

of thoughtful, committed chize can charge the world. Indeed, the only thing that over hos.

Margaret Mead

30th April 1994

· SHERRE'S AGM M EARTH DAY

- PILES STUDY
- APRC STUDY
- # PROFILE P.S.J.O.M. J.D.HAUR
- # TUCN HITH G.A.
- ON SLAPP MUSTS ■ ENVIRONMENT CO-ORDENATOR
- POCLUTION OPDATE
- N.O.O. PORES

PRESS CONFERENCE

UNAUTHORIZED BUILDING CONSTRUCTION AND ILLEGAL CONVERSION OF LAND USE IN THE CITY OF KARACHI.

HEHRI-CBE held a press conference on 6 of April '94 at Hotel Metropole to draw attention to the extremely grave situation facing the city due to the ad hoc changes of land use and illegal construction

The press conference was addressed by Mr. Kaiser Bengali, A qualified and experienced urban economist (attached to the Applied Economics Research Centre of the University of Karachi) Mr. Kaiser Bengali is one of the founder members of Shehri

Addressing the press persons Mr.Bengali pointed out that the state of affairs in the city is such that the city appears to being held ransom by builders and developers

in the last five years alone there have been over 200 cases of illegal construction in the city

mafia. He said that it seemed as if the authority of the state and the executive authority has been rendered irrelevant by the builders mafia. He said that even though there is a whole range of zoning and building laws and bye-laws these are being violated with impunity. When

whenever there have been attempts by the residents of that particular locality to organize themselves and to protect their locality they have been silenced by the terror tactics of the builders.



In this world of imitations, we give you the genuine in 99.9% pure copper

trachisted of 1960 at a MICC Cormann Associa-Cables is the country's prosprintfollowing territorial bross surrougners of 1950

卷

TRUSTED NOT TO COMPROMISE



Mr Kaiser Bengali addressing the pressconference

citizens seek redressal through the Courts of law, Court orders are flouted with contempt with the government agencies acting as silent spectators or willing collaborators.

Kaiser pointed out that in the last five years alone there have been over 200 cases of illegal construction in the city

permission of the lessor(in this case the President of Pakistan), shall result in the forfeiture of the lease and return of the plot la not a single case has this clause been implemented.

Mr. Kaiser acknowledged the support of the judiciary by calling for the demolition of illegal structures. He added that the

main culprit in this drama apart from the builder and the developers, is the KBCA with a supportive role being played by the KWSB and KESC, as KBCA is well aware of the zoning laws and the violations being comitted against them

which are either under way or are already complete, all of them on illegally converted residential plots. This type of conversion of land has serious negative effects on public utilities like water, sewerage and electricity etc, and is adversely affecting the health of residents of those areas. The density of traffic, noise and air pollution is extremely hazardous. Emphasis was drawn to the fact that the main culprit in this drama apart from the builder and the developers, is the KBCA with a supportive role being played by the KWSB and KESC, as KBCA is well aware of the zoning laws and the violations being comitted against them (he showed documentary evidence to support this contention). He drew the attention of the press to one particular case where the construction is going in full swing even after a stay order from the court and a written acknowledgement of knowledge of the case by the KBCA. To support this Mr, Kaiser gave a sample list of plot numbers, maps and photographs showing where illegal construction is taking place or has taken place. He also presented a written acknowledgement by the KESC admitting to giving temporary connections to enable the builders to temporary complete the construction.

Mr Kaiser alleged that whenever there have been attempts by the residents of that particular locality to organize themselves and to protect their locality they have been silenced by the terror factics of the builders. A case in point was the attack on the Shehri office and its workers tast October 193

Giving an example of official apathy,he said that clause 7 of the lease agreement in PECH Society states that the plot and building should be used for residential purpose only and any change without the

deliberate inaction of the executive authority in carrying out the orders of the court was rendering the court orders meaningless

Un behalf of Shehri, Mr Bengali, demanded of the civic agencies which are funded out of tax payers money to enforce the law, and perform their functions effectively, and not only carry out token demolitions, and that the Federal and provincial government bring the culprits to book, Mr.Kaiser presented documentary evidence supporting the press release which contained a list of plots on Khalidbin Walced road e.g. 111 B(300 sq yards),111 N (300 sq yards),125 U (300 sq yards),161 D (1000 sq yards),168 D (2000 sq yards), The 150 A,B.C (1000 sq yards); 113U (300 sq yards); 154 A (1000 sq vards); etc which were all meant for residential construction but on all of them high rise buildings or car showrooms are structed

Another list showed the number of illegally constructed marriage halls in the city. In Scheme 24, out of the 26 marriage halls in that area 13 are on residential and 9 on amenity plots and 4 on commercial plots. Out of the 44 marriage halls in Nazimabad and North Nazimabad 41 are on residential and 4 on amenity plots. He gave a list of a number of other illegal constructions as well

Later on the press was invited to ask questions:

One journalist wanted to know if this work would go beyond just raising these issue in a press conference To this Mr Bengali said that Shehri has been working on this issue since the last 5 years, but it cannot go on without the support of the

Continued on Page 2

EDITORIAL

ENVIRONMENTAL HAZARDS OF INDUSTRIAL ORIGIN.

usidious and continual contamination,pollution and poisoning of our life support systems is the " price " we must pay for living in the cities and towns of Pakistan.

Whether it is the air we breathe pollited by vehicular emission, or the Paler we are forced to drink contaminated by chemicals and microbes or even the food we eat which contains steroids and other chemicals that have entered the food

chain, we cannot escape the toxins To escape the despair of this reality we all try to look away or not take cognizance of this slow poisoning process of ourselves and our children. We try to shut these awful realities from our minds as we are well aware of our own helplessness in the face of the forces that perpetuate the poisons. Every once in a while however, something happens, of larger proportions. Not insidious, not slow, but rapid and obvious, making us sit up and take notice inspite of

During February March and April '94 at least four such incidents of grave magnitude have taken place These have been mentioned or reported in the mass media with varying degrees



Will this be of our coastn creatures:

of detail and accuracy

All the incidents involve multinational establishments, with excellent public relations and resources These have been efficiently mobilized to dilute and mitigate whatever investigative journalists or reporters may have had to say or report on the environmental

impact of these 'incidents'. Needless to say that the poor mostly illiterate, hapless citizens who are the real affectees don't really figure in the contentions dialogue and debate that becomes sellable news

Shaheena Arslan of Shehri has compiled the following reports, from the daily newspapers and information disseminated by NGO's.

The CIBA-GIEGY Scandal.

A huge fire broke out in the old ware house section of Ciba-Giegy in the afternoon of 11 April '94. No one was reported injured from the staff or the workers. However firemen, sustained injuries, of which three were reported to be have been in a serious condition.

According to one report, at the time of the fire there were 85 tons of liquid compounds, namely Monoprotophos, Trisulpher and Metaloxyl, in the old ware house, which was to be shifted to the newly built stores the next day According to another report the chemicals had been dumped in the open space the day before the fire broke out as the warehouse was to be toured by city journalists, and the multinational wanted to present itself as an "environment friendly" industry. Apparently the chemicals were left in the open, even though it was fully well known that the chemicals were highly inflammable. According to Ciba Plant Manager, Tariq Alauddin, the material that was kept there - Novaron and Polytrin-C are inflammable " as it evaporates easily" A fact that needs to be emphasised here is that Ciba Agro factory contains highly toxic chemicals, and is situated in an area which is surrounded by four flour mills, and the Pak Oxygen Plant (which prepares clinical oxygen for patients)

Ciba officials have admitted that they do not have any instruments or methods to check the density of pollution such an incident can cause, The factory has been operational since 1974, and since toxic and highly explosive petroleum based chemicals are processed here the factory should be registered under the Explosives Act, but apparently the factory has applied for registration under this Act only recently and the application is still under process.

The toxic fumes from the fire have resulted in cases of vomiting, itching and in some severe cases, unconsciousness,

According to the chief fire officer,the quantity of water used by the fire fighters was 350,000 liters, out of which 175,000 liters of highly contaminated and toxic waste water was finally drained out in the sea coast of Hawkesbay through the local sewerage system. According to one environmentalist Dr.Parvez Naeem of the IUCN, the highly contaminated water will disturb a lot of small organisms like worms, beach fleas. sea-shells, snails, small crabs which live just below the upper layer of the beach sand. It would also disturb the mangrove forest along the coastal line, and the migratory wildlife of the area like the flamingos and other water fowl.

In short it may have already played havoc with the ecosystem of the coastal belt along Hawkesbay and Sandspit and done irreparable damage

The CHOLISTAN DESERT

Scandal.

Succumbing to the continuous pressure of the Sindh administration to shift the expired pesticides from their

Continued on Page 2

SHIEHIRI

206-G, Block 2 P.E.C. H.S. Karacha 75400, Pakistan, Tel, Nos.: 441769, 442578 Fax: 92-21-438226

Editor: Humovo Rahmar

MANAGENG COMMITTEE:

Chairperson:

Navaid Husain

Vice Chairperson: Qazi Faez lsa General Secretary: Humaira Rahman

Treasurers

Khark Amile

Donish Azor Zuby History Johns Fathor Arw

SHEHRI STAFF

Coordinators

Asst. Coordinators Amich Gail Ani Damien Office Acet

Asst. Publications: Shoheena Arslan

Incharge Logal Cells No. Arms Al Bha

SHEHRI SUB-COMMITTEES

- Pollution subcommittee
- Conservation and Hertoge
- Modio and Outract subcommittee
- Parls and Repression (Development
- Fund Roses subcompetes Subcommittee manifemble is open to all members of SHEHRICSE.

Reproduction of articles is welcome providing the source is disknowledged

onclos/news from gualahed in the SHEHR) navaletter do no mecessor by a the views of the Editor/Editorial Board

Contributions are welcome, invested combuos mode contact he SHEHR office writen guidelines



Language Frequency:

Place of publication: Karad Distribution: (Nationalda Nationvida and Hercotonal (2,000 Cooley)

Paper:

Mechanial Obtack 16.5r22.5rclim

TARIFF ALL ADVERTISÉMENTS ARÉ 9X5 CM IN SIZE

Front Page: Rs 1.500 Block and White Rs. 1.200 Inside pages: 8± 500

SHEHRICBE appeals to all Corporations/Multinational/Banks and others to support the printing and publication of our newsletter by providing us with advertise ments

The article entitled Environment and Health - Chemicals, lifestyles and the biving mart printed in the March 1995 Le was written by Dr. Belmouz Hashim M.D. M.P.H., More ben SHEHRICBE His name was indownently left out and the area is regreted.



PRESS CONFRENCE

people in the city Replying to the same question he said that the destruction of an illegal structure near the Mazar-i-Quaid is a

ul from Paye

source of great encouragement. Barrister Naeem-ur-Rehman, a senior lawyer said according to the law no mity plot can be converted for any other purpose but the KDA and KBCA are not following the law. The KDA officials have even admitted in that they have to obey the order of their superiors whether they are legal or

The question of whether the vast discretionary powers given to the head of civic agencies is responsible for the conversion of land use was answered by Barrister Nacom-ur-Rohman in the

He categorically denied that any soci powers are given to the heads of KDA or KMC and thus the conversion that are allowed are absolutely and totally



EDITORLAL

Province, the Punjab Plant Protection Department which owns nearly 70% of the 35 year old expired toxic and non-degradable agro-chemical,rs all et to dump the toxic chemicals in the Cholistan desert. At present they are lying at the Sindh Agriculture Department at Malir Extension In January 1994,a private firm Agro

the warehouse was to be toured by city journalists, and the multinational wanted to present itself as an " environment friendly" industry.

Chemical was susigned the task of packing 46,657,75 liters of liquid pesticides and 366,166.85 kilogram of solld texic material for disposal

these pesticides, Chemical like Clora compounds, Mercury, Copper, Cyper Methane, Pre Methane etc, have been packed in bags which are generally used for packing of common fertilizers.

The President of SCOPE Mr. Tanvir Arif has voiced his anxiety regarding the environmental disaster this may result in if these pesticides are dumped in the Cholistan desert without taking adequate precautionary measures. He said that ordinary bucial of these is not advisable. Standard methods of land lining are required to protect the ground water for such dumping of toxic materials

SCOPE was of the opinion that controlled and complete incineration of these chemicals was the safest and cheapest method of disposal.

The representative of Punjab Plant Protection Department Mr. Karamat Ali admitted that the green signal for moving and dumping of these pesticides was given in January last by the Punjab administration, but the specific area where the chemicals are to be buried is yet to be identified.

He said that for the transportation of

these chemicals a private truck owner been contacted but he acknowledged that this exercise was carried out without the knowledge of the Sindh government, and nor does the Ponjab Plant Protection the Ponjan Fram.
Department take any help from the Sindh Government for the Sindh Government for the transportation of these chemicals.He said that after they receive the green signal for the transportation they will inform the Sindh Government. The shifting of the chemicals would take

two to three weeks

The dumping site was identified in 1956, when USAID started to send pesticides for the use of farmers but quily a part of these were used and the bulk kept piling up till the early 70s. The site was means to be used as a distribution point.

SCOPE said that the samples for analysis taken by the H.E.J. Research Institute of Chemistry of the ground water of the area where the pesticides presently stored revealed substantial quantities of highly toxic material. The report stated that the Kelthane-MF, had deteriorated into 18 residual compounds. Solvirex-T. which is one of the most dangerous ocsucides was still stable

SCOPE said that these posticides ving in the open analy-badly corruded storage the last 35 were lying in the open atmosphere in conditions since the last years, which has led to ted to the transformation of these chemicals into highly explosive material, and there were fears that an accidental fire while it is being shifted may result in the Union Carbide(Bhopal) kind of a

The ICI Scandal.

A commeridable step taken by the Federal Communication Ministry is the cancellation of permission granted earlier to ICI to domp its waste in the open sea. This step was taken after it was learnt that glycol waste from the ICI's Sheikhupura Road Polyester manufacturing plant contained beavy concentration of some deadly metals,the dumping of which could play havoc with marine life. The permission had been granted to ICI for dumping of waste by the Karachi based Port and Shipping Wing of the ministry on the recommendations of the National Institute of Occanography (NIO).

According to press reports the company intreded to dump 4,000 drums (of over 200 liters/ kilograms each) of the deadly glycol waste containing extremely high concentration of antimony, cautmium and highly active aidehydic group of chemicals(besides many other hazardous impurities) in the sea some 200 miles off the coast. According to press reports, the multinational has dumped similar hazardous waste, with the government's permission in the sna at least twice in the past.

The report of NIO on (the basis of which the ICI was given permission to dump highly maio waste glycol waste), says that,

"Antimony is substantially toxic to planktonic life and significant increase in Antimony level in sea water may cause danger to early stages of marine organisms which are planktonic and ultimately the living marine resources may be

affected." It goes on to say.
"Anumony is less toxic to fishes than humans but broaccumalation of Antimony may take place that may cause hazard to aquatic life and ultimately through the food chain to human health."

A senior scientist of ICI who wanted to remain anonymous said that NIO's report was based on the analysis of ICI's waste done by the Pakistan Council for scientific and Industrial Research (PCSIR) which did not

Ciba Agro factory contains highly toxic chemicals, and is situated in an area which is surrounded by four flour mills. The Pakistan Oxygen Factory (which prepares clinical Oxygen for patients)

show high concentration of Antimony. But a recent analysis of the same waste samples taken by the EPA Sindh, and carried out by



Thre park thed before a was born due to contaminated ground water from nearby u

the PCSIR shows that untimony was present in much higher concentration. According to that name scientist the danger is more grave as the quantity of waste is very high (800,000 kitograms), and after high feedbank knommans, and after this is absurbed by the fish, the antimony could enter the food chain and effect human beings. Apparently it is not only carrinogenic but also affects bonce and the pervous system. The ICI has tried to make its stance more acceptable by issuing a statement to the effect that the earlier permission which they had received allowed deep (2756 feet below sea allowed deep (2750 neer bernw sea level) sea disposal under the strict supervision and scratny of Martine Agencies beyond the Exclusive Economic Zone of Pakistan and validated by the Internationally enowned Brixham Environmental Laboratory in the U.K. And that the toxicity of the glycol waste has been tested by the HEJ Research Jestifure of Chemistry. The experiment was carried on shrimp larvae and was declared to be harmless to murine fife At the same time the Chemical Examiner of Sindh also found the samples non-toxic.

The Fuel Research Center of PCSIR however found widely varying concentration of Antimony and Cadmium in the samples given by the ICI for analysis. The matter is still under review at the EPA Sindh, and the multinational hopes for a positive

DANISH CHLORINE-PLANT Scandal.

This was brought to our notice by SDPI who in turn had been alcreed on this issue by the GreenPeace (an International environment agency with offices almost all over Eur In 1991, the only Danish chlorine

plant left in the country was shut down due to its negative environmental impact According to Danish newspaper reports the plant was sold to Pakistan. The owner of the plant is not willing to give the name or the place of the buyers in Pakistan

The equipment involved is mercury cells for chlorine and caustic soda production, considered to be the oldest and dirtiest of the three major technologies for chlor-alkali production. As the use of mercury cells resulted in terrible mercury contamination, it was decided to phase out chlor-alkali production in Europe by 2010.

Thus many European based plants were dismantled and exported to the 3rd World. One such plant had been set up in Elpesa Nicaragua in 1968. The government held 48 percent share in the plant, while the rest of the shares were held by two families. The plant produced chlorine and caustic soda from salt using the mercury cell rocess, a technology licensed by the Stamford, Connecticut based Olin Corporation, which operated a similar plant in Ningara Falls, Almost immediately after it was set up, in 1969, a study traced mercury pollution in Lake Managon to the plant. Another study which was conducted in 1980 showed that the plant had discharged 40 tons of mercury into the lake over a period of 13- years making it one of the most polluted lakes in the world. In addition the nearby Lagoon, was also

prisoned as were the workers of that plant. In 1980, 37 percent of the workers showed evidence of mercury poisoning, including general nervous system damage.

The plant in Nicuragua was ordered to be shar, but the company tried its best to keep it open under the pretext of modernization. After a long struggle the plant finally closed down in January 1992.

A spokesperson of the Nicaraguan Environmental Movement said that out of the 150 workers in Elpesa 80 workers have been poisoned by

mercury or chloring Mercury was not the only pollution problem as periodic release of chlorine gas was common. One such release resulted in the evacuation of 200 families and more than fifteen were hospitalized in Chidad Sandino. During the same period the Olin Corporation factory at Niagara Falls in U.S. was using mercury in its chlor-alkali plant with at least 25 toxic chemicals, including six carcinogens. In 1984 Olin entered into an agreement with Do Post to finish the cleanup of the Gell Creek 🛦 Ningura River tributary. This eleanup left a 4 foot deep mass of texts waste at the creeks entrance. The sediments contained mercury, solvents, organic chemicals and PCBs parts per million.

The end product of the plant, chlorine, is the building block of substances such as dioxin, PCBs, Ozone DDT and cating chlorofluorocarbon. There is a long list of the poisonous effects this gas

am on human beings. Olin had to stop using mercury cells for chlorine production in 1990 in Niagara Falls

Apparently Pakistan already has three mercury cell plants, as well as a diaphragm plant (which uses asbestos) and three or four membrane plants. So it is possible that these cells will be sold to an already existing plant to replace old cells. The workers, buyers, and government need to be aware of the fact that these cells are already 20 years old and are considered hazardous by the Danish

Conclusion

The above incidents amplify the need for more vociferous and effective EPA's in the country.

Ordinary citizens, those affected and those concerned, should not have to rely on newspapers for accurate assessment. They should not have to run from pillar to post for redress or to register their protest and concern.

Multinational companies have played havoc with the environment of many 3rd world countries. Stringent controls and an educated public in their countries of origin make it less profitable for these

companies to operate in the west.
The protection of our citizens and
our environment is the responsibility of our government and our institutions, and unless they rise to the occasion,the onus for this cannot be throst onto the industrial sector

FOURTH ANNUAL GENERAL MEETING OF SHEHRI-CBE

The fourth AGM of Shehri-CBE was held on Thursday February 10th, 1994 at the Hotel Metropole. The meeting was chaired by Navhid Husain, Chairperson Shehri. The meeting began with the confirmation of the ites of the last AGM held in April 1993. After that the Annual Report and the Audited Statement of Accounts for the year January 1, 1993-December 31, 1993 were read and adopted. As this is not the election year so the managing committee will remain same comprising.

than a number of cases have been filed.

Daewoo Case

This case was filed by the residents and members of Shehri living on Sir Syed Road against the illegal conversion of a residential plot for a car showtoom. The premises are scaled at the moment and the case is pending.

Gulfway Towers.

This petition was filed on behalf of Shehri against the unauthorized stories of this project near the Teen Talwar Roundaboot in Clifton. court gave the decision in favour of



1. Navaid Husain Chairperson 2. Qazi Faez Isa V. Chairperson 3. Humaira Rehman

4. Khatib Ahmed Treasurer 5. Danish Azar Zuby Member 6. Hasan Jaffery Member 7. Farban Anwar Member 8. Amber Ali bhai Member

9. Kaiser Bengali 10.Dr.M Ajmal Khan Member A brief account of the activities undertaken by Shehri in the year

CONSERVATION ARCHITECTURAL HERITAGE SUB COMMITTEE

Seminar on Archaeology.

1993 were presented

As a result of the rapid commercialization the cultural heritage of Karachi is being demolished, in order to save this heritage, Public consciousness and mobilization is essential. In this connection, from February 9-14, 1993 Shehri in collaboration with Archaeology Quarterly, ZMC Central, Shah Abdul Latif University and Department of Archaeology and museums organized a six day seminar "Preservation of Cultural Heritage" Shehri was represented by Mr Ahsan Haleem -Fellow Sindh Historical Society and Mian Zafai Igbal, a student member. Parucipants visited the National Museum and Madinatul Hikmat, a university founded by Hamdard Foundation.

2. MEDIA AND OUTREACH SUB COMMITTEE.

In Pakistan the language used for communicating ideas pertaining to conservation of nature and natural resources is English which the majority of our citizens are conversant with Therefore Shehri has compiled a glossary in urdu with the assistance of scholars and the Urdu Muntadra The glossary is being printed Board. in collaboration with IUCN.

3. LEGAL SUB COMMITTEE

The Shehri Legal Sub Committee started functioning in June 1993, since

Shehri that the illegal five stories must come down. The builders have appealed to the Supreme Court. The matter is still pending

Gutter Baghicha.

Shehri has stopped the illegal sale of Gutter Baghicha. We filed a petition in the Supreme Court. The matter is still pending Shehri has filed its suggestions as how to save this open space of approximately 1016 acres valuing 18 billion rupees in the area of Trans-Lyari

Motiwala Construction

Shehri along with the residents of PECHS BLOCK II have filed a petition to stop the illegal construction and conversion of residential areas

KBCA and PECHS

The petition has been filed against both institutions to prevail upon them to stop the illegal construction of showroom cum flats on main Khalid Bin Walcod Road The stay has been granted in favour of Shehri. Matter is pending

Costa Livina

Residents of Clifton area filed a petition in which Shehri is a petitioner as well. Stay has been granted in favour of the residents and Shehri

ANTI- POLIUTION SUB COMMITTEE

International Sem Environmental Pollution Seminar

On April 29, 1993 SHEHRI, organized an international seminar in collaboration with PASSP (Pakistan Association of Scientists and Scientific Profession). IEP (Institute of Environmental Engineering and Research), and NED University on environmental pollution.

The seminar comprised of four sessions, was addressed by experts from Pakistan such as Dr. Mitza Arshad Ali Baig (SEED) Engr. Rehan Ahmed (NESPAK) Mr Kamal Sheikh Advocate, Dr. M.R. Sabavo, (MUE1) and Engr. Mohd Mohsin Qureshi (DCET) and Navaid Husain (Chairman Shehri)and also by eminent scholars and guest speakers

from U.K. and Bangladesh

5.PARKS AND RECREATION SUB COMMITTEE.

To promote tree planting activities and to mark the occasion of World Environment Day (held on June 5 every year) Shehri and FPAP (Family Planning Association of Pakistan) conducted a tree plantation campaign in Karachi. Three areas viz Rehman Colony, Old Golimar and Haldia were chosen for tree plantation. Representatives of Shehr and FPAP planted approximately 100 suplings in

Development of parks in 5hah

Bhittai Colony Bhittai colony comes under the jurisdiction of Korangi Creek cantonment Board, and is a low ncome colony devoid of recreational facilities. Shehri was approached by the Cantonment Board for assistance in developing a park there Shehri developed layout plans in collaboration with students of architecture of Dawood College Assistance in this matter would be appreciated

KDA parks

KDA wants to make model parks in low income areas in collaboration with Shehri For this purpose a meeting was arranged between Shehri Officials and the Deputy Director Parks and Recreation of KDA Shehri has taken the responsibility of designing the landscaping of these parks. Shehri is considering interested nultinational for this project

Gutter Baghicha.

This area consisting of approximately 1016 acres.The value of this property goes upto 18 billion KMC tried to auction this land And part of it was given for the construction of KMC officers Housing Society almost free of cost. Shehri and residents of this area realized the need for an intervention by the court, a stay has been granted and the matter is still pending

Theel park project

Shehri in collaboration with ZMC East and Residents Association of PECHS has worked for the renovation and uplittment of Ibeel Park, Shehri wants to set up an ecopond at the lake Theel Park. Financial assistance in project would be appreciated

Earth Day Mela, was organized by Leo Club in which Shehri also participated on 22 April 1993, at Hill Park. An Earth Walk and a Poster Exhibition were also held, after this event about thirty children wanted to become members of Shehri Shehri now has one hundred and seven members

OTHER ACTIVITIES OF SHEHRI

NGO FORUM

The need for establishing a broad based platform comprising of not just NGO's but also women,minorities. labour unions was felt by many NGO's. For this purpose Shehri organized a meering at Hotel Metropole on 18 december 1993, to discuss the issues and difficulties being faced by them. The intention was to explore the possibilities of insumbonalizing the "NGO FORUM

Representatives from PMA Dr. Khalid Butt, Maulana Abdul Sattar Edhi from Edhi Trust, Human Rights Lawyer Mr. Zia Awan, President of Basti Mr. S M Huda, Mian Mumtaz Rafi from Concerned Citizens Association, Mr. Tanvir Arif from SCOPE etc participated in the discussion.

Formation

Society, P.E.C.H.S.
Shehri has been trying to set up small mohalla committees of concerned citizens in order to solve both civic and environmental problems. For this purpose a meeting was arranged at Shehri office on 30 December. The response was not very encouraging, but Shehri would like to give it another try.

MASS TRANSIT PROGRAM

Karachi Mass Transit Program is a plan for an eighty seven kilometer mass transit system to serve the population of Karachi The plan is to build a transit ways along existing rail and highway corridors incorporating a rationalized bus route network steering committee was established to carry out the Environmental Impact Assessment of this program. Shehri is a member of this steering committee, Shehri has been attending their meetings and workshops.

The annual report was proposed by Mr. Kaiser Bengali and seconded by Mr. Danish Azar Zuby after which it

was adopted...

NOISE -POLLUTION

During the discussion and question answer session one member suggested that regarding the noise pollution a letter should be sent to the Chief Justice of Sind along with signatures of the residents and newspaper cutting from the letter to the editor in this regard

Shehri has already been granted a judgement from the Supreme Court in this regard.

MULTI STOREY CAR PARK

A suggestion regarding the construction of multistorey car park in busy commercial area was also put forward by one of the members Shehri has put this up in writing to the

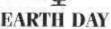
Supreme Court

CIVIC BODIES

The need for Shehri to be included in more local bodies and civic agencies, was emphasised.

AROUSE AWARENESS

It was suggested that Shehri should involve concerned citizens in its projects. Members are requested to rite and visit Shehri's office.





Shehri-CBE, organised a program to celebrate The EARTH DAY, on 22 April '94, with approximately 200 children belonging to the age group of 5 to 12 All these children work for a living in different factories, workshops etc. and during the afternoon they study at the centres opened by NGO PILER. This program was held at one of the centres of PILER, which is situated in Manselira colony in Landhi.

At the begining of the program Mr Mohammad Husaio, Headmaster of the Mansehra Colony centre gave a brief introduction of Shehri and the

work it was doing Later on Mr Khatib Ahmed, Treasurer Shehri and Mr. Navaid Husain, Chairman Shehri gave talks on the special significance of the need for education and on the importance of a clean and healthy environment.

Competitions around developmental

and environmental issues for the children were held and prizes were given out to winners and losers alike since Shehri recognises all working children as deserving

At the conclusion of the program gift packets and lunch boxes were distributed among the children

Shehri-CBE's new members are:

184) Syed Sultan Ahmed

185) Saeed A Kushtiwala - Alcop M D.

185) Syed Muhammad Saleem -Dow Chemicals 186) Syed Ali Raza Zaidi -Squibb

187) Farzana Ahmed 188) Nuzhat Aijaz

189) Maartje Fiaz-ud-din, Homeopath

190) Major Mirza Ahmed Husain 191) Ms. Tazein Mirza -student, §

192) Malik Ayaz A Khan -Advoçate 193) Mr. Suhail Ahmed -Businessman

139) Mr. Sulfa Aminet - Journal Student.
195) Mr. Yawar Mehdi - Depury Comrollet Radio Pakistan.
196) Mr. Anjum Raza Faruki - Financial and Business Advisor.
197) Mr. Maher H. Alavi.
198) Ms. Kamila Suhaii - Student.
199) Mr. Abdul Basif Saleem - Draftsman.

199) Mr. Abdul Basit Saleem - Drahsman.
200) Mr. Amir Imad - Student
201) Mr. Haliz Mohd Javed - Disputy Director KDA.
201) Mr. Haliz Mohd Javed - Disputy Director KDA.
202) Mr. Yawar Abbas Jilani - Principle Architect.
203) Mr. Mohammad Akbar Haqqani - Sr. Engineer Manufacturing
204) Mr. Mohammad Abdul Mahk.
205) Syed Ghazir Inc A.I. Stutent
206) Mr. Abid Ahmed Khan Administrative officer.
207) Mr. Sabir Shah. Managing committee member WAR.
208) Mr. Waana - Anni.

207) Mr. Sabir Shah, Managing committee member WAR.
208) Mr. Wasim A. Som.
209) Mr. Armill Ran Khan.
210) Ms. Fatima Aromannad.
211) Ms. Ay a F. yal Khan.
212) Mr. Ay a F. yal Khan.
213) Mr. Shahahmidir Shamshuddin -Administrative Manager.
214) Mr. Jim Mohammad Lakho -Managing Director Lakho Association.
215) Ma. Elishading Khan.

215) Mr. Khao Imran Khan.
216) Mr. Icvan Das -Project Officer Sindh.
217) Mr. Anis-ul-Haq Siddiqui-Managing Director Haque Engineer and
218) Mr. Ajmal Walik -Coordinator Swiss NGO Programme.

JOIN SHEHRI TO CREATE A BETTER ENVIRONMENT

If you wish to join STITE please send this card to:

SHEHRI - Citizens for a Better Environment

206-G, Block 2 P.E.C.H.S. Karachi -75400, Pakistan Tel: 441769 442578 Fax: 438226

Name. Address Tel (Res)

Occupation:

Tel (Off)

HEALTH AND SAFETY HAZARDS IN CHEMICALS AND ALLIED INDUSTRIES

By Decha Zahli (PILKR)

he use of different chemicals in the manufacturing of chemical products and in processing as in a major fuzzard to workers. operations in a major turned or worsers. A PILER study identifies the hazards peach to worker's health and safety by the use of chemicals in industries. A total of 47 industrial units in the following sectors ne surveyed

 Bleaching and Dyeing.
 Leather Tanning.
 Chemical, Gases Manufacturing, Soap.
 Poliches. Detergent, Paints, Varnishes, Polishes Detergent, Paints, Varnishes, Forishes, Waxes, Balteries, Cement and Ceramics. The study sought to highlight how the following factors affected the existence or otherwise of health and safety measures in the surveyed industrial units:

- Level of education of workers

- Salary of workers

- Age of workers

Size of industrial unit

· Type of ownership

· Presence of trade union

The following are the highlights of the

(a) 57 of the 173 workers interviewed 33% of total number) were illuterate, 83 (48%) had primary or middle level education and 33 (19%) were matriculates or just above. In industrial units where

There are laws in force in Pakistan which prescribe mandatory measures which managements of industrial units are required to take in respect of health and safety

of workers as well as medical facilities to be provided in the working environment. These are: Factory Act 1934, Hazardous Occupations (Lead) Rules 1937 Hazardous Occupation (Sand Blast) Rules 1937, Hazardous Occupation (Miscellaneous) Rules 1937. Hazardous Occupation 1963 and Industrial Relations Ordinance 1969.

of

World Bank/IMF and are under pressure to bring about structural adjustments in the working of their economies. Concurrently, there is considerable concern of the effect

these reforms might have on the

sustainability or long-term growth

prospects of the economies under

these programs.

The Applied Beonemics Research
Center of the University of Karachi is
conducting a study on the
environmental impact of structural
adjustment programs. The study is
supported by the World Wide Fund for

Nature(WWF) and executed through

Harvard University. Some of the key questions the study seeks to answer

countries including Pakistan, are heavy borrowers from the

number

these programs.

edocation level of workers is higher such in multicational industries, the scandard of health and safety measures including medical facilities and working environments is better because of knoor watersess of bealth bassids and the need fer protective measures among workers. They not only demand prescribed safety treatures mending safer working environment from the management but also insist on implementation of relevant laws. As compared to this, industries where the workers are illiterate or have minimum education, health and safety is virtually ignored as the workers are ignorant of the dangers of proximity with chemicals and do not link their ailments to the effect of chemical related work. This is further compounded by the fact that the names of chemicals and precautionary warnings about the health and safety hazards posed

by them are written in English which they

cannot read. So workers are not only

ignorant of and careless about taking protective measures i.e. using protective

clothing, masks, helmets, gloves and boots, but even where they are provided.

they often do not use them. This provides

the pretext to unscrupulous management

to argue that workers do not want to use

them at all .(b) The survey showed that in industrial units where workers are paid reasonable unus where workers are part reasonable wages, health and safety measures are fairly satisfactory. Being reasonably paid, they want not only better working conditions but also health and safety sentilized to the part of the requisites as provided under the laws.

requisites as provided under the taws.

(c) Another interesting fact that emerged during the survey is the link between the age of the workers and health and safety measures, medical facilities and working environment provided in the industries surveyed. It was found that workers of advanced age were indifferent to these things as they seemed resigned to their fate and to abandoned the fight for even normal facilities and precautions allowed

(d) It was found that job status of the worker patternant, temporary, constant basis, daily wages- also has a direct ima with the willingness or compulsion of the management to provide health and safety measures, medical facilities and safer working environment.

rary workers, contract workers and Temporary weekers, contain worsers and daily wagers simply do not dure to demand any kind of facility, leave alone health and safety measures, for fear of joognizing their livelihood. Temporary workers and faily wagers can be removed from their yots without notice and cannot claim; my benefits. Contract workers are claim my benefits. Contract workers an slaves at the service of the committors and the owners have no legal responsibility towards them. The survey revealed that

Will these reforms lead to a faster

depletion of renewable as well as conrenewable resources? Is it likely to

renewable resources? Is it likely to increase migration towards sites and compound the already existing problems of slums, pollution, sanitation and sewerage? Will the pressure to expand exports as any cute lead to severe industrial pollution? In our how will the increase (continuon? In

turn how wall the impact (positive or negative) on environmental condition feed back on the long-ran performance

of the economy? The National Conservation Strategy

(NCS) formulated by the Government of Pakistan identifies the links

between economic activity and environmental degradation. The purpose of the AERC is to carry the NCS foeward and quantify the impact

AERC STUDY ON ECONOMIC

REFORMS AND THE

ENVIRONMENT

wherever there had been serious bazards/accidents, victims were either temporary or contract workers. Packing hazards/accidents, victims we department of carpent factory is a typical Here all the workers are example. temporary, get minimal wages and are demonstrated all facilities including all facilities recommency recovers against bealth and afety hazards.

(e) The larger industrial units, particularly in the private sector, have comparatively better health and safety arrangement

(protective clothing and devices marks, gloves, believes me are provided) as well as bester medical facilities and safer working environments for workers senabler costs and almost none of these.

(f) Industries in the multirational sector.

Common ailments reported by workers

interviewed were: eve sore and ulcer, chest congestion, brenthing trustile and coughing fever, constant headache and giddiness, blisters and other skin diseases, chronic had cold and stormed disorder. These are caused by inhaling chemical particles gases, dust and other floating rastes, by coming in physical contact with chemicals, working without protective helmets, masks, and gloves or walking without protective shoes on the workplace floar,

(b) 37 industrial units (79% of usual number, surveyed)had virtually no department nor even an official attending to health and safety. Only 2 units (4%)

in the light of the above results we can say that there is an immediate need for establishing a Health and Safety Council comprising Labour Department officials, management representatives and labours leaders to oversee Health and Safety conditions and implementation of laws in factories.

surveyed) had no medical facilities

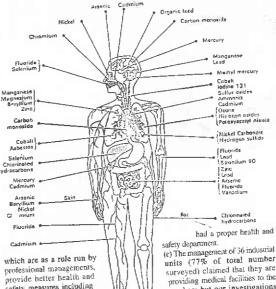
(d) Apart from the fact that the majority of the workers interviewed reported of non-provision of protective clothing and devices by the managements, many reported that sub-standard totally unusable fake devices are supplied, simply to fulfil a formality and circumvent the relevant laws.

(e) Apart from the hazards posed by the use of chemicals in the surveyed industries, there are also problems related to maintenance of iolarable temperature, humidity, ventilation and air passage, light, and control of machine noise, smoke right, and control of machine noise, smoke emission, floating dust and other particles in most of the industries surveyed, these health hazards are conveniently ignored. Majority of workers interviewed complained of a host of allments affecting eye sight, breathing, hearing etc. caused by the managements indifference to these by the managements indifference to these

These are laws in force in Pakistan which prescribe mandatory measures which managements of industrial units are required to take in respect of health and safety of workers as well as medical facilities to be provided in the working environment. These are: Factory Act 1934, Hazardous Occupations (Lead) Rules 1937 Hazardous Occupation (Sand Blast) Rules 1937, Hazardous Occupation (Miscellaneous) Rules 1937, Hazardous Occupation 1963 and Industrial Relations Ordinance 1969. These laws separately and jointly enjoin upon the owner of infustrial establishments to ensure that in the prescribed industries proper protective

Continued on Page

WHERE TOXINS TEND TO DEPOSIT



which are as a role run by professional managements, provide better health and safety measures including medical facilities and safer working environments for their workers.

Similarly, in large privately owned industries courtesy which are run by professional managements rather than by

on-professional owners, health and safety

is given one attention.

(g) In industries where there are trade unions, greater attention is paid to health and safety measures, provisions of medical facilities and safer working environment. The reason is obviously that in these industrial units, the unions light in these industrial units, the unions light for implementation of the laws in respect of health and sufety. The meyey showed that 16% of units covered had trade mines and 64% had so unions.

The following interesting facts emerged

from the survey: (a) In all the industrial units surveyed, Whether manufacturing chemicals or using chemicals in production process chemicals directly or indirectly affected the health of workers.

According to Dr.Sajjad Akhter, the Project Lender of the research project, the attidy will evaluate the impact of identifies water and land as one of the main natural resource constraints in the austainable development of and farm level. The study propos model this aspect in its agriculture

of reforms on the environmen

some of the critical SAP reforms on the key macroeconomies indicators of the economy, e.g. agriculture, manufacturing, energy, income distribution, flucat deficit, balance of payments and exchange rate. It will also develop two or three detailed environmentally oriented accordingtes which assess the innect of environmentally oriented acctoral models which assess the impact of macro and sectoral reforms on the environmental conditions in these sectors. Within agriculture, NCS agriculture. Waterlogging and salinity, a sectous form of land degradation, is said to be the outcome of inefficient use of water resources at the system

Cotton & Cotton &

workers but our investigations

showed that the workers are

unable to avail of the medical

facilities provided under the social security scheme because

of the sub-standard nature of the

of the sub-standard name of the social security dispensaries, lack of attention by doctors, high cast of prescribed medicines, need to pay repealed visits to doctors which require workers to treeposmly take leave which

they are not granted by the management and so on. 11 units (23% of total number

FOR THE CONNOISSEURS OF FINE CLOTHING DRESS SHIRTS, TROUSERS, TIES CASUAL SHIRTS, JEANS.

PAJAMA SUITS, BOXER SHORTS SHALWAR KAMEEZ

DESIGNERS OF THE FINEST CLOTHING IN PAKISTAN

7-A. Hann Hornes, Block 5 Cliffon, Per 596 6976, 586 6279, Fax (021) 540434 KARACHE Lis Floor, 88 Main Cavalry Road, Calmery Covand, Labore Cant., Ph. 666-4245 LAHORE ISLAMBAD: Dr. Floor, 13-A. Rige Assade, MARKAZ F-1

Continued on Page 7

PAKISTAN SOCIETY OF ENVIRONMENTAL AND OCCUPATIONAL MEDICINE

here is little public awareness in Pakistan regarding occupational health hazards Many industries operating in Pakistan employ obsolete technology

and do not make safety features a mandatary part of their operating

procedures.

Workers are thus exposed to chemicals, times, particles, temperature and noise levels that are extremely injurious to health, and also very difficult to cure.

Occupational health problems are difficult to detect for the ordinary physician as this is a specialised field requiring extensive training and exposure. For example if a person is suffering from some respiratory problem the doctor at his/her neighbourhood clinic may treat him with usual antibiotic or cough mixture send him /her away.

However, the Occupational medicine specialist will go into the details of the problem and will not only suggest a more suitable cure but will come up with preventive solutions to avoid the recurrence of the problem

In more civilised societies where the rights of citizens are better protected by legislation, the state makes it mandatory for factories and industrial units industrial units to employ occupational medicine specialists.

The presence of these specialists also acts as a check on the management in ensuring that unsafe operational procedures are not adopted and workers are not forced to work under unsale conditions.

The practitioners of occupational medicine are guardians of the factory environment. As such they are keen environmentalists

It is indeed good to know that since 1992 the Pakistan Society of Environmental and Occupational Medicine has come into existence. founded and chaired by Dr. Yusuf Siddiqui. A pediatrician by qualification, Dr. Siddiqui is Senior Medical Advisor to Lever Beothers

mer the bet elleven year. What made Dr. Siddiqui set up the Pakistan Society of Environmental and Occupational Health?

Pakistan Society of Environmental and Occupational Medicine was formed in 1992 to introduce doctors to the concept of Occupational Health The Society wants to build an infra structure for the practise of Occupational Health in Pakistan,

Occupational Health means:

care for and protect workers from the product and the environment in which the product is made.

to keep the product from being contaminated by workers

3) to keep the industries and their products environmentally safe. Dr Yusuf Siddiqui attended an

international conference in France regarding Occupational Health. After this experience he realised the need for a similar kind of society which

would deal with occupational health problems in Pakistan. This set into motion a series of consultations with foreign doctors and experts in Occupational Health Later, on the request of Di Yusuf and his colleagues the Dean of Occupational Health Royal College of Physicians of London Dr. David Right, Vice Dean Dr Robin Cox, Professor Nichola Cherry from Manchester, and Dr Nicola Orunde the Occupational Advisor from Australia came to Pakistan (on their own expense) to give lectures in a seminar cum certificate course on Environmental and Occupational Health arranged and

organized by the society.

The participants were requested to talk about the techniques and measure which would be particularly applicable in developing countries. Dr usuf was of the opinion that there is always the need to evaluate old and new techniques of treatment under indigenous conditions.
The seminar was held at College of

Physicians and Surgeons on 20th January 1994. This seven days course was restricted for only 30 doctors with a registration fee of Rs 2000/= It was a source of enourmous encouragement that not only did 82 doctors apply for the course, but the event was well covered by the media and advertising agencies as well.

At the concluding session of the representatives environmental organisations were invited to share their views

Humaira Rehman, representing Shehri spoke on the need for industrial workers (whose health had been affected by the industrial environment) to come forward and seek redressal through Public Interest Litigation She spoke about Shehri's active legal resource centre and requested the members of the medical community to refer cases for digation to Shehre

Most patients suffering from occupational diseases are attended by part time doctors or other specialists, do not go into enough detail and treat them with strong wide spectrum antibiones. The initial X-Ray's don't show asything but ultimately patients suffer from carcinoma and serious lung diseases.

It is a pity that our system does not encourage the appointment of Occupational Health doctors in the industries Dr. Yosuf said that in Pakistan most of the industries do not even have doctors for their staff although some local industries have part time doctors. Only multinational companies have full time doctors. realising that this makes investment

sense Dr. Yusuf is of the opinion that industrialist do not interference. Occupational Health measures are an extra expense, in their opinion. They do not bother about the health of workers as there are many applicants for a single job a worker can be easily replaced. They think that by employing a doctor the number of sick-leaves will increase not being aware that in the long run

permanently based full time doctors would reduce the sick leaves which would ultimately enhance production. The Pakistan Society Of enhance Environmental And Occupational Medicine aims at involving industrialists in their programmes

Dr Yusuf said that doctors attached widt industries, have less experience than practising doctors restricted number of patients, and do not recieve the respect they deserve. Talking about future plans for the

society he said that an academy for Occupational Health is on the agenda. For this purpose Mr Hakim Saced the ex governor of Sind has generously given them 2 acres of land in Madinarul Hikmat They also want to start a diploma course on Occupational Health of the same standard as in U K and Australia In this connection some foreign experts have assured the society of their assistance

According to him the society is progressing gradually. Their basic aim is to organize the doctors associated with industry in the country to render better service to the cause of Environmental and Occupational Health. They plan to hold clinical meetings in factories instead of hotels The Society will publish and assist in the publication of literature on Environmental and Occupational Health, especially prevention and awareness They will organize seminars for the general public on welfare and Rehabilitation of patients. He was of the opinion that instead of blaming the government we should to

to help ourselves by devising methods and techniques of our own.

NEW LEADERS OF IUCN:

DR. JAY D.HAIR, PRESIDENT IUCN



temporary secretariat at the Sheraton in Buenos Aires where IUCN's 19th General Assembly was being held. As American Vice President, Al Gore's personal nominee and friend, Hair carries a lot of clout for IUCN. especially since the environment was one of major issues that Clinton and

Al Gont were elected for.

Hair holds twenty offices and
memberships. He is also the recipient
of an equal number of awards and pertificates. Dr.Jay D. Hair has led the National Wildlife Federation as president and chief executive officer tince May, 1981. Under his leadership the Pederation has expanded in activities to embrace a wide spectrum of environmental starts while mointaining its traditional advocacy for natural resources and wildlife conservation.

During his unure, National Wildlife Pederation resenues have risen to nearly \$ 100 million amoustly. This endorsement from its approximately five million members and supporters makes the NWF the largest private environmental education organization in the world

Hallmark of Hair's leadership at NWF include creation of the NWF Corporate Conservation Council to promote communication about envisonmental issues with the business community, establishment of the NWF Internacional Affairs



Division to promote environmental concerns abroad, and a drive to forge alliances for environmental and social justice among the nation's culturally diverse communities.

Described by senate Majority Leader George Mitchell as 'the most temperted member of the environmental community.' Hair has been a key environmental adviser in several White House meetings whi were instrumental is ensuring that environmental concerns were incorporated as a fundamental nepect of the Clinton Administration's economic plan.

Hair's leadership in making NWF a major force in the movement to incorporate environmental concerns in the negotiation of free trade agreements led to his appointment in 1991 as a member of the layestment Policy Committee (INPAC) to the United States Trade Representative. He also led the Federation as a key player in effort to convince the Japanese Government to halt the use of driftnets in ocean fishing, and has been actively involved in dialogue with leading Japanese business La

encourage sustainable development practices

He often testifies before congressional recommittees to urge passage of strunger environmental legislation. Journalists from the nation's major television networks and newspapers frequently seek Hair's opinion or environmental news of the day. Hair also delivers NWF's unvironmental messages in addresses to diverse groups including university gatherings, professional associations, NWF affiliates and business organizations. He has written extensively on environmental issues. with his comments appearing in numerous publications, including The New York Times. He writes a weekly newspaper syndicated column made available to readers through 600 newspapers across the nation.

Hair serves on a number of boards of directors, including Clean Sites, Inc., The Windstar Foundation, and Kids for saving Earth. He is Chairperson of the Board and President of the IUCN-US (The World Conservation Union and IUCN North American Regional Councilor. Hair was a member of the National Wellands Policy Forum (1987-1988), the U.S. Environmental Protection Agency Biotechnology Science Advisory Committee (1987-1989), and the Board of Directors of Earth Day 1990. In June, 1993, Hair was selected by President Bill Clinton to serve on the President's Council on Sustainable Development.

The first thing we discussed was the cut off of US Aid to Pakistan as a result of the Pressler amendment Ir was pointed out to Dr Hair that inspile of the end of the cold war, aid was still linked to political issues as a result of which developmental projects in countries such as Pakistan would be affected. A case in point is the shut down of a US aided family planning projects. Dr. Hair has Pakistan and South Africa on the top of his list of countries to visit as

AIRING OUR VIEWS AT BUENOS AIRES

by Navaid Husain

The 19th General Assembly of the International Union for Conservation of Nature (IUCN) was held in Buenos Aires from 17-26 January 1994.

The Pakistan delegation consisted of about 20 persons representing nongovernmental and governmental organizations.

Delegates included, Karamat Ali (PILER). Omar Asghar Khan (Sungi), Tanvir Arif (SCOPE), Malick (TRC), Tariq Banuri(SDPI), Khawar Mumtaz (shirkatgah), and Naveed Husain (Shehn) from NGO's, 9 members of and 3 government representatives.

The assembly was presided over by the outgoing President of IUCN, Sir Shiridath Ramphal & Dr. Martin Holdgale (Dir Gen) The only contender for the President's office was Dr Jay Hair from America & for the Dir Gen's office was from New Zealand Mr.David Keith McDowall who were duly elected.

Some important amendments to resolutions were put up by Pakistan i.e. the inclusion of "labour" to all references to Business and Industry The concern at the proposed construction of the Barotha power roject, especially after the problems at Tarbela was included by Songi with reference to large dams. The Hoobara Bustard resolution was under pressure from the Saudi Arabian and UAE delegates, the GOP delegate, Jan Mohammad made an unsubstantiated claim that the Houbara population was increasing

Two important amendments to resolutions were proposed by Shehri. The first pertained to the issue of regionalisation within the IUCN. Currently, Pakistan has been bracketed within West Asia along with countries of per capita incomes higher than \$ 20,000/. This obviously means a different set of

objectives and priorities for rich countries as opposed to a poor state such as Pakislan. Furthermore some North African and West Asian Arab states wanted to see a restructuring of their region take place. Shehri's point of view was that a rational basis for rationalisation bracketing should serve as a criteria for IUCN in future

1. Geographical proximities of countries concerned

2. Linguistic, cultural and historical bonds 3. Socio economic levels of the

countries within proposed regions. 4. Strengthening existing regional forums eg SAARC and its

Environmental committees Creating people to people bridges by trying not to get involved in state to state confrontations

6. The issues of sharing of seats could he worked out by rotation

The issue of regionalisation will come up in the next assembly and the groundwork will have to be laid before that

The other amendment Shehri made was on the issue of sustainable development. In the absence of the GEF, and with the south caught in the debt trap, Shehri called for a debt for nature and social action plan swap without which sustainable development would be difficult Also recipient countries were called upon to put up equal local resources to support such a plan Furthermore greater resource and technical support to NGOs were required by donors. The original resolution was tabled by Peru. the amendments to this resolution became so controversial that the President decided to put this to vote through a postal ballot as there was no time to thrash it out -

THE UNSLAPPED

(courtesy Q.LDanupota, SDN)

A Primer For Protecting You and Your Affiliate Against SLAPP Suits

ou ve been instrumental in helping the affiliate take a strong stance against a developer's proposal to fill in a small wetland so it an build new apartment buildings You helped with the research, you organized others to assist in fighting the issue, and you testified at a recent planning commission meeting against the project. Last week you reported the good news to your board of directors that the proposal was defeated: your efforts paid off

What you didn't expect was to be served with papers for a lawsout by the developer claiming you "defanced" the developer. The complaint alleges that you made inaccurate statements about the developer, thereby causing him to lose thousands of dollars. What might the developer be trying to do? What can you do to avoid future suits?
What can you do to climinate this
SLAPP suit? Read on

THE WHAT MIGHT THE DEVELOPER BE TRYING TO

probably just You've "SLAPPED" SLAPPs are "Strategic Law Suits Against Public Participation"that are brought by businesses or municipalities to prevent citizens from speaking out against dubious development projects or in retaliation for public opposition A SLAPP suit is usually a desperate project proponent to save the project or recoup lost expenses or profits no matter what it takes...

SLAPP suits are rarely brought for the reasons alleged in their complaint. More often, the primary purpose of the suit is to stifle— or in legal terms "chill"— public criticism of proposed projects. By bringing a suit against you claiming mega-damages, the developer is hoping that you and others will be intimidated into silencing your opposition to this or future project proposals. Thus, in the words of two experts in the field, Professors George W Pring and Penelope Canan of the University of Denver, "SLAPPs have worked even

when they lose The purpose of SLAPPs is not to win on merits. Rather, they are won when rargeted defendants no longer are able to find the financial, emotional, or mental wherewithal to sustain their defense Fortunately, courts often

L.

OT: Do

CBI

SUP

Лα

ent.

f pri

Tiffe

35 11

g/e

al

recognize this. According to one court's ruling on a 1992 New York SLAPP suit:

The ripple effect of such suits in our society are enormous. Person who have been out spoken on issues of public importance targeted in such suits or who have witnessed such suits will often choose in the future to stay silent. Short of a gun to the head

a greater threat to First Amendment expression can scarcely be imagined The increasingly common use of SLAPPs threaten citizens' willingness to exercise their right of free speech and their right to petition the government for a redress of grievances under the constitution. According to a report by the Library of Congress, the right to petition the government "has been expanded beyond its literal terms to protect any peaceful, lawful attempt to promote or discourage government

Some of the most common issues of public interest or concern are : real estate development and zoning. environmental protection. wetland and wildlife preservation, and neighborhood defense (otherwise known as "NIMBY" or " Not in my backvard")

actions at all levels and branches of government, including the electorine." Thus, the right of freedom of speech and to perition the government include the right to challenge or influence government actions, whether by petitioning for government approval or disapproval of projects, providing, public comment, testifying, lobbying, litigation, and even demoustrating peacefully or otherwise speaking our against a proposed project.

How Do you Recognize A SLAPP Suit?

SLAPP suits have common characteristics Therefore, it's not difficult to know that you are being ST APPED:

The suit is a civil complaint or against counterclaim filed

nongovernmental individuals or organizations because of their communications to governmental entities, officials, or the general population (electorate) and on a substantive issue of some public interest or concern. Some of the most common issues of public interest or concern are : real estate development and zoning, environmental protection, wetland and wildlife preservation, and neighborhood defense (otherwise known as "NIMBY" or "Not in my backyard"). Some of the most common legal claims are: defamation (slander or libel); business torts (interference with contract, business, economic expectancy, product economic expectancy, product disparagement, restraint of trade); other torts (nuisance, invasion of privacy); judicial or administrative torts (abuse of process), or conspiracy to commit one of the above torts; constitutional and civil rights violations (i.e., discrimination, "taking" private property rights, etc.)
What Can You Do To Avoid SLAPP

The most important element to the SLAPP equation is to not let the possibility of a tawauti deter in your

efforts. That's exactly what most SLAPP plaintiff are counting on. According to the late U.S. Supreme Court Justice Louis Brandeis: "The

greatest menace to freedom is an inert people." Although there is no way to avoid being SLAPPed, you can take certain measures to greatly likelihood of being SLAPPed in the future. First, make sure your advocacy factually accurate on firm legal footing, and not undertaken for som improper purpose (for example inciting others to protest a proposal so

that you can gain financially would be improper: It is not necessary that every would be grounded in fact. If, for example, your articisms are leveled at proponents of projects that are of public concern, you need only ensure that your statements are not made with the knowledge that they are false. Likewise, you cannot make statements with reckless disregard for whether they are false or not Remember, the truth is an absolute defense in most cases. In short, don't engage in hyperbole Stick to the facts Act

responsibly Then there are actions you can take to minimize financial and legal risk to

yourself. First, it helps if you are speaking on behalf of an organization after receiving the authorization to do so. Because SLAPP's are intended to primarily intimidate, SLAPP plaintiffs ire less likely to sue targets that may be able to sustain a defense over time. Obviously, a legal defense is more difficult to sustain for an individual citizen than for a group of people or a financially-stable organization to Coordinate closely with your affiliate board, particularly on issues that are likely to be comroversial.

Second, make sure the organization for which you speak properly identifies those who speak out on its behalf This may usually be achieved by including an indemnity provision in

SLAPP suits have common check with other organizations on the characteristics. Therefore, it's not difficult legal service on a "pur bono" (fire to to know that you are being reduced fee) basis to public interest SLAPPED:

The suit is a civil complaint or counterclaim filed against nongovernmental individuals or organizations because of their communications to governmental entities, officials, or the general population (electorate)

and on a substantive issue of some public interest or concern

the organization's constitution or by To make sure that the by-laws constitution's or indemnification is meaningful, investigate whether the uffillate nurrie stequate Directors' and Officers'(D &

What Can You Do To Eliminate A CE APP Soit ?

First, prepare to retain an attorney. But, depending on the circumstances, you may not have to retain her yourself. For example, if you were speaking on hehalf of your affiliate, may be "indemnified," that is, the offiliate may undertake a lawsuit to defend you. You are relatively safe if you are a beard member, received authorization by the board to speak out against the werland-fill project, and your affiliate's committetion and bylaws indemnify you while you are acting within the scope of your chinics as a board member. You may also be protected if you are a member or volunteer and received authorization to

You might also approach the governmental entity to which you testified and convince it to assist in your defense by arguing that SLAPP suits will chill input to the entity in the future (which is ultimately not in the entity's interest) of that by inviting testimony, the entity should come to the aid of those who resulfy in good faith Often, those who testify governmental entity are privileged to do so. In other words, testimony is often a safe harbor from lawsuits by those against whom you have testified. Nevertheless, these efforts will merely shift the burden of defending the lawsuit, not climinate the lawsuit

If your organization can't or won't oblain an attorney to defend you, state har association to see if there are lawyers who have offered to provide groups. Because SLAPP suits pose such a threat to public interest activities and important constitutional rights, it may be fairly easy to find a public interest lawyer willing to take unit case on a pro bono huns

If all class fails and you can't find a lawyer to take your case pro bono, hire one yourself. SLAPP suits should never be taken lightly— you must defend yourself! Don't wait until the last minute to seek legal assistance.

rast minute to seek legal assistance. To try to eliminate the suit, you should request that your altorney communicate to the plaintiff's attorney the personal risks of continuing with a SLAPP suit. SLAPP autorneys themselves can be penalized under Rule 11 of the Federal Rules of Civil Procedure for bringing frivolous lawsuits or lose SLAPP back jury verdicts Rule II sanctions which carry with them the possibility of stiff monetary penalties and the possibility of loung feenses to practice law, may he the appropriate specter to raise to deter plaintiffs' attorneys from continuing in the litigation Rule 11 will make the attormy personally sir up and take notice. Some states have ies that are the same or similar to the Federal rule 11.

There are tools to make the plantiffs sit up and take sotice too. Secause SLAPP sints are rarely successful on the merit of the case and are increasingly successful for what they are, visilations of citizens' constitutional rights, chances are good that your attorney can eliminate the unit before it becomes protructed. SLAPP suits are often climinated early in the litigation by filing preliminary motions (untilly a motion to District or a Motion for Summary-Indgement).

Continued on Page 7

ENVIRONMENTAL COORDINATOR: THINKER OR DOER?

n most companies, concern for the environment started out as the hobby of one concerned individual who worried about the mess in the yard or the empty plasnes cups in the canteen. This hobby rapidly turned into a job that is gaining more and more importance. However, the environment coordinator is still very much a solitary figure in many companies. The environmental department is new and has to deal with much larger, established departments such as production, planning or research and development. The department is fighting a battle on two fronts. It has to convince the manager that deploying money, manpower and equipment for environmental tasks serves a useful purpose, while the staff must be made to realise that measures are needed. G.V.Van Hoogen, are needed. initially environmental coordinator now General Manager of the Amsterdam waste processing company TCA, has enjoyed management backing over since he joined the company in 1989. The company had a poor reputation; it had already earned a conviction for dumping of waste. An environmental audit i.e. an x-ray of the company structure showed that company practice needed changing drastically.

"I had quite a fight on my hands. I talked and talked, the whole culture of the company had to change." A lot of people left or took other positions. Every staff member was issued with a new job description linked to the new environmental policy procedures. The industrial cleaning division was hived off The company has been implementing its environmental policy for two years, after much discussion on how it was to be setup. The

improved enormously. The environmental coordinator rarely gets the opportunity to reorganise the company for environmental reasons. It is far more difficult for a large chemical concern such as the Dutch States Mines to turn itself inside out

relationship with the government has

than for a small company such as TCA The enormous waste production in its Venlo plant was the main reason for taking the environment seriously there," I once worked out that our raw materials yield more waste product," says Harry Van Lier, head of waste Processing and Secondary products. Everyone agreed that too much waste was being produced, but the question was how to cut it down. Once again, it was Words, Words, Words for the environmental coordinator.

"By talking to the research and technology department, I tried, for a start, to prevent waste being produced, and we are already achieving results. Materials that we regard as waste numed out to be raw material for other companies." Slightly polluted sodium hydroxide was always dumped until it turned out to be suitable for neutralising the waste flow in our own biological water purification unit. That saved us the cost of buying technically pure sodium hydroxide Everyone's Job

Management may make the investment, as did DSM, n is the shop floor that determines the success of the measure. " No one should be allowed measure No one should be almost to think that I am the only one incharge of the environment", says Fried Hoenderboom, environmental coordinator of the Perscombinate Graphic Company, which publishes a number of important dailies.
"Departments have to do the job
themselves. You must not set up a separate environmental department Concern for the environment should infiltrate the whole of the company practice. "This can only be achieved if people are kept informed of if people are kept informed of developments." There is broad support within the Graphics Company. People can see that we produce enormous amounts of waste. Yet installing finer recycling equipment for example, means more work for the department and some people are none too pleased about it. You then try to convince them that we are not only trying to save fixer, but to keep the rinsing water as clean as possible and thus reduce our waste flows," w





AERC STUDY

sectoral model and assess its impact on yields and crop-mix. Various sub sectors in the industrial sector have begun to generate notable quantities of pollutants and impact on the underground and surface water resources. Leather and Textiles subsector have been selected by the study to explore in detail the impact of economic policies on amount of various types of pollutants generated in these sectors. Moreover energy production also generates industrial pollution depending on the type of inputs used in its production. This sector has also been selected given its strong linkage to the rest of the economy and need to expand its supply on priority basis. The study will also attempt to model the impact of reforms on the phenomena of migration and urbanization and link it with various forms of pollution generated in large cities. The third generated in large cities objective is to discuss the policy implications in terms of generation of resources (government or private) to mitigate the negative impact of reforms on environment and/or encourage positive impact on environment -



PILER Continued from Page

clothing and devices are provided to workers to protect themselves against possible hazards and accidents, adequate arrangements are made regarding air passage and ventilation, maintenance of reasonable temperature and/or humidity and proper light in the work place, expulsion of waste dust, particles, gases and other waste materials, fire protection and training of workers in the use of fire protection devices, special protective measures in respect of lead and sand-blast-related work, periodical medical check-up of workers engaged in such hazardous jobs, ban on employment of women and minors below the age of 17 in hazardous industries, and lavatories etc. These laws also prescribe regular inspection of industrial units by inspectors of the labour department to see that the laws are being implemented and, in the event of violation, to book the defaulters and to penalize them. Majority of workers interviewed (ranging from 54% to 94%) complained of non-observance of the roles by the employers which, in turn, is responsible for various illnesses among workers and accidents in the workplace.

71% of the workers interviewed said that there had not been any inspection of their factories by inspectors of the labour department as required by the law
Only 29% said there had been

inspections. Taken size-wise, 83% workers of small size industrial units (10 workers or less) said that there had not een any inspection. Surprisingly, same is the case with large scale industrial units (250 workers and above); #1% said that there had not been any important. So it is clear to what extent the managements are observing the mandatury provisions of In this connection, state labour inspectors were also interviewed and it came to light that general inspection to see if labour laws are being implemented is conducted once in one-and-half years and inspectors connected with the Occupational Health and Safety Center inspect only 120 factories in one year. This is the inspectors version. But the truth is that these figures are grossly exaggerated. Another point: these inspectors lack the theoretical and technical background prescribed in the law and therefore, cannot do justice to their assignment. So, they are prone to be bribed into supporting the employer.

In the light of the above results we can say that there is an immediate need for establishing a Health and Safety Council comprising Labour Department officials, management representatives and labours leaders to oversee Health and Safety conditions and implementation of laws in factories.

THE NOISE AND SMOKE POLLUTION PROJECT.

An Update

or maders about the fight against the noise and smoke pollution which Shehri had taken up in the Courts of Law. We had highlighted the problem of neura pollution and the inadequacy of cuttern laws and the rules to deal with it.

Later the Supreme Court mitiated sction against amoke emitting vehicles at Kuruchi, Rawalpindi, Islamabad, Legal action was also initiated and certain unless were passed against pellution from Industrial waste. But there was no law in rule for none pollution.

Although the Environmental

Protection Agency has fixed national unindards for motor vehicles noise and exhaute, the processment agencies not not repropped with proper instruments to inopferments these standards. To put an end to the use of prensure borns att. Shehel filed a human rights case in the Supreme Court, and some suggestions on effective ways of implementing the standards were put forward.

Subsequently the howorable history Spicem Akhtur took notice of the pronounced irregularaties and an order was passed by tim making it compulsory for the awner of manacycle and rickshibs to get their

vehicles checked for more and sincker pollution. Twice a week vehicular becking was to be eattried out Mornreyele and rickshim onners were given a mouths notice to go their adencers repaired. This order was passed on I November '95.

The latest development on this project is as follows:

On 16 Feburary '94, we recieved a communication from the Dy. Impectes General of Police, Traffic and Highways, Mr. Axad Jahrengie Khan, To the effect that the order passed by the Supreme Court on J. November 93 has been implemented since the one month time limit had passed on 26 93. The drive against noise pollution has been launched, 15 Honomey Truffie Magistrates were appointed they are holding mobile courts and penalizing violations of this type

The number of mobiles held are 91, total challans for emission of excessive smoke 796, certificates of finness suspensied 39%, fine realized

According to the Dy-Inspector General of Police the campaigns are still on. The LGP Simile has been requested to summon for the purchase of 49 Testing Equipment.

We received another communication from the Dy Inspector General of Police on 12-4-94, in response to a letter sent by Shehri, staring that only continencial vehicles are required to obtain fitness certificate. Government has been moved in increase the fine. And that measures are being taken to obtain emission testinu equipment.

NGO FORUM

n Pakistan the NGOs have no coordination which results in doplication of work. In order to demand greater accountability from the government it was felt by many NGOs across the country that a broad based platform be established comprising not just NGOs but also women's, minorities, labor unions to deal with big problems confronting the

To unite the NGOs under a platform Shehri organized a series of meetings of NGOs working in Karachi to discuss the issues and problems being faced by them. The first meeting was held at the on 18th December, 1993. Representatives of different NGOs such as Maulana Sattar Edhi the Founder of Edhi Trust, Dr Khalid Butt Gen Secretary PMA, Zia Awan of Lawyer of Human Rights and Legal Aid, S.M Huda President of Basti, Mian Mumtaz Rafee CCA, Shehri was represented by Navard Husain Chairman, Khatib Ahmed and Mrs Ali Head of Legal subcommittee were the participants. All the NGOs present agreed on the point that there should be no registration for the NGOs.

The Second meeting was held on Saturday February 12th, 1994 in which Tanvir Arif SCOPE, Shaukat Omari CCA/NEDIANS, Nisai Meinon Baloch Promotive Welfare Society, Mian Mumatz Rafee CCA, Amir Maqsood linah Education Welfare Organization and from Shehri Navaid Husain and Khatib Ahmed attended the meeting. It was suggested that an adhoc committee of NGOs should be formed in which representatives of women organizations, and NGOs and CBOs from different walks of life should be

In the third meeting the aims and objectives of NGO Forum were discussed. It was decided that views of different NGOs regarding the arms and objectives of NGO Forum would be collected and after a consensus these will be approved in a general meeung

Since then NGOs such as Urban Resource Cemer, SCOPE, KWAAS, APWA, Shehri, CPLC and Danvood College Urban Design Dept. have find three meetings in order to discuss the Mass Transit Project for Karachi. The concept of a Mass Transit Project

was first flouted in the late sixties. The project was revived at various stages in the seventies and eighties only to be shelved again. It is rightly felt that a city of Karachi's size seeds a proper tramportation system in order to make life more manageble and organised. A better transportation system will also reduce vehicular emissions and reduce

These meetings led to a greater degree of confidence building and communication between NGOs and CBOs. The next step was to start an on-going process in which NGOs could meet around issues.

NGOs have been examing the proposed Mass Transit project with a view to ensure that a project of this nature should not in any way add to the city's problems. NGOs are examining the project before taking a joint stand. These kind of reviews on all major projects and issues should be carried out in order to come up with meaningful answers. In a country where national insitutions have been erroded it is essential that participatory organisations come forward with some solutions to the problems citizens face Hopefully this is the begining of an on-going process in which NGOs will take part. Presentation of the project was made to NGOs ■



UNSLAPPED Continued from Page

Although the former is probably quicker the latter allows your attorney to build a case against the plaintiff through the discovery process, thereby allowing you to bring a counterclaim or to "SLAPT back, an option that has resulted in awards of millions of dollars (up to even \$86,500,000 in one case!) against SLAPP plaintiffs

SLAPP back suits may be grounded on legal theories of malicious prosecution; abuse of process; violation of constitutional rights; violation of civil rights (if a government brought the original SLAPP suit): intentional of negligent infliction of emotional defamation; or other claims

Another way to put the pressure on plaintiffs to discontinue frivolous suits while realizing that there is a risk of exacerbating the legal claims against you- is to mobilize on the public relations front: organizing media exposes, demonstrating or boycotting against the business will cause the business to rethink whether the neperit of litigation outweigh the cost of a bad commercial reputation Likewise, police to the media alleging interference one of the most-valued of American rights constitutionally-guarded freedom of expression— stands a good chance of receiving attention by the press. Nevertheless, while you can consider these alternatives, again, they may be risky in actual practice and should not be attempted without thorough debut within your own organization and mile legal advice.

Don't Be Deterred!

SLAPP suits are losers, rarely especially when citizens have amicipato them and taken proper precautions. Courts are becoming more and more sensitive to the chilling effect of SLAPP suits on citizens who are standing up for the environmental ideals in which they believe...and are coming down hard financially— to the tune of millions of dollars in penalties—on those that the legal system to harass citizens into silence

KARACHI MASS TRANSIT PROGRAM: SOME CONCERNS

By Farhan Anwar (Member Managing committee Shehri)

karachi Mass Transit Program (KMPT) is perhaps one of the most important, controversial and talked about development project of Karachi Although, like so many other development oriented projects, the KMPT is also yet to see the light of the day, it has nevertheless already succeeded in evoking some thought provoking debate on its various technical, financial, and environmental aspects from experts belonging to both sides of the divide. Le those that favour the implementation of this program and those that are against its present form and want it changed or amended to more properly suit the local concerns However the undeniable fact that the need for a good transit system has increased with the growth in size and population of the city resulting in automobile congestion on the roads, pollution and high energy consumption has insured that there are no two opinions about the urgent need of adopting an efficient mass transic program for Karachi

The KMPT is a program which, once implemented would effect the lives of every section of this metropolis, irrespective of the fact whether they avail of it or not. So it is not the least suprising that serious concerns are being expressed from various interested quarters. One area of particular concern relates to the possible environmental and social repurcussions of this program. To address this very issue a contract agreement was signed between KDA consortium of consultants, Karachi Mass Transit Joint Venture (KMTJV) led by a Canadian firm Under the auspicies of the KMTJV an Environmental Impact Study (EIS) for the network of Priority One Corridor (15.2 km long, from Sohrab Goth to Tower) is underway for which engineering designs have also been prepared

A few leading NGO's related to the environmental and social fields form part of the Steering Committee of the EIS process of which Shehri is also Almost all of these NGO's have expressed concern over some issue raised during the course of this study. The most controversial among these issues is the matter of resettlement and compensation of the people residing and doing legal and thriving businesses in the effected areas may not be adequately compensated which may cause serious social chaos in then lives. This concern is begining to heighten as the relevant authorities remain tightlipped about the legal and administrative remifications of such

a process. On a lesser level are issues such as the preservation of buildings of historical and architectural importance which are in danger of being adversly affected by the program and the loss of vegetation cover on the existing medians on which the elevated busways will be built. Another cause of concern is that a lot of pedestrian bridges which fall in the route of the Priority One Corridor, serving as a much needed pedestrian access mode will have to be

The most controversial among these issues is the matter of resettlement and compensation of the people residing and doing legal and thriving businesses in the effected areas may not be adequately compensated which may cause serious social chaos in their lives.

removed once a transitway is built. No feasible alternative pedestrian access mode has been identified in the absence of which it is rightly (elt that the pedestrian load will become unmanagable It is also the unanimous view of the participating NGO's that there is considerable room for modification in the present design such as going for an 'On grade' option on some sensitive portion of the route (housing historical architectural Structures) However they lament that such suggestions are not being properly entertained. One leading NGO has observed that since they were not provided with any kind of comparitive analysis of air/noise and traffic model studies of the various mass transit options they found it extremely difficult to come forward confidently with their recommendations. However despite confidently all these drawbacks most of the NGO's appreciated the fact that they were included in this process which they feel has set a good percedent for future development projects of the city and some good will certainly come out of this process.

Note: The author represented Shehri on the Steering Committee of the KMTIV.





COSMOPOLITAN CLUB REVIVED!

oo often Karachi witnesses the conversion of amenity spaces into commercial businesses. It is seldom and indeed rare to witness the restoration of an amenity area

The Cosmopolitan Club was established in the late 1930's opposite the Quaid-e-Azam's Mazar for the use of the Cosmopolitan Cooperative Housing Society, one of Karachi's first and oldest Cooperative Housing Societies. The late Jamshed Nasserwanjee when laying the foundation stone of the society had said that he hoped the Cosmopolitan Cooperative Society would be a model residential area. Over the years, particularly in the 70's and 80's the Clubs character slowly changed.

Those incharge decided to take advantage of the sleepy, apathetic membership and started letting out the Club premises for marriages and other functions to outsiders.

Over time, recreational facilities were eroded and volumes of garbage, loud music and frequency of strangers on a daily basis, replaced the community atmosphere of the Club.

Once again under the able and benevolent leadership of the new Chainman Mr. G.M. Gangat and the blessings of the President Mr. Nisar Ally Effendi the Club is going to revive all recreational activity and restrict usage of the premises for functions, only to its members. Shehri writes Mr. G.M. Gangat the best of luck and all support.



GREEN PAINTED POTABLE WATER TANKERS

offerting and disposing of wasse in America costs \$4.5 billing each year, the third largest life traden on local communities after fouls and highways.

The Citizens of Karachi are indebted to Mian Mohd. Rafi of Concerned Citizens Association for filing a petition in the Supreme Court regarding the framing of bylaws for the transportation of potable water. They are also greatful to the Judges of the Supreme Court for the timely and effective cognizance of this matter.

We at Shehri are however concerned about the EFFECTIVE implementation of the bylaws by the Directorate of Health Human Resources, capability or the political will to effectively and honestly discharge its duties in this respect. It is urged that the academic institutions of Karachi like the University of Karachi, Institute of Environmental Studies. Institute of Environmental Engineering NED, The Hamdard Foundation and other concerned non government organizations be nominated and given powers to (issue warrant?) and check implementation so as to avoid malpractice and corruption that would of necessity ensue if the task was left to the KMC

arachi is the largest urban center and the most heavily populated city of Pakistan, apart from being its largest industrial and commercial centre.

Due to a high rate of population increase and industrialization the pollution levels in the city are growing by the day.

One major component of pollution is the inadequate disposal of solid waste generated from domestic, institutional, commercial and industrial sources.

The lack of proper and effective solid waste disposal system is a serious threats for public health and deterioration of environmental quality. Karachi city generates more than 6000 tons of garbage per day and concerned civic agencies has to spend a sum of Rs., 387.7 million in 1991-92 to collect/transport only 40% of this volume. It is being predicted that the city will generate 1500 tons of garbage daily in the years 2000 A.D.

The Karachi Metropolitan corporation recovers solid waste Management expenditure through the levy of conservancy charges on the residents though the actual cost is much higher and there is at present a shorage of Rs. 200 million per annum which is expected to increase in the future. Civic agencies procure interest bearing toans from international lending agencies, which add to their budgetary burden. There is a need for government and nongovernment agencies to exert combined efforts in order to evolve sustamble, innovative and appropriate solutions for

waste management based on indigenous resources. This unmanageable waste is creating health liazards as it is spread around on the roads, tots in the bins, attracts rodents and insects or is burnt by the workers of the municipalities to get rid of it, as it is not possible to transport it to dumping size in their present means.

present means. Unmanageable decaying heaps of garbage creates another problem for environment by polluting the air and water, besides creating breeding sites for mosquitoes, files, insects etc. There are a number of factors for the failure of the existing system of solid waste disposal. The major ones are:

High population growth (app 6% per annum)

Lack of civic amenities

Shortage of finances

SOLUTION

There are several solutions to the above mentioned situation but the most feasable among several such options is the promotion of community based solid waste management and promotion of waste recycling and reuse in the country.

COMMUNITY BASED SOLID WASTE MANAGEMENT SYSTEM

The appropriate composition of re-cycling material in garbage generated from different income/socio-economic localities of karachi based on a 1987 study is given below.

36 4 (4)				
Material	Hìgh	Middle	Low	Average
1. Recyclable Solids	93.0%	88.0%	87.0%	89.0%
a.Vegetable Putrid matter (recyclable)	55.0%	53.0%	55.0%	54.5%
b.Recyclable matter other than vegetable matter	38.0%	35.0%	31.0%	34.7%
Other solids like earthen ware, miscellaneous etc.	07.0%	11.6%	13.0%	10.5%

Ð

The above table gives a complete picture of waste generated in the city which has potential for recycling. A high percentage of the garbage is putrisable and can be processed near the source, thus reducing the load of garbage that needs to be transported to the dumping grounds.

manaceus to be transported to the durifying grounds. Shehri-CBE is interested in undertaking a demonstration project to utilize the putrisable material on "Community based solid waste management" in the area of PECHS Block 2 on the bett between Kashmir Road and Khalid Bin Walid Road Karachi. It is proposed that a model house to house and institutional garbage collection system be organized with the participation of residents of the are...

COMPOSTING

Environmentally sound practices of solid waste management will be adopted for collection, and separation of recyclable material at house hold level. The collected garbage will be dumped on a near by plot where a pilot scale compost plant will be installed. The organic waste that is left after separation of recyclable material will be converted adopting appropriate techniques. This will give an economic out-let of organic re-cycle able waste. Besides identifying the economic re-use and re-cycling of other non-compostable material. This research and development project will be a pilot scheme which we hope will be replicable and adopted in future by the other areas.

Through this project Shehri-CBF, will also create awareness



BIODEGRADABLE GARBAGE In plastic containers (Irft), transferred in clay pot (centre), covered by a layer of earth (right)

on health and environmental safety in the area through seminars, meetings, workshops, symposia at neighborhood level. It will be an example for the Municipality to learn how to introduce a new method for treating solid waste. Sheltri-CBE will also request the Govt, authorities and Institutes to provide adequate facilities to Municipality to deal with these issue We hope through the cooperation and collaboration of the municipality an integrated system can

This project will also help in developing a system of active participation of the communities, thereby raising further awareness.

OBJECTIVES

be evolved.

OBJECTIVES
Shehri hopes that the following objectives will be achieved by the project:

Reduce the bulk of garbage at the bins (kundi)
 to be transported thus saving the cost of transportation.

2 Abate pollution because the left over garbage need not to be burnt

3 The converted compost will act as soil conditioners and will improve fertility of land, and help develop green belt areas in the locality

4. It will aesthetically improve the environment of the area



PFIZER

A global company at home with many nations

In the war against disease ... Pfizer has contributed over a hundred years of painstaking research and experience This performance leads to the worldwide trust in Pfizer quality medicines.

Full Information Available on Request,

Mizer Laboratories Limited, 12, Dockyard Road, Karachi