

Environmental Issues

IFA Publications

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In the name of Allah, the Most Kind the Most Merciful

Fore Word

Allah Almighty has created this vast Universe to be inhabited and remain flourishing till the last day. The nature has made an extra ordinary provision of natural resources to be used by mankind. Some of these are commonly known such as food, water, air etc, as are essential for our existence. But there are several other natural resources which are necessary for our health, safety and a comfortable life, man generally don't care for them; like saltish sea water, testy fruits and flowers full of fragrance; insects creeping on earth and the vast and sprawling earth we live on it. Out worldly these things appear to be insignificant but in fact it is quite otherwise.

Man produces waste on earth like urine and excrement gasses used by him, smoke etc. All these are injurious to human health.

There are many things man uses but after some time, these are rotten and unfit for human consumption like meat and vegetables. These rotten things cause pollution in our environment. The ocean, plants, trees forests absorb much of this waste and ecological freshness and balance is maintained. Nature has on one hand created the things that cause pollution but on the other, it has also provided remedy to maintain natural balance.

The industrial revolution of 17th Century has provided tremendous comfort to human society but at the same time it

has caused pollution to a horrifying extent. In a craze to earn more and more through minimum investment, the industrialists don't care to control pollution by dissolving the waste to save human society from its unhygienic effects. The result is that deforestation and melting of glaciers is causing many islands the peril of being sub merged. The developed countries, the main cause of this disorder and disasters are not willing to take effective remedial steps. They are pressing the developing countries to make sacrifice. One of the main characteristics of Islam is that it conforms to human nature and maintains a balance between mankind and nature. Allah's Messenger (Pbuh) has forbidden to urinate in water even one is at a canal. To save the environment from pollution, He (Pbuh) forbade wanton burning or cutting of trees or throw the waste every where. A civilized and safe disposal of human dead body is to bury it. It maintains human dignity and saves environment from pollution, To control sound pollution, he (Pbuh) exhorted not to make noise even at the markets, singing and music is prohibited to save the environment from sound pollution. He (Pbuh) even preferred the recitation of the Quran in a moderate tone. If one studies the Quran, the Ahadith and the opinions of Islamic jurists one would be convinced that Islam stands for purity of environment and does not approve of any kind of pollution.

The Islamic Fiqh Academy India, in this perspective, had proposed the topic of environment at its 17th Fiqh Seminar held at Burhanpur (Madhya Pradesh) for deliberation by the Ulama and man of inference. The experts presented informative papers on the subject at the seminar and the Ulama took important decisions in the light of the Islamic norms.

The collection of those papers and decisions are submitted herewith to our leaned readers.

It would have been better, if the detailed views of the Ulama on the subject in the light of the Islamic Shariah were also part of this collection, however, these would be presented in a subsequent publication.

May the developed countries perceive the urgency of solution to the ecological crisis and take immediate remedial steps to avert the catastrophe.

We hope that this modest offer by the Academy will be instrumental in providing Islamic point of view on this subject and our readers as well as the scholars will appreciate our endeavours in this regard.

MI. Khalid Saifullah Rahmani
General Secretary

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The Ecological Crisis

Introductions and Some Questions

The materialistic system that has emerged as a result of industrial revolution and modern life style has brought the modern age and the humanity in future in confrontation with a catastrophic crisis. This crisis is known as the environmental crisis. Consequent upon this crisis on one hand the natural balance of natural resources like air, water, vegetation and livestock is facing devastation on the other the pollution that is man made, in these natural resources, is injurious to human life. The experts have expressed the apprehension that if the crisis is not controlled immediately, human existence might be in peril, the other creatures on earth will also face the danger of elimination.

It is earnestly felt that Islamic Shariah should be invoked to provide guidance in this respect. Apart from particular issue that need solution, the following common questions are confronting the Ummah, Ulama should therefore, deliberate upon these issue and guide humanity at large to resolve this crisis.

The following basic points, should be kept in view for guidance.

The Quranic Verses:

1-He raised the skies and maintained the balance. So don't disturb the balance, weigh honestly and don't be unfair in weighing (Rahman 9-7)

2-Evil has spread on earth and on ocean due to misdeeds of human beings.

3-Don't you see that Allah causes the rain from the skies. And fruits of different colors are produced by us. The mountains have white and red strips and of different lines and of very dark (color). Among men, animals and cattle, are also different complexion. Among Allah's slaves, those who are scholars, they fear Allah, Allah is Almighty and the most forgoing (Fatir 27-28).

4-And we have spread out the earth and fixed on it mountains and every thing grows on it in proportion. And we have provided for you live stock. You don't feed them, And we have stock of every thing and we send it down in a measured quantity (Al Hajr 19-21).

5-And when he turns back, he tries to cause mischief on earth destroy cultivation and animals. Allah does not like mischief (Baqra 205).

6-Make me the custodian of stock in the state, I will guard it with full awareness (Yusuf 55).

7-I will definitely mislead them they have false desires, they will amputate the ears of animals, I will order them to change the nature of Allah's creation. Verily he shall be in manifest loss who made satan his helper except Allah (Al Nisa 119).

Ahadith (Precepts and Practices of Allah's Messenger Pbuh)

- 1- Abu Sayeed Khudri reported that Allah's Messenger (Pbuh) said Allah has made this world attractive and has made you its custodian to see how you behave (Muslim)
- 2- Anas bin Malik reported Allah Messenger (Pbuh) said A behavior sows seeds or cultivates and men birds and animals are fed on it. It would be an act of charity for him (Bukhari).
- 3- Reported Jabir, Allah's Messenger (Pbuh) said Ibrahim made Makkah a sanctuary I declare Madinah a sanctuary There would be no hunting or cutting (Muslim).

Basic Questions:

- 1- Keeping in view the comprehensiveness and its fatal effects, could this crisis be declared as an evil on earth. Islamic Shariah has made the Ummah responsible to combat evils, would it cover this prevailing crisis also as has been referred to in a verse under the Quranic chapter Maryam.
- 2- This crisis cannot be resolved unless endeavours and propaganda campaign is launched against it. Does Islamic Shariah feel that resolution of this crisis is the obligation on Islamic Ummah and Muslims must cooperate with those who are engaged in resolving this crisis. If individual or group are found wanting in this regard, would they be sinners. What would be the status of such a sinner. Could he be liable to be punished for this sin.

- 3- In the countries where there is Muslim administration, it has been observed that a criminal negligence concerning ecological crisis prevails. They blindly emulate the materialistic western culture. In this way the governments of these countries not only are guilty of dereliction of their duties but are instrumental in aggravating this crisis. Isn't it the bounden duty of these governments under the Shariah, to codify laws and enforce them. What would be the penal norms in this regard.
- 4- Muslim organizations launch specific campaign against forbidden things. Can't such a campaign be launched against environmental crisis, placing it among its important projects, Jamaat Islami of India, has included it in its planned campaigns.
- 5- Under the Quranic chapter of Al Rahman, the Verses relating to fair weighing are interpreted as concerning measurement and the Islamic ethics. But keeping in view the overall context of the Surah (Chapter) it seems that these verses refer to the quantity and balance among the natural resources, creatures and systems and apprehensions in this regard. Therefore, in the light of these Quranic Verses having regard to the relationship between natural resources and systems, would it be governed by the commandments concerning the entire universe and particularly maintaining the exquisite equilibrium in the human society. How the fundamentals of the Shariah will be defined in relation to maintaining the balance that exists in the system of this universe.

The destruction of Ozone Layer:

The most horrifying aspect of the ecological crisis is that it has reflected some such factors upon human life that have become a challenge to human kind. If no serious attention is concentrated on it not only human existence but vegetation and live stick will also perish. So guidance is called for in the light of the Shariah to resist the emergence of these factors or to set them right on the altitude of 30-35 KM from earth a layer of natural gas known as Ozone encompasses the globe. The most valuable action of this Ozone layer is that it blocks the effects of Ultra Violet rays on earth. And safe sun rays reach to the us. But when CFC and other chemical gasses strike with the ozone layers they paralyse its natural functioning. During the last some years, wide holes have appeared in the ozone layers and the ultra violet rays are reaching directly on earth. Consequently skin cancer is becoming a common disease and rains are badly affected by it and global warming is now a serious challenge, since the biggest hole has appeared upon the south pole, it is feared that the snow that exist there for thousands of years, might melt and cause a serious peril to the countries situated at the coastal areas.

In this perspective the following questions need their resolution.

- 1- Could the production of all such gasses, that harm the ozone and are ultimately pose a serous danger to all the living being on earth, be declared unlawful. Since these chemical material is used in liquid form to pack manufactured items, pressed in tin or other containers air condition, refrigerators gas, artifreshers and adorents and other products, what would be the ruling concerning these items. The

chemical material detrimental to the Ozone is generally used for the production of luxuries. Could this be put under the category of necessity. Now that most of the countries have agreed to gradually abandon the use of these chemicals and their use will be completely banned by 2025, what would be the obligations of Muslim Ummah, what would be the action of the Ummah on the scale of necessity that has been deliberated upon in this Universal agreement. Will they adopt a separate standard and course and what would be its tive of action.

- 2- Research on the gasses less harmful to ozone is in progress. If such material is discovered in the near future, what would be the ruling concerning it?
- 3- The gasses emanating from air conditions, refrigerators and the packed items are harmful to the ozone layers. These are the main cause of global warming. How far and under what circumstances use of these items would be permissible. Other countries have declared to abandon the use of these gasses under a set program. Should Muslim countries also be made responsible to follow it. What would be the ruling under different conditions?
- 4- What would be Shariah ruling on the use of these perfumes on other occasions.
- 5- What the Shariah edict concerning the use of various drinks, packed food, bottles, using these injurious gasses.

Green House Effects:

With the burning of fuel, petrol, diesel and other combustible items oxygen is used and carbon dioxide is discharged in the atmosphere. It is consumed by the trees. The vegetation after consumption of these gasses, discharge oxygen, that is essential for the living beings on earth. The quantity of these gasses around the globe and their balance in the air is extremely necessary for the existential factors.

Oxygen ratio in the air is 20.90% while Carbon Dioxide is 0.03%. If this natural ratio is disturbed it will have serious consequences. For instance, the shortage of carbon dioxide will effect the growth of vegetation and animals will face food shortage while a minor increase in the ratio of carbon dioxide will increase the ratio of temperature on earth. It is called green house effect. Besides carbon dioxide, nitrous oxide, carbon monoxide, dust that covers the atmosphere (space) and steam are also instrumental to enhancing the effects of these gasses. It is a proven fact that under the green house effect serious increase has been recorded in the temperature on earth during the last some decades. This global warming affects the system of rain fall. With the snow melting on the poles the countries situated in coastal regions will face serious perils as the ocean level will increase. Large scale deforestation, smoke emanating from the vehicles run by petrol and diesel and the smoke discharged from the industrial units, this process has seriously moved forward, when the process of consumption in such a way that ample quantity of oxygen is not available or the burning is taking place without proper use of oxygen, in such an eventuality it discharges carbon monoxide instead of carbon dioxide. It is fatal for life. When it is used by vegetation, it affects the process of the production of chlorophyll. If it is consumed by animal the natural functioning of hemoglobin in their blood is adversely

affected. So the discharge of carbon monoxide in abundance creates serious problems for animals and botanical products. A profuse existence of Carbon monoxide causes asthemic and throat disorder among human.

The Shariah issues that surface in this respect are as under:

1-What are the ruling concerning maintaining natural ratio of oxygen and carbon dye oxide in air, water and on earth. What would be the penal steps in this regards.

2-Whether the use of modern means of transportation like, car, busses, scooter, auto rikshow, diesel engine is governed by the rulings of necessity. While these are mainly responsible for discharging carbon monoxide. Excessive use of these facilities or unnecessary use for example for excursion, picnic etc. What the Shariah says on this point. Could the alternatives like electric trains, train and busses be preferred? Which are comparatively lesser perilous.

3-CNG has emerged as a better alternative for transport. In some selected cities in the country it is being used. What would be Shariah ruling for the residents where it is available and for those where CNG is not in use.

4-What would be Shariah ruling for the chemical process that discharge carbon dye oxide. What would be the penal action in case of default, for example a defective engine of a vehicle discharge more monoxide, which law will cover this case.

5-The furnace or domestic stoves that discharge carbon monoxide, under which Shariah orders these would be governed.

6-Deforestation burning, uprooting, under what ruling of Shariah these act will be governed.

7-What the Shariah says concerning plantation to maintain the balance of oxygen and carbon dioxide in the air. What reward will get those who make endeavours in this respect.

8-Now when most of the countries are united against green house effect and carbon monoxide, what would be the role of Muslim Ummah in this field.

Tree Plantation:

(Importance of flora and fauna and natural forestation. Disadvantages of deforestation. Significance of tree plantation in Islam).

Existence of trees and plant on earth is essential for mankind and animals. Trees and plants produce oxygen and food for men and animals. They consume carbon dioxide besides many advantages to the vegetation; these strengthen the system of rain fall. A major part of the globe is under forests. It is extremely necessary for the life of existential factors on earth.

The forest are fast disappearing due to human use of wood as fuel, use in construction, extension of cities, growth in human population, transportation etc. About eight years ago 50% of the earth was under the forest but now it is only 30% in the region of higher temperature every year 25 lakh hectare forest disappear. The ratio of deforestation on earth is one percent per annum. In our country 34% deforestation was recorded during last century. Here the ratio of forest is 0.060 Hectare per head. While 0.64% forests per head are in the world. It is obvious that this ratio is quite insufficient 21% of the total available land is under forests. The

government has not only enacted legislation for the conservation of their forests but has chalked out a plan to increase it to 33%.

The quantity of forestation resolves that how much food will be produced for the living beings, and what would be the ratio of oxygen and carbon dioxide gases apart from it, the cover of vegetation on the surface of earth affects the system of rain fall and resist flood. If there is shortage of forest, the region will get less rain. The rain would be behind the schedule and when it rain, the rain water will swiftly flow into the rivers as deforestation will fail absorbing the rain water. It will result in devastating floods and the fertile mud that exists on the surface of earth, the flood will take it away. It will adversely affect the fertility of earth. The sub soil water level will also decrease. The following questions need their answers in this perspective:

1-What the Shariah says concerning water, deforestation uprooting trees.

2-Under what circumstances cutting of trees would be permissible.

3-The government has declared the forests as preserved areas. What the Shariah rules about those who carry out their business by falling the trees, cutting woods or assist in this work.

4-The forest department transfers forests to the contractors to cut the trees there by earning income. They devastate the forests. What is the verdict of the Shariah concerning cutting and falling of trees, and what about the profession of these contractors.

5-What are the rights and obligations of those who live among these forests?

6-What are the rights about wood cutting for domestic use.

7-planting on roads, in ones homes, on barren lands what the Shariah says about it. What would be the reward for it. What is Shariah ruling concerning the defaulters?

8-If a tree is cut down under necessity would it not be necessary to plant a new sapling to maintain ecological balance.

9-What would be Shariah ruling in respect of plantation in religious places like Mosques, Madarsas and Grave Yards. What if trees are cut down at these places?

10-How far it is permissible under the Shariah to cut woods for fuel, construction of building etc while the alternative are also available.

11-Use of tissue paper increase cutting of woods. Should it be abandoned and other alternatives like cloth handkerchief etc should be used,? Which are cheaper and durable. What would be Shariah ruling for plantation of the trees, the narrow of which is used as paper.

12-Paper is manufactured from the pith of the trees. What would be the ruling concerning the recycled paper.

13-What the Shariah says if deforestation is carried out for construction of roads, inhabitation or for industrial purposes. What is the verdict under necessity and what conditions should be observed.

Use of water:

Need of water, its preservation its wastage, adulteration, control, nationalization control on rivers, sale and purchase anction, tax on water.

Water is a unique blessing on earth. It is extremely necessary for the existential factors according to the Quran the genesis of the life was from water. 95% part of vegetation and living being is made of water. The cycle of water is essential for the survival of life, clearance of wastes, and there process of dissolution, water is instrumental in other factors in maintaining the temperature on earth at a particular ratio. Although 73% of the globe is under water but only 25% there of is for the use of mankind. Vegetation and animals. The rest is saltish and cannot be used by any one. The process to turn this saltish water potable are still very costly. So availability of the existing water in a particular quantity is essential for human and other species on the earth.

The system of rain fall is in disorder and is worsening continuously. It is said that regional and international clashes in future would mainly be control water resources. It is estimated that by 2050 half of the available water will be polluted. The population of human being in need of potable water would be one to 3 billion. According to a report of the World Bank 88% diseases are due to the use of unsafe water. The backward and destitutes social strata will have to confront serious challenges concerning health and hygiene.

Under these circumstances, the following questions need solution in the light of the Shariah norms.

1-What the Shariah says about harvesting of water and its preservation to be used in multi storied buildings in major cities.

2-What the Shariah says about those who pollute water through the discharge of chemical waste from their factories and the stuff that does not dilute naturally and with similar others adulterations particularly in the region that face water shortage.

3-Wastage of potable water through defective water supply system. Wastage of water in houses, offices and other institutions by leaving the taps open or not replacing defective taps. What is Shariah ruling in this regard.

4-Such taps in at the Wuzu Khana of Mosque that causes wastage of waters? What is Shariah ruling on it?

5-Muslim society had a tradition of Hauz (water tank) to save water. But now modern methods are used in mosques where taps are used. Hauz can save water. Would it be proper if provision of Hauz is made essential in a Mosque. What would be the validity of Rukhsat (Permission).

6-Water jugs (Lota) were earlier in domestic use and in mosque for abulation but this system has become out dated. What is Shariah verdict on it.

7-What would be Shariah ruling where potable water is used in factories to wash away chemical waste etc.

8-Should the industries be made accountable concerning water and its proper use. What would be penal action under the Shariah against defaulters.

9-To preserve potable water, would it be permissible to use paper or other similar items in toilet.

10-What is Shariah ruling on control upon water by some companies in detriment to the interest of common people.

11-What the Shariah guides about the sale/auction of potable water.

12-Some companies provide mineral water from hilly regions in bottles. They , there by depraves common man from having potable water but the local population of hilly region faces water shortage due to the exploitation by these companies, what is the Shariah ruling about it.

13-Governments are nationalizing water resources. So much so that even installation of hand pumps has been banned or tax is levied on it what the Shariah says about it.

14-The regions where water is not easily available, could it be proper to restrict it's use for bathing and ablution.

Pollution due to abundant use of different gasses and chemical material:

Major cause of environmental crisis is the pollution in air, water and on earth by the chemical waste that aggravates the problem. The pollution in the air hampers the sun rays reaching to the ground with full intensity. The green house gasses on one side enhance the average temperature of earth and on the other it causes serious damage to the ozone. With the increase in global temperature the glaciers on north and south poles are melting and the average sea level is increasing. The cities situated at the coastal region are submerging. Rain with acid is also on the increase. Many bird species have disappeared or are on the verge of

estimation, water pollution is making availability of potable water difficult, chemical waste mixing with water, playing havoc with vegetation and consequently vegetables becoming harmful and injurious to human health. Sea creatures (fish etc) are in peril. Excessive use of insecticide and chemical manure has damaged the fertility of earth. Farmers incur loss and are forced to commit suicide. Human society is moving quietly towards a severe food crisis. In many countries like Tanzania people are starving due to famine. The ecological crisis caused a fall of 33% in the agricultural output. According to an estimate the rivers, having their fountain heads in the Himalayan region will dry up to 2035. The flow of water from these glaciers will cause flooding of the coastal areas. There would be draught and famine due to these dried glaciers. Nearly 2.4 billion people's life would become extremely difficult. So guidance is solicited on the use of the materials that cause chemical pollution.

Industrial factories have played an advantageous role in human life. But the chemical waste discharging from these factories creating serious problems. The smoke, chemical waste, polluted water, poisonous liquid cause many injurious factors/effects. The smoke increases the effect of greenhouse gases while poisonous smoke causes serious damage to vegetation and other living beings. Some factories discharge acid gases that cause acid rain fall and destroy the crops and many items are dissolved. The poisonous fluids on one hand decrease the quality of potable water on the other it is fatal to the sea creatures and vegetation.

1-What is Shariah ruling about the tools installed to control and decrease the discharge of carbon dioxide and other chemical waste: What is the ruling concerning those who fail to install these tools.

2-What about the factories that discharge dangerous chemical waste but manufacture the essential items.

3-What is the ruling about those who suffer due to the discharge of the chemical waste like people living in the vicinity of these factories, farmers whose crop is destroyed by the waste or the fisherman whose fish were affected, died or their breeding suffered.

4-What about setting up chemical factories close to the populated areas. These might cause havoc to the population as some years ago the union carbide factory in Bhopal caused thousands of death due to the accidental discharge of the fatal gas. Thousands have been suffering from serious diseases. What would be right of those who suffered from such calamities.

5-Despite the availability of gas stove and other means that cause lesser pollution in rural areas some people still use old conventional fuel and this cause pollution what would be Shariah verdict concerning these people.

6-What about those whose ostentatiously use their vehicles.

7-What the Shariah says about the vehicles run by CNG and batteries to avoid air pollution.

8-What about the use of vehicles with out upkeep and causing air pollution.

Agriculture:

Under modern system of cultivation chemical manure like urea and super phosphate is used to increase farm production. It has been observed that the use of chemical manure fertility of land increases many fold but gradually it

decrease to such an extent that even average farm output becomes scarce. Similarly under the modern system insecticide is used profusely. These chemicals are called pesticides. These pesticides on one side lose its effect, as the insects become habitual of it on the other it causes serious damage to human being, vegetation and animals, air and water. These pesticides don't dissolve or exhaust but persist in their existence. Many modern diseases and cancer is caused due to the existence of these chemical. Even in the houses these pesticides are used to kill rats and other insects. These have serious adverse effect on pregnancy and infants. Some babies born handicapped or with mental debility.

1-What the Shariah says about the use of pesticide, its manufacturing, its sale and publicity? What would be the issue of necessity in this regard.

2-Is pesticide less fatal preferable to the most fatal one. Would a harmless pesticide like Neem oil is preferable to the pesticide of lesser harm? What would be Shariah ruling for the defaulters.

3-What about use of pesticides in the houses. What would be the rights the of new born children. What would be the punishment to those who cause injury due to negligence or ignorance.

4-If some one suffered seriously was killed due to the fatal effects of pesticide. Who will be responsible and accountable for this loss. What would be the penal action against him.

5-For better ecological future a trend is emerging to abandon modern system of farming and return to the conventional

organic farming. What the Shariah says in this regard to the Muslims farmers.

Non Bio Degradable Things:

Apart from pesticides modern style of living has invented plastic and detergent that are un perishable. As natural waste dissolves itself, these chemical don't dissolve or destroyed. Such chemical waste is on the increase on earth, in ocean and on mountains. It will not perish by itself. It is therefore, creating multiple problem for example, how to dispose of this waste. When natural is thrown out in plastic bags, animals consuming it are killed or suffer from cancer.

1-Would Shariah permit ban on the manufacture of the items that are advantageous but ultimately harmful.

2-Abandoning the use of polythene bags and instead using paper, jute or cloth bags to check the damage from chemicals what would be the ruling in this regard.

3-If an animal dies after consuming stuff packed in plastic bag. How the owner of that animal would be compensated.

4-What about the use of detergent for washing utensils or for bath while conventional brands of soaps are also available. These are not harmful or their effects don't persist.

5-Under what condition use of polythene and detergents that are imperishable, will not be allowed to be used and under what circumstances it would be permitted.

Elimination of advantageous creatures:

Deforestation, effects of new chemicals in the air, hunting of animal is causing serious damage to bio diversity. Almost 1300 species disappear every where from the earth surface.

There is apprehension that with the elimination of these species. World will be deprived of their natural advantages and the balance that nature has maintained of various kinds will be affected causing serious problems.

1-What are the obligations of governments to preserve bio diversity. What would be the ruling of the Shariah in case of their failure in this regard.

2-Could a government impose ban on hunting or use of an animal or vegetation on the ground that the species are in peril of extinction and declare it an act of coginzation what would be the extent of such a decision for instance. Keeping in view that peacock is an endangered bird, a government might declare its hunting as illegal or the use of its limbs or other parts. If its hunter is punished what would be the Shariah ruling in this respect.

3-If law is enacted to save the species like tigers, lions or other ferocious animals, sanctuaries are set up for their safe living or safe havens for snakes what the Shariah says about it.

4-What is the Shariah ruling concerning hunting of the protected animals birds, or the use of plants vegetation and the products having these ingredients.

Electricity and the Electric Machine:

Electricity is a much valuable and unique natural power, generated by natural mans it is extremely advantageous to the human society. It has been seen that in some cases it is mis used. Electricity is generated using water and coal. Availability of these material is becoming scare.

The following issues are put forth soliciting guidance:

1-What is the ruling on improper use of electricity like leaving light on, use of electric press frequently that causes excessive consumption of electricity.

2-Using heater for cooking while other means are available.

3-Using bulbs and other tubes for light while CFL are available that consume less energy.

4-Under what condition use of solar heater will be permitted for instance, hotels, offices, hospital, mosques etc where there are more people.

Various Causes of Ecological Disorder

A limited use of some words over shadows their comprehensiveness. Fasad is one of such words. It's sense is now limited to rioting disturbance, rampage and carnage. The Quran frequently uses this terms in various forms. Allah dislikes it. Those who cause Fasad (Mischief) are liable to severe torment. So it is necessary that we should know the meaning of this word to follow the Quranic Commandment it to save overselves from divine punishment.

“Fasad Shai” means that something is rotten and has lost its natural qualities. The meat that has become decomposed is called Laham Fasad. Fasad (Degeneration) is infact antonym of regeneration salah means order smoothness and normalcy in conditions. Fasad stands for disorder imbalance, (Qute from Taj Mohit lane).

The Quran has used the term musliheen as an antonym of Fasadis (Mischief managers) When they are asked not to cause mischief on earth they said we are the reformers (Al Baqra 11). Destroying crops and mankind also called Fasad.

When he gets power, he concentrates upon causing mischief on earth, destroy crops and eliminate human race. Allah does not like the mischief managers (Al Baqra 205).

In Surah Shuara (Quranic Chapter) the extra vagrants are called the mischief managers or trespassers.

Don't obey the trespassers who cause mischief on earth and make no effort for reform (Al Shura 151-152).

Trespassers are called (Musrefeen) those transcend the prescribed limits. To commit extra vagance, or act foolishly (Ibne Faris). In Surah Furqan this word has been used "Qatar" has been used in relation with spending "Qatar" means miserliness. So Israf will be exuberance Ifrat as compared to miserliness that is Tafreet or diminished loser. Israf is undue spending. The Arabic sentence Sarafat Umme Waldah, means. The child fell ill as mothers excessive breast feeding (Qute from Tajul Uroos). Thus Israf means wasting something in a way that it loses its utility. Sarafal Maa the therefore mean flowing water on earth in such a way that it goes waste (Tajul Uroos). Israf there fore means not only undue excessive use of something, resulting its wastage, but every thing that is not used properly and in a purposeful manner, is Israf wastage for instance, human potentials, time, wealth, or other competence (including knowledge) is not used for positive and constructive purpose, and to use it for negative purpose is wastage.

When imbalance in something that causes disorder and degeneration is Fasad why should we not term water and air pollution as disorder /degeneration. To day, water, earth space or air that covers the earth in its pure/unadulterated form. Mountains and ocean, are not in their natural condition. If degeneration means that a thing is not in its natural/original form, it is called its degeneration (rotten, decomposed) so pollution is also fasad (degeneration) and those who cause this pollution will be called mufsid mischief mongers/ the one causing disorder. To day our river water is adulterated. It is poisonous and stinking and

cannot be used in any way. Mankind misdeeds caused disorder on earth and in ocean. This is the punishment of their misdeeds, sins so that may repent (Al Rum 41).

Today not only humanity but living beings are in the grip of pollution. Mankind is suffering at the hands of unscrupulous human beings. But most of us are unmindful of it. Religion (faith) as a creed has been restricted to some rituals. Is not our bounden duty as the righteous Ummah, to come forward to combat every evil on earth to the possible extent. Allah Almighty says:

Behold how those who caused evil on earth suffered ultimately (Al Araf 86).

Pollution, dirt, adulteration is a form of evil. Israf (excessive misuse) is also an evil. Majority of people commit Israf they indulge in evil doing.

Pollution has made the environment in a state of morbidity on the other hand extra vagance has caused disparity in our society. We don't spend where it is needed our energy and faculty is wasted where it has no utility our knowledge and wisdom are not utilized for what these faculties have been bestowed upon us. We have been wasting all of our faculties and energies. Allah does not like trasspassers and evil doers. As their activities result in various evils. Allah does not like mischief makers so their ultimate end is always very much tragic. Our Ulama preachers and Imams should exhort and warn Muslims that leaving aside the fundamentals of their religion they stick to innovations and mores. These will not lead them to success in this world or in the hereafter. The senseless ritual cannot awaken their real spirit. These can generate emotional favour but cannot promote the emergence of those Muslim who can guide the Ummah. A comprehensive understanding of the faith needs

knowledge of the Quran and the related disciplines of knowledge. Today we don't know what is evil and who are the evil doers. How could we know that we ourselves are also among the evil doers. A Muslim must know all the manifestations of evils. He should be active to fight and check the evil in a positive way. He should be the guide of humanity at large. Today our colonies (Muhalla) are known for their garbage and dirt. We throw the garbage of our house and shops on the road. Our drains are full of silt. WE extend our shops by adding paties (slabs) the road become narrow. The smoke emanating from the factories in the Muhalla cause pollution in the entire colony. Would that we know it is the violation of Allah's; commandment. Every creation is a sign of its creator. Air water, earth and every thing on it is Allah's sign.

As a Muslim we must keep in view these facts of pollution. O Lord guide us. Favour us with the comprehension of the faith so that we may discharge our obligations as the best Ummah. Ameen.

Pollution is on the Increase

Let the environment be free of pollution, ozone has been damaged, world is on the verge of disaster. Radio active waste is affecting human race. Water pollution, has put human life in jeopardy. Such slogan and concern is common in the third world but the developed countries particularly USA don't heed to it. Recently the conference on ecology ended without any conclusion. The mentality of vested interest is the greatest hurdle in the resolution of this problem. These countries are extremely indifferent towards it. They are mainly responsible in polluting the ecology. If we have a look upon the past century we will find that coal and petrol had been used excessively during the past 100 years, but during the past 50 years 5 million chemical compound and petro chemicals have been introduced. About two thousand chemicals are in use in our daily life. Plastic and petro based production, artificial fabrics, rubber wheels, colors, medicines insecticides chemical manure fabricated thread, soap, detergent perfumes (liquid) spray, cold drinks, processed food, medicines for children safety etc have made our lives modern. Newly introduced items have made us luxury loving one. Chemical manure is excessively used to produce fruits beyond their normal season. It is causing pollution.

Industrial development has made many countries developed one. Those following them are called developing nations. India has signed GAT. It opened gate for the foreign companies to invest in the country. It is said that it will

solve the unemployment problem of industrially back ward countries and a prosperous society will come in to existence. But how chemical industries will entrap the country. People must ponder on it. Are the chemical industries the only mean of development. India is an agrical country. We may introduce industries based on agriculture by using the raw material: one must keep in mind the ultimate effect of every thing one goes in for it. Some times it so happens that one losses control upon the out come of the work, once it has been set in nation. Here we will analyze the effects of the industries on the environment.

Green House Effects:

Ample fossil fuel storage is available under the earth for human use, their combustion is increasing carbon dye oxide in the air, the waste that is discharged from factories has a greater quantity of carbon dye oxide, this gas absorbs the heat of the sun rays when they reflect on earth. It is called green house effect. The temperature on earth goes up to 3-4C due to its effect. It causes automatic ablaze in the forest of Madhya Paradesh, 36 Garh, Rajasthan (Jaisalmer). It has seriously disturbed the ecological balance. Rain fall is below normal. In some region it is drought, in some it is flood, if the increase in the temperature is not checked the snow on south and north poles will melt. It will result in raising the sea level. Tokio, Mumbai, Kolkata and Bangladesh will submerge in the sea.

Holes in Ozone:

16KM above the earth level the sun rays transform oxygen in to ozone (0.3) the ozone cover on the altitude of 23 KM is extremely dense. This density of ozone cover blocks the ultra violet sun rays from reaching direct to the earth. If these rays hit the earth directly, men will suffer from skin

cancer. The molecule of CFC are quite light. So when these discharge from factories, fridge, air condition etc they go up in the air molecule damage the ozone and the items available on the upper cover of the ozone, the ozone cover therefore becomes thin and ultimately holes are developed in it. Such holes have been developed on Australia and Antarctica. CFC or Chloro Fluoro Carbon is a compound that functions to keep fridge cold, western financiers are promoting the use of it in the third world. Indian markets are full of these items. It was resolved at Montreal conference in 1991 that alternative to the CFC should be found out and the use of CFC should be abandoned. But no effective steps have been taken in this regard.

Acid Rain Fall:

Smoke emanating from factories petroleum refineries motor cars, and the sulphur dioxide, nitrogen, dioxide and other gasses discharged from the factories generating electricity. These gasses mixed with rain water and cause acid rain fall. It causes fire in metal waste. Taj mahal has since suffering from stone cancer. Due to the emission of smoke by the Mathura oil refinery. 15000 water springs have been polluted from these gasses. Acid rain fall is damaging crops, fruits, vegetation, green and blue moss sea creature and bacteria.

Radio Active Pollution:

Nuclear interactions accumulate radio active waste of a particular nature. Nuclear fusion are used to test radio activity of nuclear arms and bombs, bombing is carried on the nuclear centre of uranium (235) by slow moving neutron reactor, this nuclear fission discharges energy at a larger scale. When this energy is used in a regular form it generates electricity. At Trombay there are curies, Zarina,

and primary atomic reactors radio active isotopes are produced in these reactors. These are used for agriculture, and industrial purposes. Dense layers and walls are installed around these reactors. It blocks the effects of radio active rays outside the reactor. But despite all preventive steps human negligence and mistake is possible. Apart from it natural calamity or earth quake might cause an ecological pollution. The two horrifying radio active happenings bear testimony to it. The first mishap was in USA at Long Island and the second occurred in Russia at Chernobyl. It is very difficult to assess the actual loss due to these two mishaps. But these have had their devastating effects on fish in the sea, vegetation and human beings.

Atomic war and nuclear tests emanate radio active rays. So far 2000 under water and under ground nuclear tests have been conducted. People in the vicinity of these areas live in constant peril. Radio active effects continue their existence in the air for a very long period. Its waste causes hereditary defects. Posterities suffer from mental and physical impairment. The relative radio active of nuclear fission affects food for human consumption through Bio Geo Chemical path. For example some atomic tests were carried out on Marshall Island in 1954. Iodine was recovered through these tests. Its life period is just 8 days. It was therefore felt that its effects will not last long. But vegetation absorbed it and it affected human body through the milk and meat of the animals having consumed that vegetation. The children of that region suffered from thyroid abnormalities and cancer. Strontium 90 is another stuff that is recovered during the nuclear test. It is absorbed by food stuff and devastatingly affects human life.

Air, water and earth pollution:

Chemical industries cause pollution to air, water and on earth. In 1977-78 a study (survey) was conducted in Mumbai. Dr. R S Kamath examined about four thousand residents. He made a comparative study of the residents living in the industrial areas of Lal Bagh and Chambur with those living at Khar. He found that those living in the industrial region mostly suffer from asthma, TB, Blood pressure, eye diseases and cataract. Kalyan river flows through Ambar Nath, Kalyan and Ulhas Nagar, Rayon factory, color manufacturers, paper mills discharge their chemical waste into the river. Its water is used for irrigation. The residents of these localities suffer from depression, lunacy, twisted hands, legs, severe knee pain etc. On testing the river water it was found that it contains excessive quantity of mercury. This water was used for irrigation. The crops absorb this mercury. Animals consume the vegetation, it affects their milk. Thus reaches into human body. Their water affects sub soil water there are painting and printing factories in Jodhpur. The colored water has even affected water in the wells, hand pumps, and water tanks. Their water has changed its color. The water was chemically tested. It was found that it contains huzadine chloro 3-3 hunzadinve. B Nephtehl, iron, lead, chloride, particle of copper, the residents as a consequent suffer from various ailments like abortion, skin disease and cancer. Ganga the sacred river carried with its water human skeleton, mud of idols immersed in it, waste refuse. It has made its water polluted.

Tungbhadra river of Karnataka was once considered the most clean river. But two major companies exist at its bank. The water of this locality has lost its taste. Land has become barren. Water is in plenty but there is a short fall in agricultural output. The region of Jodhpur, Kanpur,

Tangbhadra, and Kalu river bear witness that color of the land is changing. It is losing its fertility and the land is turning barren.

Industrial Waste:

Industrial waste is adding to the pollution of earth and water. In the production of one ton phosphorus manner 5 ton phosphorus waste comes in to existence. During 1980 35 lakh ton Jepsium waste was discharged from eleven major factories. A large quantity of waste discharged while producing Monium Sulphate , Uria, color etc. With rain fall, the soluble particles of waste penetrate into earth. The sub soil water is polluted. The particles that are not dissolved adversely affect the fertility of earth. Fly ash has also become a serious problem. The waste discharged from thermal electricity generation plant is called fly ash. The fly ash that emanates from the electric power plant in Nagpur, Madhya Pradesh (Nagpur, Chanderpur, Sarin) has badly disturbed the ecological experts. Despite warning from the world bank, the administration has turned a deaf ear to it, environmental experts have estimated that upto 2015, 1000 Sq KM land would be required for the storage of the fly ash. It means that from Nagpur to Chanderpur 400 metre radius land would be covered by this waste. Thermal power house feed 73% need of electricity. At present there are 85% super thermal power station out of these stations 100 Mega watt power is generated at Korazi, 840 MG at Khaper Khera, And Sarni, 110 MG at Nasik, 690 MG at Parli, 840 MG at Bhasawal, The 90 Thermal power station discharge 90 million ton fly ash. Only 9.60 of it is used in various items. So fly ash has become a major problem.

New easy method will have to be found out for its use. The research institutions should divert their attention towards it. If it is used in road construction and bricks the problem

would be solved to some extent. The factories that produce cement and aslastos also discharge large quantity of waste. It is also to be kept under control. The developed countries used the land of the poor countries to dispose of their waste. They use cocrecion or economic bribe for it. Such dumpring has been reported in India too. But it is still a secret. Question arises should we close down our industries for fear of pollution and ignore the issue of the development of our country? The answer is that industries based on agriculture, should be promoted and alternatives of power generations should be developed like refuse, air, water, solar energy. Bio gas etc. Motar car run by solar energy and compressed air are already in use. We should introduce them on our roads.

In our country Neem tree is know as a germicide. Thousands of years it is a part of our cultural legacy. We did not try to patent it. We realized it when other countries tried to show it as their product and a patent in their favour. Neem oil (Margo Oil) is used in Europe as a germicide and insecticide. It is seed (Numboli) is used of as manure. Tea plants in Australia, Gunkgo Biloba of China, Gain seng of south Koria, and Aloea vera of Mexico are know as very useful and important trees. But Neem could not enjoy such a status due to our apathy. Industries based on Neem should be promoted. The husk that remains behind while manufacturing sugar, should be used for power generation. We will have to find out alternations to dispose of the waste to check the pollution. Other wise the posterity will pay the price for our criminal negligence.

Environmental Pollution: How and Why?

The 20th century departed with great scientific achievements and the conquest of the universe but at the same time it has left behind many disasters and devastations, climate pollution is one of the legacies which is an essential part of military, economic and cultural supremacy. To day almost every one talks of environment and environmental pollution but there is no one who owns the responsibility of this pollution and try to address this problem.

People generally leave the issue to the technicians and ecological experts. There are many reasons for it. The most important one is that they are unaware of the cause of environmental pollution, at the same time they don't know the action of natural factors and the natural law, the functioning there of automatically reduces the pollution. We should therefore, know what causes environmental pollution increase and what are the conditions under which natural factors work to reduce the pollution or stop this process. Only then we would be able to ponder upon environmental pollution and take a joint action to reduce it. Infact unless and until there is a collaboration and coordination between human endeavour and nature's functioning in this regard nothing much could be achieved on this front.

Many of the human values developed by man and modern life style has made human life extremely comfortable and man is lost in a state of exhilaration that he has made

progress but many of the modern inventions have caused serious environmental pollution. Human society has undergone devastating changes and human kind has paid heavy price of it. The technology used to increase food production has played havoc with natural resources. Earth and environment are under tremendous pressure. The mounting waste of the used items, nuclear, chemical and biological weapons have had caused serious consequences. These perils would be on the increase. These are the main causes of environmental pollution. In all the spheres of life where science and technology have stepped in clashing with natural laws, environmental pollution has taken that space in its grip.

This is the consequence of isolating science, technology and the scientists from human society. In fact there should be no question of separating science and scientists from the society as scientific action is a social function depending on human resources where science, man and society are influenced by one another. Science and technical know how are developed for human benefit. These are developed by men so scientific knowledge is in fact a social and humanitarian quest and understanding. But as per Helge Nowtury, contemporary science is so bereft of merits that it neither can guide humanity and morality nor can bestow real merits upon it. To day it is the extremity scientific development that 90% budget of the developed countries goes to manufacturing of modern weapons and luxury items. Science and technology is today working for the human devastation rather providing human necessities. It has brought human and environment on the brink of perdition.

Now a days there is no conformity between man and man between man and environment between mans knowledge and his action and awareness. This is the main cause of all evils. The contemporary ideology of life has distanced a

human society from another one on the basis of the ruler and the ruled. The ruled class of the society hardly matters if compared to that of the ruling class. The rulers flourish while the ruled perish. People of developing countries have been ruining the environment through adding fatal chemicals to it, causing mortal diseases to the people of developing nations and killing many of them. There are some instances of it. Every year large quantity of insecticides chlorinated Hydro Carbon, DDT, Dieldrin, sulphur dioxide, Mercury (HG) lead (PB) cadmium, Tobacco compound, ozone (O₃), Nitric oxide (NO), carbon dioxide (CO₂), carbon monoxide (CO), nuclear waste, Radio Active rays, chlorine etc are used. These not only cause climate pollution but serious diseases as well:

Let us see the damage caused by these chemicals. Insecticides like chloroform, dieldrin, tri-chloroethylene etc are sprayed upon the standing crop. These affect human food and find their way into human body. It causes cancer of liver, High BP, cerebral Hemorrhage, and brain tumour, and cancer of divergent nature.

Sulphur dioxide is a poisonous gas. Its emission is due to burning of coal and other fossil fuel and various factories of chemicals. It smells like a rotten egg. Since it is heavier than air so it stays at a lower altitude in the space. If human physique comes into its contact it causes kidney syndrome, whooping cough, fever and various respiratory disease among children which might be fatal. With a breathing tube it causes many other diseases. It even adversely affects archeological buildings. Their chemical dissolves into the water in the air, it makes phosphoric acid that causes serious damage to marble and calcium.

The mortal effects of mercury were felt first in Japan on a very large scale. In Minamata Bay, the mercury

discharged from the chemical factories provided into human body through the fish. It caused irreparable loss to the nervous system. People suffered from serious mental disease and were handicapped, mercury poisoning effects mental arteries, when it persists it makes human organs numb and senseless. It even make the nerves around mouth, numb. It seriously affects eye sight. The vision falls to 135 to 180 or less than this. Brain shrinks up to 35% and intellectual faculties diminish and physical growth suffers. when mercury dissolves in the air, it turns into mercury methyl which effects human digestion so far details of the mortal effects of mercury are not known. According to a UNO report every year ten thousand tons of mercury is used which causes different serious ailments.

The consumption of oil, petrol, diesel, gasoline in engine turns in to lead oxide. It is fatal for human lungs. Various transport (means aeroplane, ships, motor car, trains) cause emission of about one lakh ton lead in the air. It finds its way in to the lungs of human and animals. The lead compounds discharged from chemical factories in to rivers, go in to human body through water animals (fish etc) when one consumes them. On both sides of busy roads lead oxides and lead is found in the air. Now lead quantity in sea water is 50 times more than the normal quality. Loss of appetite and anemia is due to lead poisoning. Cadmium (Cd) is also poisonous like lead and mercury. It causes bone and skin diseases. It is used for removing iron rust, alloy, nuclear power station manufacturing of color, painting of porcelain pots. Plastic manufacturing and manure. When it enters human body it causes Itai – Itai disease. In Japan's Tajuma district 130 persons died of this disease during 1940 to 1960. Tama river (in Japan) water was polluted with it. Those who used this river water or paddy growers, suffered from its adverse effects. Cadmium pervaded in to paddy. Those who consumed the rice suffered from bone and joints disease.

Some of them died of these ailments. In other countries also similar effects of cadien have been experienced.

In the Terry Report of 1964, Dr Luther Terry explained that smoking is the main cause of diseases. The risk of lung cancer is 11 time less among non smokers than the smokers the smokers die at an average of 8.3 earlier than the non smokers. Smoking effects are upon lungs, lips, oral cavity, tongue, throat, and esophagus, the tube that joins mouth to the belly bladder, kidney, pancreas etc. All these organs are prone to cancer due to smoking effects. Those who stay with smokers are also exposed to the danger of suffering from cancer, as they are affected from the smoke the cigarette smoke contain nicotine, pyridine, phenol, ammonia 3-4 benzopyrine, and other chemicals. These are extremely injurious to health. The mono oxide in cigarette smoke has a 350 time more capacity to effect hemoglobin as compared to oxygen. The balies of expectant matters who smoke, catch the adverse effects of smoking. All the above noted diseases affect the bally even in the mothers womb.

Ozone (O₃) with photo chemical interaction is on the altitude of more than 19 miles. It causes chocking in breathing tube. If it is smelt it causes irritation (itching) it penetrates into lungs more rapidly than sulpher dye oxide and causes serious respiratory diseases. If excessively inhaled it causes lethal pulmonary edema which has extremely mortal effects.

Carbon dye oxide and carbon mono oxide are highly poisonous gasses. Chemical factories and motor cars are the main sources of their emission. Mono oxide coming in contact with red blood cell causes serious damage to human body. It blocks oxygen flow in the breathing tube and penetrats itself instead and causes various respiratory disorders affecting hemoglobin it produces carboxy hemoglobin which adversely affects nervous system. Man is

unable to determine accurate time and is a victim of accident. The symptoms of this disease are mainly found among those who drive a vehicle. It also affects vision. If carboxy hemoglobin is 30% in human body, it causes headache, giddiness, lassitude, if it rises to 40 or 50% man loses consciousness and even it cause death.

Fluorine (F) is a chemical that is very much injurious. If it mixes with water it harms teeth. If it is found in tooth powder is harmful to the tooth enamel. The dentists therefore oppose using fluorine in tooth powder. Fluorine is harmful to teeth and bones some people say that carries the disease that comes rot to teeth and bones is caused due to deficiency of fluorine. But it is not a fact. It comes due to bacterial action which is due to deficiency of nutrition's diet and not taking proper care of teeth.

Modern science has given an opportunity to the affluent people to cause emission of lethal gasses in the air that cause serious harm to human health. Millions suffer every year from cancer. Even DNA is altered, the use of these chemical causes the development of cancer in 10 to 40 years. A chemical may not cause cancer but it comes in to contact with another one, it increases the danger of cancer. Nitrosamine is a chemical that causes cancer. Nitrate in food items or the nature's gas discharged from a chemical factory mixing with Ammonia, it produces nitrosamine and causes cancer, while ammonia or nitrate if not mixed with other gasses don't cause cancer.

The rays released by radio active element and the emission of waste by atomic plants is a death hell for human being. These lethal materials contributed a lot in the climate pollution. When the radio active rays reflect upon human body, they cause many diseases, these rays accumulate in the bone marrow and cause leukemia cancer, in the regions

where atomic power plants are set up or atomic tests are conducted, cancer becomes a common disease there and mortality rate is higher. These effects are quite manifest in USA.

When plutonium mixes the air it produces Aerosol to which can rapidly penetrate into lungs and causes lung cancer. The lethal gas discovered so far it is the most terrible one. It is now being used as atomic fuel.

These are some instances how these poisonous material cause environmental pollution. These are other sections beyond the space that are affected from climate pollution. If seen in an over all perspective it seems that we are standing on a heap of garbage that might cause devastation to the human society any time. This is all that is a gift from our unnatural and false life style. If man returns to nature and lives in conformity with natural requirement pollution can still be controlled. If one reconciles with nature, a better way for others to live in harmony with norms of nature could be found. Natural life style teaches us to give preference to others. It will save man from avarice and would be instrumental in controlling climate pollution.

Come let us be determined that we will not cause ecological pollution. Others like us, have a right to live in peace on this planet.

Water: The Nectar

Life is water, this saying shows the significance of water, According to a scientific theory genesis of life was from water. In the Quranic chapter of Al Ambia, it is said we created every living being from water (Verse-3). According to it man was also created from water. Water is an alixir (Nectar) for every living being. We cannot even imagine of life without water. We may describe it as “Water is the basis of life. Animals and plants need water. Human society will lose its activities if it has no water. Life revolves around it. Human civilization has a close relationship with water. History bears testimony that all the centers of major civilizations developed at river banks or water out fall. Roman, European, Egyptian Iraqi (Mesopotamia) Indian, Chinese and Greek all flourished adjacent to water reservoirs, subsequently they migrated to other places. In the ancient Hijaz and Arabia, history tells us that conflicts were on water for camels. These wrangling later turned into armed clashes and it continued for generation after generation. Father on his death bed would ask his sons to avenge. These conflicts still continue though their nature has changed.

In many countries of today’s world water is the main cause of contention. India, Pakistan, Bangladesh and Nepal are in conflict on the issue of river water fro decades, Even provinces (states) of a country are in confrontation with one another on the issue of sharing river water whether it is Satluj or Kaveri, every state has its own reasons and

arguments. They even don't hesitate in blocking the flow of water to the rival state. Every states wants the union government to adjudicate in the dispute so that they have absolute control on the water. Some intellectuals are of the view that the third world war will be on the issue of water not for oil. Thus water has been influencing world diplomacy. Human acurien and sagacity might resolve this burning issue.

Apart from these man made wrangling there are natural aspects also. Some times drought (shortage or rain) created a situation that goes out of control. Some time flood cause havoc and developmental works are swept away by the flood water. Either way it is ruin and devastation.

Functions of Water:

Water is the back bone for human society. Drinking, cooking, washing, irrigation, electricity generation, and running the industries, all depend on water. 65% of human body consist of water. All human limbs eye, brain, belly and other parts, every cell and tissue has a calculated quality of water. It is water that keeps blood in human body in circulation keeping it fluid. Water helps digestion, the digested food produces blood and it circulates in human body. The blood brings all the waste in human body to the kidney and skin, where the action of emission and ejection takes place in the form of urine and perspiration. If keeps the body temperature normal. Water is essential for all the functioning of human body whether absorption or emission. For hormones and glands also water is a must. Plants, vegetation are also in constant need of water. Desert plant like cactus, which can survive with minimum quantity of water, have water in their juicy tissues. We are aware of the fact, that Arabs during the scorching heat, slaughtered their camels to get water stored within their stomach. Plants also

depend on water for flourishing. Absorption of salts, minerals etc is not possible without water. Extra water evaporates through leaves and makes the atmosphere fine. So water is also an agent like air and animals to scatter the seeds and fruits. Ample quantity of water is available in grains, fruits, seeds, water melon, cucumber, melon, pomegranate orange and mausami have nothing but water. It is commonly used during summer.

It is something amazing that $\frac{3}{4}$ globe is covered with water but this water is not fit for human consumption. The snow on poles or on oceans is useful but man cannot use it. More than half of humanity on earth does not have potable water and use polluted water that is injurious to health. Even to get this inferior quality of water, women and children traverse miles distance. How water affects social life could be seen from a news item that in a village in Rajasthan no marriage has been solemnized for the last two decades as water is scarce in the village and no father willing to marry his daughter to the residents of the village. In Rajasthan and Madhya Pradesh, there are instances, that people through their untiring efforts transformed their barren lands in to fertile one. In major cities we hear of clashes for a bucket full of water. After independence the situation has aggravated further.

However population explosion and increasing demand for water and pollution, changing climate is a serious challenge to our civilized society.

Causes:

As stated above, the so called development has put human existence in jeopardy. With changes in weather, disorder in environment, extreme increase in pollution, have changed every thing. The unpredictable changes in weather is termed

by the experts as alternative situation. It has affected agriculture, its output, availability of water. Even economic and social structure have its effects manifest. Sub soil water level is falling rapidly. Potable water has become scarce to get. Man is himself responsible for it. He has caused his own ruin and that of our plants and animals: an usual increase in population, factories, dams, high rise buildings are coming up rapidly and water is being used for these so called development work. Resources are being wasted; deforestation has affected the natural course of weather. Water availability has become difficult. Industrial waste, human refuse, emission of smoke from factories and discharge of waste material are causing pollution to air and water alike. The heat is causing global warming. No one knows what would be the ultimate end.

Scarcity of water is a serious cause of concern to the expert's scientists and politicians. Various measures are taking up to resolve the crisis. People should also be made aware of it to have an awakening in this regard. Water should be used carefully, other natural resources should also not be wasted and must be concerned for the posterity.

Effects:

Scarcity of water has compelled men and animals to migration. Animals turning to human habitations as deforestation has driven them away from their haven. People kill these animals. Many species of these forest animals are now on the verge of extinction. Pollution in air and water was a problem but the pollution due to radioactive waste is playing havoc with human race and its existence is in jeopardy. These wastes directly affect chromosome. It causes diseases among men, animals, crops and the pet animals. These effects will even put the health of our posterity in peril.

Water and public health:

Water is a natural blessing. Its uses have been noted in the above paragraph water is a panacea. The salts, minerals and other compounds that are found in it are essential for maintaining human health, spring water in some regions contain some chemicals superstitious approach make it a miracle. Hot water of Mini Karam (Simla) and vajreshwari (Maharashtra) have sulphur and other minerals that heal skin infection. Thousand of people coverage there to have a bath in that water.

On one hand water protect, health but on the other there are certain water borne diseases like hepatitis B, Jaundice, cholera, dysentery other disease of intestine. Some harmful germs find their way in to human body through water. Polluted and stagnant water are the breeding points of mosquito and larva. Water discharged from chemical factories, medicine manure factories have poisonous elements that cause various diseases among human florosis goiter, fibrosis and bone diseases spread mainly due to polluted water. Mercury, lead arsenic enter human body through water and cause serous diseases. The water near coal mines and metal mines causes asthma constipation, indigestion and other intestmal disorders. In Bihar and other regions where metal with radio active effects are found, people generally suffer from various diseases that deform limbs or paralyze them or bones lose their action. So pure water is the greatest blessing for all the living beings.

Preventive steps and exploitation:

To day people are very much conscious of their health. The spend lavishly for their better health. Exploiting their curiosity concerning their health some companies offer false

data to promote their business. During the last decade water has become a major industry. Some governments are also involved in this game, besides many national and international companies. As a consequent use of mineral water has become very much popular, gullible people gleefully buy these bottle that have health givng mineral water.

But there is nothing like that, barring some companies, the mineral water supplied in the market is packaged water. It carries the note that it is filtered treated water. According to Mr. Anil jauhari director Indian standard Bureau Lucknow upto july 2004 only 10 companies in our country had the permit (License) for mineral water, only one thousand companies have license for packaged water. So the commonly supplied bottled water is just a filter water packed in attractive bottles. WHO and ISI have a close watch upon these companies. Since there are no effective law, these companies have been exploiting the situation and making easy money. Now these companies are targeting the remaining resources of potable water. They are trying to monopolise these resources to recover exorbitant price of this water. A poor man who cannot spend much on his food is forced to purchase water on higher rates. The greed and avarice of these companies, false planning and mad race for development, has made a natural resource (water) a commercial commodity. If this situation continues we might see in future that in major cities oxygen centers would be setup where busy men will visit to inhale fresh air.

They will pay for it and will move ahead. It is therefore necessary to avoid such a painful situation that we must keep our climate pollution free. The bounties, Allah Almighty has bestowed on us, we should use them carefully. Here were reminded of the Quranic Verse which of Allah's

bounties you will discard and deny. Surely tribulation and visitation forces human being to turn to his Lord.

Floride Pollution in Water

If floride is in excess in drinking water, it adversely affects teeth and bones, one suffers from florises of bones and teeth. In 14 Indian states people have been suffering from florises but Andhra Pradesh is the worst affected state.

According to the data provided by the Andhra Pradesh government there are more than 33000 rural hamlets where people don't have potable water. Some 3000 rural areas are where every source of water is polluted with floride. The statistics available with Raju Gandhi National Drinking Water Mission (RGNDWM) show that in 7548 rural villages drinking water is adulterated with floride. As per the assessment of the central ground water Board 1270000 people drink water that contains floride is 1.5 PPM. This quantity is 10th million part per liter. While 1600000 pollution. Even this quantity is more than the normal ratio as water is much in use in our country.

In Nal Ganda district of Andhra Pradesh, floride is found at the ration of 7 and 8 PPM while its maximum quantity has been reported to be upto 38.5 PPM. National Geo Physical Research Institute director Murli Dharan says that poisonous symptoms of floride are more manifest in Nal Ganda. But it is not the worst affected regional Ananta pur, Karim Nagar, and the coastal regions are more affected from floride. In Mahboob Nagar Guntur and Cudappa villages are (half of that total number of floride affected villages) 2378 in

Gujarat, 1138 in Orissa, 1072 in UP and the Karnataka 860 villages are affected with the fluoride adulterated water.

According to a UNICEF report India is among the 28 countries where drinking water is polluted.

A methodology was introduced in Nal Ganda with the help of Dutch Government to purify drinking water from fluoride, but it could not work. The project came to an end when foreign assistance exhausted, since it was started in Nal Ganda, it was therefore named Nal Ganda Technique. Under this technique Hydrete Aluminium salt was mixed in huge water tank. It caused the fluoride in water to settle at the bottom of the tank and water was free of fluoride effects. To accelerate the chemical action, calcium and bleaching powder was also used, it also killed bacteria found in the water. The project failed as the people could not provide huge water tankers, salt, bleaching powder. This technique was tried at the domestic level also, two buckets of 20 Liter each were placed upon each other alum and home char coal was mixed with the water of the upper bucket. The fluoride settled at the bottom, the water was stored in the bucket placed lower. This process also could not continue as the required material was not provided regularly. People supply depended on government agencies for potable water.

The cases of fluorosis came to light were horrifying. With the passage of time, bones are deformed the bones are crooked to such an extent that cannot function normally. The patient becomes handicap. Teeth are also affected brain development is retarded and eyes are squint.

Dr. Murli Dharan says that fluoride is available at the upper layers of rocks on earth. It gradually affects the underground water. Fluoride quantity is comparatively smaller on the upper layer, as steadily percolates to the lower layers. Rain water has very little quantity of fluoride. The test

conducted in Nal Gunda district show that underground water had 3.7 ppm fluoride, tank water 0.45 ppm and in the rain water it was just 0.08 ppm.

Experiments show that the quantity of fluoride is increasing in the water used for irrigation as it is supplied through tube well that carry it from a deeper under ground level. While earlier it was the water drawn from the well that carried it from the upper level. With excessive quantity of fluoride in the water for irrigation, vegetable and paddy crops have the effects of fluoride. These effects are rapidly expanding tests conducted on water reveals that it is only rain water which is free of fluoride. In view of this fact Sai Oral Health Foundation, started a wide ranging program to store rain water. The construction carried out for the purpose cost Rs 4000/- The project started on experimental basis, half of the amount is paid by the foundation while the remaining half is borne by the government. In 98 houses of vaveli palli village these structures have already came up, other people are also converging to it. In other villages like Ananta Tipu Son Raj Gora, Mada yada palli, people are taking keen interest in it. A major project with Rs 14 crores help from the government has been started known as Nal Gunda Rural Drinking Water supply Project. 94 villages will get water from Krisma river through pipe lines. Under another project started with Rs 94 Crores NABARD finance project. 292 villages will get potable water.

At present India faces a challenge to provide fluoride free water to about 100 million people.

Sound Pollution

Noise is an essential part of today's city life. Noise is every where in the house electric fixture make a noise, on road it is traffic noise, in office it is work noise, in school children make a noise, in factories there is hammers noise. Apart from it in cities there are loud speakers some where band and drums or crackers noise. Thus every where there is nothing but noise. The entire environment is drowned in noise pollution. It seems that every one reacts Mirza Ghalib poetic line.

Let us go to live where there is no one (to disturb).

This noise causes various type of diseases among the residents, hearing, pulptation, tension, high BP heart attack, ulcer, hypertension are common complaints among other complaints nausea, giddiness, eye (pupil) trouble excess of salvia et. The noise we become used to it also causes organic problems like heart tissue, ear, nose and throat complications are worth mentioning. Excessive noise also causes psychological complications like insomnia, tension, depression and phobia.

It has also been observed that the high sounding noise from Terbo Jet cause chest pain to the ground engineers at the airports.

Elderly, ailing, demented weak and children in the age group of 4 to 6 y ears are much sensitive to sound noise. It badly

disturbs their sleep study of expectant mothers show that noise causes excessive heart beating of the baby in the womb and the loss sometimes becomes irreparable. Excessive noise not only adversely affects our health but disturbs our usual functioning. It makes us restless and our working capacity falls. Animals are also suffer from the adverse effect of noise. The ratio of egg laying falls among hen. Even structures also suffer from the noise effects.

Cacophonous sound are the major cause of noise while sounds with rhythm and tune is called music. Even music with loud volume causes noise. To measure the sound Deci Bal digits are used. This called DB. It is named after Graham Bell the number of telephone. One DB is the lowest sound that we hear. For instance in whisper it in 20DB, in conversation it is 40 DB, in the noise of offices it is 60 DB motor horn sound it is 95 DB and in lightening thunder it is 110DB, in crackers sound 130 DB. The sound at the time of taking of Jet airplane 140DB, in space shuttle launching is 170DB.

Our hearing faculty is worst affected by the noise. It causes temporary deafness, permanent deafness by bursting of thin ear cover. Those suffering from temporary deafness due to noise, when retreat to a peaceful place, their hearing is restored. But when it is permanent deafness, it is never restored. Noise of 90 or 110 DB volume causes temporary damage to the hearing. But if one is exposed to this sounds for years together it causes irreparable loss to hearing faculty. Our ear are capable to with stand 120DB sound when it is beyond to this measure it causes damage to the hearing. Even it causes burst in ear, thin skin. There are various causes that affect hearing, frequency of sound, its pressure, its band width, time of the sound and its duration. It has been noticed that African tribal's who lived in deserted localities with just 30DB sound their hearing

faculty was intact. But when they migrated to major cities their hearing was affected and they also suffered from cardiac diseases.

Some people are under misconception that those who are constantly exposed to sound noise become habitual to it and it does not cause harm to them. But the fact is that these people ultimately turn deaf. If noise is more than 50 DB people find it difficult to talk to one another. When noise is 70 DB it is impossible to have conversation, some workers are addicted to noise that unless there is no noise they cannot work properly. Some people like to hear radio music during their working. If this noise continues, it ultimately has its adverse effects on health.

Noise in various cities is of different volume. In major cities traffic noise is very much trouble some. In a survey conducted in Germany it was observed that there were 2.5 million people who live in the regions where noise is a cause of serious disturbance. It does not mean that people living in other localities are not adversely affected from noise. During sleep even low volume noise is quite disturbing even barking of dogs and cat fightenly becomes highly disturbing, even it is in a comparatively peaceful atmosphere of a village.

In a study in France, it was observed that 80% factory workers suffer from headache and neuritis out of 3 workers one suffered this disease due to the noise. In 1973 US labour department concluded that 62% people living in industrial town suffer from deafness. It has also been predicted that during the 21st century 30% population living in industrial township would be deaf.

In India, Indian council of medical research CMR and department of science and technology DST had launched a

joint project from 1977 to 1982 to conduct survey in rural and urban localities. It was observed that noise has affected 10% urban and 7% rural population. They have impaired hearing. It has also been observed that if one listens disco music for 580 day he would turn 50% deaf. Pop music also adversely affects hearing. Those who daily enjoy Rock and Roll music they might suffer noise pollution.

1-Noise could be controlled by making technical changes in the noise producing machines.

2-Noise may be controlled by installing tools that absorb noise.

3-Noise pressure may be reduced by using ear plugs or ear muff.

To control noise in buildings and at work places and noise interior.

Decoration installations may be used. In open planes trees and bushes are instrumental in controlling pollution as well as air pollution. These bushes and trees absorb noise and part of it is dispersed in the air. It is worth mentioning that in USA, green belt installed at Mennapolis, St Paul Air port, reduces noise to a great extent. Research on noise control has shown that noise in offices reduced to 20 DB can increase working capacity up to 9% and decreases dictation mistakes of the stuff upto 29%. The experts have advised the workers who work a the machine making high sounding noise that they should work only for 8 hours day and spend rest of the time in peace and tranquility.

They have also asked the factory owners and engineers to provide sound proofing in machines and other tools and instrument.

Effect of Environment Pollution on the Snow Rockies

In this era of development, world is progressing rapidly. No doubt man has fully benefited himself from this all round development but it is also a fact that subversion and devastations carried out in the garb of development has put the entire human existence in peril. Environmental pollution is the manifestation of this subversion. Man live in comfort and luxury but on the planet man lives, potable water and pure fresh air is missing. Weather has changed in as that it is either drought or heavy rain fall out of it's season and there is flood all around. It destroys standing crops and renders thousand of people homeless. Global warming is on the increase. It is feared that the frozen water in the form of glaciers at the poles will melt due to excessive global warming. It will raise sea water level. Many coastal countries will face serious danger of being sub merged. It is all due to the green house effects, world today is fully aware of all these penile. Steps are under way to control it to save the planet earth from impending perdition. But the developed countries are not willing to curtail their developmental activities and perhaps it is not so easy for them.

The developed countries have misused natural resources to the extent of exploitation and have benefited themselves to the possible extent. But these countries are to day exhorting developing and back ward nations not to use natural

resources excessively so that earth could be saved from crises. But no country is in a mood to cut short its developmental program.

These development programs are the main cause of the emission of green house gasses and global warming is its consequence. According to the experts the temperature has already gone up 10 F as compared to the past century. With development work it will further rise and at the end of the existing century it might go up from 2 to 6 F. It causes melting of water that nature has reserved in the form of glaciers are now started melting. Out of 150 American glaciers, there remain only 30. The wide and vast snow layer of Tanzania had reduced to the extent of 80%. This melting is causing increase in the sea level. During the past century it has risen to 15 feet. It will increase more rapidly during the near future. This increase in sea level, the ocean will expand to the coastal area. Small countries and islands are slowly submerging some of these parts are in the Sunder Ban delta of West Bengal. With this slow sub merging the residents of these islands are facing serious problems of their economic survival but it is also an daunting challenge where to shift the population of these islands.

There is a coastal area known as Kunk Dupe, near Kolkata at 4 hours journey. It is adjacent to Ghoda Mara Island one can reach by motor boat. It is a small Island measuring 5 KM. Its residents are mostly fisher men or paddy farmers. They go to attend their business through motor boats. The residents land is gradually being eroded by the expanding sea water. The Island is surrounded by Hugli River and Sunder Ban Brata and ultimately flow in to the Bay of Bengal. The residents of Ghoda Mara tell us that once the Island of Hadia was so close to Ghoda Mara that the residents of the this Island talked to one another from their land. But now Hadia is to be seen as a small strip of

land in the sea. They also say that when their boat now sail, once there were paddy farms. This is not hyperbolic. Experts say that Ghoda Mara Island has shrink 59% during the period from 1969 to 2001. The experts are of the opinion that as during the last two decades two small Islands Loha Chara and Supuri Danga have submerged, this Island will also be swallowed by the sea in the next 14 years. Supora was a deserted Island. But when Loha Chara was lost in to the sea 6000 Fisherman and farmers were rendered homeless. It has also been predicted that within the next 15 years one dozone Islands of Sunder Ban half of them are populated, would be submerged and thousands of people would be homeless refugees

During the last 25 years Ghoda Mara has been slowly being eroded by the sea. 20 to 15 years earlier its population was about 2000 but according to the causes 2001 figures just 5236 are left there.

Scholars of the school of oceanographic studies of Jadavpur University Kolkata believe that land eroson by the sea, changes in weather and deforestation of Mangrur is mainly responsible for drowming of these Islands. The experts have maintained the record of sea waves at sagar Island during the last 10 years. They have observed the sea level is rising at 3.14 Mm every year. It is something amazing that world ratio of rise in sea level is 2MM per annum. But in Sunder Ban it has been3 MM per annum during the last 70 years. During the last 20 years about 80 KM land of the Delta region of West Bengal has been swallowed by the raging sea waves.

When motor boats reach the Shores of the Island the passengers, residents, jump in to the marshy land to reach their houses. The sea shore land is so marshy that their legs upto their kness are lost in the mud. How they climb the

raised land, embankment that surrounds the Island. This embankment resists the surging sea waves from entering the Island. Such embankment exist on almost all the 54 Islands of Sunder ban and cover about 3500 KM area. These embankments have saved these Island from being lost in the sea. Sea waves rise upto 20 fut. These embankments are very old that came into existence when these islands were inhabited. Those coming over here. First deforested the land for cultivation and raised these embankments. So these is islands are safe from the surging sea waves. These embankments have been eroded by the tidal waves. The salty water not only erodes the land but it makes the land unfit for farming. With the deforestation of Minrose the sea waves have become more aggressive and the islands are losing their size and are slowly going in to the sea.

The experts believe that there is no way out. But the issue involves rehabilitation of 3 million people so the issue will have to be addressed. As per 1991 census figure total population of Sunder Ban was 32,05.528. To solve the problems faced by this population is a challenge. The experts feel that the embankments should be repaired properly and plantation work should be taken up in mangrose forest. It will save the Island from the devastating tidal sea water. Data base of the tidal waves should also be maintained. It will facilitate predictions concerning the tide and steps could be taken to resist it.

When Ghoda Mara is hit by the tidal waves, the residents suffer the loss of their houses, farms and land. They are aware that the size of their lands is shrinking in other words their islands are being gradually swallowed by the sea.

Mr. Kante Gangoli West Bengali master for Sunder Ban Development, says that the steps taken to protect the population from ruin are confined to these islands only.

Where there is no imminent risk, measures have been undertaken to repair the embankments, tree plantation, awareness among the people concerning these problems, Disaster management program subsidy from the government and promoting the use of bio manure. So far the sinking Islands are concerned, the government has no remedy for it at present. Even the scientists have expressed their inability to do anything, we have no option but to rehabilitate these people somewhere else and compensate their loss.

There are about 950 families living on Ghoda Mara like other islands, there is no electricity, no post office, no bank. They live in poverty. Fishing or just a crop in a year is what they earn. They mostly sow paddy but now green chilli and betel leaf is also part of their farming. Even those who own lands find it difficult to make both ends meet. Houses are made of earth (clay) with a roof of grass with just two rooms. Kitchen is outside the house. Vegetables are generally not available or they don't have money to purchase it. Even fish is not easily in their reach. They sell the fish and buy the items of their daily use. On other islands there are no paved roads. Roads leading to mosques, temples or schools are made of bricks. Cycle rickshaws are the only means of transport.

Residents of Ghoda Mara now have nothing but the sweet memory of olden days when every farmer had at least 30 or 20 Bigha of land. Paddy was in abundance and every member of the family consumed it to satisfy his/her hunger. There was no food shortage. These fascinating stories are narrated by the elderly people. Now the young generation relates these stories to their younger children.

As stated earlier, the majority of the residents are either farmers or the farmers who have shared cultivation, the rest of them are

fisherman they all have meager earning. Most people hunt Bagda Shrimps using their net and rear them in the ponds. They go on the embankments to hunt these shrimps. It makes the embankments more dilapidated. The land submerged in the sea water and used for rearing Bagda shrimps. It turns unfit for cultivation. State government is motivating of pisciculture instead of Bagda shrimps rearing.

Experts are however unanimous that these shrinking islands cannot be saved. The only alternative is to rehabilitate the residents of these Islands on the Sagar Island. This Island is also not immune from the sea onslaught. During the last 30 years 20 KM land has been lost to the sea. However, it is said that it will survive for a longer period.

The residents of these islands who have inherited them from their forefathers are nostalgic. It is hard for them to think of departing from their ancestral homes, although they witness the scene of these islands being submerged in the sea.

Ecological Imbalance

Paradise is a place, every one longs to live in. He may call it Jannat, or swarg or paradise, every one irrespective of creed is desirous to find a place in it. From Paradise we mean an ideal place where physical and spiritual peace prevails, Pastures, water canals, and all sort of comforts are available there and are eternal. Hell in this contrast is a place known for torment. The Quran has mentioned how the inmates of both these places will behave there.

The inmates of paradise would be among the trees having no thorns, Bananas heaped upon one another and long stretched shadows, flowing water and fruits in plenty easily available, and never to end, highly raised thrones (Al Waqia 28-34)

The inmates of hell would face simmering heat of wind, consume boiling water and under the shadow of black smoke. It would not be cool or comfortable (42-44).

If we compare these conflicting situations, we will find that these can be experienced on this earth as well. If we go to dense forests not affected by the so called development or travel to a hill station we will experience that we are in paradise. If we go to a major city or an industrial township, we will have the hell scenario before our eyes.

Allah Almighty had developed the earth before the creation of man. Its environment was made suitable to human

nature. Oxygen was stored in the air. Green vegetation was also provide to ensure un interrupted supply of oxygen. Pure and cryocal water was available in abundance, other human requirements were also in plenty. This natural system is working in accordance with Allah's will. It is necessary for mankind to live in conformity with nature.

Almighty commissioned His messengers to preach His laws, man disobeyed and ultimately had to face perdition. Even today the Universal system, its existence on earth proves that those who don't live in accordance with the laws of nature, as laid down by the Almighty will cause their own ruin. The Universe continue toe exist. The Quran says that it (Universe) will exist to a period defined by Allah. We have created earth and heaven and what ever is in them for a definite period (Al Ahqaf 3)

If we cast a glance at the contemporary world, we will find that most of the regions of countries have turned in to hell. Some are affected by drought and famine, diseases, war and clashes. In some areas people are starving while food is available in abundance in some regions but political wrangling does not allow poor to have access to it. If we describe it in one word, it would be Fasad (degeneration, mischief dishonesty). This Fasad caused by mans misdeed will annihilate the entire humankind on earth. Fasad is antynom of reform. If human society suffers from disorder, injustice or subversion (moral degeneration opposed to Allah's destiny) it is Fasad, The Quran has used the term Muslihin in contrast to mischief makers.

Dishonesty in weghing or in measurement, not to pay full wages to the workers, to create economic imbalance and disorder, to usurp people's right. All these are manifestations of Fasad.

To disturb a reformative system and to change the order by sequence is also Fasad (Al Naml34).

Commission of criminal act is also termed as Fasad (Yusuf 73), If we have look at our modern era, we will find that during the last two centuries the humanity has suffered from disruption and dissipation but on the other hand man has made a tremendous progress. With the help of science and technology, it has discovered new bounties of Allah and now is leading a comfortable life. But how these two conflicting thing could happen at a time. The former causing mischief attracts Allah's displeasure, while to go in quest of Allah's bounties through knowledge is what Allah favours. If we ponder upon it fast will come to the fore that those who had the keys of knowledge, their ego is not subsevient to Allah's commandments, they were not believers. The natural resources they declared to be their personal property and plundred and misused them, Allah has made man His vice regent on earth but non believers believe that what they conquered is their fief personal (asset) as they were the victors. This is the fundamental cause that has turned the world in to a veritable hell. Not only the world is like a hell but it is leading humanity to the hell. Those who follow the existing system or control it are wittingly or un wittingly marching in to the hell.

Road Leading to the Hell:

He is the Lord who has made His vice regent, on earth and gave supremacy to one upon another so that He may test you in the things He has bestowed upon you (Al Anam165).

Two points are manifest here:

1-Man on earth is vice regent to Allah that is he has to enforce Allah's commandments on His earth. The second is

that what Allah bestow upon an individual (or a society) He tests how they behave. Whether they share Allah's bounties with others or monopolize them for their own selves. Here the question arises how much one has to use it for oneself and how much gives to others. It has also been made clear that enjoy Allah's bounties but don't waste them in extra vagance, it's is some thing a satanic deed Allah does not like transgression.

If we see today's life style its every aspect betrays misuse and extra vagance. The entire economy depends on consumers (extra vagants). The more a society is extravagant the more resources it will use and produce excessive waste. American society and economy is the best instance of it. The excessive emission of Carbon Dye Oxide a poisonous gas is causing changes in weather global warming will cause the melting of snow on the poles (it has already been noticed). This malting will result in raising the sea level the countries and islands in coastal region will be sub merged.

One fourth of the total emission of Carbon Dye Oxide is from the American factories. Now think of the ration of US population in the world. This small portion of population causes such an excessive emission of poisonous gas (Carbon Dye Oxide). It is the tendency of extra vagants and a societyof extra vagant consumes. The same is the position of other western countries. These people give priority to their own needs. To display their generosity they help others also to be seen as patron of poor nations and the custodian of human rights but infact preference to this own luxuries.

Human greed indifference apathy and exploitation has made global environment filled with poison. Emission of smoke from vehicles has polluted the air. The waste discharged by

the factories has polluted river water and this polluted water is absorbed by the earth even sub soil water, the natural water reservoirs are now stand polluted, mercury and arsenic, the poisonous elements are mixed in it, deforestation has been continuing for the last two centuries for the installation of industries. Deforestation has caused warming in the environment.

Rain fall is now erratic. Many regions are facing drought. The level of sub soil water is falling. Every where there is Fasad (disorder) earth, air, water, environment all are the victims of this Fasad. We are also facing it in the form of shortage diseases of new kinds.

Misdeed of people caused Fasad (disorder/mischief) on earth. Allah will make them taste His Visitation so that they might regret (Al Rum-41)

See, Allah is tormenting us for our misdeeds.

Road leading to Paradise:

The disorder prevailing on earth bears testimony to its degeneration. It is now calling to the believers the best of the people. But also the bearers of divine legacy is indifferent to their obligation. The Ummah has failed to preach and propagate divine message to the humanity.

The system based on justice and equality is the only remedy that can heal the ailing existing world system. The society is in dire need of such righteous persons capable of forming an ideal society. A society where others rights are respected. Members of this society help others and share Allah's bounties with the needy.

The Satan wants to retract him from generosity making him scare of poverty. But he relying on Allah's favour spends in Allah's Cause (Al Baqarah 268).

He is free from vanity. He does not regard anything as his property Allah's fear does not let him create any mischief. He serves humanity as his obligation. He incurs losses but does not cause tension to others. He dispels evil through virtuous deeds. He forbids misdeeds and preaches virtue and himself follows the path of virtue. These are the noble values. Just oral preaching would be of no use these must be practically followed. When Muslims were firm on these values and practiced them, they were the rulers and universalized peace, justice, fair dealing on earth, when they retracted from the Quranic system and followed the diabolical powers, they disgraced themselves and caused disorder on earth. When those who were the trustees of the Quranic Values deviated from the path of virtue, they had to pay the price for the betrayal.

Dialogue on Environment

Mr. Khalid Saifullah Rahmani:

Once Allah's Messenger (Pbuh) exhorted that if you are at a canal, don't urinate in it. It means that he (Pbuh) warned against polluting (Canal) Water. As per Ahadith (Precepts and practices of Allah's Messenger (Pbuh)) while going to answer the call of nature he would go away from the inhabited areas so that the locality does not have the effects of pollution. He (Pbuh) also forbade wanton in burning of trees. He also warned against sound pollution and exhorted not to make noise at markets. Our jurists have even ruled that while leading a prayer. The Imam should recite the Quran in a voice that is audible to the believers following him in prayer, when Hazrat Umar was reciting the Quran in a louder tone, Allah's Messenger (Pbuh) exhorted him to lower his voice.

If we study, the Quran and comments of the Jurists concerning cleansing after easing oneself and the use of water, it would be known how much Islam values conservation and making the environment pollution free. Dr. Aslam Parvez will throw more light on the issue. One more point has been added to the issues for deliberation "Sex education on our curricula". We want to deliberate whether our children need education of moral values or the sex. It is not only our concern but a common concern of all people. Moral education could be a bar against sexual desires or just sexual awareness. This is the western agenda

that our country has adopted. If our Ulama and Jurists explain their stand on the issue it would facilitate the emergence of a bright picture of Islam.

Dr. Aslam Parvez:

I am extremely happy and would like to congratulate the Fiqh Academy that the issue of environment is part of the seminar. The issue of environment is so important, that when we will discuss the issue, we will feel that not a session but a full day is needed to deliberate upon the point.

I have been asked to be brief. Definitely I would try to be brief but the issue is so complex that it demands a comprehensive study, otherwise the issue will remain inconclusive. However I respect fully submit that I will try to be brief. Every thing around us is conducive in the formation of our environment. These are two types of it's parts one animated one and others lifeless. In trees and plants, there are sapling and grown up trees, small and larger families there are plants on earth and in water, among animates there are birds flying in air, animals living in the forests. Some are pet others are wild animals. All these collectively form our environment. The important point is that outwardly these elements seem to be separate from one another. An animal has no relationship with other animals. But if we think of a spiders web or of a more complex not all are connected to each one but have to depend on another.

Among lifeless elements there are seasonal elements. The environment that surrounds us, air and space is part of it. Which gasses are in the atmosphere and their quality in the air. What changes they undergo and how we are affected by this alteration. What is temperature what is the nature of light. Is it complete or deficient It's function in the air and on earth. The different in soil, those coming from Delhi,

will notice that the soil of this region is black what are its components. Those contain billions kinds of micro animates we cannot see them. It is a formidable manifestation of Allah's might. There are the cleaners among these who dissolve the particles. How many types are of mountains, what about water resources, what are the deserts. All these are lifeless elements. Now weather has undergone tremendous changes. All of us have noticed it. It is summer during the winter and winter during summer. When rain fall is needed and farmers invoke heavens for it, it does not rain. It shows the season is in disorder. With changed weather every thing undergoes a change. It affects human being but every thing is directly affected.

80% of diseases are due to environment pollution. Our air, water and our surroundings are polluted. As I have stated environment has a natural balance. There are three types of balances. Balance between animals and vegetation, their existence depends on it. Two gasses, one we inhale the other we exhale. Oxygen we inhale purifies our blood and we experience health and energy in ourselves. Carbon Dye Oxide is the gas we exhale. Another gas is Carbon Mono Oxide. It is extremely poisonous. In winter when we sleep covering our head. With quilt. In such case when we don't inhale oxygen we throw away the quilt that we had on our face we sometimes read in news papers that during winter night, a burning (Stove) was placed in a closed room. In the morning the inmates sleeping there were found dead, The emission of poisonous gas from the burning coal overwhelmed the oxygen and those sleeping died for want of oxygen.

The gas system in vegetation is quite different. Carbon Dye Oxide is essential for them. What the animates discharge from their body as waste, is food for plants/trees. They absorb Carbon Dye oxide discharged by animates is diet for

vegetation. But the balance between these two suffers a disorder it is harmful. We observe that vegetation is now not available plenty. Deforestation is now a business we experience change in the air. We live in over congested towns where air is of a peculiar kind but if we go into forest or open space we will experience refreshing environment. This is the balance that exists between the two elements in the form of ecology. It is called Carbon Dye Oxide because of vegetation.

An other thing that maintain balance is food and its users. For example if snake population dwindles number of rates will increase. Snakes consume rates and restrict their number and this balance is maintained.

Another instance is from UP. About 15 or 20 years ago the issue came up that Cow was a holy animal for the majority community, so Neel Gai (Forest Cow) should not be allowed to be hunted down by the hunters. The ban was therefore, imposed. Within seven years the number of Neel Gai increased to such an extent that crops and vegetation were destroyed by the wild animals. The state government was forced to take steps to curb the menace. It was therefore decided that its name should be changed, Instead of Neel Gai (Blue Cow) it was renamed as blue Gai and its hunting was permitted.

These two instances show the significance of balance and its maintenance. We should know how plants and vegetation work to purify our air. When a sapling is planted and it later grows up into a tree. If it is evaluated by its fruits and wood is also taken in to consideration for such assessment. But you will be amazed to know that trees including Neem and Pipal absorb 2.5 ton of Carbon Dye Oxide in an hour and discharge 2 tons of oxygen per hour in the air. Gas is very light in weight. It is not heavy like iron etc. If we calculate

how much gas tree absorb and purifies the environment it would be mind bogging. Now we talk of the balance that has been mentioned in the Quranic Chapter (Surat) Al Rahman “He raised high the skies and placed the scale. It means that balance should not be disturbed.

Don’t disturb the balance. And don’t weigh less, both the points have been mentioned here. This is the natural balance.

Here we should consider deeply upon the term Sama (The sky Heaven). As lexicon tells that every depression is earth while every altitude is sky. Let us see what is the sense of it. The gasses that are in the air at the altitude provide a cover to protect our environment. Allah Almighty has created this balance. We must not alter it by means of adding or decreasing. It should be maintained in its natural form. This is the significance of this balance.

Now let us turn to the reservoirs that are available on earth. These are in a limited quantity and in a measured way. Allah Almighty says There is nothing the treasure thereof is not with us what we bestow upon it is in a measured quantity. Here measured term is very significant when Allah created earth He provided a measured quantity of water in it. We know that the planets other than the earth only give us light and nothing else. The rain fall is also a part of this planet as clouds are formed within the environment of this globe. The sun, the moon and other planets give us light only what ever is on earth is for the use of the inhalitants of this planet, (the earth) from the very first day of creation till the doorms day Allah has provided for us.

The water, the Oxygen and other gasses are for our use. We are also the custodian of these natural resources. Now it is

up to us, we may use them consciously and preserve for our posterity. These resources provided to us by the Almighty are limited as well as measured.

Another very significant point is that the distribution of these resources is in perfect harmony and equity. In sura Baqara the Quran says that Allah has created for you what ever is on earth. So the equitable distribution of these resources as well as social justice is the best agenda. What ever has been created is mentioned in the Quran as the sign of Allah. What ever is on earth or between the earth and heaven all are the signs of Allah the creator. Another point is that these creations are Muslims because these are subservient to Allah's commandments. We may follow this subservience through an instance. Every plant absorbs water from the earth. No one has ever seen that plant or tree cause the out flows of water from their roots. Because plants work under the commandments of Allah It absorbs water and salt from the earth. It is the mankind who have been given the liberty to follow his own desires or the path of divine guidance. All other creations function in accordance with the laws of nature as enjoined upon by Allah. Allah has commanded that all the natural resources are meant for all we can see this manifestation in the universe.

Allah in the Quran repeatedly draws man's attention towards these manifestations of nature. The natural resources in the universe are meant for mankind and other animates as well. Earth (soil) needs water when Allah sends down rain the earth is revived. Vegetation grows on it and it flourishes. This vegetation works for earth stability. Its roots keep the earth in their grip and it stays firm. But when there is no rain fall, the earth suffers badly no vegetation grows in it, its soils is either swept away by the water or blows up in the air.

Erosion of earth is a crucial issue. It is eroded by rain fall also water is life for earth. It is like dry soil in a glass. Those who enjoy natural resources Allah has favoured them. It is like a society where distribution of natural resources should be in an equitable manner. The water if poured in glass with dry earth, the soil will absorb it as it has been bestowed upon by Allah Almighty. This equitable distribution is the law of nature. The water where it is in plenty it goes to the region where it is deficient. This is what Allah has said whatever has been created is meant for all. This is the law of pervasiveness. If we pour water on dry earth, it will flow to cover all the earth. Even gasses Oxygen and Carbon Dye Oxide. If the organs of our body brains etc don't work as per the law of nature, we cannot survive even for a second our blood, hemoglobin that flows in it and gasses that function in our body are bound to work in accordance with nature. The wind blows in the environment under this natural law where wind is not in plenty it's pressure is low hurricane covers up this deficiency in the air. It works under the commandments of Allah and maintains the balance. Revival and renewal or refreshing of the natural resources is also law of nature. All the resources on earth are limited and these are refurbished as commanded by Allah Almighty.

I would like to draw your attention towards Surah Al Rahman that every thing is to perish. This perishing is also a blessing. But what is the sense behind it there are two points in it Mortality of every thing and immortality (eternity) of Allah Almighty. We know that what ever perishes on earth, it is dissolved. If an animal dies only its bones and skin remains other parts are dissolves. These dissolved parts of animal body bring fertility to the land. So if something perishes or is dissolved it cause life to others. I may substantiate it through an example.

I live in Zakir Nagar. Batla House is a colony adjacent to it. There is a vast grave yard at Batla House, when I will pass away, I would be buried out the Batla House grave yard. Nitrogen and other chemicals of my body will mix with the grave yard earth as my dead body is dissolved. Plants will grow on my grave having parts of my body's chemicals. Goats/Cow grazing there will eat these plants and grass, when the cow having consumed the plants on my grave is milked, the milk will contain parts of my body. My grand son will go to the milk vender and purchase the milk in which the salts/chemicals of his grand fathers body are available.

Now remember the Quranic Verse which of Allah's bounties will you deny.

This is the balance Allah Almighty has provided. These Quranic Verses give a new force to our conviction and we are reminded of Allah's glory. It also shows that dissolution of every thing is necessary. Suppose if some one throws the garbage of his house hold packed in a plastic polythine bag, it mean he has blocked the natural process of dissolution. Plastic has no quality to get dissolved. Every thing created by nature gets dissolved. Now the use of polythine bags has been declared prohibited what we manufacture does not dissolve because we don't know the wisdom behind the natural instinct of dissolution, we don't have the vision or insight of divine creation.

There are countless insects on earth. It is a scientific fact that the insects we can see on earth, much more micro insects are under the earth that we cannot see with our naked eyes, only through magnifying glass we can see them. These micro insects dissolve particles and turn the land fertile. The fascinating green scenario we see with our

refreshing eyes is the result of the function of these minor insects.

Kindly recall where you had travelled to and found the most transparent and crystal water. Similar earth was bestowed upon us by Allah that was covered with greenery. Then what happened. The Almighty commandment was “don’t cause mischief on earth when order prevails there (Al Araf 85)

Fasad:

Now let us see what is Fasad mischief/ disorder/ degeneration. It means depression or brusting, Lahm-e-Fasid, is the meat that is rothem and discharges bad smell and not fit for consumption. Fasad is antynam of reform. The term stands for disorder while reform stands for order and peace you must have seen the manifestation of Fasad. Pollution, where stinking water is discharged we quickly walk past the spot putting a handkerchief upon our nose. We never feel that as the best community we are bounden to reform the evil. We don’t try to convince those responsible for this disorder not to cause degeneration or imbalance.

The factories discharge their fluid vastes. This chemically polluted water, seriously affects the fertility or our earth. It goes down in to the earth and sub soil water, is contaminated. This water stagnates in depressed land and in ponds. The impoverished and squalid that have no money to purchase bottle of potable water consume this contaminated water from these ponds tanks and suffer from serious ailments.

Now imagine what happened to the one who drank that contaminated water, discharged from chemical factory by some unscrupulous ones. The poor man is paralyzed

suffering from skin and other disease. Boils and blisters spoil his skin, its color is changed and an ulcer develops. He is unable to earn his livelihood. Who will look after his family. The chemical waste emission from these factories contains mercury, arsenic, lead and other chemicals that are injurious to human health. The colored water coming out of factories stinks. But nature is on work to cleanse it. The water containing gas and other chemicals cannot be purified. Nature has no remedy for it. These poisons have not been produced by the nature. Allah is Merciful and kind. He loves man He has not created these gasses. It is man who is the manufacturer of these lethal chemicals.

Now let us turn to air. Dense smoke going up in to air we all notice it. No one cares. When factory is there it will discharge the smoke. But we don't care to see that when technique is available to purify the smoke before it is discharged. Why this process is not being followed. Similarly the contaminated water can be purified before it is let out but the management of the factory unwilling to do so as they will have to spend money on it. They want more and more profit but no spreading. In the developed countries where people are alive to their rights and health care they don't allow the factories to discharge chemical water unless it is chemically treated and purified, only then it is allowed to flow in to rivers. Emission of gas is allowed when it has been purified.

Concerning diesel, a cartoon in an Arabic news paper captions "It has killed us" we like to purchase vehicle run by diesel as it is cheaper and its maintenance is not costly.

In India it was petitioned before the Supreme Court to ban the use of diesel run vehicles. But the industrialists who produce diesel vehicles have political clout and the petition is pending for the time being. We only see that diesel is

cheap but don't see the pollution it causes. The awakened people will ensure that such vehicles are not allowed to come on the roads. Only trucks may be allowed. But as long as it does not materialize what would happen no one knows.

The air pollution has universalized disease of respiratory system 78% Delhi Wallas suffers from it.

Children in the age group of 5 to 12 are main sufferers. Their childhood is ailing, their youth full age will be that of the one suffering from respiratory disorder as asthma persists longer. The dense smoke discharged by trucks goes in to our lungs through mouth. Nose and throat. It cause TB and cancer. Most of the cancer cases are caused by this smoke. This smoke and contaminated water are main causes of these diseases.

The Quran mentions of Muslihin (Reformers) as a contrast to those who cause mischief. This point should be taken into consideration I am a student of modern science what I know I have put it before you. It is the duty of our theologians (Ulama) to decide what step is to be taken.

The newspapers report of acid rain fall. It is extremely injurious to human health and stalling crops. The emission of gasses in to air reaches out to the clouds. When it rains the acidity that had caught up the clouds caused acid rain. In India and other countries acid rain has played havoc. Fish die of it these dead fish float on the surface of water we purchase these dead fish from the market. We consume these fish killed by the acidity what would happen to us after we consume these fish.

Allah gifted this earth to us as a blessing and it was exhorted. Don't cause mischief on earth when there prevails

peace (reform) (Al Araf 85). This pure water and air is reform (order) don't disturb it. The pollution in the air, water, deforestation all are the manifestation of Fasad.

So fear Allah and be obedient to me. Don't be among those who trespass and cause mischief on earth and strive to ensure reform.

It is worth considering that when Quran talks of belief it at the same time conditions it with righteous deeds. Those who don't follow it are transgressors.

It is mischief and those who commit it are mischief makers Fasad mischief (disorder) is different in every era. Today these pollution factors are Fasad. The believers should come forward to reform it, to save humanity from annihilation.

Praise be to Allah who sent His slave with His Book. It contains no wrong. It is to save people from torment. Communicate good tidings who believe and perform righteous deeds. There is reward for them and everlasting reward.

Resolutions:

Ecological conservation

Islamic Fiqh Academy India founded in (1989) held its 17th Fiqhi Seminar at the renowned Islamic Educational Institution Darul Uloom Shaikh Ali Muttaqi in the historic city of Burhanpur Madhya Pradesh India. About four hundred Muftis (Scholars having the authority to issue a religious decrees fatwa) and some exports participated. Representatives of every region from Assam Kashmir to Kerala attended the Seminar. Eminent theologians well known (Ulama) from all the religious educational institutions (Madrasas) and scholars from every Islamic Sect were also present at the seminar. Apart from the Gulf State of Qatar a delegation of jurists from Iran also participated. The seminar was held on 5-7 April 2008 it held eight sessions in all.

Ecological conservation, sex education in the educational institutions, some modern methods of treatments during a fast and about crowding a journey were deliberated at the seminar. All the issues were decided with a consensus except the one, on which there was difference of opinion. The following are the decisions taken at the Seminar:

Allah Almighty has created this world to be inhabited by human being. He has also created conditions conducive to make it comfortable. But some of these things cause pollution. The Lord of this universe has also created means that work to dissolve the pollution and save human kind from the injurious effects of this pollution through this process. After dissolution these elements cause improvement to the natural system of this universe. There is no doubt that the industrial revolution has provided ample comforts of life to humankind but at the same time it has causes extra ordinary air, water and sound pollution. It has affected the equilibration of weather. All sort of diseases have cropped up. The scientists are of the view that if it was not controlled the consequences will be disasterous for the humanity. The science has also suggested the ways to absorb the elements of pollution. But to get maximum production through minimum expenditures the industrialists are not making use of it. It is some thing despicable in term of Islamic and humanistic values.

The following resolutions are adopted in this perspective:

1. It is incumbent upon the industrialists that if they go for an industry that causes pollution they must use the means that could dissolve the pollution, to avoid detriment to the environment and there by save humanity from the adverse effects of pollution.
2. The advent of multinational companies no doubt, is advantageous from some aspects as there is competition in the market and consumers get better quality products but these industries have brought along with them the industrial wastage and various kind of pollutions. This seminar

therefore demands the govt. of India that all the companies whether national or multinational must be made liable to abide by the laws enacted to keep the environment pollution free.

3. The dangers the world is faced with due to environmental pollution are mostly from the developed countries. To earn more and more profit and to get cheapest products, they did not care to make their industries environment friendly, nor did they use the means to dissolve pollution, so much so that now when the pollution has become a formidable threat, they are unwilling to own their responsibility. This seminar urges them to be alive to their responsibilities towards humanity and appeals to the government of India that being the largest democracy of the world and a major world power it should try to make the developed countries to shoulder their responsibilities.

4. All the country men are also urged to keep their environment pollution free. They must avoid to do anything that cause pollution in their localities and is vexatious to others such as to answer the call of nature in the open, to make open drains out of ones house, to throw dirt or filth in the stored clean water, etc. It will save the society from dangerous diseases and other detriment.