Appendix-I

Field Visits

Visits to Gandhi ashrams and other places revealed how Gandhian philosophy is brought to practice which takes care of environment:

1. Place of visit: Shri D. R. Sathe, Ratnagiri
   Date of visit: 3-10-09
   The premises are clean and well maintained by a family. Various types of vegetables and horticultural plantations are grown. Goober gas produced from kitchen waste and farm yard manure is used for cooking. There is lot of saving in gas cylinders. Drip irrigation is used for watering plants to save water.

2. Place of Visit: Keshav Shrusti, Bhainder, Thane.
   Date of visit: 26-10-2009
   The area is unpolluted, clean and lush green. There are verities of trees Different types of vegetable, cereals and fruit bearing tree. There are ayurvedic plantations grown. There is for manufacturing unit of ayurvedic medicines. The unit is well equipped and machineries used are small scale environmental friendly. Cow milk, vegetables, fruits are sold in campus and extra is sold in near by village and in city. This is as per Gandhain principle. The cow dung, dung slurry and vermin-compost used as bio-compost for agricultural, horticulture and other plantations in the premises. Cow urine is used as insect repellent. Gandhiji’s principle of ahimsa is observed. Thus, cow milk, urine and dung are used to fullest extent. The bullock Energy is used for farming. There is small Research and development unit in the premises. There is agricultural college in the premises. There is artificial pond of 1 km. diameter the water filling system is natural. Hence there is no water scarcity even in summer. All above activities are based on Gandhian principle like organic farming, clean well maintained place, use of non polluting machinery, education. So, there is unique blending of ancient and modern technology.

3. Place of Visit: Baif, Urlicanchan, Pune.
There is Cattle insemination unit with quarantine facility. Latest Cryogenic equipment technique is used for producing lower temperature. There is also well equipped Research and Development Unit.

Self Help Groups of women are formed. These groups are given training for self employment. It helps them to start their own business like spinning, craft, grain hand grinding. The stone hand grinding machine is used with ball bearing for easy rotations and no electricity is used. The premises are well maintained and lush green.

There is sericulture and poly house unit in the premises. There is cattle feed processing unit. The machineries used are simple and environmental friendly. Main raw material used is millets and maize grown in the premises. The cow dung in vermin-compost is used for cultivation. It is job intensive organisation.

4. Place of Visit: Maharashtra nature’s park, Mumbai.

Date of visit: 16-11-2009

About 20 years back it was a dumping and marshy place. It is changed into well maintained garden with verities of plantations in Dharavi, Mumbai. The MMRDA and BMC are jointly maintaining the park. There is Vermi-compost manufacturing unit by using Farm Yard Manure on regular basis. Electricity generated by using solar energy. There is artificial lake which caters the water need of park.

5. Place of Visit: Gandhi Ashram, Sabarmati, Ahmadabad

Date of visit: 23 and 24-11-2009

Ashram area is clean and properly sanitised. In the there is library having about 30,000 books, book selling centre, museum, Manav Seva Kendra (service to mankind), Gandhi’s Dwelling place, Training Centre. The qualified young doctors have offered their candidature for honorary services in the ashram. Ashram is not a place of recreation or rest but is a place of performance and discharge of day to day duty. In Manav Seva Kendra boys and girls from slums are given basic education, vocational and skilled training in computer, embroidery, sewing, craft, painting, screen printing etc. The boys and girls are paid for their jobs. It earns and learns system.

Environmental Sanitation Institute (Safai Institute) – It is NGO that strives to
provide a better quality of life to rural people and urban poor through improved sanitation and arranges training courses. It constructs different types of toilets where there is less water utility that is 1.5 litres which is sufficient for fast draining the human waste. It is scientifically constructed. In normal toilet about 10 lifters water is consumed. So it is water conservation. Importance of natural resources is once again underlined.

Moreover, waste is collected in a pit and converted into organic manure with 8 days. It is used as organic manure. Urine collected separately is used as natural pest repellent So, Gandhiji’s principle ahimsa is observed.

Further, Goober gas produced is used for cooking, electricity production for lighting electric bulbs. Besides, solar energy is used for heating water (heater). Khadi Gramodyog Solar Energy Division – This division Manufacture box type solar cooker. The price is affordable. Thus, renewable source of energy is used instead of non-renewable sources as desired by Gandhi. Gujarat Khadi Gramodyag Mandal manufactures following products without any harm to environment, conservation of energy, clean premises, lush green area, various types of flora and fauna.

Khadi manufacturing unit- Hand operated machineries are used for threading weaving etc. These machineries are easy to operate and portable with handle, pulley and dynamo battery. When handle is rotated dynamo battery is charged which can be used for charging battery mobile other electrical appliances. So there is saving in electricity. Bath soap is manufactured mostly with nature oils, neem etc. Fuel ued is dried twigs/waste wood and coal formed can be reused as fuel. No use of electricity.

Handmade paper is manufactured from rags and not from wood pulp. Quality of paper is good. Paper is tough. The scrap paper can be used for packing. In Furniture manufacturing unit, furniture is manufacture from discarded wood and pulp. Til oil – Black and white is manufactured in Ghana in traditional way with minimum electricity consumption and it is pure. So, industries are small scale industries. The machineries used are simple, energy saver and waste generated is residual waste which is reused. Industries are job intensive.

Date of visit: 19-12-2009

Village received following types of awards for village self sufficiency:
Adarsha Gaon Yojana-1995-Government of Maharashtra;
Following activities in Village are live examples which show that how Gandhian philosophy could be brought into practices with proper planning and determination.

1. In village there is small feed processing unit manufacturing cattle feed.
2. Milk Co-operative Dairy- Raw milk collection 5000 liters per day against 200 litres.
3. Compost and vermi compost production.
4. Minimum use of chemical pesticide. Natural pesticides are used.
5. Human Urine collected in pits used as pest repellent.
6. Well maintained primary and secondary educational institute.
7. The street lights are lit by using solar energy on trial basis.
8. Biogas is used in every house in Village. It is 95% gas cylinder free village.
9. Water harvesting conservation by individual and village. There are about 294 wells in villages as against 60 wells. There is ample of water which will last long for two years even if there is no rain.
10. The water is cleaned on individual level by using chlorates and liquid chorine.
11. No defecation in village. Penalty is Rs. 200/= and cash price of Rs. 100/= paid by gram panchayat to the informer.
12. Village is clean and green. All village hills and hillocks are green by social forestation.
13. In schools water tanks are filled by use of seesaw with the help of mechanical device. It is saving of electricity and work while play.
14. Hiware Bazar is drought prone area. Gram Sabha of village has sold water problem through water management programme. If rain is 100 mm. than drinking water is solved. So priority is given to house hold water sully. If rain is 200 mm then kharip crops are taken and if it s 300 mm rabbi and horticulture is given priority. If more than 300 mm. then summer crops are taken.
15. Thus with planning, efforts and determination Hiware bazaar in Ahmadnager district has changed into green oasis. The visits to above places realised that Gandhian principles are brought into practice at the above places knowingly or unknowingly.
taking care of the environment

7. Place of Visit: Ohm Malti Tapovan, Maisal, Miraj
Date of visit: 10-1-2010

It is like Gandhian ashram. It is not a place for rest. The people in ashram are working with discipline and in co-ordination carrying out day to day activities. There is division of labour according the capacity of the person. The activities include spiritual, making food, horticulture, sanitation, maintenance of cleanliness, primary health care centre, periodic education and library work. Thus, it compares well with activities Gandhian ashrams.