



Editorial on Entropy Management

It is possible economically to reduce the ever-rising entropy (disorderliness) of the nature. UNO will do something about it. Do not be panicky. Do not spread panic. Be prepared for the worst and hope for the best. Let us bloom like the lotus flowers in the muddy waters and the wild nature. Be optimistic and original. The brave and intelligent nations are the lucky nations. The nature does not allow excess of anything. The nature punishes the excessively cruel or cheating persons automatically. Various schools of thoughts need to be simplified and then integrated to reduce confusions in the minds of people. The nature is a Nano-Architect. Bless of God is the root cause of smiles on our faces. Hence, the modern scientist and engineers are performing the engineering miracles. The children of poor people are builders of their nations due to their hard works and talents. The belief of modern scientist is that they together will rule very slowly over the universe, due to their brain powers in the future. Their creative intelligence is bound to be successful. The nature follows the path of least work. It does not mean laziness in lives but the way to the highest efficiency. Hence, meritocracy is better than democracy in the creative societies. The nature first creates chaos and then recreates harmony like the spring seasons after summer seasons. Societies are self-correcting.

The people must now learn to buy less and reduce waste. Simple living and high thinking is the need of the time. We should use the artificial technologies, clothes, foods, drinks and medicines etc. with minimum side effects. All the living species are minimizing the use of the heat energy except in very cold regions, for survival. So inspire bio-technology. Ensure ecologically sound development of the nations. Quality costs money.

Entropy must be minimized. Progressive planning should be done to reduce entropy (disorderliness) in the environment. Reduce cause of the global warming rapidly. Thus entropy monitoring must be done globally. Please use low-entropy technologies and avoid using high entropy technologies which uses heat energy. Only low-entropy technologies are sustainable due to least side effects.

Science and technology should influence the policies of all government. The people should listen to the wise persons. Underground infrastructures are needed under the mega cities for their efficient functioning during space wars and the natural disasters. Underground tunnel drainage net works are needed below cities to drain rain water or flood waters. Underground metro is the life line of a city. But geo-parks and ecosystems should be preserved. Please do not pollute rivers, underground water, earth, air and minds of the people. Purify our thoughts. The healthy thoughts will heal the sick thoughts but slowly. The transportation tunnels should be made under traffic-jam areas. The sustainable development in the hilly areas must not destabilize the whole slope of mountains. The natural drainage systems must not be blocked. The cost of constructions may be reduced drastically by using the indigenous technologies without sacrificing the quality. The

underground space cities are going to be the future choice of engineers. The era of sky scrappers (high rise buildings) is coming in the mega-cities. Do not inspire greed in the entire Himalaya to save its mesmerizing mountain ecosystem. Yet the poverty of hill people must be removed. Ionized oxygen in the morning at mountain tops rejuvenates people instantly.

Convert the waste into the wealth and energy. Plastic waste has been converted into the diesel by CSIR-IIP, Dehradun. Cleanliness is godliness. Self purification is the law of the nature to some extent. Do not dump all waste into the oceans to pressure their marine ecosystems. The conservation of energy and drinking water is essential. Environmental cleaning has to be made the most profitable business to become a reality. Dump CO_2 underground, as recycling is the slow law of the nature. Aeration will purify rivers, lakes and the dam reservoirs. Nuclear waste has been reduced by ratio of 7000:1 (cum) by BARC. Please reduce electro-magnetic radiation per unit area, for healthy life. Forests are our lungs and must be saved by the forest guards from fires and floods. Natural-disasters management armies should be developed with fast response time.

The electric cars will reduce pollution in all the megacities. Solar energy generation is going to be as cheap as mobiles in the future. Solar cars and solar aeroplanes are going to be the right choice of the future. We are heading towards automation and increase in the efficiency of machines etc. AI will bring the next revolution globally.

Coal-thermal power stations and atomic power stations are using heat energy excessively. Hence, there are increasing entropy (disorderliness) in the environment. Similarly missiles and rockets are using the heat energy excessively. Hence, these are also damaging environment. Matter has always decaying properties. Yet healthy life has beneficial properties. The oxygen balance in the nature should be preserved for health of people.

Bio-entropy of the healthy lives is always negative definitely. Bliss is deeper within all of us. Hence grow the herbal ecosystems to recreate orderliness in the nature. Life is the food of life. Hence life is the medicine of life. Chemicals are neither foods of lives nor medicines without causing excessive side effects. The genetic engineering will be very beneficial in the future. India will be blooming one day with bliss, joy and love. Blissful God will heal all our wounds of life. Our inner joy will revolutionize the whole world. Will-power is needed by engineers to serve the people.

West is teaching the risk management to India. Engineers should make 3 plans in advance of construction of a project. Engineers should be empowered to take quickly the right decisions. Team spirit is the need of the time for big success. Philosophy of poor people is that God is truth. The philosophy of scientists and engineers is that truth is God, to enable them to serve masses. Truth goes beyond all the faiths and serves all the religions and the nations. This is proved by the spectacular success of the science and technology in 21st century all over the world. So, technical education can improve our destiny by developing our technical talents and confidence. The strong leaders are never tired of activities. Constant prayers change unfavourable circumstances into the favourable circumstances.

Adventurous sports generate leadership abilities in the sports persons who can be successful crises-management leaders. A group of honest persons will hold the world together. Only a strong government can protect the nature, environment and ecosystems effectively. Waste is exactly equal to food in all the ecosystems. We should recycle waste into energy, biogas and fertilizers etc. The greed is the enemy of all the ecosystems. Be kind to yourself.

Fears are root causes of all the diseases. Love cures all the fears and diseases. Thus, pure love will cure the insane societies. Time heals society but love heals society faster. Lovely music rejuvenates a society but very slowly. Fit-India-movement is ideally needed. Outdoor sports will remove laziness of India. The cheerfulness is the solution of many problems. Environmentally-clean nations are bound to become richer, healthier and happier, as in the past and so in the futures also.

- Prof. Bhawani Singh
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