

12. Summary and Conclusion of the study

(1) Primary Knowledge of Energy Sources (Non Renewable & Renewable): The Primary Knowledge of Energy Sources (Non Renewable & Renewable) is good but very few out of them are visited solar park. They have less practical and applied knowledge of solar energy which are use at the domestic level. Very few of them are know that the study of solar energy is in which standard now a day and less knowledge of the production of electricity reaches at our home is in which way generated.

(2) User of solar energy devices in present time: Overall only 25% are use solar energy equipments like solar water heater, solar light which are provided by Government in form of street light. Very few of them are use Solar Cooker. Overall 75% families are not use Solar Energy Equipments. Mostly out of them are in passive condition. We should encourage them by showing module of Solar Cooker, power point presentation, pamphlets, magazines, Etc. Suggest to Government to plant more and more Solar Street lights in active condition and take care behind it.

(3) Habits (Attitude): 67% families have good habit for saving energy and 33% have not. 33% families are not mind it and live their own style.

(4) Believe: Most of think positive to use solar energy as a one option of price rise and so we should motivate them and provide necessary information, facilities, guidance, financial support etc.

(5) Financial aid, Information, Motivation, etc for use of Solar Equipments: The information regarding Solar devices which are use at the domestic level in rural area from Government, private institute, Gram panchayat are not enough. So they are not known that at which place we get solar equipments and solar devices. So we should encourage and motivate them for more and more to use of renewable energy sources.

(6) Problems: Average graph of this section show that there is no problem of natural light at home. There are problems of more electricity bill, fuel bill for cooking, more transportation expenditure because of price rise of non renewable energy sources like petrol, diesel, CNG gas, etc. And so they have problem with price rise of vegetable.

Almost all are believe that we use less Renewable Energy Sources which are easily available around us.

Reason:

- There is greenery in this rural area so that people use wasted wood and Animal dung for cooking and heating water. However according to my survey approximately 60% family use LPG gas for cooking. But should be motivate them to use renewable energy sources. When I go to Khadi Gramudhyog Prayog Samiti, Gandhi Ashram, Sabarmati, Ahmedabad for the purchase of solar cooker, the manufacturer say that we sold approximately 6000 unit per year and mainly people come from shaurashtra region because of less greenery and problems of agriculture water compare to the Madhya Gujarat.

Final Summary:-

- Negative factors vanished from Primary knowledge of part A & B and it is improving with marginally factor.
- Users of solar energy equipments are improving but it need more improvement. Its take time and it is continuously process it is not improve in short time.
- Habits & Believe factor are almost totally change in positive attitude.
- Financial aid, Information, Motivation, etc for use of Solar Equipments improving fast but there still less because government remove subsidy from solar equipments like solar cooker and make it no profit no loss category and people are not accept it easily. But Information, Motivation part is improved. There should more Information and Motivation required from government side.
- Now a less problem because of inflation and fuel price is law then some time before. It is also take some time for accept of reality situation of burning problem of **no more** Non- Renewable Energy Sources. However mostly people believe that we use less Renewable Energy Sources which are easily available around us.
- So I satisfy from result of my project and in the future please look forward to do some supplementary research work like this.



13. CONTRIBUTION TO THE SOCIETY

The human population has crossed the 7 billion mark and expected to be 9.5 billion or more in the next 30 years. Science has added several gadgets in our day to day life thereby increasing our energy demand. This multiple effect has created stress on existing energy power sources. There is added threat of fast depleting energy sources like coal and natural gas. In the last two decades there has been a lot said about need of alternate energy sources. We have to change the focus of our efforts in developing only large capacity power sources and probably integrate decentralized stand alone energy sources for local requirements.

Mahatma Gandhi's vision for a developed India suggested a system of self-sufficient communities sustaining their needs from the local environment. Sixty five years on, his vision of Swadeshi (self-sufficiency) for India is perhaps more urgent than ever.

There is a strong feeling that people in general are not at all aware of this situation. Administrators are aware but the problem has gone beyond their control. Let us then start objectively in identifying the correct problems, look for the appropriate solutions and create a strong will and develop a road map to implement such measures which will be acceptable.

There are many energy sources that are scarce in supply. Some of these sources include oil, natural gas, and coal etc. It is a matter of time before they will be exhausted. In an effort to find alternative forms of energy, the world has turned to renewable energy sources as the solution. There are many advantages of using environment friendly renewable energy sources.

They are a clean energy sources, as they are not harmful to the nature, and they don't contribute to global warming or greenhouse effects. As these sources are natural the cost of operations is less. The one time setup cost of such plants may be higher than the traditional available energy resources but one can recover their invested money very fast as such energy source equipments require less maintenance.



14. It should be done

- Student learn about renewable energy in up to 10th standard so it is not forward continuously in students mind so they forget about this. So it should be continuous in the syllabus at list under graduate level.
- I had been many problem of finding books & journals on the subject of this field. Books & materials are not easily available. So my suggestion to the books publishers and government that if we promote renewable energy sources and people use it more and more and so we minimize energy crises problems, we should do well in publications.
- Very few university offer graduate and master degree in renewable energy like PDPU but it should be offer from all universities.
- It should be one subsidiary paper at under graduate level.
- It should provide all renewable modules (like our college) to all school and colleges.
- There is lack of information in all Gram Panchayat of study area, from where to buy solar equipments. So Government should provide necessary information to them.
- There should be make compulsory that at least one solar panel mounted in all family's homes.
- I give below mention save energy tips to the all peoples and my co-worker also.
 1. Switch off all lights, fans, plugs whenever no one is in the room or office.
 2. The power consumption of Ac, Coolers, etc like that is high, these need not run throughout the all time if whether permit.
 3. Switch off T.V. Computers when not in use.
 4. Switch over to CFL in lieu of ordinary tube light and bulbs.
 5. Use natural light as much as possible and switch off artificial light.
 6. Do not use excess lighting and power gadgets.
 7. Avoid using decorative light during celebration events.
 8. Switch off all lights and fans points when going away from working premises.

