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ENERGY UPDATE

SPECIAL REPORT:
15th AEEA 2018



**Burden of high hopes,
turning around Pakistan**
**Whole world eyes
on Imran Khan**

**Selling Pakistan's
Water Rights**

**Circular debt reaches
beyond Rs1000 billion**

**Plastic becoming biggest
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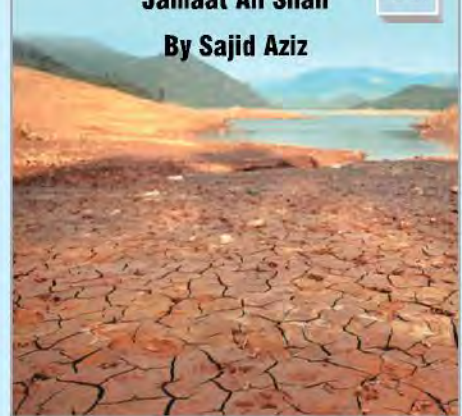


Selling Pakistan's water rights

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From the editor's desk...

Environmental degradation causing Rs365 billion annual loss

As per the estimated figures quoted by the experts, the environmental degradation is costing Pakistan's economy over Rs365 billion every year. This accounts from inadequate water supply, lack of access to sanitation and hygiene, agricultural soil degradation, indoor and urban air pollution, lead exposure, land degradation, increasing temperature (global warming) and deforestation. In fact, the environment strains faced by Pakistan over the past decades, is becoming a major threat for its citizens and the economy while all the rulers are criminally ignoring this mammoth threat to the nation.

The survey says that high migration to urban cities has made the metropolises very congested, resulting in inadequate civic infrastructure. Increased urbanisation, in turn, has led to air pollution and sanitation issues.

Air quality data recorded in cities confirm the presence of high concentration of suspended particulate matter in air, which is 2-3.5 times higher than the permissible limit. The survey reports that oxides of nitrogen (NOx) continue to increase in major cities mainly due to the rising number of CNG-operated vehicles. Formation of smog and haze is a common phenomenon in Pakistan's cities.

Most urban citizens rely either on private motor vehicles or two wheelers or the informal transport sector for urban transport. Diesel vehicles using crude diesel oil and motorcycles and rickshaws are of primary concern. Due to overloading, faulty injection nozzles and weak engines, these vehicles emit excessive carbon, while motorcycles and rickshaws, due to their two-stroke engines are the most inefficient in burning fuel and thus contribute most to emissions.

The survey says that vehicular emissions in all the major cities of Pakistan are the primary source of air pollution, adding that the transport sector is the largest user of petroleum products. Some other causes of air pollution listed in the survey include abrupt increase in the number of vehicles, inefficient automotive technology, use of unclean fuels, uncontrolled emissions of industrial units, emissions of brick kilns, the burning of garbage and the presence of dust.

The survey predicts that if existing trends continue, the country's population would grow from the present 220 million to 240 million by 2025. This would increase the number of vehicles from 11 million to 35 million, further deteriorating the air quality in cities. Moreover, with a growth in population, water pollution is also expected to increase proportionately, which could add 25 per cent more pollution to the water bodies.

Another fallout of urbanisation is solid waste generation. The survey says municipal sewage disposal is a serious environmental problem. Proper solid waste management has never been practiced in Pakistan. The country does not have a proper landfill or other disposal infrastructure. Neither do industries have treatment facilities. The collected waste is dumped on open spaces and low-lying areas. Whatever toxic is produced by disintegration of waste seeps into aquifers and pollutes underground water.

The problem of garbage disposal in Pakistan is mammoth. About 60,000 tonnes of municipal solid waste is daily generated in the country, while an estimated two million wet tonnes of human excreta is annually produced in the urban areas, of which 50 per cent goes into fresh water bodies. Only 8 per cent of the total wastewater is treated and the rest is discharged untreated into water bodies.

Pakistan is extremely vulnerable to climate change impacts because of its geographical location, high population and low technological and resource base. Environmental degradation, along with poor hygiene, lack of basic sanitation and unsafe drinking water, is likely to have a huge impact on the health of the population, particularly children under five. The survey mentions that the Government of Pakistan is not taking any significant initiatives in collaboration with international agencies to counter complex issues regarding environmental degradation.

Its pity that Pakistan has unveiled its water policy first time in the history but there is no one to implement it while country is facing acute shortage of water by every passing day.

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The burden of high hopes, turning around Pakistan

Whole world eyes on Imran Khan

By Sajid Aziz

First time ever in the history of Pakistan, an elected Prime Minister has made uncountable promises to the nation in his maiden speech to the nation after taking oath. A leader has to prefer tough decisions over popular ones to bring nations out of troubled waters. So far, Imran Khan's decisions seem to be compromised for one or the other reason. The cricketer-turned politician and the Chairman Pakistan Tehreek-e-Insaf (PTI), Imran Khan has taken oath as the 22nd Prime Minister of Pakistan. In a country like Pakistan where politics is dominated by a few political clans and the parties, elevation at the helm of a non-traditional politician with no political heritage is indeed a stunning political upset and a welcome change.

Prime Minister, Imran Khan's joyful face, during the oath taking ceremony, tells the story how happy the captain was on his great political achievement. For Imran Khan, once a lone



member of PTI in National Assembly, becoming the prime minister of Pakistan is like a dream comes true after a long and hard fought political battle spanning over twenty two years.

Khan has successfully mobilised the youth of the country and inspired them with his political vision of 'Change'. The people disappointed with the status-quo and traditional politics voted for him hoping for a positive change to country's dismal economic, political and security situation.

With Imran Khan at the helm, never before, the nation was seen so optimistic and upbeat about the future of country. The PTI supporters, especially the youth, showed their optimism by expressing their views on social media.

Will the newly elected, prime minister and his party be able to carry the burden of high hopes with gigantic economic, political and law and order challenges ahead?

Pakistan is facing massive challenges like sinking national economy, industrial sector to its knees, mammoth foreign and circular debts, limited foreign exchange reserves, worst current account deficit, debt servicing, international isolation, bitter relations with USA and some other countries, hostile neighbour, bad governance, terrorism, foreign funded insurgency in Balochistan, water squeezing by India, health and environment related threats, corruption beyond limits and many uncountable issues are on top of the list.

Though there will be no easy task for Imran to cope with each and every problem so easily but 'when where is will, there is a way'. Imran if aided by a competent team, will definitely find, any ways to resolve the issues and bring the looted money back. The most trumpeted austerity drive is not a problem as he knows well that how much he can eat and how many cars he can drive on public money?

Bringing back looted money too, is quite easy as if a person like Mohathir Mohammad at the age of almost 90 can do that why not Imran Khan who has fullest backing by the masses.

PTI led government will be able to bring about revolutionary change overnight but the direction of the country set in the initial few months could decide ultimate fate of their governance and the country at large. ■



خان

نہیں چھوڑے گا

اتنی آسانی سے اب جان نہیں چھوڑے گا
جو لیرا ہے اُسے خان نہیں چھوڑے گا
جب تک ملک کی دولت کو نہ واپس کر دے
تب تک اُس کا گریبان نہیں چھوڑے گا
جو نئی فکر جوانوں میں ہوئی ہے پیدا
اُس نئی فکر کو عمران نہیں چھوڑے گا
وہ اگر چھوڑنا چاہے بھی قیادت کا چلن
اب اُسے ایک بھی انسان نہیں چھوڑے گا
وہ ہو انصاف، معیشت کہ نظامِ تعلیم
خان اب کوئی بھی میدان نہیں چھوڑے گا

میچ فکسنگ سے چلیں جس نے سیاسی چالیں
اُس کھلاڑی کو بھی کپتان نہیں چھوڑے گا
دین میں عقور چہارم کی اجازت ہے، اُسے
اس رعایت کو مسلمان نہیں چھوڑے گا
اس کے دفتر میں جو بیٹھے گا سفارش کے لئے
ایسے مہمان کو دربان نہیں چھوڑے گا
تو اگر قوم کے انگلوں کا مداوا بن جائے
پھر تجھے خالد عرفان نہیں چھوڑے گا

خالد عرفان

Circular Debt reaches beyond Rs1000 billion

Energy sector's mammoth liability crippling economy

By Sajid Aziz

The big claim in what the outgoing government of PML N has taken the credit of ending up loadshedding by

commissioning of tons of new power plants has proved to be total false. Despite low oil prices the circular debt has crossed the mark of Rs1000 billion emerging as a grave threat to the economy. Circular Debt has remained to be the biggest and most difficult issue of the energy sector that was never addressed by Nawaz Sharif during his regime.

On the side, LNG and many other power projects have failed to deliver raising concerns about investments to the tune of billions of dollars. Political interference, mismanagement, and secrecy has damaged the power sector resulting in circular debt which is draining the resources experts while raising alarm declared that this phenomenon of multiplying massive debts would finally result in collapse of the economy.

"The unaddressed circular debt is to compromise growth and hitting masses with power outages in the summer and later, which is contrary to the claims of production of electricity to the tune of 25 thousand megawatts; more than the national demand," Dr Murtaza Mughal, an economist said that the debt

has become a big threat to the image, credit rating and economic survival of the country. It is hitting industrial expansion, investment in Thar coal and other energy projects and pushing away investors while it is leaving IPPs unable to buy fuel or repay bank loans.

The chronic circular debt hits ability of the government institutions to buy fuel resulting in problems including loss of around Rs400 billion to the industrial sector, increase the cost of production, reduce exports, tax

collection and fan restlessness.

Things are seriously wrong deep inside the energy sector and the way it is managed by the government. Various measures the PML government has taken, have failed to deliver.

facing water shortage in the dams add to the surprise of the many water experts the water has gone to the dead level at Tarbela Dam at this period of time when dams usually face flood like situation. Then how we generate hydel power that is our major source of electricity. The people have now started facing consequences of what we we had been raising alarm continuously during last many years about the disasters played by PPP and PML N governments. ■



Hospitals' waste causing big threat to the environment

By Ismat Sabir

The environment in Pakistan is degrading day by day, because everywhere especially in big cities like Karachi, Lahore, Rawalpindi and Faisalabad etc, heaps of garbage can be seen everywhere lying in cities creating environment polluted. One of the main causes of garbage is hospitals, therefore is being discussed here.

Experts said that about 200 MW electricity can be generated from landfill garbage sites only. The Sindh Solid Waste

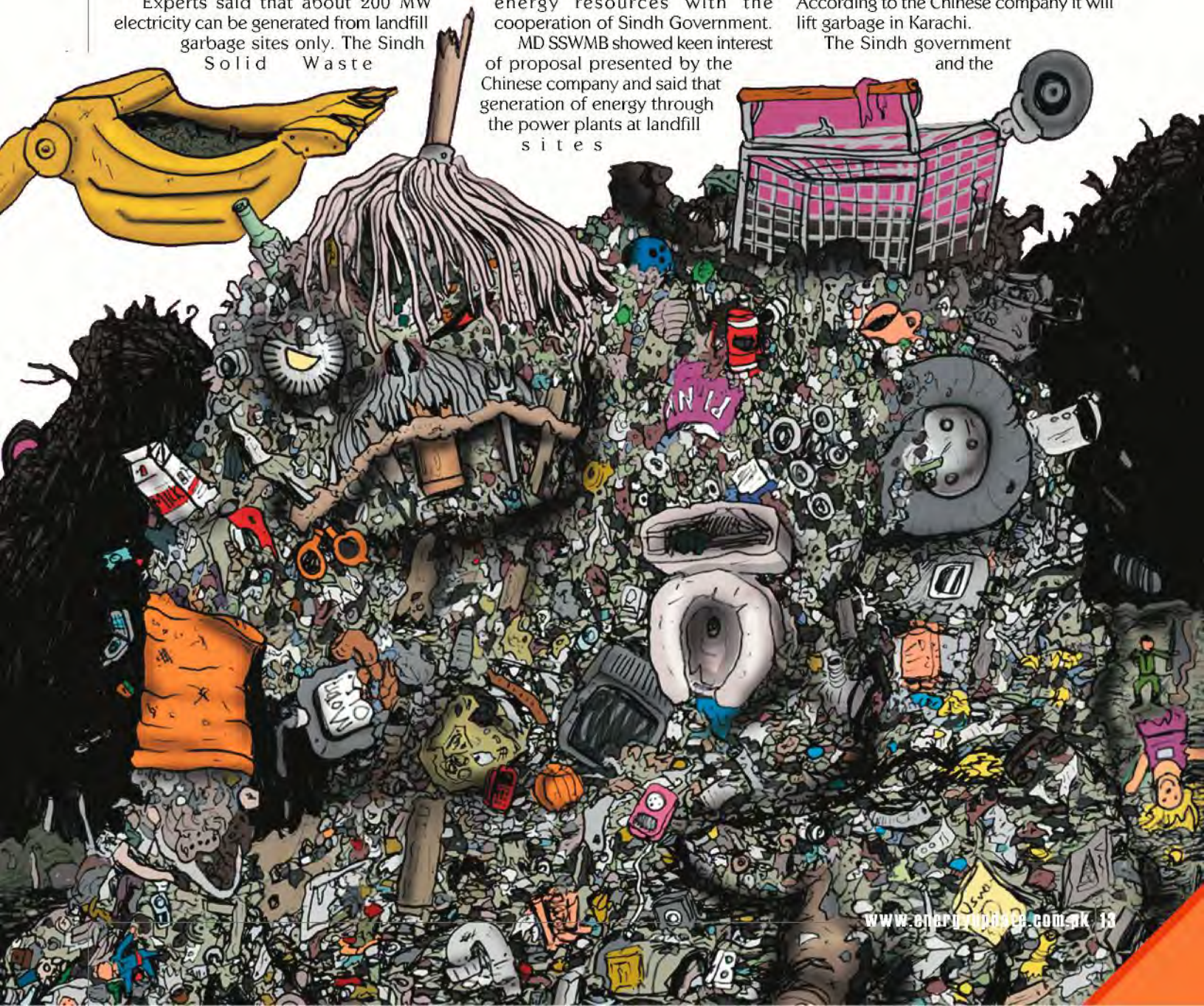
Management Board (SSWMB) aims to generate 200 MW electricity from garbage with the cooperation of Sindh government in near future. This was stated by Managing Director SSWMB, A. D. Sanjnani with a Chinese delegation who also discussed recycling process of garbage especially Industrial, Agricultural and Hospitals waste and utilize it for producing alternate energy resources with the cooperation of Sindh Government.

MD SSWMB showed keen interest of proposal presented by the Chinese company and said that generation of energy through the power plants at landfill sites

especially beneficial for the Karachi.

According to details, the Sindh government is discussing with a Chinese firm for a waste-to-energy unit that could generate about 200 megawatts of electricity at one of Karachi's landfills. About 88 percent of residents believe cleanliness is the city's biggest problem, thus this move may appear positive. According to the Chinese company it will lift garbage in Karachi.

The Sindh government and the



Chinese firm have inked an agreement for garbage collection in Karachi, where the solid waste problem has assumed crisis. The agreement in this respect was signed between the Sindh Solid Waste Management Board and Chinese company Wuzung, Radio Pakistan.

Under the first phase of the agreement, Wuzung will collect waste in South and East districts of the metropolis. In both districts, the Chinese company will lift garbage from house to house free of cost.

Garbage containers and trash cans will also be installed at various spots in the districts. The waste management board plans to sign an agreement with the Chinese firm for garbage disposal in other districts of Karachi also.

The Sindh government has been struggling to contain Karachi's garbage emergency for years. In neighborhoods across the city mounds of garbage can be observed piling up everywhere. Pakistan is being the 6th most populated country in the world; there is a lot of consumerism and creating lot of waste. More waste is being produced than the number of facilities available to manage it. Some of the waste collection systems are:

As a result of these problems, waste is accumulating and building up on roadsides, canals, and other common areas and burning trash is common, causing hazardous toxins to be exposed thereby threatening human and environmental health. Among the already few landfill sites that are present, even fewer are in operation. Even within Pakistan's capital, Islamabad, there are no permanent landfills are found.

The waste on the roads allows for an ideal environment for various flies and mosquitoes to thrive which affects both human health and the health of environment and for other species. The poor solid waste management in Pakistan has caused numerous diseases and rising environmental problems. In Lahore, the capital of Punjab and the second largest city in Pakistan, there are currently no controlled wing of waste disposal facilities are formal recycling systems, though roughly 27pc of waste (by weight) is recycled through the informal sector, Lahore does not have very high performing governmental management in the waste management situation. Instead, the City District Government Lahore established the Lahore Waste Management Company and left the responsibility of the Solid Waste Management in Lahore to them. Beginning in 2011, Lahore Waste Management Company strives to develop

a system of SWM that ensures productive collection, recovery, transportation, treatment and disposal of the waste in city.

Lahore Waste Management Company (LWMC) has over 10,000 field workers involved in waste collection and disposal. Though the LWMC is working in phases, 100pc collection rates are not seen yet. Lahore currently only has three disposal sites which are no more than dumps, where illegal dumping and trash burning is common. However, there is some resource recovery taking place. It is estimated that 27pc of dry recyclables are informally recycled within the city. Additionally a composting plant converts 8pc of waste into compost.

Actually the governance over the Waste Management in Lahore is hardly present. Though there are current projects and plans taking place, by the LWMC, in order to achieve a productive and sustainable system in the city is necessary for all service providers, formal, private, and informal, to take part in decisions and actions.

In November 2013 a German company, agreed to invest in the installation of a 100 megawatt power plant which generates energy from waste from Lahore. Progress is being made on the country's first scientific waste disposal site in Lakhodair. With this in mind, the Lahore Waste Management Company considered other possible technologies for their Waste-to-Energy project. They opened up applications for international companies to hire as the official consultant for LWMC and their project. The results of the feasibility study showed that the power plant has the potential to process 1035 ton of municipal waste daily, and generate 550 megawatt electricity per day. Although SWM policies do exist, the levels at which they are implemented and enforced lack as a result of the governmental institutions lacking resources and equipment. Waste practices in the Pakistan need to be improved. This can start with awareness to the public of the health and environment impacts that dumped and exposed waste causes. It is imperative for the greater public to become environmentally educated, have a change in attitude and take action.

Healthcare waste management (HCWM) is still a major challenge for health facilities in developing countries where the health care staff and surrounding population is exposed to risks due to poor handling of waste. The toxic waste generated by hospitals worldwide

includes used syringes, bandages, intravenous drip bottles, blood bags, biomedical waste such as organs and medical Instruments. Sharp objectives have the highest rate of causing injuries to hospital staff and transmission of infections. About 12,000 million injections are used every year. Approximately 15pc waste is anatomical with infectious and sharps constituting 1pc of total health care waste globally. Waste produced in high income countries is higher than that from low income countries with production of about 6 Kg and 3 Kg per person per year. Globally hospital waste is regarded as a hazardous; therefore, it has to be treated accordingly. Healthcare workers, patients, waste handlers, waste pickers and the general public are all exposed to health risks from infectious waste. The improper disposal of bio-medical waste includes open dumping and uncontrolled burning. If bio-medical waste gets mixed with other waste, it contaminates all waste. According to a World Health Organization (WHO) assessment there were about 22 countries in 2002 which had about 64pc hospitals with no proper waste disposal methods. Hospitals in developing countries including Asia suffer from a lack of proper management of waste.

In this regard an incinerator was installed, in a tertiary care hospital in Rawalpindi, which was provided by the WHO and the hospital was later made Combined Treatment Facility (CTF) in 2009 and ten other allied hospitals in the catchment area used this hospital for their waste disposal. Hospital staff went through phases of training and the HCWM system was put in place. Training of health care staff on waste management is said to be associated with a significant reduction in the incidence of sharp injuries to workers in the health facilities. The health care workers were trained by using the guidelines provided by WHO on HCWM.

There was no proper availability of trolleys and color coded bags for waste transport in both private and public sector hospitals. The waste was being collected in open trolleys once a day in the morning without using the proper standard operating procedures of waste transport to CTF for treatment and disposal.

The private hospitals did not have permanent vehicles for transporting the waste to the CTF hence they were using different kinds of locally used transport for this purpose. This also posed risk to the general public as the waste remained exposed during shifting to the CTF. ■

Plastic becoming biggest menace in Pakistan

By George Sadiq

Since the last 60 years or so, we have become a throwaway society. At school, we learnt that water, air and soil are the essential items for life to go on. Today, it seems as though plastic is something we can't do without, so forceful is its intrusion in our daily lives. Cheap, light and easily available - plastic has become the biggest menace on the planet.

Plastic has been around for about 50 years and by now has cluttered every nook and corner of the world. Up to the '70s, the use of plastic was not so visible in Pakistan but, '80s onwards, plastic tumbled in from all over.

Remember when a metal utensil had to be taken out to buy yoghurt or take-away nehari. Halwa puri came in brown paper bags or wrapped in newspaper just the way pakoras and parathas were bought. One left the house with a piece of cloth to purchase and bring home naans. Milk was bought in a pail or received at home from the doodhwalla in the pot it would be boiled in. Ceramic ware and pottery was preferred for storage purposes and people had a basket or a cloth bag to carry home groceries. Meat was also wrapped in newspapers. Grocery bags would be washed after a visit to the market and, voila, we were all set for the next trip.

In clinics and hospitals, syringes were made of glass that were sterilised in boiling water and used countless times for months or years. Even baby feeders (bottles) were made of

glass and were washed and sterilised by mothers and used as long as the feeder remained useable. Mothers used washable diapers for their babies. Soda or Dettol would be added to the boiling water used to wash soiled diapers. This was a standard lifestyle which generated not much garbage.

Conceding to convenience, we have now become addicted to using plastic without realising its destructive consequences.

People don't bother to carry a bag to the shops, shopping malls or grocery stores. On the other hand, being a very cheap product, shopkeepers prefer to keep plastic bags rather than the more expensive paper bags. It is common practice for a shopkeeper to happily pull out a plastic bag even for a small item. On the part of the shopkeepers, it is a matter of saving cost on paper bags thus ensuring profitability and, on part of the customers, it a matter of convenience.

It is the natural temptation towards convenience which is the major cause of plastic pollution leading to an addiction to disposables. From cups to diapers to syringes to furniture, plastic is ubiquitous. Most plastic litter comes from single-use or disposable items, which have been inadequately disposed of and not recycled.

And then man began to realise that the ever-convenient plastic bags have made their way into the rivers, water channels and finally into the seas and oceans. Even the soul of the strongest person would shudder to see hospital waste
b e i n g

Conceding to convenience, we have now become addicted to using plastic without realising its destructive consequences.



Plastic Hazard

dumped in rivers in the mountainous region, much of which contains plastic. Most cruelly, the natural resource coming down in the purest form from glaciers has been polluted.

On a breezy day, plastic bags can be seen flying in the air. On negotiating a rainwater puddle, one may be shocked to see a diaper floating along with other filth or plastic packaging. One person's convenience becomes another person's inconvenience.

As per global estimates, approximately 300 million tonnes of plastic is produced each year, out of which only 10 percent is recycled while around seven million tonnes makes its way into the seas. Microbeads in cosmetics and toiletries such as

toothpaste, have been found to affect the growth of fish larvae and persist in the guts of creatures - from mussels to fish - that swallow them.

Drone photography shows plastic garbage taking the form of huge rafts spanning over kilometres floating on the surface of the seas and tons and tons of plastic covering ocean floors. This has had devastating effects on marine life. Prior to the advent of plastic, fishing nets were made out of yarn and jute and ship-mooring ropes were also made of jute which is bio-degradable and but now these materials are expensive, so the first choice convenient for fishermen or the ship owners is plastic material.

Sea creatures and birds die wrapped

in plastic sheets or plastic nets. Occasionally, bellies of dead fish and birds are opened to find the cause of their death being plastic items which they swallow thinking it to be food. The plastic completely blocks their digestive system after which they endure slow death because of hunger and starvation as they cannot eat anything anymore. In a way, humans have started a silent war against the marine species with a weapon of mass destruction in the form of plastic.

As the human population is multiplying fast, the planet will not be able to sustain our food needs thus ultimately we will be relying on our seas and oceans. It is unfortunate that due to our irresponsible attitude, we are polluting the future food source of our coming generations. The very custodians of the earth are on a rampage to destroy the seas, the oceans, land and the air without thinking of the consequences. In search of convenience and high profits, we have forgotten that to live on this earth humans also need fresh food and a healthy environment.

Plastic pollution has taken the form of a global plague and cannot be tackled by governments or their agencies alone. Every citizen on this earth needs to voluntarily act to reduce his or her individual consumption of plastic items in daily life or else the plastic monster will consume every living thing. Scientists call for improved plastics design that would encourage recycling and prevent single-use containers from entering the oceans and breaking into small pieces in order to protect marine life and for us to continue consuming plastic but not be consumed by the convenience itself. ■

DHA pledges to treat all sewage by 2020



The Defence Housing Authority on Monday informed the Supreme Court-mandated commission on water and sanitation in the province that no untreated waste water from its four phases will be discharged into the sea after April 2019. The DHA through a report also undertook that the waste water from its remaining phases will be treated through integration with treatment plant-VI by 2020.

In compliance with the commission's directive, the DHA filed the report after a series of meetings between officials of the DHA and the Cantonment Board Clifton (CBC). Head of the commission retired apex court judge Justice Amir Hani Muslim examined the report and said that the report would be taken on record after some modifications. The commission recommended that the capacity of the proposed sewage treatment plant in the Kublai Khan area of Seaview be raised to two million gallons daily instead of 1.5MGD while its completion date remain the same (April 30, 2019). It further asked the DHA that the integration of sewage from phase I, II, II-extension, VII and VII-extension into S-III would be done at the

main trunk, subject to the satisfaction of the S-III project director while the DHA should take up the issue of getting the requirements set by the Karachi Water and Sewerage Board (KWSB).

The arrangements proposed by the DHA will be subject to the payment of dues to the KWSB for the facility provided by them through the main trunk of treatment plant-IV, it added.

The commission further ruled that no integration of DHA sewerage would be allowed into any other system either from treatment plant-V or otherwise while the DHA would ensure that no untreated waste was discharged into the sea or in any other system after the deadline given in the report.

Justice Muslim further said that the increase in supply of drinking water would depend on the overall availability of water in the KWSB system. The KWSB was directed to issue a notice to the cantonment boards to install flow meters where they are needed.

The commission also directed the cantonment boards to clear the arrears within one month after the KWSB chief complained that arrears were pending against monthly billings. However, the commission appreciated the efforts made by the DHA and the CBC in reaching the conclusion which it said would have far-reaching effects on the public at large. It also lauded Asif Hyder Shah, a member of the commission's task force, for bringing about consensus between the departments within and outside the province. ■

Life is not qualified by fluent English, branded clothes or a rich lifestyle. It is measured by the number of faces who smile when they hear your name.



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2019

incorporated with 11th International
 Corporate Social Responsibility Summit 2019

January 2019 at Serena Hotel, Islamabad

For Nomination & Registration:

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Selling Pakistan's water rights

People demand Chief Justice, Army Chief to arrest and hang ex-Indus Water Commissioner, Jamaat Ali Shah

It seems that the power corridors are least bothered about Pakistan's future and oblivious of a possible drought looming large in years to come. The successive governments of PPP and PML were urged to discuss water rights issue with India, repatriate the biggest criminal, former Indus Water Commissioner, Jamaat Ali Shah for not protecting Pakistan's water rights but even offering as many as 52 (NOC), No Objection Certificates to enemy country to construct dams on Pakistan's rivers.

A number of experts, non-governmental organizations, and even Senate Committee have declared that Jamaat Shah was responsible for the country's water woes and was hands in gloves with Indian agencies and he has minted money massively from those agencies and must be arrested and repatriated to the country through Interpol from Canada.

"The government should have arrested Jamaat Ali Shah. He is the man behind Pakistan's water crisis," accused by the panel chairperson Kalsoom Parveen. Parveen added that India was constructing more dams in Indian held Kashmir in violation of the Indus Water Treaty and other international agreements between the two countries.

Shah was removed from office in 2010 after being accused of not protecting the country's water rights as he allegedly did not pursue the case put forward by Pakistan against the construction of the Kishenganga Dam by India on the Neelum River

By Sajid Aziz

but instead he favoured India secretly. The erstwhile Jamaat Ali Shah has also helped India to construct Nimo Bazgo dam, another mega project by India on Indus River.

According to sources, the FIA and Pakistan's intelligence agencies believed Shah acted maliciously to allow India a 'free hand' to build the 57-metre high hydropower project in Leh District of Held Kashmir, which some believe caused great damage to the water interests of our beloved country.

According to the report, Military Intelligence (MI) Directorate had informed the government on June 6, 2005 that India was planning to construct the Nimoo-Bazgo hydroelectric project, which would be completed by 2010. The report also divulged that Inter Services Intelligence (ISI) further informed the government on July 25, 2005 that the Indian Prime Minister, Dr Manmohan Singh has visited Leh, Kargil and Siachen Glacier on June 11, 2005 and laid the foundation stone of Nimoo-Bazgo and Chutak hydroelectric power plants. Similarly, the ISI on September 7, 2005 shared information about the visit of the Indian prime minister to Siachen and Kargil.

The report also reveals that the PCIW headed by Syed Jamaat Ali Shah remained silent during 2007,2008,2009 about the



Why perpetrator Jamaat Ali Shah responsible for Pakistan's water woes is not being repatriated from Canada?

project. But surprisingly it started pursuing the project vigorously at all levels when it was known that it would be impossible to change the design of the project after its completion. By that time it was too late for any court or neutral expert to give decision against the project.

A water expert Arshad H Abbasi associated with SDPI claims it was he who pointed out that Mr Shah did not visit the site of the Nimoo-Bazgo and let India complete the project and to this effect he wrote many letters to the prime minister. He also said that Mr Riaz A Khan, then advisor to ministry of water and power, who is no longer associated with the ministry is also involved in helping India clinch the carbon credits from the UN.

According to sources, Mr Kamal Majidullah, Special Assistant to prime minister on water also played a role in implicating Mr Jamaat Ali Shah in the Nimoo-Bazgo case. Mr Shah says that in July last year (2010) he recommended to Kamal Majidullah to move court of arbitration (CoA) against India for building Numoo-Bazgo, which is not in line with Indus Waters Treaty, but the authorities concerned remained unmoved.

It was reported earlier that the federal government was in contact with Interpol for repatriation of Shah from Canada, however no detail has been given by the govt circles yet.

As a consequence of conspiracies by Jamaat Ali Shah, the River Indus remains dry the whole year long and at this time when mon soon has already started and many rivers that become flooded with water, are still waterless. ■

A woman dies. In heaven she sees a large Wall full of Clocks.

She asks angel: What are these for?

Angel answers: These are Lie Clocks, every person has a lie clock! Whenever you lie on earth, clock moves.

The woman points towards a clock and asks: Whose clock is this? ...

Angel says: Its Mother Teresa's. It never moved, showing that she never told lie.

The woman asks: Where are the clocks of Married men?

The angel replies: Those are in our office, We use them as 'OFFICE FANS'

She then asked, what about the Married women?

The angel replied, 'those are kept out... they are generating electricity...!!



Engro Corporation & Royal Vopak sign LNG infrastructure agreement

Engro Corporation Ltd, (Engro Corporation) of Pakistan and Royal Vopak of the Netherlands today announce the signing of a Share Purchase Agreement in which Vopak will acquire a 29% share in Elengy



Terminal Pakistan Ltd (ETPL). ETPL's wholly owned subsidiary, Engro Elengy Terminal (Pvt) Ltd (EETPL) owns LNG facility which is located in Port Qasim in Pakistan, adjacent to the Engro Vopak chemical terminal on the mainland side of the channel into Port Qasim. The facility has been in operation since 2015 and is the first LNG import facility in Pakistan.

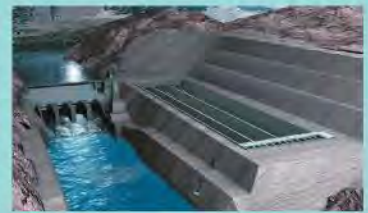
The facility consists of an LNG jetty including a 7.5 km high pressure gas pipeline. This pipeline is connected to the grid of EETPL's sole customer Sui Southern Gas Company Ltd, a Pakistan government owned entity. EETPL holds a 15 year Floating Storage and Regasification Unit (FSRU) time charter. The liquified gas is supplied, under long-term contracts, via LNG carriers from various exporting countries to the FSRU, which is moored to the EETPL jetty and connected to its pipeline. The regasification takes place on the FSRU and the gas is transferred to the mainland where, under high pressure, it enters the grid of the customer.

"Our relationship with industry leader Royal Vopak is over two decades strong, and today's announcement is another step towards further strengthening that relationship. We're excited to enter into this mutually beneficial partnership with Royal Vopak which will allow Vopak to realise their strategy of entering the Pakistan energy market and will pave the way for Engro and Vopak to collaborate in further ventures at home and abroad using their combined resources and expertise," said Ghias Khan, Engro Corporation President and CEO. "Engro has always endeavored to bring the best of the world to Pakistan because we recognize that developing markets require FDI in infrastructure and projects to remain on a path of progress."

Eelco Hoekstra, Chairman of the Executive Board and CEO of Royal Vopak, said "We very much look forward to further build, inside and outside of Pakistan, on our excellent partnership with Engro. This new step in our cooperation gives Vopak an excellent entry in the growing Pakistan LNG market. This fits very well our ambitions to grow and diversify our service offering in LNG." ■

Neelum Jhelum power generation increases to 726 MW

The power generation from strategically important Neelum Jhelum Hydropower Project has increased to 726 MW today. At present, three out of four units of the project i.e. Unit No. 2, 3 and 4 are contributing to the National Grid upto their maximum generation capacity. Since its operation, Neelum Jhelum Hydropower Project has provided about 336 million units of electricity to the system so far.



Neelum Jhelum Hydropower Project, constructed in Azad Jammu and Kashmir on River Neelum, has an installed capacity of 969 MW. Four power generating units have been installed in the Power House, each of them having generation capacity of 242 MW. The project will provide about five billion units of electricity to the National Grid per annum. Annual benefits of the project have been calculated at Rs55 billion. ■

Apex court shuns Port Polluters

All dirty cargo handling would be through PIBT

The health and safety of residents of Clifton Block 1, 2 and adjoining areas will continue to face serious threats till the time KPT continues to operate its coal yard in close vicinity of these residential localities.

Speaking at a press briefing, concerned environmentalists lamented sheer apathy of the relevant authorities as no one ever bothered to come forward to take strict penal action and shut down the coal yard having serious consequences for nearby Clifton residents.

The media briefing on petition on air pollution in Karachi was organized by National Forum for Environment and Health in connection of campaign Save Karachi.

Speaking on the occasion, the concerned environmentalists demanded the government to immediately shut down the coal yard of KPT near Clifton to save the situation of environment of the area from utter crash.

They said that relevant authorities allowing continued operation of the coal yard were in fact committing an act of sheer criminal negligence having serious repercussions for environment and safety of the entire area. They demanded that the government should come up with a comprehensive, human and environment friendly policy and guidelines for import, handling, storage, and transportation of coal especially for energy projects.

Until and unless such a binding policy and guidelines are not ready, unsafe dumping and transportation of coal from various spots in the city should be immediately stopped.

Such a policy is urgently needed on mandatory basis as Pakistan is all set to exploit for the very first time its own coal reserves in Thar for power generation.

Speaking at the briefing, environmental consultant Saquib Ejaz Hussain associated with EMC Pakistan, said that there was no way out other than immediately stopping storage and transportation of coal nearby Clifton in order to ensure health and safety of its residents. He said that continued presence and operation of KPT coal yard nearby Clifton brazenly flouted national and provincial environmental laws and regulations. He said that unsafe and unchecked storage and transportation



of coal from KPT coal yard had been causing irreversible damage to physical environment of adjoining Clifton area as health of its residents would be compromised if this activity further continued.

He said that nearby marine environment and ecology would be seriously harmed if coal dumping, handling, and transportation continued at the site of coal yard near Block 1 and 2 Clifton.

He said recent scientific surveys and analyses had shown that air quality of the Clifton neighborhood adjacent to the coal yard had already been seriously compromised. In some of the instances, the environmental samples of the area had shown that prevalence of hazardous particulate matter had exceeded several times than the permissible limits set by the World Health Organization.

"We simply don't have any policy or system in place to check what type and standard of coal is being imported in the country as we should inspect each and every consignment of imported coal in order to determine it's hazardous for the environment," said Mr Hussain.

He said that in compliance of the court orders, the storage and handling of coal at KPT's yard near Clifton had been restricted to 200,000 tonnes per annum but rest of the coal was now being stored and handled at 25 other sites within the radius of five to 10 kilometres of the KPT.

He said that storage and handling of coal at such greater number of sites in the midst of residential localities should be stopped forthwith in order to safeguard health of their residents.

He said that country, while doing a number of coal-based power projects didn't have any policy to consume and

safely dispose of hazardous waste being produced as the result of coal burning.

Veno Advani, concerned environmentalist whose petition on air pollution is at present being heard by Supreme Court, expressed surprise that Pakistan had initiated a number of coal-based power projects when rest of the world had largely been abandoning this energy resource owing to its serious hazardous for the environment.

He said that Pakistan had been relying on Chinese technology, manpower, and expertise for doing coal-based power projects at such a time when China itself had either stopped work altogether or delayed completion of some 104 coal power plants there.

He said it was high time that government should come up with a comprehensive policy and guidelines regarding import, handling, storage, and consumption of coal for energy production. "Once all these coal-based projects will be operational, there would be no turning back as then we will not be able to take any corrective measure to safeguard environment," he said.

Mr. Advani said that there were some 100 cities around the world whose energy needs to a large extent were met through renewable resources of power as such environmentally safe options should also be utilized for cities like Karachi.

Qazi Ali Athar, an environmental law attorney, said that country should not opt for coal-based power production in order to protect environment.

He said that coal-based power production in Thar would have serious consequences for environment of the entire province. ■

3rd Int'l Wind Energy Summit 2018 on October 11

Pakistan on the verge of producing 2500 MW wind energy

The Energy Update has recently organized a perfect roundtable session to discuss in detail issues, prospects, advantages, and disadvantages of the wind energy sector of the country. The session featured all the relevant stakeholders whose participation and facilitation is necessary to optimally exploit renewable energy resources of the country.

The Energy Update organized the session as a brainstorming session for its upcoming event i.e. Third International Wind Energy Summit that will be held in Karachi on 04 October, 2018.

The consultative session was organized at a time when production from 20 operational wind power projects in Sindh has gone up to 1037 Megawatts while by November, 2018 another 200 MWs of clean energy would be added to the national grid through completion of four more wind energy plants. Some 35 wind projects are in different stages of development in the province that could generate up to 2500 MWs of more clean electricity.

There at the same session, the Sindh Government held out the firm assurance that it could do its best to resolve in shortest possible time key issues of investors doing wind energy projects in the province to prove that Pakistan is fully capable of utilizing its massive potential to generate clean electricity through



EU Report

renewable energy means.

The assurance to this effect came from the Additional Chief Secretary of Sindh Government Dr. Tanveer A Qureshi who is currently heading the provincial Energy Department as he spoke at the roundtable session being its chief guest.

One of the key problems being faced by the prospective investors keen to launch new wind energy projects in Sindh is the pending issue of leasing of the land in the Gharo-Jhimpir wind corridor of the province as the provincial government has the fullest resolve to solve the lease issue as early as possible in the best interest of the concerned investors.

In this regard, Board of Revenue of Sindh Government would soon convene

a top-level meeting to resolve the land lease issue of prospective investors of wind energy projects as the session would consider this issue as per directives of the apex judiciary.

Sindh additional chief secretary for Energy while speaking on the occasion acknowledged that previously the government could not give equal emphasis on all the facets of energy sector including transmission and grid connectivity problems as issues of the energy sector investors including those willing to do alternative power projects lingered on.

He said it was high time that work on all these aspects of the power sector should be done in tandem with each other



A group photo of the participants along with Secretary Energy Govt. of Sindh Dr. Tanveer Qureshi & Director AE Mehfooz Kazi

in order to resolve all problems being faced by new and incoming energy projects.

He said the government had a natural sort of monopoly in the power sector but by no means should this monopoly be discriminatory against the interests of new power projects.

He said that a lot of issues concerning the investors doing power projects had emerged in the aftermath of the 18th Constitutional Amendment when provinces took over several aspects of the energy sector after getting separated from the centre.

“But we should all keep in mind that energy is not at all a provincial issue as it is a national issue having a lot to do with the economy and the GDP so it has to be resolved through a national approach,” he said.

He said that provincial government would effectively plead before the federal entities the case of the concerned investors doing alternative projects in Sindh so to facilitate them and to resolve their procedural and regulatory issues.

“From now onwards the Energy Department of Sindh government will adopt a proactive approach to resolve issues of renewable energy projects in the province as this include recommending to the chief minister the most relevant agenda points on behalf of the power sector to be discussed at the meetings of Council of Common Interests,” said the additional chief secretary.

He said that best of efforts would be made so to provide the most conducive environment enabling the prospective investors to utilize ideal conditions in Sindh to produce electricity through renewable energy means.

Engineer Mehfooz A Qazi, director Alternative Energy at Sindh Energy Department, also spoke on the occasion and informed the participants of the discussion about steps being taken to promote wind energy production in the province.

Representatives of different wind energy projects in the province including those in the planning and construction phase informed the senior provincial govt officials about different regulatory and bureaucratic hurdles they had been facing mainly from the federal entities owing to which they could not do their work in the desirable manner. Owing to such persisting issues deadlines to make the wind energy projects commercially operational and viable in the province could not be met causing undue losses to the concerned investors. ■

Karachi needs 100 million trees planted by stakeholders



A meeting held under the chairmanship of Karachi Commissioner Karachi Muhammad Suleh Faruqi reviewed the ongoing tree plantation campaign in the city started on his initiative, the

Commissioner said that there is dire need to grow trees to face global warming challenges in Karachi and to make Karachi a green city. Karachi needs a comprehensive tree plantation on the lines of international urban forestry to save the city from environmental pollution and global warming.

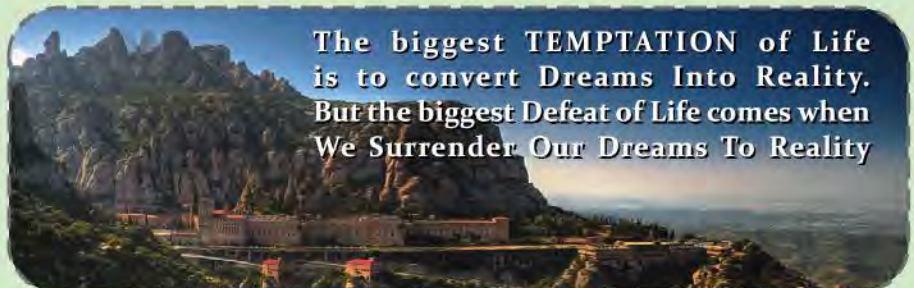
“We can make the city better and greener for which all stakeholders, citizens and organizations from government and non government sector needed to participate in the campaign”, he said adding that the meeting decided that besides planting trees in parks, on the banks of river beds, along the roads and on green belts/central islands, urban forest parks would also be planned to develop and managed with the support of relevant stakeholders where sufficient spaces are available, DCs will work on it to find the spaces where large number of trees could be grown. Deputy Commissioners have been asked to discuss with the civil society, relevant organisations and make plans to initiate the urban forestry in the city.

It was also decided that district wise committees would be formed which would run the affairs of the campaign and its management and supervision.

Naeem Qureshi President National Forum for Environment briefed about on going tree plantation in city & said during current season 25000 trees will be planted at various places with post care plantation plan

Representative of The Citizen Foundation, Tariq Suri told the meeting that he had planned to grow 50 million plants in next five years. Korangi Association of Trade and Industries (KATI) and SITE Association of Trade and Industries is also planning to grow one million plants each in their respective areas. KATI also told the meeting that with the coordination and cooperation of the Deputy Commissioner Korangi and District Municipal Corporation, Korangi they are making arrangements to grow trees with sewerage waters or used waters instead of fresh water. ■

The biggest TEMPTATION of Life is to convert Dreams Into Reality. But the biggest Defeat of Life comes when We Surrender Our Dreams To Reality



ICAP, ICMA hold awards ceremony for corporate world

The Institute of Chartered Accountants of Pakistan (ICAP) and Institute of Cost and Management Accountants of Pakistan (ICMAP) organized the much anticipated event of the corporate world, Best Corporate and Sustainability Report 2017 (BCSR) Awards here at a More than 40 awards were presented to the best performing companies for good reporting. Audit Oversight Board chairman Tariq Hassan, Pakistan Stock Exchange Limited CEO Richard Morin and Karachi School of Business Leadership dean Dr Zeeshan Ahmed were the guests of honour. ICMA Pakistan president Zia-ul-Mustafa in his address said excellence in reporting encourages better governance. It increases levels of trust and confidence in the governance arrangements between companies, their shareholders and other stakeholders. ICAP President Riaz A Rehman Chamdia in his address offered heartiest felicitations to all the companies who participated in this competition and in particular to those who were adjudged the best. The Evaluation Committee chairman Abdul Rahim Suriya in his briefing said the criteria for the year 2018 has been revamped and it is based on International Integrated Reporting Framework (IRF) which aims to improve the quality of information available to providers of financial capital to enable a more efficient and productive allocation of capital. He observed that in Pakistan there are number of NPOs/NGOs receiving substantial amount as Zakat and donation but they usually lack in transparency, one of the reason being that their annual reports are neither published nor placed on their websites. The committee recommends SECP to direct all Public Interest Companies and NPOs to follow the 2018 BCR criteria in their Annual Reports. It also recommends PSX to consider it for giving some weightage in their criteria for selecting best performing companies at PSX. Pakistan Stock Exchange CEO Richard Morin said PSX in collaboration with the regulator is taking measures to improve investor confidence through better regulations and new rules of material information enabling corporate transparency.

"There is ample evidence that companies that are more transparent and keep a simpler structure are rewarded with higher valuation, which is good for all shareholders, especially the sponsors," he stressed. The best corporate report award for 2017 was won by Cherat Packaging Limited while best Sustainability report award was won by ICI Pakistan.

Mughal Iron & Steel, Attock Petroleum, Cherat Cement, MCB Bank, Jubilee Insurance, Kohinoor Textile Mills and Fauji Fertilizer won best corporate awards in their respective sectors. Other award winning companies were Abbot Laboratories Pakistan Limited, Al-Ghazi Tractors Limited, Allied Bank Limited, Atlas Battery Limited, Atlas Honda Limited, Attock Refinery Limited, Bank Alfalah Limited, Cherat Packaging, Crescent Steel & Allied Products Limited, Cyan Limited, EFU General Insurance Company Limited, EFU Life Assurance Limited, Engro Polymers and Chemicals Limited, First Habib Modaraba, Gadoon Textile Mills Limited, Gul Ahmed Textile Mills Limited, Hub Power Company Limited, HSE, Lotte Chemicals Pakistan Limited, Lucky Cement Limited, Maple Leaf Cement Limited, Mari Petroleum Company Limited, Meezan Bank Limited, Mughal Iron & Steel Industries Limited, Oil & Gas Development Company Limited, Pak Electron Limited, Pakistan Steel Oil Limited, Pakistan Tobacco Company, Sadaqat Limited, Shakarganj Limited, Synthetic Product Enterprises Limited, Thatta Cement Limited, The Citizen Foundation, TPL Insurance Limited and Tri Pack Films Limited. ■



PPL supports NUST and Habib University

Pakistan Petroleum Limited (PPL) partnered with two leading universities, National University of Sciences and Technology (NUST), Islamabad and Habib University (HU), Karachi to provide quality tertiary education to deserving and aspiring youth. MD & CEO PPL Syed Wamiq Bokhari presented donation cheques of Rs. 16.8 million jointly to Pro Rector Academics NUST Air Vice Marshall Dr. Asif Raza and General Manager, University Advancement Office, NUST Maria Qadri on June 11 and Rs. 5 million to CEO HU Foundation (HUF) Parvez Ghias and CFO HUF Feroze Cawasji at PPL head office in the presence of their representatives and company officials. The MoU between PPL and NUST was also signed on the occasion.

The company's grant of Rs16.8 million to NUST will cover the expenses for training approximately 320 students, 160 each from Balochistan and Federally Administered Tribal Areas, through a residential programme to prepare for NUST admission test under the mutual NUST-PPL Outreach Programme. PPL's donation of Rs. 5 million to HU as endowed scholarship will support 5 deserving students under its Talent Outreach Promotion and Support Programme for one year whereby eligible students go through preparatory training for entrance test at HU and selected, deserving students' tuition fees and other academic expenses are covered. Speaking on the occasion, Bokhari highlighted, "We at PPL remain committed to creating opportunities for underserved communities to acquire quality education and livelihood generation, especially for youth at the professional level to enable them to raise the profile of their families." ■



Thar Foundation establishes another free hospital

After benefiting thousands of patients from Thar Block II villages through the Marvi Clinic, the Thar Foundation has set up a similar establishment in Thar where lady doctor will be available to provide treatment and medicine free of cost to Gorano and surrounding areas.

The Gorano Mother & Child Health Center, inaugurated in a ceremony held here, will benefit about 20,000 population and mothers, newborns, and children will not have to spend thousands on transportation alone while going to Islamkot or Mithi for treatment of even minor illnesses. The



establishment of health center is another basic facility provided by the Thar Foundation in the area after construction

of quality primary schools and non-stop supply of safe drinking water to the area residents. ■

Musarrat Misbah receives the Excellence in Humanity Award

The owner of Depilex Group and Depilex Smileagain Foundation, Masarrat Misbah, a beauty veteran and a renowned philanthropist of Pakistan has recently received the Excellence in Humanity Award at the 6th HUM Awards held in Toronto, Canada. The pioneer of the beauty industry and the force being introducing Halal Makeup in Pakistan - after beautifying already gorgeous women, Masarrat Misbah took the pledge to bring smiles on those faces that are impaired by heinous acid attacks.



Acid violence is a vicious crime that leaves victims deeply scarred for life and haunts them every moment of their being with disfigurement and social isolation that is impossible to endure. In Pakistan, women are the key target of marring acid attacks. Considering this prevalent issue that challenges life's very existence, Masarrat Misbah established Depilex Smileagain Foundation in 2003 for acid victims and devoted herself towards bringing awareness to this cause.

While receiving the award, Masarrat Misbah stated, "Though the award is encouraging but in reality this award is for those beautiful, resilient and brave acid survivors who got back their lives after almost losing it and learned to smile again. I am grateful to everyone who supports them and with your love we will make their lives more beautiful, bring more happiness into it and will enthuse them to smile again."

Masarrat Misbah has been serving these fighters and bestowing them with hope and self-confidence for almost 2 decades and Pakistan is proud to have her. The humane received a standing ovation while accepting her award for her evangelistic efforts against this horrendous crime. ■

Beautiful words

A Great thinker was asked,
"What is the meaning of Life?"
He Replied,
"LIFE itself has no meaning,
it's an opportunity to create
a Meaning..!
"Be honest when in trouble
and
Be simple when in wealth.
Be polite when in authority
and
be silent when in anger"
"This is called
he life management.

The lesson is:

Think seriously about changing
our bad habits. Expecting
acknowledgment,
that u read the message
and forward to your contacts.

Very true

"Money is yours but resources
belong to the society."



Pakistan's 71st Independence Day celebrated at PSO

Pakistan's 71st Independence Day was celebrated at Pakistan State Oil's head office in Karachi where the company's Managing Director & CEO Mr. Sheikh Imranul Haque hoisted the national flag. The flag hoisting was followed by the National Anthem and planting of a tree at the PSO House premises by Mr. Haque. Also present on the occasion were the company's top management and staff, expressing solidarity and love for their homeland.



Pakistan Olympic Association, National Forum for Environment & Health (NFEH) and Soft Ball Federation of Pakistan jointly organized "Sarsabz Pakistan" Tree Plantation campaign. POA President Gen. Arif Hassan and players of National Soft Ball Academy are seen planting trees.

نئے پاکستان میں پودوں کے تحفظ کا قانون بننا چاہیے۔
<https://www.facebook.com/umeedebahr/>



As Pakistan celebrates its 71 years of independence, B&A Breakfast meeting of CSR Club held at Karachi Gymkhana to discuss CSR activities of corporate sector, upcoming 12th CSR Summit & Award 2019, Tree Plantation Campaign and visit of different organizations to aware CSR practices. Mr Anis Younus President CSR Club Pakistan Ruqiya Naeem Secretary, Engr. Nadeem Ashraf, Azfar Hussain, Ali Asghar, Shazia Alam were attended this productive meeting.



BankIslami celebrates Independence Day by Tree Plantation

As Pakistan celebrates its 71 years of independence, BankIslami Pakistan Ltd, one of the leaders of Islamic Banking in Pakistan, has given a meaningful spin to the Independence Day celebrations through its 'Plantation for the Nation' campaign where Bank's staff came out of offices and planted trees on a greenbelt situated at University Road, Karachi. BankIslami also endowed 270 saplings to the management of District Municipal Corporation (DMC) East, Karachi with the aim to make Pakistan greener. Moeed Anwar- Chairman DMC East Karachi, Deputy Commissioner East Karachi, Hasan Bilgrami - CEO and Syed Amir Ali - Deputy CEO BankIslami, were also there to set the motion of the event. "Pakistan is among the countries that are likely to bear the worst consequences of climate change in years to come." said Syed Amir Ali, Deputy Chief Executive Officer, BankIslami. "Karachi is even more susceptible to the adverse effects of the phenomenon due to deforestation and rapid infrastructure development. Thus, it's high time that we tackle this issue and make Pakistan sustainable for ourselves and our future generations.

NBP President for strong industry-academia linkages



"Strong linkage between the financial services sector and academia is an important tool for boosting intellectual capital in the financial services industry and in finding better solutions for the current economic challenges of Pakistan". These

thoughts were expressed by President National Bank of Pakistan (NBP) Mr. Saeed Ahmad during his visit to University of Karachi (UoK). Professor Dr. M. Ajmal Khan S.I., Vice Chancellor of UoK welcomed Saeed Ahmad and his team at the

university and expressed his gratitude to NBP for considering the UoK for its Corporate Social Responsibility (CSR) spending. NBP will plant over 1,000 trees at various sites of UoK to beautify the campus and improve environment. Saeed Ahmad said that NBP, under its CSR program "Green Initiative", has also started tree plantation drive at various parts of the city and will carry this initiative to other cities as well. Tree plantation in a large scale is essential to avert pollution and to counter negative impact of climate change, he added.

He also mentioned his other engagements with IBA, Karachi, LUMS, Institute of Management Sciences (IMS Peshawar), Karachi Business School and other institutions as Deputy Governor, SBP for the introduction of syllabus of Islamic Finance and research relating to issues faced by Islamic banking. ■

SAARC CCI calls for coordinated efforts to deal with Climate Change

The leaders were of the opinion that Climate Change has emerged as one of the greatest developmental challenges for the 21st century and called for coordinated efforts. Ruwan Edirisinghe, President, SAARC CCI, led a business delegation comprising of board members and leading businessmen from SAARC member states, to Dhaka to Chair the Executive Committee meeting and to participate in allied activities. i.e. meeting with senior government officials, one day seminar entitled "A Climate Resilient South Asia: Turning Climate-Smart Investment Opportunities into Reality" and B2B meetings. SAARC Chamber of Commerce and Industry (SAARC CCI) successfully concluded its 75th Executive Committee Meeting hosted by Federation of Bangladesh Chambers of Commerce & Industry (FBCCI) at Pan Pacific Hotel, Dhaka, Bangladesh.



The SAARC CCI Executive meeting succeeded in finalizing eight mega events for year 2019-20, in consultation with board members from SAARC member states. The events will be organized in SAARC member states in partnership with international institution and National Member Bodies of SAARC CCI. The meeting also succeeded in forming steering committees to make these events successful venture in SAARC and beyond.

Anisul Islam Mahmud, Minister of Environment, Forest and Climate Change, Government of People's Republic of Bangladesh was the Chief Guest of the seminar and delivered keynote address. Ruwan Edirisinghe, President, SAARC CCI, in his inaugural address urged on member states to act beyond the rhetoric and join hands for a coordinated action. The inaugural session was also addressed by Mr. Iftikhar Ali Malik, Snr. Vice President, Mr. Chandu Raj Dhaka, Vice President (Nepal), Mr. Mehboobul Alam, Vice President (Bangladesh), Ms. Hina Saeed, Secretary General, of SAARC CCI, and Mr. Md. Shafiul Islam (Mohiuddin), President, FBCCI. ■

Some Humour A Day Keeps the Boredom Away:



I asked my new friend what sort of books she's interested in. She said - Cheque books.

The easiest way to make your old car run better, is to check the prices of new car.

Q: What's the difference between a good lawyer and a great lawyer?
A: A good lawyer knows the law. A great lawyer knows the judge.

Definition of Nurse: A beautiful woman who holds your hand for one full minute and then expects your pulse to be normal.

Boss:- We are very keen on cleanliness. Did you wipe your feet on the mat as you came in?
New employee: Yes, sir.
Boss: We are also keen on truthfulness. There is no mat.

Q: Why dogs don't marry?
A: Because they are already leading a dog's life!

Q: What's the similarity between mother & wife?
A: One woman brings you into the world crying & the other ensures you continue to do so.

Massive tree plantation done in Karachi, Rawalpindi under Greener Pakistan campaign by NFEH



Tree Plantation activity at Jinnah Hospital Karachi, Executive Director JPMC, Seemi Jamali; Dr. Iqbal Afridi, Prof. Hamid Shafqat, Naeem Qureshi & gardeners of JPMC seen in the picture.

A Greener Pakistan initiative launched to celebrate the 71st Independence Day of the country in a befitting manner led to planting thousands of plants and tree saplings both in Karachi and Rawalpindi.

The President of National Forum of Environment and Health (NFEH) Naeem Qureshi informed this to the audience of a programme held the other day at Jinnah Postgraduate Medical Centre (JPMC) to celebrate the Independence Day of Paki-

mises so that the patients admitted to the hospital, attendants, and its other visitors could be provided best of the environment.

Mr. Qureshi said that the Saylani Welfare Trust had been providing all out support to further the Greener Pakistan Campaign. Under this campaign, 500 trees have been planted in different schools of District Central of Karachi; 1,000 trees in Police Headquarters Garden; another 1,000 trees

tion drive at the "Markaz-e-Umeed" the centre for rehabilitation and education of special children. The NFEH also took part in various plantation initiatives launched by Chairman of District Municipal Corporation Central Rehan Hashmi and other concerned NGOs.

The NFEH also took part in the plantation drive launched by Rawalpindi Waste Management Company as under this campaign 500 trees were planted at the landfill site of the Rawalpindi city.

NFEH president said that Greener Pakistan campaign would continue in Karachi till mid of the month of September. He said that people would be provided free of charge plant saplings in order to encourage them to participate in the tree plantation drive. The ongoing campaign



NFEH Independence day celebrations with Special Children at Markaz-e-Umeed

stan. The ceremony featured colourful presentations, skits, and plantation activity on a large scale at the hospital premises.

Mr. Qureshi said that only JPMC so far had witnessed planting 6500 trees and plants under the current drive as head of the Psychiatric Department of the hospital Dr Iqbal Afridi had lent full support to this campaign.

He said that best of care was being provided to these newly planted plant saplings and trees. Another 1,000 trees will soon be planted in the hospital pre-

in Bin Qasim Industrial Area in collaboration with trade and industry association of the area; 200 trees in a school of Safoora Goth; while 300 trees have been planted in other parts of the city in collaboration with different NGOs.

The team of NFEH also participated in the plantation drive launched by the Cantonment Board Karachi at the Christian Cemetery and in its surrounding areas as 4,000 trees were planted there in this campaign.

The NFEH also carried out the planta-



Tree Plantation at Markaz-e-Umeed with Lubna Panjwani, Nasir R. Zaidi & others



Tree Plantation at School of Nazimabad, Naeem Qureshi & Chairman DMC Rehan Hashmi planting trees.



Tree Plantation at Bakhtawar Park at Clifton by NFEH

will witness planting 1,000 trees in 20 schools being managed by the Education Department of the DMC Central.

Mr. Qureshi said that the NFEH and its partner organizations would fully take care of the trees and plant saplings being planted under the Greener Pakistan campaign till their full growth.

The ceremony held at the JPMC was attended among others by Executive Director of the hospital Dr Seemi Jamali, Dr Iqbal Afridi, Dr Hamid Shafqat, large number of doctors, officials, and para-medical staff of the hospitals. Later, the participants witnessed the tree plantation carried out in different wards and departments of the hospital. ■



Walk for awareness of tree plantation organized by DMC Central & NFEH. President NFEH M. Naeem Qureshi, Director Education Irfan Shaikh, large number of teachers and children were attended the walk.



DMC Central & NFEH organized tree plantation at FB Area. Director Education Irfan Shaikh & President NFEH planting



A group photo was taken on the occasion of Launching ceremony of vertical garden at express way. Jamil Yousuf, Ex. Minister Environment, Govt. of Sindh, Commissioner KMC Saifur Rahman, Amin Hashwani, M. Naeem Qureshi, Atiqur Rahman and others are seen in the picture

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GCV (ADB)	6,100 to 6,300 Kcal/kg
HGI	45 to 55
Size	00 to 50 mm

SOUTHAFRICAN COAL

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ASH (ADB)	15-17 %
Volatile Matter (ADB)	22 to 28 %
Sulphur (ADB)	1 % Maximum
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55 companies conferred 15th Annual Environment Excellence Awards-2018



Group Photo of 15th AEEA Award Winners with Caretaker Minister for Environment Jamil Yusuf.

As many as 55 companies and organizations were given the 15th Annual Environment Excellence Awards-2018 at a splendid ceremony held at a hotel the other day.

Caretaker Sindh Minister for Environment and Climate Change Jameel Yusuf who was the chief guest on the occasion handed the awards to top-level managers and administrators of the award winning companies. The National Forum

for Environment and Health (NFEH) in collaboration with its partner and allied organizations organized the ceremony.

The award winners were selected by a jury comprising notable experts of the fields of environment who adjudged the participating companies on basis of their performance in the field of environmental protection and related disciplines during one last year.

Speaking on the occasion, Provincial Environment and Climate Change minister

lauded the untiring efforts of NFEH in organizing the award ceremony every year without any break.

He said that owing to such institutionalized efforts to eulogize excellence in the field of environmental protection, more companies were being encouraged to play their due part towards the same vital socio-economic cause.

Yusuf said that though present caretaker government had come into power for a very limited time period and



Pictures of speakers at Annual Conference on Environment. From L to R, Dr. Kaiser Waheed, Afia Salam, Saquib Ejaz Hussain, M. Naeem Qureshi, Dr. Rizwan Ali Sherdil, Shahjahan Mirza, Jamil Yousuf, Engr. Nadeem Ashraf, Fizza Shakil, Mehfooz Kazi, Naeem Mughal and others speaking at the event.



with a limited scope and mandate but even then it had been rendering best of support to the relevant agencies to further the cause of environmental protection.

He urged the officials of provincial Environment Department and watchdog to adopt a friendly approach towards the industrialists, the NGOs, and chambers of commerce to resolve the longstanding

environmental problems concerning the businesses and industries in a friendly manner.

Sindh Additional Chief Secretary for Environment and Climate Change Mukhtar Hussain Soomro also spoke on the occasion and shed light on the efforts of Sindh government to duly implement the Sindh Environmental Protection Act-2014.

Nadeem Arif Jury member & CEO of Environmental Management Consultants briefed about judgement criteria for environment excellence award, President NFEH Naem Qureshi appreciated award winning organisations on their commitment with society & country as well.

Among the award winning companies, ten were adjudged as top award winners while five organizations were given awards on best performance in tree plantation drives at their respective office and industrial premises. ■



15th Annual Environment Excellence Awards-2018 Winners

Following companies honored with environment excellence award

- Al-Karam Textile Mills (Pvt.) Limited
- Ambela Business & Technology Center (Pvt.) Limited
- Archroma Pakistan Limited
- Arif Habib Commodities Pvt. Limited
- Attock Refinery Limited
- Bestway Cement Limited (Chakwal)
- Bestway Cement Limited (Farooqia)
- Bestway Cement Limited (Hattar)
- Bestway Cement Limited (Kallar Kahar)
- Century Paper & Board Mills Limited
- Coronet Food (Pvt) Limited
- D.G.Khan Cement Company Limited
- Dr. Essa Laboratory & Diagnostic Center
- EFU General Insurance Limited
- Engro Fertilizers Limited
- Engro Polymer & Chemicals Limited
- Engro Powergen Qadirpur Limited (Ghotki)
- Fauji Cement Company Limited
- Fauji Fertilizer Bin Qasim Limited
- FFO Support Program
- Glaxosmithkline Otc Pvt Limited
- Greene
- Indus Motor Company Limited
- Kot Addu Power Company Limited (Kapco)
- K-Electric Limited
- Ksb Pumps Company Limited
- Lotte Chemical Pakistan Limited
- Lucky Cement Limited
- Lucky Textile Mills Limited
- Mal Pakistan Limited
- Maple Leaf Cement Factory Limited
- Martin Dow Limited
- Martin Dow Marker Limited
- Mustaqim Dyeing & Printing Industries (Pvt) Limited
- National Refinery Limited
- National Security Printing Company (Pvt) Limited
- Novamed Healthcare Pvt Limited
- Oil & Gas Development Company Limited
- Packages Limited
- Pak-Arab Refinery Limited
- Pakistan Accumulators (Pvt) Limited
- Pfizer Pakistan Limited
- Pharmedo (Pvt) Limited
- Port Qasim Electric Power Company (Pvt) Limited
- Qarshi Industries (Pvt.) Limited
- Raffan Maize Products Co. Limited
- Rajby Industries
- Roots School System
- Sadaqat Limited
- Security Papers Limited
- Sindh Engro Coal Mining Company
- Soorly Enterprises (Pvt) Limited
- Sui Southern Gas Company Limited
- Syngenta Pakistan Limited
- The Aga Khan University Hospital
- Total Parco Pakistan Limited
- Uch Power (Pvt.) Limited.

Plantation Awards

- Naya Nazimabad
- Nazafat Department of Dawoodi Bohra Community
- Pakistan Tobacco Company
- Sindh Engro Coal Mining Company

Media Awards

- Uneeba Waqar, GEO TV
- Aslam Shah, Daily Times

15th Annual Environment Excellence Awards 2018 Winners



AL- KARAM TEXTILE MILLS (PVT.) LTD.



ARCHROMA PAKISTAN LIMITED



ARIF HABIB COMMODITIES PVT LTD.



BESTWAY CEMENT LIMITED



CENTURY PAPER & BOARD MILLS LTD.



CORONET FOOD (PVT) LIMITED



D.G.KHAN CEMENT COMPANY LTD.



DR. ESSA LABORATORY & DIAGNOSTIC



EFU GENERAL INSURANCE LIMITED



ENGLISH BISCUITS MANUFACTURERS (PVT.) LIMITED



ENGRO FERTILIZERS LIMITED



ENGRO POLYMER & CHEMICALS LTD.



ENGRO POWERGEN QADIRPUR LTD.



FAUJI CEMENT COMPANY LIMITED



FAUJI FERTILIZER BIN QASIM LIMITED

15th Annual Environment Excellence Awards 2018 Winners



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GREENE



INDUS MOTOR COMPANY LIMITED



JAVEDAN CORPORATION



K-ELECTRIC LIMITED



KOT ADDU POWER COMPANY LIMITED



KSB PUMPS COMPANY LIMITED



LOTTE CHEMICAL PAKISTAN LIMITED



LUCKY TEXTILE MILLS LIMITED



LUCKY CEMENT LIMITED



MARTIN DOW MARKER LIMITED



MAPLE LEAF CEMENT FACTORY LTD.



MARTIN DOW LIMITED



NATIONAL REFINERY LIMITED

15th Annual Environment Excellence Awards 2018 Winners



NAZAFAT Dept. of Dawoodi Bohra Community



NOVAMED HEALTHCARE PVT LTD.



OIL & GAS DEVELOPMENT COMPANY LTD.



PAK-ARAB REFINERY LIMITED



PAKISTAN ACCUMULATORS (PVT) LTD.



PFIZER PAKISTAN LIMITED



PORT QASIM ELECTRIC POWER COMPANY (PVT) LIMITED



QARSHI INDUSTRIES (PVT.) LIMITED



RAFHAN MAIZE PRODUCTS CO. LTD.



RAJBY INDUSTRIES



RAWALPINDI WASTE MANAGEMENT COMPANY



SECURITY PAPERS LIMITED



SIDDIQSONS LTD



SINDH ENGRO COAL MINING COMPANY



SINDH ENGRO COAL MINING COMPANY

15th Annual Environment Excellence Awards 2018 Winners



SOORTY ENTERPRISES (PVT) LIMITED



SUI SOUTHERN GAS COMPANY LTD.



SYNGENTA PAKISTAN LIMITED



THE AGA KHAN UNIVERSITY HOSPITAL



TOTAL PARCO PAKISTAN LIMITED



UCH POWER (PVT.) LIMITED



Aslam Shah, Daily Times



Uneeba Waqar, Geo TV

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SPECIAL REPORT
**15th Annual Environment
 Excellence Awards 2018**
 Award Winners



Al Karam Textile Mills Pvt Ltd

The Al Karam group was founded in March 1986 with a vision to be a provider of innovative textile solutions worldwide. We are a manufacturer and supplier of distinguished fabric for apparel, home and industrial markets with clients all over the world. Our ability to create forward-thinking solutions that give our clients a competitive advantage is what sets us apart. Our core services include:

Fiber manufacturing, Spinning, Weaving, Knitting, Dyeing and printing of woven and knitted fabrics Designing, Cutting and Stitching.

With a constructed area of over one million square feet, Al Karam has the capacity to fulfill small, medium and large scale orders. We are one of the few vertically integrated operations in Pakistan. Offering a diversified range of products, our customers can mix and match from a wide variety of print, yarn dyed, solids, dobby and jacquard. We also deal in twill, sateen, basket weave and percale, knitted to woven fabric; and thread counts ranging from 130 to 1000.

At Al Karam we also provide our customers with complete in-house design solutions. Our creative center is equipped with



state of the art designing and sampling equipment and skilled textile artists.

In an industry where deadlines are a way of life, Al Karam is proud to have a proven track record of service quality and on-time delivery. For your convenience we maintain a comprehensive order tracking system, so you can stay on top of your order at all times.

Some of Al Karam's strengths include:

It is one of the largest producers of fashion and basic bedding

Compliant with international quality, social and environmental standards

Largest yarn dyed manufacturer in Pakistan

Largest high thread count jacquard installation in Pakistan

Latest technology at every stage of manufacturing

Wider Width Weaving

Leading exporter of bed linen to the USA for the last 2 years

Capable of providing LDP and EDI services. ■



Ambela Business & Technology Center

ABTC was founded in year 2001 with the aim to support the industry and local community with solutions and services based on advanced technology from reputed vendors. We provide Automation, Control and Energy solutions to industrial, public and private sectors in Pakistan, Saudi Arabia and other parts of world. We have adopted a policy to maintain high standards of solutions and services. We understand and consider the world's environmental and energy conservation initiatives while working out our solutions.

ABTC is specialized in providing its solutions based on standard products from reputed vendors to industrial, commercial and utility sectors in the following engineering fields:

- Machines and Plants Automation and control systems.
- SCADA, RTUs, MIMIC and annunciation systems.
- Power systems monitoring, control and load management systems.

ABTC

- Power distribution, MV, LV Switchgears, Control panels and Motor Control Centers.

- Power factor monitoring and correction systems.

- Building and Home Automation and Control systems.

- LED based Lighting systems with significant economical benefits.

- Interface engineering for various systems and their integration.

- Supply of PLCs HMI, Instrumentation, and Variable AC/DC drives, Motors, LV/MV

Products and solutions.

Control systems maintenance and spares management solutions.

ABTCs aim is to deliver quality solutions, products and services in time and to meet and exceed the expectations of our valuable clients. ■

Archroma Pakistan

Archroma Pakistan Limited is a market leader in the field of specialty dyes and chemicals, and is engaged in the manufacturing, sales and indent business for the textile, paper, adhesives, coatings and construction industries.

Created from the textile, paper and emulsions businesses of Clariant, Archroma is a global color and specialty chemicals company committed to innovation, world-class quality standards, high service levels, cost-efficiency and sustainability.

Archroma's headquarters in Pakistan is located in Karachi.

Archroma operates three other sites in Pakistan: production in Jamshoro, Scientific centre in Korangi, and TNB offices in Lahore.

Archroma. Life enhanced.

We continuously challenge the status quo in the deep belief that we can make our industry more sustainable.



Our purpose

We touch and color people's lives every day, everywhere.

Our vision

We are passionate to deliver leading and innovative solutions, enhancing people's lives and respecting our planet.

Our mission

We are growing business by leveraging local entrepreneurship and our global organization in a collaborative way. We enable our customers to win in their market, we push limits to outperform and we never give up!

Our proposition

We deliver specialized performance and color solutions to meet customers' needs in their local markets and achieve a fair value for our shareholders and stakeholders in return. ■

Arif Habib Commodities (Pvt.) Ltd.

ARIF HABIB COMMODITIES, an Arif Habib Group Company, is an investment arm of ARIF HABIB LTD.

ARIF HABIB COMMODITIES, is PMEX market maker that has Pakistan's largest client base served by Pakistan's largest trading team at Pakistan Mercantile Exchange. We offer the most relevant Research and Client Services making us one of the finest and Top Brokers of Pakistan Mercantile Exchange for GOLD, SILVER, BRENT/WTI CRUDE OIL, FOREX (GBP, JPY, EUR, CAD, AUD, SFR), COTTON, PLATINUM, COPPER, N-GAS, RICE, WHEAT and CHILLI in Futures/Spot Trading.

The Arif Habib Group ranks amongst the largest and oldest conglomerate in Pakistan. Managing assets in excess of PKR. 240 billion, the Group holds interests in the securities & commodities brokerage, investment and financial advisory,



investment management, REIT management, investment banking, construction, private equity, banking, cement and fertilizer industries.

Arif Habib Commodities provide a wide range of services to a substantial and diversified client base that includes corporations, financial institutions, NBFTs, governments and high-net-worth individuals. As an investment arm of Arif Habib Group founded in 1973, the firm is based in Karachi.

Leaders in commodity market research, corporate advisory, corporate & retail investment management, business consulting and commodity brokerage services as Corporate member of Paksitan Mercantile Exchange, Arif Habib Commodities, with a professional team provides premier services for investors with round the clock market leading research and advisory services. ■

By the next 10 years, Earth will become 4 degrees hotter than it's now. Himalayan glaciers are melting at a rapid rate, so all of us lend our land to fight Global Warming. Plant more trees, Don't waste water, Don't use or burn Plastics.



15th Annual Environment Excellence Awards 2018

Award Winners



Attock Refinery Limited (ARL)

Attock Refinery Limited (ARL) was incorporated as a Private Limited Company in November, 1978 to take over the business of the Attock Oil Company Limited (AOC) relating to refining of crude oil and supplying of refined petroleum products. It was subsequently converted into a Public Limited Company in June, 1979 and its shares are quoted on the Pakistan Stock Exchange Limited in Pakistan. The Company is also registered with Central Depository Company of Pakistan Limited (CDC).

Original paid-up capital of the Company was Rs 80 million which was subscribed by the holding company i.e. AOC, Government of Pakistan, investment companies and general public. The present paid-up capital of the Company is Rs 852.93 million.

ARL is the pioneer of crude oil refining in the country with its operations dating back to 1922. Backed by a rich experience of more than 90 years of successful operations, ARL's plants have been gradually upgraded / replaced with state-of-the-art hardware to remain competitive and meet new challenges and requirements.

It all began in February 1922, when two small stills of 2,500 barrel per day (bpd) came on stream at Morgah following the



first discovery of oil at Khaur where drilling started on January 22, 1915 and at very shallow depth of 223 feet 5,000 barrels of oil flowed. After discovery of oil in Dhulian in 1937, the Refinery was expanded in late thirties and early forties. A 5,500 bpd Lummus Two-Stage-Distillation Unit, a Dubbs Thermal Cracker Lubricating Oil Refinery, Wax Purification facility and the Edeleanu Solvent Extraction unit for smoke-point correction of Kerosene were added.

There were subsequent discoveries of oil at Meyal and Toot (1968). Reservoir studies during the period 1970-78 further indicated high potential for crude oil production of around 20,000 bpd. In 1981, the capacity of Refinery was increased by the addition of two distillation units of 20,000 and 5,000 bpd capacity.

Due to their vintage, the old units for lube/ wax production, as well as Edeleanu, were closed down in 1986. Another expansion and up gradation project was completed in 1999 with the installation of a Heavy Crude Unit of 10,000 bpd and a Catalytic Reformer of 5,000 bpd. In 2000, a Captive Power Plant with installed capacity of 7.5 Megawatt was commissioned. ■

Bestway Cement Limited

Bestway Group in line with its diversification strategy, the Group identified the cement sector in Pakistan as an opportunity and subsequently set up the group's first cement plant in Hattar, Pakistan with an annual production capacity of 1.1 million tonnes in 1995.

With an initial investment of US\$120 million, civil works on the group's first cement plant commenced in 1996 and the kiln was fired two years later. BCL Hattar was established in industry record breaking time of 24 months. This was a greenfield project and the plant was set up in an economically deprived area of Hattar, in the KP Province of Pakistan. Bestway's investment led to the creation of over 800 direct jobs and the economic development of the area.

In February 2004 anticipating a period of resurgent demand in the domestic market, it was decided to expand BCL's operations through setting up its second greenfield plant with an annual capacity of 1.8 million tonnes. The plant was set up in Chakwal in the Province of Punjab, Pakistan at a total investment of US\$140 million in another record breaking period of 19 months. Bestway's investment in one of the most underdeveloped areas of Central Punjab led to the creation of



900 jobs for the local community.

In September 2005 the Group acquired its third cement plant, Mustehkam Cement as part of the Government's Privatisation Programme. This plant had remained non-operational since 1999 and recommenced commercial production within a period of three months post-acquisition. In the post acquisition period the Group has invested in excess of US\$50 million. In 2009 plant capacity was

enhanced to 1.1 million tonnes per annum. BCL's investment in Mustehkam led to the creation of 800 new jobs which had a direct positive effect on the local economy.

In June 2008 Bestway set up its third greenfield plant, adjacent to the existing site in Chakwal, at a cost of US\$180 million. This plant had an annual capacity of 1.8 million tonnes and created 500 jobs.

Being an environmentally conscious company BCL established Pakistan's first Waste Heat Recovery Power Plant (WHRPP) under Zameer's guidance at a cost of US\$29 million. The plant became operational in September 2009 and led to the creation of 35 jobs. ■

Century Paper & Board Mills Limited

Century Paper & Board Mills Limited (CPBM) is part of Lakson Group of Companies Pakistan. The Lakson Group of Companies is one of the leading groups of the country with diversified interests in industries such as Paper & Paperboard, Printing & Packaging, Soaps & Detergents, Instant Fruit Drinks, Fast Food restaurants, Textiles, Surgical Goods, Information Technology, Insurance, Travel & Tours, Print & Electronic media, Investments and Software Development.



McDonalds and Kraft Foods.

Vision:

To be the market leader and an enduring force in the paper, board and packaging industry, positively influencing and providing value to our stakeholders, society and our nation.

Mission:

To strive incessantly for excellence and sustain our position as a preferred supplier of quality paper, board and packaging material within a team environment and with a customer focused strategy. ■

Lakson Group of Companies has built up Strategic Business Relationships and Business Alliances with multi-national Corporations which includes Tetley Tea, Colgate-Palmolive,

Coronet Foods (Pvt.) Limited

Coronet Foods Pvt. Ltd. is engaged in the manufacturing and marketing of premium quality biscuit and cookies, and was established in 2007, in Hyderabad, India. The venture was set up by its managing director, Mr. Taqui Khan who has sound knowledge of biscuits and cookie manufacturing having attended extensive courses at CFTRI and American Institute of Baking. In addition, Mr. Khan is also a graduate in business administration having attained his masters from the Institute of Public Enterprises.



VISION STATEMENT

To be a leading player in the Indian baking industry, satisfying customers the world over.

VALUES THAT SUPPORT THE BUSINESS:

Excellence: We strive for excellence with an unwavering commitment to quality.

Integrity: We act with integrity, and do the right thing at all times.

Teamwork: We leverage our strengths and abilities across our organization to win the customers' satisfaction.

CORE PURPOSE OF THE COMPANY:

To build an innovative and sustainable company by creating an environment that champions new products, processes and working practices.

MISSION STATEMENT:

To be innovative, competitive and dedicated to satisfying our customers and consumers. ■

Dr. Essa Laboratory & Diagnostic Centre

Founded in 1987, Dr. Essa Laboratory & Diagnostic Centre is an ISO 9001:2008 QMS Certified Organization, known for its well-respected corporate and social image. Our fourteen branches possess state-of-the-art technology and medical equipment which is used to provide our clients with fast yet accurate results for clinical, pathological and radiological tests.



Our mission is to continually provide the 'Gold Standard' medical & diagnostic services for the community with care, expertise and dedication. We strive each day to work hard, to maintain our standards of excellence and reliability. Research & Development Department (R&D)

DR. ESSA HAS A STRONG R&D DEPARTMENT

It conducts tests on new antibiotics and drugs for pharmaceutical companies and runs clinical trials for interested parties. The Labs are research oriented which assists Doctors, M.Sc's, PhDs, MCPS, FCPS and Students for dissertations and presentation in symposia. The Lab has build up a reputation as a reference centre. ■

VISION & STRATEGY

As a pioneering organization, our vision is to become a benchmark in diagnostics services.

MISSION STATEMENT

15th Annual Environment Excellence Awards 2018

Award Winners



DG Khan Cement Co. Ltd.

D.G. Khan Cement Company Limited (DGKC/the Company) is a public limited company incorporated in Pakistan. It is listed on Pakistan Stock Exchange. It is blue chip stock. The Company is created and governed by its statutory documents Memorandum and Articles of Association registered with country corporate authority. The Company is primarily engaged in production and sale of Clinker, Ordinary Portland Cement and Sulphate Resistant Cement. The Company is progressive and its track record is witness to it. It has created, developed and improved stringent and efficient systems in all areas. Ethics are core to it. The Company is compliant to all applicable laws, regulations and standards.



VISION: 'To transform the Company into a modern and dynamic cement manufacturing company with qualified professionals and fully equipped to play a meaningful role on a sustainable basis in the economy of Pakistan.

MISSION: To provide quality products to customers and explore new markets to promote/expand sales of the Company through good governance and foster a sound and dynamic team, so as to achieve optimum prices of products of the Company for sustainable and equitable growth and prosperity of the Company. ■

EFU General Insurance Limited

Today, with over 85 years of winning the customers' trust EFU stands as Pakistan's largest and the oldest general insurer, always ready to go the extra mile to serve better.

EFU has always provided a full range of insurance service to fulfill all of its customers' needs whether they are commercial or individual clients. It provides Fire, Engineering,, Marine, Aviation, Motor, Miscellaneous services and Takaful Covers.

Ever since EFU's establishment in 1932, it has met the challenges of changing times. It has built a diversified customer base, covered more types of risks than any other, enhanced the expertise and delivered on the promises.

In the year 2017 EFU General Insurance Limited including its Takaful Operations have crossed the Premium/Contribution figure of Rs.20 billion. It is the first general insurance company in the history of Pakistan to achieve this milestone.

One of the important aspects of EFU's operation is that it has created a separate engineering group which works closely with clients to identify various risk exposures and then provide specific insurance coverage. This helps in loss prevention and



reducing the cost of premium.

EFU General is protected by the strongest and top rated reinsurers around the globe which gives it a competitive edge over other Insurers.

EFU General is rated by JCR-VIS and PACRA. Both the rating agencies have assigned rating of AA+ with stable outlook. EFU is ISO 9001:2015 certified company. Regarding the recognition of EFU's services to the industry and the economy of Pakistan, it has

also received various awards including Corporate Excellence Award of Management Association of Pakistan, Best Corporate Report Award of Institute of Chartered Accountant of Pakistan (ICAP) and Institute of Cost and Management Accountants of Pakistan (ICMAP), Achievement Award & Gold Medal of the Federation of Pakistan Chamber of Commerce and Industry (FPCCI), SAFA Best Presented Annual Report (Certificate of Merit) of South Asian Federation of Accountants (An apex body of SAARC), Brands of the year Award of Brands Foundation, Consumers Choice Award of Consumers Association of Pakistan, and Top 25 Companies Award of Karachi Stock Exchange etc., etc. ■

English Biscuits Manufacturers (Pvt.) Limited

In each bite of any delicious Peek Freans biscuit lies the rich tradition of true grit and hard work that has been so essential to EBM's journey. It has taken many achievements, big and small, for EBM to reach its position as the industry leader today. EBM has followed the legendary Pied Piper to quality and success in Pakistan's branded biscuit business. Below is a glimpse at some of our major milestones:

OUR VISION: To be the leading food company, delighting and nourishing our consumers with superior products and services; while leading sales, shares and profits, thus allowing our people, community and stakeholders to succeed.

OUR MISSION: To provide wholesome, nutritious, hygienic



food-between-meals across Pakistan and beyond.

OUR VALUES: The four values that define us as a company form the centre of our practices.

Our biscuits are some of the best-loved and most widely consumed in the nation; Peek Freans Sooper is ranked Pakistan's No. 1 biscuit according to AC Nielsen ranking, and other Peek Freans brands rank highly with consumers, leading within their categories as well. Continually striving to attain excellence, EBM has achieved ISO 9001:2000, ISO 14001:2004, HACCP certification and IIP (Investors in People) recognition. We are also the only food company to have been awarded the Environmental Excellence Awards consistently year after year. ■

Engro Fertilizer Limited

Engro Fertilizers Limited is a subsidiary of Engro Corporation and a renowned name in Pakistan's fertilizer industry. It is traded on the stock market under the symbol 'EFERT'. Engro holds a vast, nationwide production and marketing infrastructure and produces leading fertilizer brands optimized for local cultivation needs and demand. Engro is also a leading importer and seller of Phosphate products, which are marketed extensively across Pakistan as phosphatic fertilizers.



a broad restructuring in Engro Chemical operations and management. To facilitate better oversight, Engro Chemical Pakistan was converted into a holding company named Engro Corporation, and its fertilizer business was subsequently demerged to a newly formed Engro subsidiary - Engro Fertilizers Limited.

Our extensive market development activities have ensured a sustained pull for our primary and secondary fertilizer products and sellout productions since launch. Engro Fertilizers Limited enjoys loyal customer base across Pakistan owing to its trusted fertilizer brands and continual farmer assistance in training and education.

Engro Fertilizers Limited was incorporated in June 2009, following a decision to demerge fertilizer concern from its parent company Engro Chemical Pakistan Limited. The continual expansions and diversifications in its enterprises necessitated

fertilizer industry warranted an independent and dedicated business entity and approach. The demerger of fertilizer concern was approved by High Court of Sind on December 9th, 2009, making it effective as of January 1st 2010.

Engro Fertilizers is poised to become the leading urea manufacturer in the country following major upgrading of its manufacturing capabilities. ENVEN 1.3-a tremendous expansion in Engro's urea manufacturing facility went into production in November 2010 and looks set to end Pakistan's near-term urea imports, leading to benefits of an expanded local urea base and savings in national exchequer. ■

Engro Energy Qadirpur Limited

Incorporated in 2008 as a subsidiary to develop power projects in Pakistan, Engro Energy is Engro Corp's first initiative into the country's power sector. Our aim is to ease the burden on the nation's energy sector by developing projects exploring cleaner, more efficient and economically viable sources of power generation including wind, hydro and solar energy. Engro Energy Limited owns and operates Engro Energy Qadirpur Limited, a 217 megawatt power plant and the group's first initiative in the power sector of Pakistan.



to pave the way for brighter living with investments aimed at boosting the nation's energy sector, preserving the environment, inspiring new innovations and forming lasting changes within the communities that we engage with.

Vision

To ensure affordable energy and reliable operations thereby creating value for all stakeholders

Mission

Plant operations and maintenance in a manner resulting in continuous supply to national grid by harnessing human talent and local resources giving high priority to health, safety and environment in a positive, sustainable and affordable way. ■

Our first Independent Power Project (IPP) and unique concept in energy conservation - the 217 MW power plant in Qadirpur is presently the only green facility of its kind in Pakistan to utilize permeate gas for reduced carbon emissions. The only gas based Independent Power Project in Pakistan to reach completion within the stipulated time frame, the Engro Energy Qadirpur plant has opened new doors of opportunity for investors hailing from Pakistan's private and public sectors.

This project is very unique in a way that it utilizes high sulfur gas which was being flared through Qadirpur Gas Field for almost a decade. This energy conservation idea showed the waste gas a right path to burn. This is a one + 1 + one configuration dual fuel fired combined cycle power plant with a 123 MW Gas Turbine, 400 tons/hour Heat Recovery Steam Generator and 110 MW Steam Turbine.

As we forge ahead, Engro Energy Qadirpur will continue

"We cannot hope to create a sustainable culture with any but sustainable souls."

Derriek Jensen, Endgame



SPECIAL REPORT

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Award Winners



Engro Polymer & Chemicals Limited

Engro Polymer & Chemicals Limited (EPCL) is the only fully integrated Chlor-Vinyl chemical complex in Pakistan. It is a subsidiary of Engro Corporation, involved in the manufacturing, marketing and distribution of quality Chlor-Vinyl allied products and PVC under brand name 'SABZ'.

EPCL strongly endorses its triple bottom line philosophy in true essence - People, Planet and Profit are critical and indispensable elements for its growth and success.

Being the only fully integrated chemical complex of its kind in Pakistan, Engro Polymer & Chemicals Limited (EPCL) is conscious of its duty towards maintaining the highest standards of ethics, safety and environmental responsibility. The Company constantly stands on guard to meet new challenges and opportunities, all the while ensuring sustainable standards and practices.



Vision Statement: Lead Pakistan in Polymers & Allied Chemicals with International Footprint.

Mission: Our mission is to achieve innovative growth which creates value for our stakeholders, customers and employees. Our commitment is to maintain the highest standards of ethics, safety and environmental responsibility.

Sustainability: Engro Polymer & Chemicals Ltd. (EPCL) is wholly committed to enhance its contribution towards the community it operates in by continuing to maintain its social responsibility focus on Environment, Water Conservation, Education, Health and other social uplift programs.

The Company considers it a moral obligation to weigh the magnitude of its social responsibility in comparison to the size of its operations and remains fully committed to ensure that sustainable standards and practices form the focal point of all its operations. ■

Fauji Cement Company Limited

A longtime leader in the cement manufacturing industry, Fauji Cement Company Limited, headquartered in Rawalpindi, operates a cement plant at Jhang Bahtar, Tehsil Fateh Jang, District Attock in the province of Punjab. The company has a strong and longstanding tradition of service, reliability, and quality that reaches back more than 21 years. Sponsored by Fauji Foundation, the company was incorporated in Rawalpindi in 1992.

Fauji Cement is operating two lines of cement plants, one each from FLS Denmark & TKIS (Thyssen Krupp industrial solutions) Germany. The plants are well renowned for their high efficiencies, best quality production and are well maintained with annual total production capacity of 3.43 million tons of cement. Fauji Cement enjoys the reputation of being the best quality cement in the country and is preferred in the construction of mega projects like Dams, Bridges, Highways & Motorways, Commercial & Industrial complexes, Residential Housing Societies, and a myriad of other structures needing consistent setting time/quality and high strength, fundamental to Pakistan's eco-



nomics vitality and quality of life.

In addition to the Pakistan market, Fauji Cement is expanding its promising coverage in the neighboring regions /countries like Sri Lanka, India, Afghanistan, South Africa, Middle East and Africa.

FCCL has commissioned a Waste Heat Recovery Power Plant (12 MW) in 2015. This generates power from the heat emitted into atmosphere from its Cement manufacturing Operations. The project is

not only supporting national power requirement but also is a value addition for sustainable environment.

Fauji Cement management has a clear vision for its social responsibility towards the society in which it operates. With the same concept Fauji Technical Training Institute is established in District Attock in order to equip next generation with technical skills, a key to long term economical development of any nation.

Fauji Cement is ISO certified for its Quality & Environment Management Systems and has won number of awards in its category. ■



Fauji Fertilizer Bin Qasim Limited

Fauji Fertilizer Bin Qasim Limited is a Public Limited Company incorporated under Companies Ordinance 1984. It has a modern Granular Urea and Di-Ammonium Phosphate (DAP) fertilizers manufacturing complex, built at a cost of US\$ 468 Million and located in Eastern Zone of Bin Qasim, Karachi, with Head Office at DHA-II, Islamabad.

DAP Plant brought to suspension in 2001 due to accumulated loss of Rs. 6.5 Billion. It resumed production in Sep 2003, after a lapse of 2 years.

FFBL also have membership of industry association and trade bodies;

- " Rawalpindi Chamber of Commerce
- " International Fertilizer Association

Corporate Strategy

The dynamic corporate strategy of FFBL is to enhance customer satisfaction and earn their respect by continuously providing the highest quality of product by adding value in the long run. We are committed to create value for stakeholders through performance and growth by appropriately utilizing combination of resources and skills with respect to changing market conditions.

Our strategy is based on profitable and sustainable growth,



building on an unrivaled market position and a unique flexible business model. We continue to honour the confidence and trust of our customers, suppliers and the Government. We are committed to contribute heavily in the national economy and seize opportunities for diversification and growth to build upon our strengths and competencies.

Sustainability Policy

Fauji Fertilizer Bin Qasim Limited is committed to support country's agricultural production and economy by continual improvement and attaining excellence in all areas of its functioning.

The Company Management and all employees are dedicated to practice efficient and Environment friendly process for prevention of pollution and strive to exceed local and international standards on Quality, Health, Safety and Environment.

In order to meet our objectives, we further commit ourselves to achieve full customer satisfaction, meet legal and moral obligations through coordinated efforts as One Team.

"Work Safely, Smartly and Happily"■

FFO Support Program

Our Vision: FFOSP envisages to serve economically underprivileged people and promote financial inclusion by providing sustainable solutions

Our Mission: To empower the poor households to become economically self-reliant by providing accessible and standard financial services and non-financial in a sustainable manner.

FFO Support Program (FFOSP) is a Microfinance Company and is widely considered one of the fastest growing institution in the sector. FFOSP was established in May 2003 and started working at grass-root level to upscale the poor and marginalized communities while providing them economic opportunities through its social development and micro credit program. FFOSP is recently transitioned from Societies Registration Act of 1860 to non-banking Microfinance Company under Security Exchange Commission of Pakistan (SECP) Companies Ordinance of 1984 on 19th January 2018 to provide full range of financial and non-financial services.

Over the last fifteen years, the FFOSP is positively contributing in the development of underserved communities through provision of Microfinance services. Our focus primarily



is to pursue and unlock the vast potential in our communities to start the small businesses in different fields while using the value chain financing approach. The ripple effect of this approach is true growth of income generating activities in terms of improved life status, quality product and economic growth.

Social Development is another strong and vibrant area of FFOSP, in which we have extensive footprint across Pakistan which contribute in various thematic areas. In the same context we have piloted and rolled out many innovative models by successfully completing projects independently in the areas of Microfinance, Women Empowerment, Economic Empowerment, Youth Development, Education, Governance, Transparency & Accountability, Capacity Building of Community Organizations, Advocacy, WASH, Social Mobilization (SM), Livelihood Employment & Enterprise Development (LEED), Community Physical Infrastructure (CPI) and Institution Development (ID) activities in collaboration and partnership with PPAF, USAID, UNDP, UNICEF, ORIX, IFAD, FAFEN, SP-PK Global Micro summit Campaign and other bilateral donors. ■



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GlaxoSmithKline Pakistan Limited

We are a science-led global healthcare company with a mission: we want to help people to do more, feel better, live longer.

On 2 March 2015 we completed a 3-part transaction with Novartis which reshapes our business.

We acquired Novartis's vaccines business (excluding influenza vaccines) and combined our Consumer Healthcare businesses to create a new company. By substantially strengthening Vaccines and Consumer Healthcare, we can deliver far-reaching benefits to patients and consumers, and further value to shareholders. In addition, Novartis acquired our marketed Oncology portfolio.

GlaxoSmithKline Pakistan Limited was created January 1st, 2001 through the merger of SmithKline and French of Pakistan Limited, Beecham Pakistan (Private) Limited and Glaxo Wellcome (Pakistan) Limited and stands today as the largest pharmaceutical company in Pakistan.

GSK is a long established investor in Pakistan. Our legacy company Glaxo Laboratories Pakistan Ltd. was the first pharmaceutical company to be listed on the Karachi Stock Exchange in 1951.

GSK Pakistan operates mainly in two industry segments: Pharmaceuticals (prescription drugs and vaccines) and consumer healthcare (over-the-counter-medicines, oral care and nutritional care). In Pakistan, the Company deals in Anti-



infective, Respiratory, Vaccines, Dermatological, Gastrointestinal, Analgesics, Oncology, Urology, Central Nervous System, Allergy, Cardiovascular and Vitamins therapy areas.

We are committed to our mission of providing patients quality products to help improve the quality of their lives. Some of our leading pharmaceutical brands include Augmentin, Seretide, Amoxil, Velosef, Zantac and Calpol and renowned consumer healthcare brands, which include Panadol, Horlicks, Sensodyne and ENO. Prominent vaccines include Synflorix, Infanrix Hexa, Rotarix, Engerix-B, Havrix and Priorix Tetra.

Today GSK Pakistan is highly successful business and a market leader by value and volume share in the country. Major competitors are MNCs such as Abbott, Novartis, Pfizer, Sanofi and local companies like Getz and Sami. GSK Pakistan has built a competent commercial capability with a track record of successfully integrating the BMS, UCB, and Stiefel businesses, and building a diverse and profitable business of over 150 brands.

GSK Pakistan presently employs about 2,300 persons across its Sales, Global Manufacturing Services (GMS), Pharma division and Consumer Health Care functions. Our Global Manufacturing Services (GMS) in Pakistan consists of three facilities; West Wharf, F-268 site and Korangi. ■

Greene | Pakistan's 1st Online Platform of Gardening Solution

MobiTising's project Greene.pk is Pakistan's 1st Online Platform that offers Plants, Pots, Seeds, Tools, Landscape, Agriculture Services and Kitchen Gardening supported by Real-Time Chat (Forum) and Free Delivery of services at the doorstep.

First Achievement with Greene Launch

In March 2018, the Brand Launch of Greene began with a Ribbon Cutting Ceremony performed by Mr. Muhammad Ali Malkani, Minister of Livestock and Fisheries accompanied by dignitaries, Bureaucrats, Civil Society members and the public.

Greene initiated the cause of distributing 100 Million Plants to ensure a Greene Pakistan, Greene donated 18,500 plants altogether during the 4-day activity and each plant was tagged with the concept of Adoption of a plant as a living thing i.e. "Thank You for Adopting Me". With the partnership of Rotary Club of Karachi Kolachi, Greene donated 10,000 plants to Rotary District 3271. Whereas, 5,000 plants were donated by Greene to Commissioner Karachi whereas, 3,500 plants were handed over to people throughout the 4 Day Flower Show Event in



collaboration with Social Forestry Division, Forest Department, Government of Sindh.

Second Achievement with Team Greene - Earth Day

Team Greene actively participated in walk a cause "Clean Earth Green Earth" on the universal Earth Day on 20th April at Essa Lab, Shaheed-e-Millat Road.

Third Achievement with Public Awareness Campaign

Greene donated 2,000 plants during 2-day activity of International Earth Day at Dolmen Mall Clifton, Karachi on 21st & 22nd April 2018. Greene executed an Awareness Campaign on Plantation, eradication of Environmental pollution, Home Pollution and benefits of Kitchen Gardening.

Children Awareness Program was part of the campaign where students from different schools participated. Moreover, people overwhelmingly supported the cause and objectives of greene.pk. Team Greene, is still working to offers a wide selection of Corporate Social Responsibility (CSR) events. ■

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Indus Motor Company Limited

Indus Motor Company Limited (IMC) was incorporated in 1989 as a result of a joint venture agreement among some companies of House of Habib of Pakistan, Toyota Motor Corporation and Toyota Tsusho Corporation of Japan. The Company manufactures and markets Toyota brand vehicles in Pakistan.

are located at a 105 acre site in Port Qasim, Karachi, while the product is delivered to end customers nationwide through a strong network of 45 independent 3S Dealerships spread across the country.

In its 27 years history since inception, IMC has sold more than 750,000 CBU/CKD vehicles and has demonstrated impressive growth, in terms of volumetric increase from a modest beginning of 20 vehicles per day production in 1993 to 240 units daily at present through the development of human talent embracing the 'Toyota Way' of quality and lean manufacturing.

The Company invests heavily in training its 2,800 plus workforce of team members and management employees and creating a culture of high performing empowered teams working seamlessly across processes in search of quality and continuous improvement.

The Indus Motor Company strives for sustainable growth through technologies and practices that enable the environment and economy to coexist in harmony.

Our environmental commitment is manifested not just in



the wordings of our policies, but is reflected strongly in our actions. We are at the forefront of activities that preserve and improve our environment, building close and cooperative relationships with individuals and organizations involved in environmental preservation.

The company's initiatives in the sector include a wastewater treatment plant that has been installed with an investment of Rs. 50 million, to recycle water

used for plantation. The company has installed the environment friendly Co-generation Power Plant which will help in reduction of carbon dioxide emissions through the use of natural gas to operate engines and turbines. The company has also installed a Thinner Recycling Machine, costing Rs. 2.5 million, to recycle the waste thinner in its manufacturing process. In Ozone Protection, IMC was the first automobile company in Pakistan to commence use of environment-friendly gas R-134a in car air-conditioners (instead of CFC-12).

The company has installed an Incinerator facility at its plant to ensure environmentally safe solid waste disposal. IMC has also planted thousands of trees at its plant and developed a garden zone of over 64,000 sq. meters. The company launched an environmental initiative for the preservation of Lake Saiful Muluk, with the purpose of cleaning up its surroundings and educating local people and businesses in keeping the area clean and beautiful. ■

K-Electric Limited

K-Electric, then known as the Karachi Electric Supply Corporation, was established on September 13th, 1913, to meet the power needs of Karachi. With Pakistan's Independence in 1947, Karachi as its then capital received an immense influx of people and was soon bustling with economic activity. Businesses spawned rapidly and transformed Karachi into Pakistan's commercial hub. The 'City of Lights', however, faced an acute energy crisis in the 1980s and 90s, as the organization proved unable to meet the power requirements of the expanding megalopolis. Over the following decades, KESC faced numerous operational, financial, cultural and reputational challenges, and the cry for change arose.

When new management, led by the Abraaj Group, took the reins in 2009, it proved to be the advent of a new age for the organization and Karachi. Value creation was introduced at every level of operations, including environmental, social, and governance policies. The organization posted a profit for the first time in 17 years in 2011-12, and was rebranded under its current name of K-Electric in 2013. Today, over 60.3% of the city has become load-shed free and transmission and distribution losses have decreased by 13.7% over the previous seven years.

Like the city it serves, K-Electric has come a long way in the past one hundred years. In our second century, we aim to become a regional leader among utilities and an example of



global excellence in energy provision.

Details of Tree Plantation Drives during CY2017

There were various tree plantation drives carried out throughout the year under its programme 'Plant for Pakistan.' KE executed the tree plantation drives in collaboration with the following institutions: NED University

- SZABIST
- WWF Nature Carnival
- LRBT Ride for a cause @ Karachi Press Club
- 14th Aug (Independence day) Plantation drive at FESF (Deaf Reach School)
- Plantation drives at various KE sites including BQPS I, Uthal and GSM West grids

Different plants were planted in these drives which included fruit trees, herbs and a large number of mangroves.

K-Electric is also leading Karachi in WWF's One Planet City Challenge (OPCC) and we have been selected as a finalist city. This means that we have reached the next level within the OPCC. Now WWF is initiating a public participation campaign 'We Love Cities' during May and June.

A total of 73,000 trees were planted in the drive during the year. ■



Kot Addu Power Company Limited (KAPCO)

Vision Statement

To be a leading power generation company, driven to exceed our shareholders' expectations and meet our customer's requirements.

Mission Statement

To be a responsible corporate citizen
To maximise shareholders' return

To provide reliable and economical power for our customer

To excel in all aspects relating to safety, quality and environment

To create a work environment which fosters pride, job satisfaction and equal opportunity for career growth for the



employees.

Kot Addu Power Plant (the "Power Plant") was built by the Pakistan Water and Power Development Authority ("WAPDA") in five phases between 1985 and 1996 at its present location in Kot Addu, District Muzaffargarh, Punjab. In April 1996, Kot Addu Power Company Limited ("KAPCO") was incorporated as a public limited company under the Companies Ordinance, 1984 with the objective of acquiring the Power Plant from WAPDA. The principal activities of KAPCO include the ownership, operation and maintenance of the Power Plant. ■

KSB Pumps Company Limited

Engineering that's a very smart move

KSB is a leading supplier of pumps, valves and related systems.

These are used in a large variety of applications ranging from building services, industry and water transport to waste water treatment and power plant processes. Founded in Frankenthal, Germany, in 1871, the company has a presence on all continents with its own sales and marketing organisations, manufacturing facilities and service operations. KSB employs more than 16,000 people. The company also has 170 service centres and over 3,000 service staff to provide inspection, maintenance and repair services worldwide.

The success of the company is founded on innovative technology that is the fruit of its own research and development activities. KSB's research centres focus their efforts on hydraulics, materials technology and the automation of pumps and valves. Excellent efficiencies, energy-saving motors as well as equipment for the control and monitoring of system components ensure high overall energy efficiency.

Growth that's sustainable

KSB has been an independent company ever since it was



established in 1871. The KSB Group strategy aims to maintain that independence, achieve success, and build on it sustainably.

Our goals are:

- Being better than our competitors in the eyes of our customers
- Taking a leading position in attractive markets
- Achieving sustained profitable growth to secure our future in the long term

Proactive planning secures success

Planning and commitment are the prerequisites for a successful future. But to reach our goals we need to remain flexible. This flexibility will enable us to react to changes in the markets and adapt our strategy projects as required.

Corporate culture: professional and committed

Shared values and behaviours shape collaboration at KSB as well as the way we act and interact with customers and business partners. The KSB corporate culture is based on:

- Trust, ● Honesty, ● Responsibility, ● Professionalism
- Appreciation. ■

Lotte Chemical Pakistan Limited

Lotte Chemical Pakistan Ltd is a world-class supplier of purified terephthalic acid, an essential raw material used in the polyester industry. Lotte, the South Korean conglomerate, acquired the majority shareholdings in Lotte Chemical Pakistan Limited (LCPL) in September 2009. Subsequently, the name of the Company was changed to Lotte Chemical Pakistan Ltd.

Lotte Chemical Pakistan Ltd is the single largest foreign direct investment to date (US\$ 490 million) in Pakistan's



petrochemical industry. The plant at Port Qasim, Karachi was built using ICI's state-of-the-art technology when it was commissioned in 1998. It produces Purified Terephthalic Acid (PTA), an essential raw material for Pakistan's textile and PET packaging industries and forms the backbone of the polyester chain, including Polyester Staple Fibre, Filament Yarn and PET (bottle grade) resin.

In addition to its own manufacturing facilities, the Company has helped create a large infrastructure network

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which includes a chemical jetty, raw water pipeline and manufacturing of industrial gases through third party contracts. It has therefore been a trendsetter in industrial investment in Pakistan.

The PTA plant was constructed in 1996/97 and started production in June 1998. Within a short time, PPTA's dedicated and highly motivated team of professional engineers proved that it could run this complex plant to world standards of safety, environmental care, product quality and process efficiency.

Since 2002 the plant has operated above its nameplate capacity of 400,000 tons per annum and following minor de-bottlenecking and process improvements, is capable of ramping that up to 500,000 tons per annum. The plant remains one of the most advanced facilities in its class in the region.

The company maintains its competitive edge by virtue of being a local manufacturer and major supplier for the domestic Polyester and PET industries with short delivery times, consistent quality and excellent customer service. ■

Lucky Textile Mills Limited

Lucky Textile Mills Limited was first established in 1983 and has since remained one of the leading textile manufacturers in the country to-date. With an indelible commitment to employing the most modern technology and providing outstanding working conditions for all our staff, we have always believed in creating the best value for any entity that invests its time with us. For over 30 years, our continued focal point has remained on our esteemed customers and their satisfaction, which we always strive to guarantee.

With three state-of-the-art weaving mills that house 750 Sulzer Shuttle-less looms which are equipped with computerized back process comprising of Karlmayer warping and sizing machines. This high-tech mechanism is installed to cater to the international market and has a capacity to process 250, 000 meters per day and over 83 million meters / annum processing capacity. Also, our factories facilitate over 6.20 MWs of power generation that provides a self sufficient energy source. We maintain that every aspect of our operations is inclined towards



adding to a progressive future and firmly believe that by stringently pursuing our core values of Leadership, Understanding, Commitment, Knowledge and Yielding, we will undoubtedly grow to be one of the most successful industry leaders in the country.

MISSION & VISION

To be the leaders in the textile industry whilst providing a socially responsible commitment to the environment we invest in.

Provide superior quality and assurance to all our customers and stakeholders by employing techniques that serve both our internal and external environment with respect and integrity.

We have committed to protect our surrounding environment and the mother earth from any kind of harm or pollution by introducing pollution free environment friendly technologies, comply with legal obligations from Environment protection agencies, promote Reduce, Reuse, Recycle culture, achieving sustainability initiatives, treatment of all the hazardous waste either in the form of water, solid or gas. ■

Lucky Cement Limited

Lucky Cement is one of the largest producers and leading exporters of quality cement in Pakistan and is listed on the Pakistan Stock Exchange (PSX). The company has also issued Global Depository Receipts (GDRs), listed and traded on the Professional Securities Market of the London Stock Exchange.

Over the years, the Company has grown substantially and is expanding its business operations with production facilities at strategic locations in Karachi to cater to the Southern regions and Pezu, Khyber Pakhtunkhwa to furnish the Northern areas of the country. Lucky Cement is Pakistan's first company to export sizeable quantities of loose cement being the only cement manufacturer to have its own loading and storage terminal at Karachi Port.

Lucky Cement strives to remain an efficient and low cost producer and is one of the pioneers to introduce and install Waste Heat Recovery and Refuse Derived Fuel (RDF) and Tyre Derived Fuel (TDF) Plants in Pakistan. It also has self-sufficient Captive power generation facility of 180 MW and supplies additionally generated electricity to support the National grid. Lucky Cement owns a fleet of Bulkers & Trailers, which gives



added advantage in terms of logistics and efficient deliveries to all types of customers spread across the length and breadth of the country.

Vision: Ensure sustainable leadership position in Pakistan & increase global footprint in the cement sector. Identify & capitalize on diversification opportunities to maximize shareholders' value while remaining socially responsive in all spheres of operations.

Mission: We strive to be a growth oriented company by identifying opportunities, making the right investments, producing high quality cement and using innovative technology to achieve cost competitiveness and customer satisfaction. We endeavor to harness the best human resources and providing them a level playing field in achieving long term goals. We aim to deliver sustained growth and enduring value to our stakeholders. We recognize our obligations towards environment and corporate social responsibility and seek to mitigate any adverse effects on our environment. ■



SPECIAL REPORT

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Mal Pakistan Limited

Marketed around the world, the Mobil brand is known for performance and innovation. The Mobil brand is recognized for its advanced technology in lubricants and services, and it is synonymous with Motorsport where performance counts.

Whatever you build, produce, manufacture, run or generate, one fact is clear: Better lubricants and Better lubricants suppliers co relate to productivity. Just one reason why more than 5000 equipment builders worldwide recognize Mobil Industrial Lubricants. With a standard-setting product range, and unmatched industry expertise, Mobil Industrial Lubricants don't just elevate productivity. We unleash it.

The Mobil brand first entered Pakistan in September 1997 with its world-renowned range of lubricants for automotive and industrial use. Business is conducted through our corporate office located in Karachi, regional offices located in Lahore and Islamabad.

We have an extensive sales network throughout Pakistan



supplying lubricants to a wide range of automotive and industrial users. We have direct and indirect sales presence throughout the country, giving us a truly nation-wide coverage.

Our automotive range includes passenger vehicle oils, commercial vehicle oils, transmission oils, brake fluids and greases. Apart from this, we are market leaders in high performance synthetic oils which are being used in a majority of premium class and luxury vehicles across the country.

For industrial applications, we have a broad product range including gas engine oils, heavy duty diesel engine oils, turbine oils, compressor oils, industrial gear oils and hydraulic oils. Our industrial lubricants are being used in almost every industrial application around the world and are endorsed by major equipment manufacturers globally. Segments where our lubricants are market leaders include; Power Generation, Chemicals, Oil & Gas exploration, Textiles, Manufacturing, Construction, Marine and Aviation along with other sectors. ■

Maple Leaf Cement (A Kohinoor Maple Leaf Group Company)

Maple Leaf Cement is a part of Kohinoor Maple Leaf Group (KMLG). KMLG comprises of two listed public limited companies i.e. Kohinoor Textile Mills Limited (KTML) and Maple Leaf Cement Factory Limited (MLCF) and two unlisted public limited companies i.e. Maple Leaf Capital Limited, the subsidiary of Kohinoor Textile Mills Limited and Maple Leaf Power Limited (MLPL), the wholly owned subsidiary of MLCF (captive power project). MLCF is a subsidiary company of KTML. The Group companies are ranked amongst the top companies in the cement, textile and investment sectors.

Nature of Business:

Maple Leaf Cement Factory Limited is part of the Kohinoor Maple Leaf Group which is a reputable manufacturer of textile and cement in Pakistan. Maple Leaf Cement is the largest single cement production site in Pakistan. It is one of the pioneers of cement industry in Pakistan and in 1956 it was formed by the collaboration between the West Pakistan Industrial Development Corporation and the Government of Canada. Currently, the Company operates via two production lines for the production of grey cement and one line for white cement in which it owns more than 90% market share. All three lines are owned assets



of the Company. Total installed capacity for clinker production is 3,360,000 tons annually.

HSE Policy:

At Maple Leaf, we are committed to focus on occupational Health, Safety and Environment (HSE) to protect the Company assets, Human Resources and Plant machinery. We believe prudent policies will enhance employee motivation and reduce accidents, resulting in improved EBITDA (Financial margins).

Our HSE Policy is based on Hazard Identification and Risk Assessment (HIRA). We will identify areas of operations at Plant Site / Head Office to determine the level of HSE risks. Accordingly, Policies will be made to reduce the risk level, keeping in view Government Regulations & Country environment.

We are committed to produce Cement In a clean & safe environment. The Company strives for pollution prevention, control & continual improvement by complying with applicable. We focus on Prevention, Control of Air Pollution and effectively managing Solid Wastes.

We strongly believe in creating Environmental & Health awareness among all the employees & interested stake holders by establishing Environmental Management System as per ISO-14001:2015. ■



Martin Dow Marker Limited

Founded in 1995, Martin Dow is one of the largest locally owned pharmaceutical companies in Pakistan, a status achieved through rigorous efforts of its management and employees.

Martin Dow markets over 60 brands with more than 1000 employees countrywide. It markets research-based products and world-class branded generics which are developed, formulated and manufactured at its cGMP compliant manufacturing facility located in Karachi.



pharmaceutical companies

VISION

Martin Dow is a Corporate Force that is positioned to create long term value for the society and its stakeholders

Stakeholders

- Employees
- Patients
- Doctors
- Other Healthcare Professionals
- Regulators/Government
- Partners

VALUES

- To treat every employee with dignity & respect and create a culture of continuous learning & growth
- To develop a long term & transparent relationship with our business associates by entering into value added ventures which are mutually beneficial
- To share the benefits of our success with the communities and be socially responsible
- To nurture talent and enhance teamwork. ■

MARTIN DOW'S STRATEGIC ROADMAP

- Technological advancement
- Operational finesse
- Strategic focus towards growth oriented markets/growth driving product profile
- Customer centric approach for providing quality healthcare solutions
- Enhanced feedback and communication with all stakeholders
- Aggressive growth and innovative marketing strategies

MISSION

- To be one of the most admired companies in Pakistan
- To be the fastest growing amongst top three

Martin Dow Limited

Founded in 1995, Martin Dow is a leader amongst more than 600 local and multinational pharmaceutical companies operating in Pakistan.



- To nurture talent & enhance teamwork

MISSION

- To be one of the most admired companies in Pakistan
- To be the fastest growing amongst top 3 pharmaceutical companies

VISION

Martin Dow is a Corporate Force that is positioned to create long term value for the society and its stakeholders

VALUES

- To treat every employee with dignity & respect and create a culture of continuous learning & growth
- To develop a long term & transparent relationship with our business associates by entering into value added ventures which are mutually beneficial
- To share the benefits of our success with the communities and be socially responsible

ENVIRONMENT

It is agreed that human kind is using natural resources rapidly and we all need to take part in conserving nature. Martin Dow has contributed towards building a more environmentally sustainable society.

We strive and thrive to achieve eco-efficiency by avoiding damage to the environment.

We are consistent in taking care of the below mentioned environmental aspects:

- No pollutants in the environment
- Control of air emission from processing area
- Safe disposal of solid waste
- Noise level within specified limits
- Guard leakages of water, solvent & chemicals.

Martin Dow Limited also has an onsite wastewater treatment plant facility which treats the wastewater produced in the factory premises. ■



Mustaqim Dyeing & Printing Industries (Pvt.) Ltd.

Mustaqim was established in 1994. Company started its operation from commission printing and after having the edge in printing skills, started export in 1997. Being very well aware of the general requirements of the export business, we have been successfully working with our honorable customers.



Serving the world through quality

As the pioneer of Synthetic Textiles in Pakistan, names of "Gatron" & "Novatex" is synonymous for the Excellence, Commitment & Leadership.

Untiring and dedicated efforts by the committed team, which comprises of skilled, trained & professionally dedicated work force, has empowered the companies with the new dimensions of business excellence.

Realizing the importance of the customer relationship, an endless efforts are made to deliver products employing sophisticated technology facilities on-time and the team continuously work for evolving innovative business strategies with an eye on expansion.

"Trust & Reliability" is the core theme in all companies.

We are first manufacturing plant in Karachi having fully operational waste water treatment plant.

We are saving three trees per month by using both side of the paper.

We are only using Azo-Free dyes & chemicals & are certified with Oko-Tex (Class 1) certificate.

We have converted our plant generators & boilers from diesel to gas to avoid extra emission of CO in the environment.

We have converted all our standard operating procedures of the plant according to the Energy Conservation Program.

We have modified our office area to utilize maximum day light in order to avoid extra usage of bulbs

We have built our office area in a way that maximum natural air is utilized and usage of air conditions is minimized.

We have started replacing standard bulbs & tube lights with the energy savers to avoid extra emission of CO & CO₂ in the environment.

We are using longer lasting batteries in order to avoid the emission of extra CO in the environment during dispose off process.

We are maintaining noise level within the manufacturing area according to same standard as described by UNO.

We use recycled packaging material... even for the visiting cards. ■

National Refinery Limited (NRL)

National Refinery Limited (NRL) was incorporated on August 19, 1963 as a public limited company. Government of Pakistan took over the management of NRL under the Economic Reforms Order, 1972 under the Ministry of Production, which was exercising control through its shareholding in State Petroleum Refining and Petrochemical Corporation (PERAC).

The Government of Pakistan had decided to place the National Refinery Limited under the administrative control of Ministry of Petroleum & Natural Resources in November 1998.

In June 2003 the Government of Pakistan decided to include NRL in its privatisation programme. The selling of 51% equity and transfer of management control to a strategic investor had been proposed accordingly, the due diligence process for the privatisation was initiated. After competitive bidding NRL was acquired by Attock Group in July 2005. The Company has been privatised and the management control handed over to the new owner Attock Group on July 7, 2005.

Business activities and refinery's overview



NRL is engaged in the manufacturing, production and sale of large range of petroleum products. The refinery complex of the Company comprises of three refineries, consisting of two lube refineries and one fuel refinery. First Lube Refinery commissioned in 1966 with designed capacity of 3,970,500 barrels per annum of Crude Processing and 533,400 barrels per annum of Lube Base Oils.

Second Lube Refinery was commissioned in 1985 with designed capacity of 700,000 barrels per annum of Lube Base Oils, which came to 805,000 barrels per annum after revamp in June 2008.

The Fuel Refinery was commissioned in 1977 with designed capacity of 11,385,000 barrels per annum of Crude processing; after first revamp the designed capacity came to 16,500,000 barrels per annum of Crude processing in 1990 whereas after its second revamp the capacity has been further enhanced to 17,490,000 barrels per annum of Crude processing, commissioned in March 2017.

The BTX unit was commissioned in 1979 with design capacity of 180,000 barrels per annum of BTX. ■

National Security Printing Company (Pvt.) Ltd.

The National Security Printing corporation was established in 1969 and happens to be one of the oldest public sector corporations in the country. It comprises of three printing presses located respectively at Islamabad, Karachi and Lahore. The Corporation has its headquarters at Islamabad.

The NSPC offers the largest facility for offset printing in the country which is managed by a skilled workforce of about 1200 personnel. All the units of



the NSPC are well equipped with modern machinery to perform a large variety of printing jobs.

The NSPC has recently launched productivity improvement programme aimed at reducing costs and introducing creativity.

It is expected that with implementation of this programme during 2007 the efficiency and quality of service being provided by the NSPC register a quantum improvement. ■

NovaMed Pharmaceuticals (Pvt.) Ltd.

NovaMed Pharmaceuticals is a name of trust, excellence and quality in the pharmaceutical industry of Pakistan. We strive to serve the humanity in the best possible way by providing them a wide range of innovative and quality medicines. This is because:

"We Care For Better Life"

The NovaMed Approach is purely simple. We believe in the providing value to life

Vision

NovaMed vision is to become a leading name among the manufacturers of quality Pharmaceutical products in shortest possible time, through excellence & innovation in all our activities.

Mission

Mission of NovaMed is to provide innovative and superior Pharmaceutical products that improve the quality of life of our customers. We also want to provide an enabling work environment and advancement opportunities to our employees and a reasonable return to our shareholders.



Values / Values Mutual Respect

We respect the individual. We believe in communicating openly and honestly.

Integrity

We conduct ourselves with uncompromising integrity and honesty and insist on the highest ethical standards and transparency from our employees in all interactions. Everything we do must stand public

scrutiny.

Simplicity & Frugality

Simplicity is the hallmark of NovaMed ethics. We like to keep things straight, simple and functional.

Value Generation

Ensure profitable growth and enhance wealth of the shareholders.

Customer Satisfaction

Achieving customer satisfaction is fundamental to our business. ■

Nazafat Department of Dawoodi Bohra Community

The Dawoodi Bohra Community had taken an initiative of civic hygiene, cleanliness & urban greenery under the supreme guidance of 52nd Dai Late His Holiness Syedna Mohammed Burhanuddin Saheb (R.A.) which has continued by his esteemed Successor 53rd Dai His Holiness Syedna Aali Qadr Mufaddal Saifuddin Saheb (TUS). It strives to create awareness among citizens and helps civic authorities in developing infrastructure, to improve the civic life of citizens, in the spheres of civic hygiene, cleanliness, and urban greenery.



garden... Your streets and roads should resemble an orchard..." Quotation: By Syedna Aali Qadr Mufaddal Saifuddin Saheb T.U.S, when addressing the Dawoodi Bohra Community.

Vision

Restoring and maintaining civic hygiene, cleanliness & urban greenery globally for better health and ambience in the environment where we live.

Achievements

In a short span of time many Nazafat Committee's have achieved recognition among the local authorities in many cities, towns and villages globally. ■

Objective

"Make our world so Clean & Green that it becomes a



SPECIAL REPORT
**15th Annual Environment
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OGDCL - The leading E&P Player in Pakistan

OGDCL is the national oil & gas company of Pakistan and the flagship of the country's E&P (exploration and production) sector. The Company is the local market leader in terms of reserves, production and acreage, and is listed on Pakistan stock exchange and also on the London Stock Exchange since December 2006. The Company is all set to ride the wave of E&P activity, equipped with its Vision & Mission, Business and Strategic Plan, a debt-free and robust balance sheet and healthy cash reserves. The Company is ready to take on the challenges of a volatile E&P industry.



OGDCL Vision

To be a leading multinational Exploration and Production Company.

OGDCL Mission

To become the leading provider of oil and gas to the country by increasing exploration and production both domestically and internationally, utilizing all options including strategic alliances.

To continuously realign ourselves to meet the expectations of its stakeholders through best management practices, the use of latest technology, and innovation for sustainable growth, while being socially responsible. ■

Packages Limited

We believe in changing people's lives for the greater good.

We take pride in producing quality products and packaging solutions that have made us pioneers in the tissue and packaging category.

Mission Statement

To be Leader in markets we serve by providing quality products and superior service to our customers, while learning from their feedback to set even higher standards for our products.

To be a company that continuously enhances its superior technological competence to provide innovative solutions to customer needs. To be a company that attracts and retain outstanding people by creating a culture that fosters openness and innovation, promotes individual growth and rewards initiative and performance.

To be a company with combination of its people, technology, management systems and market opportunities to achieve profitable growth while providing fair returns to its investors.



To be a company that endeavors to set the highest standards in corporate ethics in serving the society.

Research

One of the hallmarks of our success is continued research to refine our offerings. Through our joint ventures with some of the world's biggest names, we continuously improve customer value with improvements in productivity.

Innovation

We are at the forefront of new developments in packaging research and pioneered several innovations, including the use of wheat straw as a raw material for paper and board manufacture.

Development

We provide comprehensive packaging solutions worldwide through creation and development for impactful designs that build stronger brands. ■

Pakistan Accumulators (Pvt.) Limited

Pakistan Accumulators (Pvt.) Ltd. (PAL) is an ISO 9001 & ISO 14001 certified company that focuses in various battery types under brands "VOLTA" & "OSAKA" for more than 20 years. At first, batteries were manufactured under Technical support of Chloride Industrial Batteries.

Core Values

- Integrity & Credibility
- Honesty & Accountability



- " Sense of Ownership
- " Motivation & Team Work
- " Speak from the Heart
- " Innovative Thinking
- " Environment Friendly

Our Vision

" A customer trust winning company believes in quality products through continuous Research & Development ensuring sustainable returns to stakeholders. ■

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Pak Arab Refinery Limited (PARCO)

PAK ARAB REFINERY LTD (PARCO) is a Joint Venture between Government of Pakistan and the Emirate of Abu Dhabi, incorporated as a public limited company in 1974. 60% of the shareholding is by the Government of Pakistan and 40% by the Emirate of Abu Dhabi through its Abu Dhabi Petroleum Investment Company L.L.C. (ADPI), a subsidiary group of International Petroleum Investment Company



PARCO is a fully integrated energy company, and is a key player in the country's strategic oil supply and logistics. With a refining capacity of 100,000 BPD, combined storage capacity of over one million metric tons, a marketing joint venture with TOTAL (France), a technical support venture with OMV (Austria), a nationwide LPG network, PARCO has emerged as the strategic fuel supplier to the country with a broad portfolio of operational ventures. The organization encompasses Pakistan's largest

refinery and 2000 kms of cross country pipeline network, including its subsidiary PAPCO.

With continued support of the Emirate of Abu Dhabi, PARCO has been able to realize a number of energy projects that have contributed significantly in enhancing the country's economic growth, saving foreign exchange, transferring technology and providing employment.

The performance of the company can be judged by the fact that it has retained its AAA and A1+ long and short term credit rating by PACRA for seventeen consecutive years. The company has achieved another milestone by successfully achieving re-certifications of ISO on the revised versions of Quality Management System (ISO 9001:2015), Environmental Management System (ISO 14001:2015) and Occupational Health & Safety Management System (OHSAS 18001:2007) Standards. ■

Pfizer Pakistan Limited

Pfizer is the world's premier biopharmaceutical company engaging in the business of discovering innovative solutions to some of the most complicated health challenges of our times. Every aspect of our operation is driven by the sole objective of working together for a healthier world.



At Pfizer, we apply science and our global resources to bring therapies to people that can help extend and improve their lives. We strive to set the standard for quality, safety and value in the discovery, development and manufacture of health care products. Our global portfolio includes medicines and vaccines as well as

many of the world's known consumer health care products. Every day, Pfizer colleagues work across developed and emerging markets to advance wellness, prevention, treatments and cures that challenge the most feared diseases of our time. Consistent with our responsibility as one of the world's premier innovative biopharmaceutical companies, we collaborate with health care providers, governments and local communities to

support and expand access to reliable, affordable health care around the world. For more than 150 years, Pfizer has worked to help make a difference for all who rely on us. ■

Port Qasim Electric Power Company (Pvt.) Ltd.

The facility includes a coal-fired electric Power Plant located on the site and the Company Interconnection Facilities (but excluding the Power Purchaser Interconnection Facilities) having a design capacity of approximately 1320MW (gross ISO) and a Coal Jetty that is to be built and used exclusively for the Power Plant due to that the existing facilities for coal transportation and handling available in Port Qasim are insufficient and would be inefficient for our Project.



Environmental Protection a) Protection of underground water resources In order to prevent fly ash and bottom ash from polluting underground water after being wetted by rainwater, anti-seepage geomembrane will be laid on bottom of ash yard and inner slope of cofferdam, forming a basin-shaped anti-seepage system, which can isolate fly ash and bottom ash from contacting outside world. o b) Greening Green belt, growing with trees in 20m width, will be designed at

exterior area of ash yard to reduce windy dust. When ash yard is expected to reach full capacity, the ash surface shall be covered with 0.3m-thick soil and planted with grass. c) Ash Surface Spraying To ensure the water supply for compaction and rolling, flexible auto sprinklers will be used with spraying water taken from power plant common water source or from water collecting pond. During windy season, ash surface exposed will be sprayed more frequently

than usual, if necessary, covered with soil to avoid environmental pollution from fly ash. 5.3 Ash Yard Management Ash will be stacked in blocks, minimizing stacking working surface. In order to facilitate comprehensive utilization in the future, fly ash and bottom ash will be stacked separately. When stacking, the ash will be rolled and compacted from bottom to top layer by layer. When 5 ash yard is expected to reach full capacity, the ash surface shall be afforested or converted into cultivated land. ■



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PharmEvo Pakistan (Pvt.) Limited

PharmEvo manufacturing facility is a purpose built facility with covered area of approximately 60,550 sq ft out of its total accumulated land of 217,800 sq ft (5 Acres plot). It is situated in Port Qasim Industrial Zone, Karachi at 40km away from the downtown towards south-west. Several pharmaceuticals, automobiles & FMCG manufacturing companies are located in the area. National highways & Port Qasim seaport in the vicinity while Airport is located at 20Km (approx) from the facility.

PharmEvo acquired manufacturing license by way of formulation from Drug Regulatory Authority of Pakistan (DRAP) in October 2002 and started manufacturing at its own facility in February 2003. Since September 1999 till acquiring manufacturing license, products were being contract manufactured from another pharmaceutical company.

There are two separate and dedicated manufacturing facilities in the plant namely Cephalosporin and Non-Cephalosporin. The Non-Cephalosporin Pharma facility has been engaged in manufacturing of general pharmaceutical products in multiple dosage forms like Tablets, Capsules,



Sachets, Oral Liquid and Cream/Ointments. Cephalosporin facility is licensed to manufacture Tablets, Capsules, Dry Powder Suspension, Dry Powder Sterile Injections & Water for Injection (WFI). Processes at both facilities are monitored & controlled by an established Quality Assurance System.

Both the manufacturing facilities are double-storied buildings conforming to cGMP Standards having ground floor dedicated for manufacturing and technical floor containing Air-Handling Units (AHUs), HVAC Ducts at first floor. Separate Product Development Laboratory with dedicated staff and equipment has been established on site for product developmental activities.

A centralized and well-equipped Quality Control Laboratory is constructed covering total area of 3,320 sq ft consisting upon segregated and dedicated areas for wet chemistry, microbiology, instrument and library. All equipment like HPLCs, GC, Atomic Absorption, UVs, Analytical balances, Dissolution Apparatus, Polarimeter, Potentiometer, Refractometer, Karl Fisher, Furnaces, Incubators and Stability Chambers & others are of highest brand and conforming to the Good Laboratory Practices. ■

Qarshi industries (Pvt.) Ltd (QIL)

VISION:

To be a leading national energy company of choice for all stakeholders by employing a strategy of diversification and integration with the right technology and adopting best industry practices for sustained competitive advantage.

MISSION:

To transport, refine and market petroleum and related products in Pakistan in a safe, efficient, reliable and environment-friendly manner maintaining professional excellence and ensuring favorable returns on all employed resources

OUR VALUES:

- Innovation & Continuous Improvement
- Result Orientation
- Teamwork
- Integrity
- Commitment
- Courage
- Communication

Distinctive leadership in quality, human resource, corporate social responsibility and research & development.



To be premier source of knowledge and leadership for the accomplishment of economically, environmentally and socially sustainable development.

Qarshi industries (Pvt.) Ltd (QIL) is one of the largest and highly rated national companies in Pakistan producing more than 250 health care herbal medicine products, health supplements and refreshing syrups. All the products produced and marketed are backed by Research and development (R & D) Laboratories Lahore and Quality assured by Qarshi Research International (QRI) Labs, Hattar. The Company has evolved into a modern, successful and progressive industry since its establishment in 1988, manufacturing and marketing leading brands of natural products and herbal medicines within the country and abroad. QIL is recognized as a quality-conscious and environment-friendly company and consolidated its image during various phases of its development with modern technical and scientific facilities and commitment to international quality standards. Qarshi is well aware of its environmental obligations as well. Qarshi commitment to environmental protection was formalized by acquiring ISO 14001 in 2000 and development of corporate environmental policy in the same year.

At Qarshi, protection of the environment is and always will be a part of our fabric - from our research, product development and supply chain, to the environmental benefits derived from our services and solutions. ■

Rafhan Maize Products Company Limited

Rafhan Maize Products Company Limited is a public limited company. It started its operations in 1953 as a pioneer corn refining industry in Pakistan. It has grown into one of the largest agro-based industries in Pakistan over the last 64 years. Rafhan Maize is an affiliate of Ingredion, USA who are one of the world's largest corn refiners. It produces high quality food ingredients and industrial products derived from the wet milling of corn and other starch-based materials. Ingredion has made investment of billions of Rupees to increase the capacity of Rafhan's original plant from 50 tons/day in 1953 to 750 tons/day at present. A second corn wet milling plant having a capacity of 250 tons/day was set up near Jaranwala town Punjab and started in September 2004. Its capacity was gradually expanded to 800 tons/day in 5 phases. A third corn refining plant has been commissioned in Kotri Sindh in October 2012. Its capacity is 300 tons/day.



All products of Rafhan Maize have leading market position and are being used in more than 50 different types of industries in Pakistan as essential raw material from local resources and also in international market. Major consuming industries include textile, paper, corrugation, confectionery, pharmaceutical, chemicals, baking, beverage, ice-cream, processed foods,

tobacco, foundry, syrup and squashes, tanning, poultry and cattle feeds, fish feeds and so many other food and non-food industries. The products of Rafhan Maize are manufactured under the technological support from Ingredion to match the International Standards and are well accepted in the vast export market. The Company has won the preferred supplier status among the customers by focusing on quality, customer service and teamwork

approach. Technical Centre at Rafhan Maize is responsible to develop new products to cope with changing requirements of customers and overcome functional problems connected with application of products in different industries.

Through consistent efforts, Rafhan Maize was successful in developing spring crop (March to June) of Maize as a second crop. The development of spring crop, as a second crop, through Contract Maize Farming Program is a great contribution of Rafhan Maize in the agricultural growth and economy of the country. Rafhan Maize plans to further strengthen contract maize farming program to produce high yield varieties of maize to boost the earnings of local farmers and keep the country self sufficient in the maize requirement. Rafhan Maize is pioneer in developing hybrid maize seed in Pakistan.

Rajby Industries

A strong heritage of values, morality, ethics and conduct - Rajby takes pride in its legacy that is based on 40 years of commitment, quality, and customer trust. A strong legacy that has been carried forward from one generation to another has become a source of inspiration for other aspiring businesses. Today, we have become an epitome of achievements and success standing tall amidst competition. company has grown from a unit with merely few stitching machines to now producing 3.2 million meters of denim fabric and 1.5 million garments each month reflecting upon our commitment to the industry. This has been possible with the grace of Almighty, state-of-the-art machinery and employee strength of 14,000. We have deployed the finest laundries for denim wet processive to get an edge over our counterparts. In actuality, we have streamlined all processes from start to completion in order to ensure high quality and utmost productivity. Today, Rajby is known for its vertically integrated set-up that caters to all processes from manufacturing, fabric, to the final garment. We have a focus on procuring the finest quality cotton, making use of high-end sophisticated technology and deploying dedicated resources that are skilled with adequate expertise to meet local and international standards. Presently, Rajby takes pride in being considered one of the premium and leading players in the Denim Textile and Apparel industry of Pakistan. With a strong global presence



and partnerships with top garment behemoths globally, we have succeeded in living up to our legacy.

- we are all set to conquer and excel in our future endeavor embracing newer horizons of success. Rajby, we have been working hard to deliver excellence where innovation is given utmost precedence. We simply love denim and want our end consumers to share the same passion and

warmth.

VISION

The most modern and ethical organization, which offers best deal for product, quality, price and delivery in the most sustainable way and with speed to the market.

MISSION

Rajby was founded with a vision to exceed its clientele expectation at all times. This is achieved by providing exceptional value and by fostering a positive environment and social charge. The company also ensures profitable growth through commitment, innovation, and quality.

Ensure profitable growth through innovation, quality and commitment. Exceed our clients' expectations by providing exceptional value. Foster positive social and environmental change. ■



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Roots School System

EDUCATING FOR TOMORROW'S WORLD!

Developing profound knowledge, entrepreneurial skills and values through 3E's: Exposure, Expansion & Exploration to meet the challenges of 21st century!

Roots School System RSS is a leading 21st model private sector educational institution styled on the modern 21st century educational system of international standards, specially designed to meet the requirement of the students to meet the challenges by involving the three E's approach EXPOSURE - EXPANSION - EXPLORATION. Established since April 1988, Roots has innovated modern education standards, with universally acclaimed academic excellence and all round development of students. Roots School System has more than 100 Campuses nationwide with an incessant increase in student number to nearly 25,000 plus students today. Roots has achieved academic excellence and all round development of students for over 25 years.

Perspective :

The foundations of our perspective are the things we have always stood for celebrating, diversity, creativity, vitality & excellence. The world is changing dramatically and the things



that make Roots different are now more relevant than ever before. Diversity is important because the huge range of different disciplines, culture, backgrounds and point of view of the school / college, make it a uniquely challenging learning environment perfectly suited to the kind of world we send our graduates out into.

Creativity :

Creativity has made Roots an innovator in so many fields, but we recognize that at the heart of our creative culture is the ability to thrive in a complex and ever changing environment.

Vitality:

The vitality of Roots comes from the fact that, despite being one of the biggest and most rapidly expanding school / college, everything that happens here happens between people. More than anything else, these encounters provide an opportunity for people to transform their lives by liberating their energy and abilities. Excellence at Roots is not just about competition and self-advancement, but about a community of learning that cares about its members and actively helps them to achieve the best they are capable of. ■

Rawalpindi Waste Management Company

Rawalpindi Waste Management Company (RWMC) was established in the second half of year 2013 and it grew and got strengthen so quickly that merely in a period of one year it took over five cities of Rawalpindi District, where it is providing solid waste management services in an efficient and effective manner.

RWMC is very much focused in addressing the cleanliness and sanitation related needs of the citizens and fulfilling the vision of Worth Chief Minister of Punjab. Feeling the need and pulse of the public and the Government for an efficient and systematic solid waste management system based on modern technology coupled with scientific footings, RWMC signed a contract with M/s Albayrak, a mature Turkish Company in the Waste Management Business, to clean Rawalpindi and Murree city. We firmly believe that the new system will be efficient in service delivery in accordance with the dynamic visions of CM Punjab, Local Government and Community Development Department Punjab. Last few month's performance is witness of the fact that we have addressed citizens' problems more effectively and systematically.

Our Profile

Solid Waste Management has long been an ignored sector due to lack of commitment and resolve by recent governments.



RWMC, established under the section 42 of the Companies Ordinance 1984 aims to solve this problem in coordination with City District Government. We are a not for profit organization and are governed by a board of directors headed by a Chairman.

Our Vision

Transformation of Rawalpindi as one of the cleanest cities in the world by providing customized solutions in consultation with professionals and private allies to ensure a sustainable, safe, clean and green environment. ■



Security Papers Limited

Security Papers Limited (SPL) was established in 1965. It became a joint venture company of Iran, Turkey and Pakistan in 1967, under the protocol of RCD - now ECO - in 1967. The basic function of the Company was and still is; to manufacture banknote and other security paper.

Security Papers Ltd. manufactures Banknote Paper and other security documents from 100% indigenous raw materials i.e. comber and textile cuttings of the highest quality. It has successfully been meeting the paper requirements of the Pakistan Security Printing Corporation (PSPC) for printing Banknotes, Prize Bonds, Non-judicial Stamp Paper, Share Certificates, etc. and Watermarked Certificate/degree papers for various educational institutions of Pakistan.

Vision

"To be a nationally and internationally recognized and accepted security paper producing organization, providing



highest quality paper to our customers, both in Pakistan and abroad."

Mission

"We are the only National Organization in Pakistan producing strategically important security paper products for the nation. We have developed a unique set of strengths and competencies. We wish to build on these assets and will strive continuously to achieve higher levels of excellence.

Our mission is to exceed the expectations of our customers in producing, with security and efficiency, highest quality paper products, employing international best practices and applying an integrated approach to product research and development, manufacturing technology, operations management, counterfeit deterrence, materials procurement, human resource management, financial management and information systems."

Sindh Engro Coal Mining Company (SECMC)

SECMC will execute the project in three phases. The first phase of the Project is underway, in which, two 330 MW sub critical plants will be established with majority share of Engro Powergen and is expected to be completed by 2018. In the second phase the mine will be further expanded to 7.6 MTPA and additional 2 x 330 MW will be added. Subsequently in phase three the mine will be taken to its potential of 33 MTPA capable of generating 3,960 MW.



for coal extraction in the Thar coalfield, Block II, as a means of tackling energy deficiency across Pakistan. In doing so, SECMC has made several investments which include, but not limited to, the acquisition of land for the resettlement of communities, mining facilities and services, and power plants.

Life at Thar

Tharparker is the only district in the country where a blend of two communities can be seen living together for centuries. It is located in South Eastern Sindh, isolated from the rest of the province by its unique landscape, agriculture, geography, climate, intricate culture folklore, and tradition."

SECMC Mining

SECMC has undertaken the execution of mining operations

Soorty Enterprises (Pvt.) Limited

Soorty will be at the forefront of the creation of denim fabrics and jeans, with a special emphasis on quality, cost and delivery of our products.

Our mission

Soorty will be at the forefront of the creation of denim fabrics and jeans, with a special emphasis on quality, cost and delivery of our products. We will do this through research, innovation and a sharp focus on our customers' expectations while ensuring a sustainable impact on our Earth and her people.



- Soorty Lecture Hall in Habib University, Pakistan's first liberal arts college.
- 400+ graduating students per year
- Subsidized Labor Canteens (at 40% of cost)
- 30,000+ daily meals for all workers
- Soorty Ward (ICU and Dermatology) at JPMC, Pakistan's largest public hospital.
- 68 beds, 15,000+ patients admitted annually
- SINA-Child Life Foundation - Musa Soorty

Centre.

- 40,000+ patients treated annually (mainly kids)
- The Citizen's Foundation - Soorty Campus I and II.
- 167 students enrolled."

SOCIAL RESPONSIBILITY



15th Annual Environment Excellence Awards 2018

Award Winners



Sui Southern Gas Company (SSGC)

Sui Southern Gas Company (SSGC) is a Public Listed Large Scale Company (LSC) and is a Pakistan's leading integrated gas Company. The Government of Pakistan directly and indirectly owns the majority of the shareholding of Company. The company is engaged in the business of transmission and distribution of natural gas besides installation of high pressure transmission and low pressure distribution systems.

SSGCL transmission system extends in the Provinces of Balochistan and Sindh comprising over 3,614 KM of high pressure pipeline ranging from 12" - 42" in diameter. The distribution activities covering over 1200 towns in the Sindh and Balochistan are managed through its regional offices. About



384,979 million cubic feet (MMCF) gas was sold in FY 2015-2016 to around 2.8 million industrial, commercial and domestic consumers in these regions through a distribution network of over 44,761 Km. The company also owns and operates the only gas meter manufacturing plant in the country, having an annual production capacity of 356,000 meters on single shift basis.

The Company is managed by an autonomous Board of Directors comprising of 11 members. The Managing Director/ Chief Executive is appointed by the Government of Pakistan and has been delegated with such powers as vested by the Board of Directors necessary to effectively conduct the business of the company. ■

Syngenta Pakistan Limited

Syngenta-Pakistan holding company is Syngenta AG which is headquartered in Switzerland.

Syngenta globally is one of the world's leading companies with more than 26,000 employees in over 90 countries dedicated to our purpose: Bringing plant potential to life. Through world-class science, global reach and commitment to our customers we help to increase crop productivity, protect the environment and improve health and quality of life.

In its present form, Syngenta is a young company, founded in 2000. We were incorporated as Ciba Laboratories (Pakistan) Limited in 1956 which subsequently changed to Ciba Geigy (Pakistan) Limited. Following one of the largest corporate mergers in history which took place in 1996, when Sandoz and Ciba formed to become Novartis, the name of the company was changed to Novartis (Pakistan) Limited.

On November 13, 2000 Novartis and AstraZeneca merged their agribusinesses globally to form Syngenta, the first global group focusing exclusively on agribusiness. Thus, Syngenta inherited the strengths and traditions of two excellent companies, both with a lengthy tradition of their own. Accordingly, we became Syngenta Pakistan Limited following the above merger.

Syngenta means "bringing people together."

Syngenta Pakistan is a Public Limited Company but not quoted on Stock Exchange. We are headquartered in Karachi while our production facility is also located in the same city. In addition, we have six distribution warehouses across Pakistan.

Vision Pakistan 2020

As a market leader, we are reshaping agriculture by driving farm productivity in a responsible manner, resulting in sustainable economic growth of Pakistan.

An inspired team, customer centric approach and entrepreneurial culture are at the heart of our business.



Syngenta business

The principal activities of the Company in Pakistan comprises of formulation, repacking and sale of agricultural products including Seeds. Syngenta Pakistan Limited is a market leader in Crop Protection business.

Ever since its formation in 2000, Syngenta has been committed to assisting its customers, farmers in their daily needs. It has done so by developing and offering a broad range of innovative products. We partner with growers to improve their livelihoods in Pakistan in sustainable ways. We promote innovative methods and technologies to help farmers increase their food production and make the best possible profit.

Employees

Syngenta-Pakistan employs over 278 people locally. We aim to provide a safe and healthy working environment that fosters employee satisfaction, development and wellbeing. Syngenta engages with employees to identify and develop opportunities and specific actions for improvement and contributes to the communities where it operates by helping them to prosper and develop.

Corporate Responsibility

Syngenta is guided by the conviction that value creation depends on the successful integration of business, social and environmental performance. We are committed locally to promote and maintain high standards of corporate responsibility in an industry that is essential to agriculture and food production. The company acts locally in accordance with its Code of Conduct and its Health, Safety and Environmental Policy, which embrace internationally accepted regulations and the highest scientific standards. ■

Siddiqsons Limited

Siddiqsons stems from powerful roots; those encapsulated in the name of the organization. 'Siddiq', which means 'truthful', plays an important role in the overall vision of the group.

The story of Siddiqsons began with venturing into the textile industry and unfolded as Mr. Muhammad Rafi embarked on trading cotton cloth in 1959. A wealth of experience has been passed down from one generation to the next and so the Siddiqsons family grows. We have expanded into various areas of textiles, becoming the pioneers of denim manufacturing in Pakistan. Along the successful journey, Siddiqsons diversified into other businesses including Tinplate, Construction & Real Estate, Dairies and Energy.



The group is one big family, not only related by blood, but by trust, experience and a joint vision for a future to bring success, eminence and prosperity for the economic growth of Pakistan. Siddiqsons believes in tapping into innovative, unique areas of businesses, which sets them apart and instill a zeal to progress and make every venture a success. Each Siddiqsons holding takes from the very essence of the 'truthful' nature and groundwork on which their past, present and future has been established. It has flourished and will continue to do so in the years to come with each new venture being cultivated with the love and wisdom imparted through generations. ■

The Aga Khan University Hospital

Our Vision of Aga Khan University Hospital, Nairobi is to be the premier, tertiary, teaching and referral health care facility in sub-Saharan Africa.

For over fifty years, Aga Khan University Hospital, Nairobi (AKUH) has been taking care of families in East Africa. As a private, not-for-profit hospital, we strive to provide access to quality healthcare to all who need it.

At AKUH, patients are our first priority. Our team of medical professionals, faculty and staff are here to provide you and your loved ones with the highest standards of healthcare. We are committed to working together to ensure that you and your family receive outstanding medical services, first-rate facilities and compassionate care.

The Aga Khan University Hospital, Nairobi has set the standard for comprehensive healthcare and modern medical education in East Africa. Our dedicated staff, advanced facilities and state-of-the-art technologies have earned the hospital great reputation as a leading medical institution and teaching hospital in the region, and beyond.

Patients benefit from our unique team-based approach to care, which enables you to benefit from the diverse expertise of our entire team of medical professionals. As the teaching



hospital for Aga Khan University's Medical College and School of Nursing and Midwifery, we practice an evidence-based approach to medicine, driven by the cutting-edge research conducted by our experienced faculty members. Our approach to care is guided by our core principles of Quality, Access, Impact and Relevance.
Policy (Mission)

At Aga Khan University Hospital, Nairobi:

- We strive for excellence in health care through the provision of expert, compassionate and ethical care to all our clients.
- We believe in the provision of accessible, cost effective, evidence-based, and efficient care that meets or exceeds the expectations of our clients.
- We strive to provide an enabling and collaborative work environment that motivates, energizes and recognizes the contributions of individuals and teams.
- Through leadership in research and education, we aspire to improve the health of the people of Kenya, East Africa and beyond. ■

By the next 10 years, Earth will become 4 degrees hotter than it's now. Himalayan glaciers are melting at a rapid rate, so all of us lend our land to fight Global Warming.
Plant more trees, Don't waste water,
Don't use or burn Plastics.



SPECIAL REPORT
**15th Annual Environment
Excellence Awards 2018**
Award Winners



Total Parco Pakistan Limited

A leading global oil and gas company, Total is also involved in chemicals and new energies. Our activities are organized into three interrelated segments based on an integrated business model that combines social responsibility and profitability.

In line with Total Group priorities, TPPL management is committed to provide all necessary resources to build a real & genuine safety culture in the Company and all concerned departments are continuously working hard to impart basic HSE knowledge to each employee of the Company at all levels. In addition to this, TPPL takes safety on its retail stations very seriously and our



customers safety is our prime concern for which regular safety trainings are imparted to the forecourt staff.

A state of the art tracking facility helps TPPL keep a check on the numerous vehicles in its fleet ensuring safe and unadulterated receipt of its products from the refinery to its retail stations. This tracking system also allows monitoring of driving behavior and speed of our vehicles thereby helping us to ensure that safe driving practices are being followed.

TPPL stands by the Total Group's Commitment of "Safety for You, For Me, For All" in all aspects of its operations. ■

Uch Power (Pvt.) Limited

Uch Power Plant is a combined cycle power plant, located in Dera Murad Jamali, Nasirabad District, Baluchistan, Pakistan. It has three GE frame 9E gas turbines, three Deltak HRSGs and one GE steam turbine which can generate an output of 560 MW. It is regarded as the best power plant in the region with an production availability of 97% and above. Uch-I Power started its commercial operation in 2000. The recently completed gas thermal power generation project is to develop a 404 MW gas-fired combined cycle power plant Uch II as an expansion to the existing 596 MW Uch Power Station ("Uch I") owned and operated by Uch Power (Private) Limited. Uch II power plant in Dera Murad Jamali, Balochistan. [1] Uch II is designed to use the supply of indigenous gas in the Uch Gas Field ("UGF"). Uch I is also using the gas from UGF. The Project will be structured as a standalone Independent Power Plant and will be built on the site of Uch I, using the available vacant land within the Uch I property that



was already acquired and fenced and will use some of the existing physical and management infrastructure. In addition to the infrastructure, the Project will benefit from synergies with the existing plant in the form of a shared management team as well as common utilization of O&M resources and administrative staff.

Similar to the operating 586 MW Uch I plant, the Project is expected to be one of the lowest cost producers of power in the country. The Project will be established under a separate project company called Uch-II Power Limited. The Company will be 100% owned by International Power Plc., which is headquartered in London and is one of the world's leading independent power generation companies with over 32,000 MW capacity worldwide. The total project cost is estimated at \$500 million, and the proposed IFC investment is an A-loan for IFC's own account of up to \$100 million. ■



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Responsibility Awards 2019*

January 2019 at Serena Hotel, Islamabad



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- ENGINEERS
- CONTRACTORS
- MANUFACTURERS



ABOUT US

From its humble start in 1999, HITEK Manufacturing has played its role in engineering goods manufacturing from simple holding tanks to ASME coded pressure vessels and complete solution provider in project management of a multi-dimensional project. The company is ISO 9001, 14001, 18001 and ASME certified and is well placed to manufacture and repair coded vessels.

HITEK is an industry leader in the production of LPG cylinders and LPG Bowsers and manufactures Cylinders in all sizes for most of the LPG marketing Companies. The four acres of manufacturing works is completely equipped to Fabricate, test and paint cylinders to customer specs.

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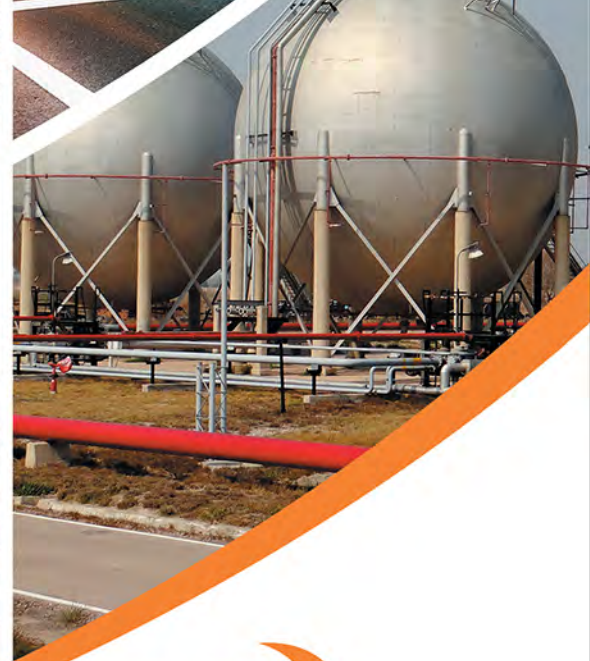


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- Marketing and nationwide distribution of LPG
- Production and sales of high quality asphalt



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Even till the smallest village
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