

The Decimating world and Survival Strategies

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Abstract

The World, due to Over-consumptions, Mounting Wastage, and basically, Reckless Exploitations, by a small section of population, has, imputably, been shrinking in Resource and Biodiversity – the very multi-lineal & multi-lateral symbioses spawned by the evolution over 3 billion years. The very Ethics, Humaneness & Propounds derived out of Scientific Logic Rationalities & Scenario, and overall Balance those build the Civilization, are being ruthlessly stamped. According to one estimate, humans have been consuming 40% more than what the Earth can sustain. The increase in Fossil Fuel Emissions from Car, Aircraft, Industry, Coal, Firewood, & other sources, as also other Pollutions from Sewages, Refuses, & other Toxins, have been multiplying imbalances in the Ecosystem, - its shrinking apart, and contributing to the Ecological Destructions. According to some Scientists, we have just 10 years –reckoned from 2007, to save the World. The Topic, in the ebb & flow of fashion, - encouraged by Political Economy, has been frequently, featuring in the Media, Seminars & Conferences, whereas the speedy tangible & time bound programs those are needed to resist the multi-lineal destructions of the Nature, & consequential threats, and to nurture Recourses for Biological Regenerations, as also to reestablish the multidimensional symbioses that made the Earth habitable, are somehow, remaining far away from commensurate momentum needed.. The Offshoots of Carbon Trading, Selling Nature to save it, payments for ecosystem services etc are only examples of Sophistry & Professionalism and will only exacerbate the Ecological Destructions.

Key words: Decimating world, Survival strategies etc.

The Forebodings

Dead Zones in Oceans

Arising out of fertilizer – laden agricultural run-offs, sewage, nitrous oxides from Vehicles, Exhausts as also Climatic Changes, Hypoxia- a low-oxygen condition below the Ocean surface, has been increasing, resulting in more than 200 Dead Zones, which have been killing and driving out primitive life forms, and creating the situation of dead organisms on the Seafloors & Beaches; in fact, our Oceans stand in great peril. Though meager compared to the tasks, no less than 30 US States, had made out action plan for addressing it in the northern Gulf of Mexico, yet despite years of efforts, the dead zones remain.

Disappearing Coral Reefs

There have been increasing damages to Coral Reefs, and the Oceanic Fisheries have, practically, been pushed to the limit (95 m tons), threatening the welfare of 200m people. Coral reefs are vital spawning ground for many

species of fish, and help prevent coastal erosion, and may disappear, inter alia, in the Indian Ocean by 2050.

Dwindling Forests

The demand for Lumber has doubled, for Firewood tripled, and for Paper increased six times, since mid-twentieth century, whereas, there has not been any commensurate Plantation, - even though, every year an extra million hectares is being transferred from Food crops to Plantation crops.

Further, the Rain forests have been cleared for farming and urbanization, and being enfeebled thereby, have been, repeatedly, burnt out, leaving, hardly, 20% of the original forests untouched. In India, between 2001 & 2005, there has been a drop in the Forest Cover by 29,593 sq. km i.e. 7.1% in mere 4 years; exacerbated by other pollutants, there has been a fast growth in the RSPM (Repairable Climate

Suspended Particulate Matter) - up to about 35%, in all the 4 principal cities The devastating fire at South California years back, whatever may be cause, cannot be seen in isolation, either.

The Farmlands also have been reducing, disproportionately, due to urbanization & plantation.

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Dying Rivers

The Rivers have been contracting, and almost half the major rivers are going dry, or badly polluted. Ganga- synonymous from prehistoric days, with India's Life, Living & Culture, has been dying, due to pollution, over-extraction, emaciated tributaries, receding water level etc., - even the Source Alkananda is drying up due to the Power Project, which is obstructing its flow; further, the Glacier at Gangotri that feeds the River has already receded 1.5 km & it is apprehended, may disappear, due to Global Warming in the next 20 years.

Others in queue are Danube (Europe), Rio Grande (N. America), La Plata (S. America), Yangtze (Asia), Mekong (Asia), Salween (Asia), Indus (Asia), Nile (Africa), & Murray-Darling (Australia).

There has been, due to over-pumping of aquifers, a depletion of water level, all over. The shortages currently suffered by a billion people in 31 countries, - with India topping the list (104 billion cubic meters / year), may spread within 25 years over 50 countries, affecting 3 billion people. Droughts may ravage further the semiarid regions of Africa & South Asia. Consequently, the Grain Production - even on the face of the growth in productivity due to technical advancements, may reduce by 25%.

In fact, as per a study earlier, Global Grain Demand, apart from a steep rise in Price, may exceed the Output, as may be evident from the following Table (in million metric tonnes). It has not been clarified whether the figure of Demand includes the starving 854 millions, - as recently declared by FAO, - now 1 billion, as per UN Food Agency, or not.

Years	Wheat		Rice	
	Production	Consumption	Production	Consumption
2001-02	581.1	584.4	398.6	410.7
2002-03	566.0	601.6	377.8	407.3
2003-04	554.2	588.6	391.5	415.3
2004-05	628.8	610.1	400.5	407.8
2005-06	621.7	624.4	418.1	415.5
2006-07	593.1	617.0	418.1	418.4
2007-08	600.5	616.2	418.6	424.8

The Drinking Water is, increasingly, being siphoned off groundwater (between 15% to 75%) which, as, of late, being detected all over, has been and is being contaminated by nuclear testing, fertilizer & pesticides, petrochemicals, arsenic, volatile organic compounds, the very pipes, even natural contaminants, and has been contributing in increasing scale, to health hazards and environmental pollutions. 25% of the World population is without safe drinking water.

968 million people do not have access to improved Water sources & 2.4 billion people to basic sanitation About half the people in the developing world suffers from diseases, caused by contaminated water or food, and

14,000 to 30,000 people daily die from water borne diseases.

Arising out of the Climatic Change including the Melting & Retreat of the Himalayan Glacier, 1.6 billion in Asia, may face Water & Food Shortage, according to a study financed by Asian Development Bank, released on 02.09.2009; further, the Retreat added with Floods, Draughts and Erratic Rainfall may hit Crop Yields in India, Bangladesh, Afghanistan and Nepal.

Waste & Sewage

Millions of cubic meters of poorly contaminated Nuclear Waste, threatens to become an Ecological Disaster; Central Asia Citizens, of Mailur Suu breathe air contaminated radon particles, far exceeding the acceptable level. e-WASTE has been becoming a new threat.

In India alone, out of 29,129 million liters / day of sewage, 22,939 million litres are being dumped into rivers etc. each day. In UK, 335million tones of Sewage Sludge were disposed of in as early as 2004 & must have increased further.

Erosion of Soil

The erosion of soil, exacerbated by Corrosion & Transportation, has been taking place at a faster pace, compared to new soil formation 15% of the Earth's land surface is hit by human induced soil degradation.

Growth in Consumptions of Fuel & Minerals

The total number of Cars on road is around 600 millions (against few thousands at the beginning of the twentieth century) consuming 67 million barrels/ day of fuel (with commensurate consumptions of all other items) and, the demand - with, anticipated 3 billion vehicles, may increase to 360m barrels in 2020, aggravating pollutions & congestions, thereby.

The consumption of Coal increased from 500mt. to 2200mt., Oil from 18mt. to 2940mt, and Natural Gas from 9mt. to 2173mt., during the last century. The Industrial Nations with hardly 19% of the World's population, has been consuming 59% of the energy.

With the ever burgeoning population of Cars, it is a common scene that thousands of Cars - being too high for the Road capacity, are stranded, in chain from bumper to bumper, enhancing the pollution; in USA, between 1980 & 1999, the total length of highways increased by 1.5% whereas vehicle-km by 76%. Even then, not only the production of Cars is unabated, but new plants are coming up and the sales may exceed 100 billion mark, a year.

As early as in 2003, the Cities in USA with largest level of traffic congestions were Los Angeles, New York,, Washington D.C, San Francisco, Houston, Boston, San Diego, Miami, Dallas, & Chicago. The other Cities in the list are Singapore, Athens, Mexico, Sao Paulo, Manila, London, Paris, Tokyo etc., and the cities like San Diego,

Sacramento & Las Vegas have seen the growth of congestion by 50% since 1982. The average Asian Urban areas experience 6 times vehicle-hrs/sq. mile and that in Europe 3.5 times as in the USA.

In Kolkata which topped the charts in Air pollution & Lung Cancer, & suffers from poor proportion of Road areas – around 6.4%, daily 200 new Cars were being added, and 800 vehicles are parking into every Km of Road space. The total number of Vehicles in Kolkata in 2006 was 11.7 lakhs which, at this rate, may become 16 lakhs by the end of 2012. The count of Vehicles in Delhi which is largely, well planned and continuously, undergoing developments, was 50 lakhs which became about 75 lakhs by 2012

The Texas Corporation estimated that in 2000 itself, 75 Metropolis in USA, experienced 3.6 billion Vehicle-hours of delay, 21.6 billion liters of wasted fuel & \$ 67.5 billion in productivity. With the doubling in the use of Ethanol to 15 billion Gallons, 163 million MT Corn will be needed, creating a deficit there. And for the entire World, the waste would have to be measured in multitude of Trillions, and the burgeoning Cars, in the Cities all over, have been pushing the Traffic & Living to the edge of chaos, colossal waste & Pollutions, apart.

Due to the mounting Car Culture, the Traffic congestion, in 2020 may increase by 350% with corresponding growth in consumption & pollutions.

The collapse of the Minneapolis Bridge over Mississippi, as also Steam pipe explosions near Grant Central Terminal, failure of a Levee, & floods in New Orleans etc., incidentally, may not be seen, just as an Accident.

Multiplying Greenhouse Gases

The bio-invasions are, consequently, exacerbated by building in CO2 - 14,000 times faster than Nature, highest in 420,000 years, and doubling every 15 years.

The emissions of heat-trapping gasses has increased by 70% between 1970 & 2004, and that of Carbon dioxide that acts like heat sink, by 80%.

Total CO2 Emissions in Billion Metric Tonnes Per Capita in Metric Tonnes

US	6049	20.4
Canada	0.639	20.0
Russia	1,524	10.5
Japan	1,257	9.8
Germany	0.860	9.7
UK	0.587	9.7
China	5.010	3.8
India	1,342	1.2

The developed Countries with a mere 20% of World population account for 50% of Greenhouse gas emissions, with share of USA of 6046 mtons, China 5007mtons, Russia 1524 mtons, England 587 mtons, Japan 1257 mtons, & countries like India 1342 mtons & Korea 465 mtons.

As per the ‘World Economic and Social Survey Report, 2009’ the Industrialized Countries had already emitted 209 gigatonnes of CO2 .

The higher levels of Greenhouse gases, consisting mainly of Carbon dioxide, Methane, Nitrous Oxide etc accumulating increasingly in the atmosphere, enhance the natural greenhouse effect raising the Global Temperature.

The massive pollutants – the Brown Haze, over India particularly, has been reducing evaporation & consequently, reducing monsoon rainfall; the harvest, it is estimated, would have been 10.6% higher, had there been no Brown Haze, & 14.4 % higher had there been no detrimental effects of Global Warming.

Rise in Global Temperature

The Air Pollution, aggravated by inadequate safety practices, has been steadily increasing, as also, consequently, there has been a rise in Global Temperature which is about 5 degrees higher, compared to ice age. The upper reaches of Greenland now witness the Arctic Spring several weeks earlier and gives Experts shivers. Recent Satellite Image show Collapse of 257 Sq Km Ice Block, in Antarctica which may become, it is apprehended, Ice-free.

According to Report by NASA, in 2010, Earth is warming up steadily since 1970. The average annual mean temperature in 13 Eco-Regions in the Himalayas, according to a report by the University of Massachusetts in May 2012, has risen by 1.5 Degrees between 1982-2006, affecting, inter alia growing pattern of Plants.

This has also been causing rise in Sea temperature. The ‘National Oceanic and Atmospheric Administration’ said on Wednesday, the 16th September ’09 that the Oceans have recorded the highest temperature ever of 62.5 degrees F ; this in turn, may create El Nino phenomenon that may result in devastating effects like mass destruction of corals, as also rise in sea level by 18 - 59 cm.

The Sea level may further, rise by 19 – 23 ft due to melting of Greenland & West Antarctic ice sheets, even in some zones of Himalayas; at 41 degrees C, it is blowing hot in Antarctic. The Glaciers of Mexico have been melting down, slowly to oblivion - so is the threat for an ice-less North Pole by 2010.

31 sq. km of Sagar Islands, as also 4 more small islands, in India, have already been lost, rendering 6000 families homeless, and by 2020, another 15% of the land may be under Sea, displacing 30,000 families. In fact, the entire coast line may be threatened.

Further, there has been an increase in the number of major Tempests from 8 in 1970 to 18 in 2004. It is apprehended that the 30 % of habitable lands may turn to Deserts affecting 20 millions of population in 110 countries. A Group of US Scientists had observed that the UN panel on Climatic change underestimated the Sea

level increases in this century, resulting from Global Warming. Even the Cultural Treasures, built in Marble & Lime stones like the Colosseum in Rome, Parthenon in Athens may be on the brink .

As per the UN-sponsored Inter-Governmental Panel on Climatic Change (IPCC) report in 2009, pure Methane gas – known to be locked in the Arctic permafrost and seabed, bubbling from Underwater vents, & escaping in massive amounts to and accumulating in Northern sky, will add to Global Warming by another 7 degrees, even may spell Climatic Catastrophe.

In general, the rise in temperature will increase the number of People affected by different kinds of Diseases, like Cholera, Diarrhea, Enteric Fever etc and reduce Production of Crops.

Hazards from Mobile Phone & Power Line Towers

A Cell Phone unit, or Communications Tower, has a number of radiation emanating gadgets. There may be a problem for its immediate environment too. Eight of the ten green Coconuts in the surrounding areas reportedly, have black patches & look dry, even there has been a reduction in the water content, and the very production

Despite exposure to radiation far below recommended levels (max. 4.1 mW/m²), effects on wellbeing and performance, on cognitive tests, was observed in a study of 365 subjects living within 20 - 600 meters from Mobile Phone Base stations.

This finding adds to the concerns raised by the report of a remarkable increase of brain tumor rates in the top floors of an office. A sudden growth of Cancer/ Tumor clusters have been attributed to the shadowing Towers in UK. 'In the context of base-station radiation, reports cattle recording severely reduced milk yields, emaciation, spontaneous abortions, and stillbirths'. High tension overhead Power lines, due to ionization effect, may be also be hazardous, to the surrounding.

Disappearing Species & Loss of Symbioses

The mushrooming trade, travel, & industry, as also habitat destruction, have been breaking down the ecological barriers, allowing (and forcing) thousands of species of plants, insects and other creatures to invade the foreign territories, and often driving the native species to extinction. The Climatic changes are exacerbating also the process of migration, and changes are already taking place in the habits of migrating birds.

About 33,000 plants, 1,000 bird species, 8,000 species of fish, half of Monkeys & Apes, and 500 species of Mammals are threatened with extinction, while many more are declining; by 2025, 60,000 plant species - 25% of the World's total & 30% of known Animal Species, may all together disappear.

Further, 84% of 235 Species identified, may be affected by changes in Water availability, expansion in north Africa Desert, Mismatched Food, more frequent Storms & Competition with alien species. Oil spills,

Warming & Depleted Fisheries are putting a dozen Penguin Species in Trouble. Only 1600 Pandas are now left on the Earth. The population of Elephants, in Asia declined to almost half, over the last 50 years; the number of Tigers, Tibetan Gazelle, Great Indian Bustard, Gangetic Dolphin & Sarus Crane have also been reducing, and some of these may not be seen again

The Air (and our blood), is, further, contaminated by Greenhouse gases - consisting mainly of Carbon dioxide, Water Vapor, Methane, Nitrous Oxide, & the Chemicals like DDT, Pesticides etc; refuses from Chemical and Nuclear Plants, have also, inter alia, been threatening the survival of fish and Amphibians. There has been a depletion of Ozone layer, reducing the protection from Ultraviolet rays.

Further, the Red List of India, which includes all threatened Plant & Animal species, is growing at an alarming rate, and reached 926 in 2006. Further, 85 of Worlds 100 Strangest Species, as also Mega-fish Species, weighing more than 200 pounds found in Asia – exacerbated by overfishing & dam building, may disappear soon. The radiations from Mobile Phone Towers have also been, reportedly, driving out birds like sparrows.

The Heads of the 18 Doctors Association, at a key UN Conference on the 16th September, 2009 in Copenhagen warned that the Climatic Change may be Catastrophic for Health and called on Governments to roll back the threat. There are already 29 new diseases, detected so far. In India, about 5.7 millions are infected with HIV alone; 2.2 million people have been dying annually, from indoor air pollution.

Economic Inflammations

Hardly known practically, even 60 years back, the Paradigm based on Fuel, Automobile and Throwaway, aggravated by the epidemic of Consumerism, Social Culture & Lifestyle, has been exploiting, indiscriminately, the Natural Resources – with the benefits – even the very food, in some cases, hardly reaching the man of the soil, and disrupting, side by side, highly sensitive, replenishing & delicately balanced Ecosystem.

While 1.1 billions have been over-consuming –5% of World population in U.S.A. alone consuming 40% of World resources, about 1.5 billions out of 6 billions live in absolute poverty, another 2 billions are very poor, and 6 millions die out of hunger Due to improvident exploitations, 'USA & UK alone may require 3 Planets each, for their affluent life styles'. There are further, wide disparities of ever increasing dimensions, in the share of incomes & expenditures between different classes of peoples, almost within every Country and 'the growing inequality between and within Nations shows no sign of abating'.

Overall, about 1.2 billion earn less than a dollar a day, 2.8 billion less than \$2, and 150 millions are Unemployed. In the next decade, the World Population is likely to increase by 2 to 3 billion, and there may not be any sun to shine for them. In the course of Economic Growth, the Cities, all the more, are getting flooded with Cars,

Buildings, Restaurants & Hotels etc., enjoyed, mainly, by rich middlemen & ever increasing non-productive –even counterproductive Professionals who have hardly any concern for the environment. These are relevant because it speaks of the consequential paradigms of motor propelled economic growth – inter alia, of the (Unlimited) Profit Enterprise Economics. Political Economy, Globalization et al which on one hand, ruthlessly have been exploiting the Nature, and on the other hand, creating a kind of lifestyle for few, and are threatening the very Nature & Civilization.

The situation is, further, exacerbated by the colossal growth of Intangibles and Artificialities, like Advertisements, Media (in the order of \$ 500 billions, and ever increasing), Non-productive, & repetitive – mostly counterproductive Broadcasts, etc. whose benefits – the tangibles, have been again reaching mainly the creamy layers whereas the burdens are, perforce, borne by one and all.

The Economic developments even for LDCs, LLDCs, HIPC's & Tribal areas, due to the very paradigms, rarely, succeed in catering reasonably, to the fundamental needs like, food, shelter, clothing, education, soil-based occupation/employment & self-sufficiency, whereas pursuits of creating a miniature USA – (artificial) wants, and not need, based economy, is vivid.

Over the Twentieth Century, the Consumption of Metal has increased 600 times. The consumption of Plastic - a product unknown few decades back, is around 140mt, and is slowly becoming a nuisance; from Alaska to Antarctica, inter alia, ever rising tide of Plastic, has been suffocating the Seas, with no end in sight.

In the last two hundred years, 60% of all Resources have, already, been consumed. At the present rate of consumptions, World's reserves of Oil may last at best, 40 years, Gas 60 years, & Coal 140 years Apart, if no fresh reserve of Oil can be located, or viable alternative like Electric Car, Hydrogen Fuel, Renewable Energy Sources etc., can be engineered, the very Civilization may be thwarted.

Strategies & Action Plans For Survival

Conscience & Ethics, and of course, proactive & balanced Euthenics with Accountability are the utmost necessities of the day, The paradigms of Economic Growth must change radically, and must concentrate on Zonal self- sufficiency, - basic needs wise, and concentrate in embellishment of the prevailing culture; the intercity businesses of all kinds, Globalization etc., should be practiced in a low key. The Activities should be Productivity oriented and middleman must steadily reduce. The interfacing of Cultures, of course, should not be discouraged. The Philosophy, being engineered, in 'The Future City of Sky', Florida, USA, for a Green & Zero-Carbon Town, should be accepted, universally, in spirit. Prima facie, All Kinds of Extravagances and Wastages Must Be Stopped, & Balance Achieved To Allow The Nature To Regain Its Own Harmony. The alternatives e.g.

like massive use of email may bring in saving of paper and consequently, reduce demands on lumber.

Optimization of Needs & Products

The Growth in the Vehicular Population, inter alia, should strictly be arrested & reversed. Further, no New Registration should be permitted, unless an old vehicle is surrendered.

Public Transport should be duly augmented, with only High Capacity Vehicles with high Efficiency & strict pollution norms, should be chosen, and small public vehicles like Auto Rickshaws, with poor efficiency withdrawn; a double-decker/High Capacity bus can carry as many people as 20 fully occupied cars, & clear side by side the paths of almost, 19 vehicles, reducing congestion thereby.

While Slogans / Practices like Car- less days, Sharing, Cap & Trade method in Singapur, Number Plate restrictions, Park & Ride, Intelligent Transport system etc should be encouraged, these will be of little use, compared to the magnitude of the tasks, whereas Non-motorized or Battery Operated vehicles like Cycles/Scooters should be efficacious, for local leads. The recent innovations of Battery/Hydrogen fuel operated/ /even Hyrid Cars should be fast adopted.

Every Industry and Big houses must build Staff Quarters in close vicinity, so that there is hardly any transportation needs.

The alternatives like Hydrogen Fuel Cells, Solar Power, fully Electric Cars, Renewable Energy Sources etc., should be given topmost importance. Solar Powered Residential Complexes, in mass scale will appreciably reduce the demands on commercial Electricity. Similarly, attempts should be made to build Massive Solar Plants – with Maintenance duly organized & with Very High Capacity Batteries.

For all bulk Transportation needs, including Freight Traffic, only Electric Rail Traction should be used. Long haul Trucks, apart from the burden on the Resources in any case, must be discouraged, as also Air Travel, and the Traffic transferred to Electrified Railways.

In every Industry, there should be organized planning to reduce Carbon Footprint –total Greenhouse Gas Emissions as also to program massive Plantation of Trees.

Electricity is the key input to Economic growth & lifestyle, and the Power shortage is a common problem in all developing countries. Power shortage can single handedly black out these countries, & Commensurate Investment & their Speedy implementation would be a topmost necessity.

Power generation from Water heads, Wind & Sea waves, Biogas as also Solar Energy that can be also stored by charging batteries, should be given top most priority. With the open areas those are available in the Hydroelectric Plants, there is ready scope for massive afforestation and Ecological Uplifting.

The Nuclear Plants, costs apart, though susceptible to Man made and Natural Disasters and the perpetual threats

of Radioactive contaminations from operation cycles & waste, as also from subversives should receive due cognizance. France and Lithuania, however, get more than 70% of their Energy and Slovakia, Belgium, Sweden and Ukraine more than 50% from the Nuclear Plants

Thermal Plants, though much cheaper, can produce, in India alone, 130 m tons of Carbon dioxide per year, and should be located in thick green belts, and contribute to afforestation. It is a relief to find a recent innovation in Germany that captures & stores the released Carbon dioxide, in the Power plant itself. Clean Coal, as a rule, should be used in all Coal based industries

To save Power, incandescent lamps should be replaced by Florescent Tubes with Electronic Chokes etc., and restrictions should be imposed on Air-conditioners, Heaters, etc. Every effort should put in to use energy efficient devices, and to improve upon efficiency of Electrical Appliances, Distribution, Transmission & Generating systems; Waste & Misuse of Electricity, including idle runs must be avoided.

The developed countries like USA, Japan etc., constituting 20% of world population have been contributing to about 50% of greenhouse gases, and their Environmental Protection Agencies (EPA's) should take measures as to sharply reduce the sources as also to recreate & embellish the Nature and be accountable. According to Oxfam, \$ 50 billion a year is needed for Climatic Change Adaptation and G-8 Countries should pay 80% of this amount with shares of USA of 44%, EU 31% and Japan 13%.

The Call of UN, as reiterated in the 'World Economic and Social Survey Report, 2009' to cut down Carbon Emission by more than 100% by 2050 must be honored and the investment in the Energy Infrastructure has to be doubled from the existing level of \$500 billion per year to \$01 trillion.

The Sewages, including industrial products like Computer should be dumped systematically in Wet Lands, - duly linked drains & canals, exclusively provided, so that these do not pollute the rivers & canals, and of course the environment, & in the course of time, get absorbed in the Nature, even Recycled wherever readily feasible & financially viable; in any case, these must not be thrown in Rivers, Ponds or in any other place that may be having adverse effect. All products which generate Carbon dioxide, - otherwise dispensable, must be discouraged.

Massive Afforestation all over, with every kind of Trees, Grasses, Herbs, Prairie etc., etc., should be programmed in an organized fashion, and every Organization/Institution, particularly, Environmental Protection Agencies must play a dynamic role with due accountability. A special charter must be issued to encourage financially, socially & administratively the Farmers in Carbon Trading, & All Those who have already been putting in their might in these directions. This will also enrich mental & physical health, en masse.

Transplantation of Trees should also be included in the tasks, as the expertise & resources may not be readily available at all the places.

The massive growth of Chlorella which in large scale absorbs CO₂, and releases Oxygen, should be organized. The hazards associated with Agricultural Biotechnology & Mobile Phone Towers etc., must be kept in view.

The production of FOOD and Eco-friendly Cottage Industries must be encouraged by appropriate financial help, seeds & fertilizers, machinery, etc., as also systematic sale of their products, at minimum support price(MSP) so that the dismal picture of Poverty & mismanagement is improved upon and self sufficiency achieved. These will not only prevent the abuses of nature, but also will ensure expeditious regeneration. Every drop of Rain Water must be stored in Organized fashions, all over, Scientifically, and used in harvesting and other purposes. Every Project - small or big, must dovetail schemes for Eco-Development

Above all, at International level, an upper limit of consumptions must be laid down Country wise, so that the overall balance can be restored

Assurances for the Generations and Generations to Come

With concerted & logical efforts, surely it should be possible to get back the Symbiotic Nature with all its Enchanting Glories, Tender Touches, Innumerable Diversities & Fathomless Assurances, and Man with Harmonious Euthenics and Diverse Cultures.

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