our SSA program got published in ‘Jeevan Shikhsan’ magazine.

8) Nimbalkar visited SSC board – Nasik divisional office for IBT paper setting.

9) HM and teachers of Gadinglaj School visited ashram as part of process to join IBT program.

10) Tatyasheb visited school in village ‘Rihe’ for meeting on starting IBT.

**DBRT status -**

1) Dome construction completed on 15th Dec. It was inaugurated at the hands of Amma on 16th Dec.

2) Nine students passed NIOS - DBRT examination held in Nov 07.

3) We submitted application to get recognition for ‘Welder-cum-fabricator’ course from Directorate of Vocational Education

4) All students visited Kisan Agricultural Exhibition at Pune on 14th Dec. They also visited Alandi on their return.

5) We changed electrical cable to three-core cable from electric meter to fab lab.

6) Students done on-site repairing of diesel engine at Kanersar.

7) Gauri cow delivered (Gorha) male kid on 3rd Dec and Soni delivered female kid (kalwad) on 8th Dec.
8) Biogas

<table>
<thead>
<tr>
<th>Biogas</th>
<th>Total gas</th>
<th>Feed</th>
<th>Qty</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biogas 1</td>
<td>9 m^3</td>
<td>Dung + oil cake</td>
<td>192kg + 30 kg</td>
<td>204/-</td>
</tr>
<tr>
<td>Biogas 2</td>
<td>45 m^3</td>
<td>dung + oil cake</td>
<td>532kg + 180 kg</td>
<td>936/-</td>
</tr>
</tbody>
</table>

**Other Tidbits:**
1) Temperature Max 34, Min 11, Total rainfall: 542 mm water level: 5.2 mtr.
2) Generator diesel usage: 35 lits, Mechbull: 5 lits, Generator: 30 lits
3) Motor cycle meter Reading: Total 210 km {IAP-190, IBT-20}
4) New admission: MS Office: 3, Tally: 2
5) CD sale: Rs.2000/-, Internet use: Rs.135/-
6) LED sale: Rs. 4025/-
7) Yogesh gave invited talk on ‘Taking education to the doorstep of nomads’ in International conference on ‘Role of higher education institution in universalization of primary education’ organized by VJTI, Mumbai on 21st Dec.
8) Anand attended seminar on pedal power organized by CITARA, IIT, Pawai on 6th Dec.
9) Yogesh met Kanu Kamdar on 21st Dec to discuss various issues related to pedal power project.
10) Yogesh attended following meeting:
   i) Advisory committee meeting of Lokmanya Shikshan sanstha, chikhalaon on 15th Dec in Pune.
   ii) Board of Directors meeting of Agrocom Pvt Ltd. at IIT, Mumbai on 7th Dec.
   iii) Chief guest for Inauguration of students science project competition organized by Rotary club, IAPT and Muktangan on 15th Dec.
In this issue

- Bridge loan – New Enterprises
- LAHI - Plan 100 meetings
- Medicinal plant nursery at ashram
- PAC meeting on 17th Jan

Bridge Loan – New Enterprises

1) Lend-a-hand-India sponsored bridge loan (Rs.44000/-) is given to our alumni (2005-06 batch) Ram Chowghule. He started his fabrication cum tyre puncture shop in Mangalweda (Dist Solapur). Ram along with Mr Anand Gosavi and Sachin Chavan purchased all required tools and machinery from Pune on 30th Jan.

2) A loan of Rs.25000/- is given to Mr Suresh Chowdhary on 21st Jan to purchase centering plate. He is in construction business and need these plates for slab construction.

3) A loan of Rs.15000/- is given to Mrs Sunita Jadhav on 21st Jan to setup her leather bag manufacturing and selling shop at Pabal. She started her shop in Pabal near bus stand.

Mr Suresh Jadhav, Mrs Sunita, Mr Kailash Jadhav and Mr Laxman Jadhav formed a SSKL entrepreneurs group on the line of Self-help group. Mr Kailash and Mr Laxman also wanted loan, they will get it after first two repaid the loan.

Mrs Kalbag (amma) donated Rs 40000/- to fund loan for this group.

Sachin Chavan attended 15days ‘Faculty Development program on Enterprise Development’ organized by MITCON from 14th Jan – 25th Jan.

LAHI - PLAN 100 meeting

1) A quarterly progress review meeting of IBT co-ordinator was held at Lend-a-hand-India's office on 18th Jan. Mrs Sunanda Mane (President of LAHI) and Mr Abhay Patil (Executive Director, LAHI) were present. VA school co-ordinator made presentation of IBT program in each school. Various issues related to IBT program were discussed.

2) A operational meeting with LAHI was held on 24th Jan. Yogesh Kulkarni, Sunanda Mane and Abhay Patil were present.

3) Mr Abhay Patil visited Khiroda, Pal and Lohara School on 14th Jan.

PAC meeting of Vigyan Ashram

PAC meeting of VA was held on 17th Jan at Pabal. Dr Waghmare, Dr Gowarikar, Mr Sunil Kulkarni, Mrs Kalbag and Yogesh Kulkarni attended the meeting.

Proposal for multipurpose laboratory (Through the funding of Mr kishan Bhatia) was discussed in details. It was decided to concentrate on following ideas:

1) Greenhouse and polyhouse training and demonstration at ashram

2) Setting up of a certified horticultural nursery at Pabal.
3) Establishing medicinal plant nursery at Pabal. Nursing training will be undertaken in collaboration with Dr Deshmukh hospital. It was decided to postpone setting up of tissue culture lab at present. Mr Ashok Kalbag and Mr Vijay Kumar visited ashram on 13th Jan since they could not attend meeting on 17th Jan.

Asha IBT – PLAN 100 projects:

1) From the reports received from 17 schools, total value of community service given by schools from July – Dec’07 is Rs. 3,06,156/-.

2) Yogesh visited Mantralaya on 10th Jan and met Mrs Seema Dhamdhere (Jt Secretary, Vocational Dept). She promised to expedite the decision on permission request of IBT School at the earliest.

3) Omkar visited Domaranhally (Karnataka) on 24th – 26th Jan.

4) Following schools were visited this month:
   Omkar : Manchihill(5th), Khiroda(7th), Lohara & Udhari(8th), Pal(9th), Mod(10th), Babhali(11th), Mozari(12th), Domaranhally(23rd 27th)
   Kailash : Dhamari, Shivkar, Salumbre, Shindavane, Vikramgad, Chikhalgaon, Bhivadi, Mangaon

5) Kits of LED bulbs and water testing kits were sent to all schools.

6) Vivekanand Kendra, Pimpalad started their own program based on our philosophy of ‘community service and learning while doing’. They started with agricultural, animal husbandry and electrical training.

7) Alumni meeting of Nhayara IBT were conducted on 31th Jan. Yogesh and Mr Abhay Patil attended the meeting. Various issues related to IBT implementation were discussed with HM of the school. He promised to provide full day for IBT, proper room and ask school teacher to conduct theory and drawing periods.

Suzlon IBT project:

1) Total seven schools in Dhule and Nandurbar passed resolution to start IBT program, accepting our terms and conditions.

2) Follow up was made with other schools.

3) Yogesh visited Pimpalgaon school to discuss IBT program on 8th Jan

4) Mr Padawal is appointed as co-ordinator and Mr Hussain is appointed as Instructor for Suzlon project.

DBRT Progress:

1) 300 medicinal plants are brought from NGO ‘Rural communes’. We started our medicinal plant nursery project. (INDUSA)

2) Anand Bhave, Mumbai visited ashram on 10th and 11th Jan. He conducted
workshop on origami for our students.

3) 26th Jan ‘Republic day’ was celebrated with usual enthusiasm. After flag hosting, students performed various cultural programs, followed by various competitions.

4) Anand Gosavi attended NIOS co-ordinators meeting in Pune on 12th Jan.

5) All staff and students did ‘Shramdaan’ on 25th Jan. We build small dam for rainwater harvesting on the hill.

6) Two students from Dhamapur DBRT center undergone training for 15days in VA.

7) Biogas:

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<tr>
<th>Biogas</th>
<th>Total gas</th>
<th>Feed</th>
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<th>Amount</th>
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<tbody>
<tr>
<td>Biogas 1</td>
<td>11.75 m^3</td>
<td>Dung</td>
<td>450 kg</td>
<td>225/-</td>
</tr>
<tr>
<td>Biogas 2</td>
<td>67.62 m^3</td>
<td>Dung 10 + oil cake 6</td>
<td>300 kg + 180 kg</td>
<td>1086/-</td>
</tr>
</tbody>
</table>

Yogesh visited distributor of Kohler genset on 23rd Jan along with Anshuman and Prasad Kulkarni. Kohler is making biogas genset. We saw demonstration of it. Price of the genset is relatively high but it is compact and makes very little noise.

8) Biogas connection is given to food lab.

9) Agriculture Dept. produced 83 Kg Jawar and 24 Papaya. The produce was given to kitchen.

Other Tid bits:

1) Mr Vinay Pawar of IIM-Indore visited ashram from 3rd Jan- 9th Jan, to study VA program. This was a part of his curricular exercise.

2) Admissions : Tally – 2 students , MS Office – 6 students

3) Diesel consumption : Total 70lits , Generator – 30lit, Mechbull – 20lits, Balance : 20lits

4) Min Temp – 70C, Max Temp – 22 0C

5) Well water level – 5.8 mtrs

6) Motorcycle : 194kms, IBT – 18kms, IAP : 176kms

7) Electricity bill (Dec 07) : Rs.3530/-

8) We prepared a map of electrical dome and workshop and got it certified from architect Mr Makarand Godbole. This was required to fulfill requirement of Directorate of Vocational Dept for recognition of fabricator course.

9) IIE auditor visited ashram on 8th Jan, account audit of last financial year was finalized.

10) Mr Sanjay Nimbalkar was relieved from duties on 14th Jan. Responsibility of account dept is handed over to Mr Deepak Adak.

11) A group of students from Kashmir visited ashram on 1st Jan. Visit was organized by Jnana Prabodhini. Similarly a group from Melghat visited ashram on 17th Jan. The visit was organized by Melghat Mitra.

12) A visit of candidates who had passed UPSC mains exam and appearing for UPSC interview was organized by JP UPSC training center on 25th Jan.
In this issue

- Workshop of Vigyan ashram and Lend-a-hand-India team members
- Exhibition in Pune and khodad
- DBRT bicycle tour
- Asha for Education, Pune chapter visit to Vigyan ashram

Workshop of VA and LAHI team members

One day workshop to create common understanding about the vision of Vigyan Ashram and its concept of RDES (Rurul Development through Education System) amongst the implementers of its program was organized at Village Rihe. On 27th Feb. Ms Shilpa Ballal facilitated the discussion.

A detailed discussion on VA philosophy, its vision and mission was held. At the end of the day a vision statement of Vigyan ashram is made, it states ‘कार्यकर्त्ता शिक्षणात्मक वैद्यनिक दृष्टीकोण असलेल्या विकासाच्या संपूर्ण सामाजिक काम धरणे ’

i.e ‘To strive for development oriented society having scientific temper through work centric education’.

A mission statement of Vigyan ashram, its program, log frame for its implementation. SWOT analysis of VA was discussed during the workshop.

LAHI - PLAN 100 meeting

A meeting with LAHI was held on 25<sup>th</sup> Feb to discuss various issues regarding PLAN100. Mrs Sunanda Mane, Mr Raj Gilda, Mr Abhay Patil (LAHI) and Yogesh Kulkarni attended the meeting. Following things were agreed –

1. To start IBT in 20 more school from June 08. Capital cost to be born by school and recurring expenses for first 3 years by LAHI.
2. To provide financial support for deserving old IBT schools under Plan100.
3. To finalize web-based monitoring system. New report formats will be made available in the Principals meeting in April 08. To identify a person at VA for monitoring system.
4. To start IBT in 8<sup>th</sup> and 9<sup>th</sup> std in the first year and then 10<sup>th</sup> std in next year.

4. To develop a brochure for PLAN100

Exhibition

Vigyan ashram participated in the following exhibitions this month;

1) “Shikshan ..Navya Disha” { Education.. new Directions } was organized by Gram Mangal at Ganesh Kala Krida Manch from 28<sup>th</sup> Feb – 2<sup>nd</sup> March. We displayed exhibits on our philosophy of ‘Work Centric Education’. Many schools, parents visited our stall and inquired about IBT and Plan100 project. Lend-a-Hand-India sponsored the cost of the stall. We also kept our books and Cds for sale and sold material worth Rs.17500/-
2) GMRT- Khodad: A science exhibition was organized at Khodad by GMRT on occasion of science day on 28th and 29th Feb. We exhibited various science project viz. LEDs, Pedal power pump etc in the exhibition. GMRT sponsored the cost of transport as well as stall of Vigyan ashram.

DBRT bicycle tour
DBRT students (28nos) and two staff members went for bicycle picnic on 22nd and 23rd Feb. They visited Lenyadri, Ozar, Shivneri and also visited Narayangaon goat farm (RAIN), Bhagyashee milk processing center during their tour. Total distance covered was 193 Kms.

Asha IBT – PLAN 100 (Lend-a-hand-India) projects:
1) Sakaal – LAHI Partnership: A MOU between LAHI and Sakaal was signed on 5th Feb at Marratha chamber of Commerce to promote Plan100 program through Sakaal newspaper. Mr Prataprao Pawar, Mr Yamaji Malkar (Editor –Sakaal), Mr Prashant Kothadia (Sakaal social foundation), Mrs Sunanda Mane (LAHI), Mr Nishikant Bhalerao (Editor-AgroOne) were present on the occasion. A day long workshop of Sakaal reporters of Pune District and IBT school principals was held. Local reporter of Sakaal will represent in the every IBT school committee and help in documenting the success stories.
2) Ramakant Padwal joined as a IBT co-ordinator for Suzlon IBT schools.
3) School visits
   Omkar – Lohara (8th), Pal,Khiroda (9th), Madaj, Gunjoti (12th), Gubal (13th), Naldurg (14th),
   Kailash / Ramakant : Sakri Suzlon sponsored 7 Schools – 12th – 14th Feb, shindavane (6th Feb), Pabal (8th), Nhavara (11th), chikhalgaon (28 -1 Feb)
4) Ramakant is working with Mr Prakash Shah to complete ‘Electrical’ book for DBRT in English (NIOS project).
5) New Schools:
   i) Kendur, Karandi, Sangisi school visited Vigyan ashram to learn more about IBT
ii) Three schools from Ambejogai and one school from Jalgaon send demand draft for registration

iii) Rahuri, dongargan, Domri school send letter of their interest in joining IBT program

**DBRT Progress:**

1) ASHA Pune Chapter volunteers visited ashram on 10\textsuperscript{th} Feb. Asha for education is funding DBRT staff’s salary and this visit is part of their six monthly review and monitoring visit.

2) INDUSA Fund :- We purchased 270 bamboos for Rs.5500/-. A nursery is under construction behind LSP room. Two tractors of soil was purchased and laid inside the nursery.

3) Following medicinal plants planted in nursery – पान फूटी. लंडी पिपली. पान ओवा. बसूँ. केक्रड. कोस्ट कुलिन. गवती चहा. पुदीना. जापनीज मेंट. अडूंगी

4) Mr Pingale gave Yoga demonstration cum training on 20\textsuperscript{th} and 21\textsuperscript{st} Feb. Some of the Yoga exercises and Pranayaam included in our morning exercise.

5) Pabal Yatra : DBRT students put food stall as well Sugar cane juice stall in Pabal Yatra. Sugarcane juice sale : 1900/-

6) Biogas :

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<tr>
<td>Biogas 1</td>
<td>11 m³</td>
<td>Dung</td>
<td>505 kg</td>
<td>151/-</td>
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<tr>
<td>Biogas 2</td>
<td>68 m³</td>
<td>Dung 10 + oil cake 6</td>
<td>330 kg + 174 kg</td>
<td>99/- + 905/- = 1004/-</td>
</tr>
</tbody>
</table>

7) New Dome Progress : Work of new dome is in progress. Plastering work completed.

8) Improving facilities of ashram : Under LAHI supported work, pending work of changing table tops and repair of benches was carried out. White wash colour is given to all domes. Waterproof solution is applied to electrical section dome.

9) A disciplinary action is taken on one DBRT student and he is suspended for a month from the course.
Other Tid bits:
1) Admissions : Tally – 4 students, MS Office – 5 students
2) Diesel consumption : Total 68 lits, Generator – 28 lits, Mechbull – 14 lits, Balance : 26 lits
3) Min Temp – 7 °C, Max Temp – 34 °C
4) Well water level – 5.29 mtrs
5) Motorcycle : 410 kms, IBT – 5 kms, IAP : 405 kms
6) Electricity bill (jan 08) : Rs.4290/- (1198 units)
7) LED lights sale : Rs.10517/-

Staff Matters:
8) New Staff : Advertise was given in the daily Lokmat and walk-in-Interviews were organized on 3rd – 5th Feb at Pabal for the post of Mechanical Engineer, Electronics Engineer and Agriculture Supervisor. Mr Manchare is appointed as co-ordinator for Pedal power project.
9) Mr Omkar Banait is given a staff family quarter on VA campus.
10) A performance appraisal of all staff was completed and payments are revised accordingly.

(Work of Vigyan ashram is supported by many institutions and individuals. Main funding agencies are Asha for Education, AID, DST, Lend-a-hand-India, INDUSA, World bank… etc We are thankful to them for their support)

Photo Gallery:

Mr Prataprao Pawar during Sakaal – LAHI- IBT partnership program
Visit of Asha for Education, Pune chapter