



Sui Northern Gas Pipelines Limited

sng

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Prime Minister's visit to Faisalabad

Gas theft of Orient Coating & Finishing Mills

An Anti Gas Theft Drive as per directions of Honorable Chief Minister of the Punjab was started in the first week of July 2013. The first major success of this drive was achieved when an industrial consumer M/s Orient Coating & Finishing

(Textile unit), Faisalabad was caught red handed while pilfering gas through direct tapping. The success was a result of collaborative efforts of SNGPL's officials and the District Administration, Faisalabad.

“Gas & Electricity thieves to be made an example”

Mian Muhammad Nawaz Sharif
Prime Minister of Pakistan

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Editorial Board

Patron-in-Chief
M. Arif Hameed

Chief Co-ordinator
Syed Jawad Naseem

E Team
Media Affairs Department

The gas theft volume in respect of M/s Orient Coating & Finishing Mills was assessed at 588 MMCF amounting to

with Honorable Ministers for P&NR, Water & Power, Information and other dignitaries, with a view to have an

“Crackdown on pilferers to continue; no timeframe can be given for an end to loadshedding; PML-N Govt to launch projects to fulfil power needs for 25 years; seeks masses support”

Says Nawaz Sharif

Rs 270 million. This remarkable success also caught the attention of Honorable Prime Minister as well as the Honorable Chief Minister of the Punjab, who paid visit to Faisalabad on 15.07.2013 along

inspection of the site while accessing the mode of theft. The worthy Managing Director SNGPL, SGM (D-S), GM Faisalabad (D) and other officials were also present.

The Managing Director briefed the Honorable Prime Minister on the issue. The Managing Director stressed upon the need for proper legislation on Gas Theft. The Honorable Prime Minister appreciated the efforts of SNGPL and local administration against gas theft, and advised to continue with the same dedication and vigour.

Later on, the Honorable Prime Minister also addressed a press conference at the site and gave a strong message indicating the Government's stance on gas theft to overcome energy crises in the country. He directed that gas thieves shall be dealt with iron hand.

Jamshed Riaz
Exec. Engr. (UFGC-S)

Editor's Note



Dear Readers,

We have given a new look to SNG this time around in order to enhance the interest of readers, while making it more useful and informative. The fall edition of SNG features Prime Minister's visit to Faisalabad in connection with Anti

Gas Theft campaign. OGRA hearing, SNGPL's Energy Conservation drive in collaboration with WWF – Pakistan, 66th Independence Day celebrations and glimpses of Eid Milan party are included in this edition. This edition of SNG also

contains thought provoking articles on Unaccounted for Gas and Energy Conservation, which will be of interest to the readers.

Mr. Ali Raza Awan
Media Affairs Expert



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SNGPL'S ACCOMPLISHMENT THEFT DETECTION

Sui Northern Gas Pipelines Limited, in its crackdown on gas thieves disconnected over 18,600 connections in the months of July and August 2013, while detecting theft exceeding Rs. 2.5 billion and saving over 4,500 million cubic feet of natural gas.

The category wise breakup of disconnection includes 17,514 domestic, 1,209 commercial, 55 industrial and 68 special domestic cases. This has been made possible through hectic round the clock efforts of the Company employees coupled with the support of the various Federal and Provincial Government Law Enforcement Departments. The Company has so far recovered over Rs. 124 million and efforts are underway to recover the rest through the available legal frame work. FIRs have been lodged and a number of culprits have been arrested so far.



OGRA Hearing



The Oil & Gas Regulatory Authority (OGRA) holds public hearings for determination of Revenue Requirement of SNGPL each year. The public hearings provide opportunity to the public to understand the mechanism of gas pricing in Pakistan.

This year, Public Hearing was arranged by OGRA in Pearl Continental Hotel Lahore on September 05, 2013 to discuss the following petition of SNGPL.

Final Revenue Requirement (FRR) for FY 2012-13

The Public Hearing was chaired by the Chairman, Oil & Gas Regulatory Authority, along with Vice Chairman / Member Oil. SNGPL side was led by the Managing Director, Deputy Managing Director along with the Chief Financial Officer and other senior members of the Management.

The Managing Director of SNGPL in his inaugural speech highlighted that the Authority has lack of quorum, pursuant

to Section 4(2) of OGRA Ordinance 2002 as stated:

“The Chairman and two other Members shall constitute a quorum for a meeting of the Authority requiring a decision by the Authority”

The Managing Director presented various letters written by OGRA to Deputy Registrar Judicial of Lahore High Court, Lahore showing its inability to conduct hearing of various appeal cases, due to the lack of quorum. He added that the hearing could not be conducted in the absence of required quorum as discussed above.

The Chairman was however of the view that the Authority is in Quorum and the proceeding of the hearing will continue.

The Chief Financial Officer gave a detailed presentation on the Final Revenue Requirement of the Company for FY 2012-13 and prayed for adjustment of Rs. 35,117 Million in the

Gas Development Surcharge based on auditor's initialed accounts or an increase in its Prescribed Price by Rs. 68.64 per MMBTU in each category of consumers.

After the presentation by CFO, the Chairman OGRA invited the interveners to present their point of view on the revenue requirement of the SNGPL. The public including various consumer group raised a number of queries. The queries were satisfactorily addressed by the Management of the Company.

The Authority after hearing all the interventions and their response by SNGPL declared the session closed and stated that the decision will be communicated after complete “in house” deliberations by the Authority of all the facts and figures provided by the Company and critiques raised by the public.

Syed Jawad Naseem
General Manager (R.A)



Gas losses

Challenge for endurance of SNGPL

Almost 50% of the Energy requirements of the entire country are fulfilled by supply of Natural Gas. Of this supply, 70% is provided by the two Gas Companies operating in the country. SNGPL alone supplies gas to more than 4.3 Million households which translates to more than 29 Million domestic users through a network of over 96,000 KMs. In addition to domestic sector, SNGPL supplies gas to Commercial entities, Industrial, Power, CNG and Fertilizer sectors, which are absolutely vital for the overall development of the Country. SNGPL does not operate like

a normal, profit making commercial entity. Unlike normal businesses of sale and purchase, the profit of SNGPL does not depend upon the sales of gas to consumers nor it is free to fix the price to be charged from consumers. In fact it is supposedly entitled to a fixed rate of return of 17.5% on its net operating assets. The operations of the Company take place within the overall framework of Pakistan's socio-economic realities and development imperatives, while it is providing this life sustaining fuel to over 4.3 Million Consumers, contributing to the progress of Country. Hence SNGPL

is a national asset and can rightly be called as *a backbone of the Energy Sector* performing functions of supreme national interests. The well being of such an asset is absolutely essential and a balance should be maintained between commercial viability and higher objectives to ensure un-interrupted supply of gas to even the poorest of the people of Pakistan. But certain decisions of the competent authorities had made its operations practically unviable and if the situation continues, the Company would turn into a sick unit, creating another burden on the

Country's vulnerable economy. This will further deteriorate Company's efficiency and will directly affect the consumers at large.

One of the most important factors that adversely affect Company's profitability is UFG (i.e. Unaccounted for Gas or in general, Gas Losses). ***"UFG is the difference between gas purchased and gas eventually supplied and billed to the consumers."***

Unaccounted for Gas is inevitable in any gas network as it depends upon various contributing factors however; such factors vary drastically among companies operating across the globe. As such there are no Universal Standards based on the local operating conditions for UFG. Unaccounted for Gas (UFG) is a complex phenomenon and varies considerably among different socio-economic, geographic and cultural environments. Though it is desirable for SNGPL that UFG should be kept at the minimum possible level, but the fact remains that it depends upon certain uncontrollable factors which have direct nexus with our Country's socio economic conditions, which pose extreme hindrance in reducing this menace. The phenomenon of UFG mainly depends upon the division (Sales Mix) of this valuable energy resource to different sectors of consumers. In recent years, the share of Retail sector, comprising of Domestic, Commercial and Small Industrial consumers (***the Sector having high percentage of UFG***) has progressively increased to the level of 77% which was only 55% in F.Y 2003-04, whereas there was no appreciable increase in Input from the gas sources.

Due to Government's social responsibility, further distribution development in domestic sector is continuing in areas where losses are comparatively higher. OGRA's UFG Benchmark does not address these critical issues.

Other uncontrollable factors are set out below:

- **Poor Law and order situation in some parts of Khyber Pakhtunkhwa:** It is almost impossible to control gas losses in these areas with the prevailing

law and order situation and no improvement seems likely in near future. Provision of gas to these areas is financially unviable for the Company, although it is a part of State's social responsibility.

- **Increase in Gas Prices** over the years.
- **Paucity of annual gas connection** targets compared with the applicants, owing to unprecedented expansion of gas networks in new towns and

"UFG is the difference between gas purchased and gas eventually supplied and billed to the consumers."

villages in pursuance of socio-economic agenda of Government.

- **Theft of Gas by un-registered users.**
- **Power outages** have adversely affected gas supply sector. Use of generators are affecting measurement and operation of our system, as they are not designed to cater for such heavy usage.
- **Less measurement** due to poor quality of locally manufactured domestic gas meters.

It is obligatory on the part of OGRA to lead the public utilities to gradually reduce the UFG losses through fixation of incentive oriented reasonable UFG targets. It is worthwhile to mention here that the permitted losses set by NEPRA for all power utility companies are ***incentive oriented and not penalty oriented***. The operating environment, for both power utility and gas utility companies is the same. A consultative process is required to be carried out with independent experts as well as the Company to fix the rational benchmark.

The Authority has never consulted any experts nor engaged the Company for meaningful consultations, for fixing optimal UFG Benchmark.

UFG is only one of the important performance factors. It is inappropriate that the total profitability of the Company goes into penalty for not performing well on one account. The Company has shown appreciable achievements in exceeding development targets while smoothly carrying out its operation and maintenance activities and provided round the clock service to its valued consumers despite paucity of Staff and Executives. In FY 2003-04, the gas network was only 38,284 KMs with the man power of one employee per 6 KMs, which is 95,449 KMs in FY 2011-12, registering an increase of 143% with only one employee per 10.5 KMs of network. Yet the Company is able to efficiently supply gas to over 4.3 Million consumers despite the huge Demand-Supply gap as compared to only 2.3 Million consumers in FY 2003-04.

The Company strongly feels that UFG Benchmarks should create a balance in interest of all stake holders including Company and must not be detrimental for the operation and very existence of Gas Company. ***Besides the stringent benchmarks, the Authority also disallows the following legitimate volumes from the Gas Sales:***

- Gas pilfered by unregistered users (non-Consumers)
- Gas lost in Law affected areas of Khyber Pakhtunkhwa
- Gas consumed for Company's own operations.

The reference / example of developed countries considered by OGRA while fixing UFG Benchmark is quite unjustified as operating conditions of their gas companies are not comparable with SNGPL and they are not facing uncontrollable factors as explained above.

Ms. Saher Mannan
Engr. (UFGC-N)

EDUCATING THE YOUTH



Gas conservation is an essential aspect of gas management, planning and its distribution. Its conservation and efficient usage is essential for saving the fast depleting natural resources while also paying less in gas bills.

SNGPL is currently facing 957 MMCFD shortage of gas. The gas shortfall is likely to increase to approximately 2,000 MMCFD by FY 2019-20. The Government of Pakistan is however planning to mitigate the same through import of Liquefied Natural Gas (LNG) and piped gas from Iran, along with increased exploration for indigenous gas. The gas conservation will also play a critical role in reducing this gigantic shortfall for which creating awareness among masses is essential.

In this regard, Media Affairs Department of SNGPL and Corporate Relations Department of WWF-Pakistan launched the GAS CONSERVATION Campaign for FY 2012-13 in the schools of Punjab and Khyber Pakhtunkhwa for the second consecutive year to educate the younger generation about this very cause.

In the FY 2012-13, a total of 35,000 students of private and 10,000 students of public schools from level one to level nine were educated in respect of energy conservation resources at the cost of Rs. 3 million. In this program, special booklets were designed in a way to give in-depth understanding of the importance of precious natural gas, efficient utilization and its conservation. The team of Media Affairs Department monitored the whole activity and

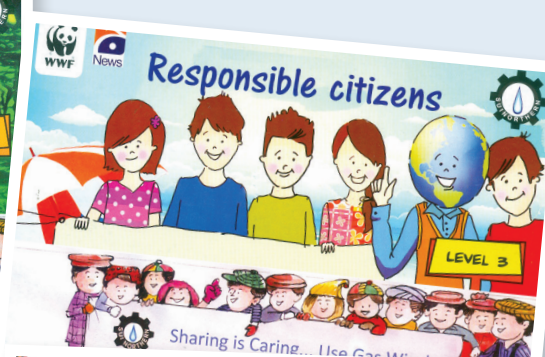
gave lectures in selected schools. Spelling tests were conducted at the end of program, to determine the extent of understanding of students. Special gift items with the logo and message of SNGPL were given to the students who did well in their SPELLATHON test.

The core features of the program included the following:

- Never allow Children to operate gas stoves.
- Playing with gas meter or pipe is dangerous.
- Always keep geyser on warm and install a conical baffle to avoid excess use of gas or use instant gas geyser to save gas and avoid high gas bills.
- Avoid Gas heaters in all circumstances as they are not good for health. Stay warm with warm clothes.
- If there is smell of Gas in your room, open all doors and windows, call 1199.
- Never switch ON/OFF the lights, fans or any other electrical appliances to avoid mishaps in case of Gas leakages.
- Turn off all gas supplies before going to sleep and never use Rubber pipes with Gas Appliances.

Mr. Umar Saadat

Coordinator Public Relations





"Spellathon gives courage and acts as a platform for the students to participate from all across Pakistan. It is the best way to enhance knowledge on various environmental issues such as energy conservation. It was an amazing experience which let us get familiarized with new words and improved our vocabulary skills as well."

M. Nouman Abbas
Lahore Grammar School, Paragon Lahore

"It was an amazing experience for me! The stories related to energy conservation were very captivating and informative. I appreciate the support rendered by SNGPL to help WWF with this amazing campaign. Spellathon Competition improved my dictation abilities"

Tabish Ali-Froebel's
International School, Lake City, Lahore



"Being a part of Spellathon I realize that although the role and contribution I made was small – but I am a small part of something really great! This feeling is something that is a source of great pride in me. Spellings have to be learnt anyway but learning them with WWF will give you experience, awareness and a sense of achievement. So thank you to WWF – Pakistan and SNGPL!"

Maryam Saleem
Lahore Grammar School 55 Main



"Spellathon is very interesting spelling competition. I am taking part in Spellathon from grade 4 and this year the story was based on energy conservation. The booklets had attractive and colorful pictures. Most exciting component of Spellathon is gifts and the prizes that the students get. I appreciate SNGPL to help WWF with this amazing campaign."

Mustafa-Hamid
Beaconhouse School System
(Garden Town Branch)



"Spellathon is a fun spelling competition organized by WWF – Pakistan. Spellathon includes various stories which give an insight into ways to overcome environmental problems with pictures. The fabulous prizes given by WWF – Pakistan and SNGPL, act as an incentive that triggers a desire in the students to win this prestigious competition. In my opinion Spellathon is a fun learning experience with students participating from all over Pakistan."

Fahad Khan
The City School A Level Ravi Campus



"Spellathon is a very fun filled learning activity for the kids. This year WWF collaborated with SNGPL and provided Spellathon booklets to the students which comprised of informative environment based stories on energy conservation. The booklets had attractive and colorful pictures. Most exciting component of Spellathon is gifts and the prizes that the students get. These gifts and booklets act as an excellent incentive for the children to learn and also add extra excitement to the entire WWF experience."

Aleena Hassan
Lahore Grammar School 55 Main



Laying of Gas Pipeline for transportation of imported RLNG to Punjab

For overcoming energy shortages, the Government is working on various options and importing Liquefied Natural Gas (LNG) is a corner stone of its efforts for early solutions to the energy problems that the country is facing currently. With a successful history, Turkey has been our partner in developing various infrastructure projects in Pakistan. To explore the possibility of investment and cooperation for laying a Gas pipeline; a leading Turkish Company M/S Global Energy Infrastructure (GEI); on the directives of the Ministry of Petroleum and Natural Resources, recently held an exploratory meeting with SNGPL Management.

A formal presentation was arranged for the GEI team highlighting various phases of the planned system augmentation in the current SNGPL pipeline infrastructure in various phases that would be required to transport additional Natural Gas; including Re-Gasified Liquefied Natural Gas (RLNG).

In continuation of their earlier interaction with the Government of Pakistan, the GEI team proposed laying of a South to North dedicated Natural Gas pipeline with a capacity of 1.5 to 2.0 BCFD, for transporting RLNG directly from Port Qasim to a suitable tie-in point within SNGPL network in Punjab. They also showed interest in forming a JV with SNGPL for operating and maintaining the proposed pipeline and requested SNGPL's assistance and guidance for licensing and regulatory compliance for the project. Managing Director SNGPL thanked the GEI delegation for their keen interest and committing their investments for this pipeline project. He also assured them for all possible



assistance for this critical infrastructure project; that would address the Energy problems of the country.

Kashif Siddiqui
General Manager (LNG)

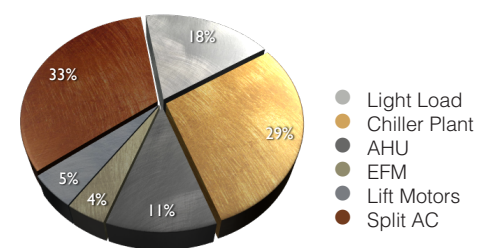
Call for Change

Prevailing energy crisis have pushed the people around the world to look for the alternate / renewable energy resources to fulfill the rising demand and to overcome the scarcity of currently available resources. This wave of change spurred the newly elected Government of Pakistan to take initiative concerning energy conservation and they started it from the very own government entity 'The Parliament House'. In this regard, the Speaker of The National Assembly (NA) Mr. Ayyaz Sadiq, called on several organizations from public and private sectors to nominate their representatives to carry out the Energy Efficiency Audit of The House and suggest a viable energy conservation plan in order to convert the House into a Green House. The audit includes both the thermal and electrical aspects. Unfortunately there are no specialized persons in Pakistan to perform thermal audit and it was suggested by the numerous team members to hire a foreign consultant to carry out this task. Hiring a third party consultant was a huge financial expense which was not possible instantly, keeping in mind the critical financial conditions of the elected Government. Observing the situation, the nominated executive engineer from the SNGPL volunteered to carry out the complete energy efficiency audit for this national cause which was appreciated by the chair person, who then elected the SNGPL's representative as the focal person for the project.

The work started and the project team spent few days in computing the connected electrical and thermal load of the premises. Frequent visits were made from Lahore to Islamabad,

for this purpose. It took hours and days of extensive working in the House to calculate the detailed load, in order to suggest a comprehensive and effective energy conservation plan for the building. Thermal loads, covered area, sun exposed / glazed area, refrigeration requirements and installed refrigeration capacity of the NA building were the major calculations carried out by SNGPL team prior to proceeding further in the matter. Electrical loads, number of lights, bulbs, fans, personal computers, split air conditioners, elevators, electrical motors etc installed in the building were all listed and their power consumptions were measured.

Sr.No	Description	Load (Kw)
1	Light Load	623
2	Chiller Plant	977
3	AHU	355
4	EFM	133
5	Lift Motors	179
6	Split AC	1101
Total Load		3368



After acquiring all the basic data, broad analysis was carried out. It was observed that 81% of the total load was inductive and only 19% was the lighting load. This 81% was further bifurcated into several loads but the two major loads were the chiller plant (29%) and the Split AC (33%). Efficiencies of all the installed equipments were calculated. Loop holes in the system were diagnosed and feasible solutions were derived after comprehensive review of all available options. Several visits were made to the site to observe the discrepancies in the installed system.

During the calculations of the loads, conditions of the installed equipments were also observed. The equipment which was defective and became the primary reason of high electrical and thermal losses was the Air Conditioning Plant (Steams Driven Chillers) of the House which was under the custody of a third party contractor, appointed by CDA. Installed natural gas boilers for steam generation were also working at 65% efficiency only, much below their designed efficiency of 85%, causing natural gas losses. Total Air Conditioning requirement of the building (1440 RT) was far less than

the installed chillers capacity (765 RT* 2 = 1530 RT). Additional 611 Tons of Split Air Conditioners were also installed in the building to acquire the required temperature in the cabins and offices, which means redundant installed capacity. This redundancy primarily arose due to inefficiency of the chillers which were working at only 35-45% efficiency and were being completely overlooked in the House. Due to its inefficiency, the consumptions of Natural Gas and Electricity has raised to the peak levels, resulting in huge financial losses to the Government and the Nation as well. Monthly Natural Gas and Electricity consumptions were calculated on the basis of their monthly utility bills.

the chillers' performance. Filtration process was also carried out by cutting the heat exchanger of the chiller to remove the blockage of its tubes. Samples of Lithium Bromide Solutions were sent to the authorized laboratories to conduct several tests including the measurement of Specific Gravity and pH of the solution. TDS (Total Dissolved Solids) test of the water being used in the chillers was also conducted. This resulted in around 10-15% increase in efficiency, lowering down the internal temperature of the building saving some of the electricity being consumed by the Split ACs. Besides this, maintenance proposal for the highly efficient new chiller system was also provided for future replacements.

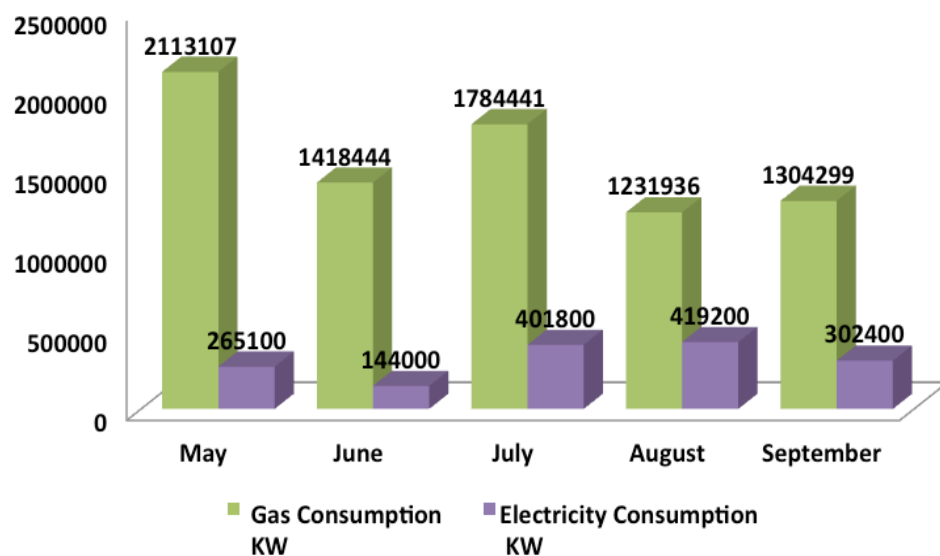
hybrid with the Government electrical supply was advised by the SNGPL representative.

It will be highly beneficial for The Parliament House to implement this plan because in this case they can import / export electrical energy to cut down their electrical bills when produced solar power excess energy is not utilized by their own building. This one time capital investment will lead to longer term advantages.

Our proposals for the implementation are under process and soon will be presented to the Speaker National Assembly for his approval and further instructions.

Shahid Shoukat
Exec. Engr (D-S)

Month-2012	Gas Consumption KW	Electricity Consumption KW
May	2113107	265100
June	1418444	144000
July	1784441	401800
August	1231936	419200
September	1304299	302400



Observing and diagnosing all the shortcomings stimulated the SNGPL team to provide feasible remedies for all the facing problems. In this regard, step by step measurements were briefly explained to the chair person (Speaker National Assembly), which he appreciated. In this matter, the first step taken was the repairing and de-scaling of the chillers. De-scaling & filtration of all the parts (Absorber, Condenser and Evaporator) of the chillers was carried out to remove all the scaling and unwanted sediment from the chillers' body which were the prime cause of the reduction of

The proposal comprised of the best prices offered by several companies around the world with a minimum payback period. In addition to the improvement in thermal efficiency of the building equipments, alternate electrical energy (Solar Panel System) proposal was also placed in front of the committee. Suggestions for Energy Saving Devices (ESDs) were also in place for the improvement of currently installed electrical equipments (lifts, induction motors, etc).

Moreover the suggestion to install On-Grid (Grid-Tied) Solar Panel System



Interactions



Mr. M. Arif Hameed, Managing Director SNGPL, sharing views with BBC Urdu Correspondent during an interview.



Mr. M. Arif Hameed, Managing Director SNGPL, in a meeting with Dr. Javaid Akram and Dr. Shahla Akram, President Women Chamber of Commerce.



Mr. Shah Farma, Minister for Public Health Khyber Pakhtunkhwa discussing Gas issues in a meeting with M.D. SNGPL.



Mr. M. Arif Hameed, Managing Director SNGPL, with Farrukh Baseer, Correspondent Dunya News during an interview.



Mr. M. Arif Hameed, Managing Director SNGPL, sharing his views on Gas Load Management with Ms. Henna Saeed, Correspondent, News Asia Network.

EXCHANGE OF EID GREETINGS

AT HEAD OFFICE – EID-UL-FITR & EID-UL-AZHA



A cordial ceremony is held at SNGPL Head Office on the first working day after Eid holidays to exchange Eid Greetings. To live this tradition, the Senior Management, all executives, and employees of the Company exchanged

Eid greetings with traditional hugs and wishes at the Head Office. This traditional get together provides an opportunity to the employees to interact with each other along with the members of Senior Management. It builds an atmosphere of

equality and harmony at work place. A tea party was also arranged at the get together.

Mr. Ali Raza Awan
Media Affairs Expert

Independence Day Celebrations



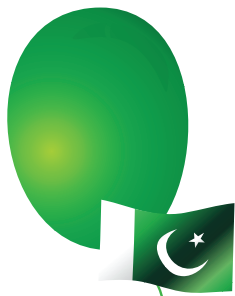
SNGPL celebrated the 66th Independence Day at the Head Office, all the Regional & Sub-Regional Offices. A flag hoisting ceremony was organized at the Head Office. All SNGPL offices were colorfully decorated with banners, buntings, National Flags and balloons in green and white color, while the National Anthem was played.

The Deputy Managing Director, SNGPL, Mr. Amer Tufail hoisted the flag and addressed the employees. He said that we have to work hard with commitment, dedication and

enthusiasm while putting forth our best not only in the growth of SNGPL but the Country as a whole. He urged the employees to adhere to Company's code of conduct, with special focus on integrity, ethics, values etc, while executing their day to day responsibilities.

At the end of the ceremony, Deputy Managing Director, Mr. Amer Tufail, distributed the presents among the children of the employees, who came to attend the ceremony.

Mr. Ali Raza Awan
Media Affairs Expert



WORKSHOPS ON FIRST INFORMATION REPORT



One of the greatest challenges in successfully operating a Gas Company related to utility services is to effectively deal with “non-technical losses” – a euphemism for theft – of utility services. These are primarily due to illegal connections to existing networks, tampering or bypassing with metering equipment or refusal to pay for service. It causes a significant challenge to the viability of a Gas Company's projects and hinders development of infrastructure to under-served areas while compromising quality of service. Ultimately, the burden of these losses is picked up by such customers that are already paying their bills in form of higher tariffs and by the exchequer through subsidies.

The Government of Pakistan has taken a combination of legal and practical measures to address the menace of gas theft. It has enacted legislation specifically recognizing the gas theft as a separate criminal offence by amending Pakistan Penal Code and the Criminal Procedure Code. Sections 462-B to 462-F illustrate various gas theft offences and their punishments. This enabled officers of the utility companies to search for illegal connections, gather evidence, seize instruments and devices used for the illegal connections, while

lodging complaints with the police for prosecution. It has also made theft of gas a cognizable offence punishable by up to fourteen years in prison, which enables the police to make an arrest without a warrant.

The Company had earlier been campaigning to capture those who are involved in the criminal practice of stealing gas, but due to ignorance of new gas theft laws, weak FIRs were lodged against the gas pilferers and subsequently investigations were not properly followed.

In order to curb the practice of gas theft and pilferage and to punish the culprits involved, Legal department initiated a series of training workshops to educate and train the Company officials for effective registration of FIRs and follow up of investigation in the light of Criminal Procedure Code, 1898.

Team of Legal Department conducted very informative one day training workshops on “First Information Report” at SNGTI on 28th June, 04th July, and 23rd August. Based on effective outcome of these trainings, designated teams have started a series of Regional Trainings for all 13 regions of the Company. In

first round, trainings have already been conducted at Peshawar, Abbottabad, Multan and Bahawalpur Regions.

The Executives and Subordinates from each region are participating in these training with visible enthusiasm and interests. Major issues and important cases were discussed during training sessions in detail. In order to make it more effective and result oriented, officials from FIA and Police were also invited from the respective regions. The aforementioned training sessions were highly interactive in which different problems and challenges were highlighted and discussed in order to find solutions to the legal issues.

Detailed discussions with Company officials along with officials of law enforcement agencies have opened new horizons for SGNPL's campaign against gas theft. FIA and Police officials were pretty open for cross exchange views regarding the working procedures and Company's policy in the light of Criminal Laws of Pakistan.

Amjid Ikram Mian

Dy. Chief Law Officer, Head Office

Visit of National Management Course participants to SNGPL Head Office

The participants of the 99th National Management Course organized by the National School of Public Policy, Lahore visited SNGPL Head Office on 12.09.2013. The delegation comprised of ten Senior Officers from different departments of the Pakistan Administrative Service. The aim of this visit was to acquaint themselves with the operations of the Company business while getting an insight into the issues being faced.

Senior Management of the Company welcomed the delegation. SGM (CSS) alongwith SGM (D-S), SGM (HR) & GM (Sales) made a detailed presentation to the course participants. The presentation inter-alia provided the Company profile and the growth pattern over the years especially in the consumer base and network. Financial highlights alongwith details of various projects undertaken by the Company to enhance its network and transmission capabilities were also divulged. The present demand and supply position was discussed in detail alongwith future projects.

The presentation was followed by a question answer session, wherein, the participants asked a number of questions relating to our business. In the end, Rai Ijaz Ali Zaigham, Directing Staff, on behalf of the National School of Public Policy thanked the SNGPL Management for providing the opportunity to visit its HO and the detailed presentation. A souvenir was also presented on the occasion to SNGPL Management.

Shahid Maqsood
Chief Officer (Sales)



RETIREMENTS

Brig (R) Zulqurnain Ahmed 9 dedicated years in SNGPL



Brig. (R) Zulqurnain Ahmad bid farewell to the Company on October 11, 2013 after over 9 years of meritorious service in the capacity of General Manager Logistic Support, General Manager Human Resource, Senior General Manager Human Resource, Senior General Manager Customer Services and Senior General Manager Central Shared Support, his recent assignment. The services were marked with honesty of purpose, dedication to duty and loyalty to the organization.

Mr. Zulqurnain Ahmad was born in 1953. He got his primary and secondary education mostly in the Missionary Schools in Army cantonments of Rawalpindi, Jhelum, Kharian, and Quetta. He did his Intermediate in Science from FC College, Lahore in 1970, and got his Master's degree in Political Science, subsequently he earned another Master's in Defense and Strategic Studies from Quaid-i-Azam University, Islamabad.

Mr. Zulqurnain Ahmad joined Pakistan

Army at the age of 18 in 1971. He served in the Infantry and rose to the rank of a Brigadier in 1995, when he commanded an Infantry Brigade and a Military Garrison at Badin Cantt. He has also been employed as a trainer in Pakistan Military Academy, Command & Staff College, Quetta. He retired in July 2003 after 32 years of service in Army. He was awarded Sitara-i-Imtiaz for meritorious service.

In June 2004, Brig (R) Zulqurnain Ahmad joined SNGPL as General Manager Administration. He continued to work hard and proved his mettle in a number of departments as General Manager Admin, General Manager HR, Senior General Manager HR, Senior General Manager Customer Services (CS) and Senior General Manager Central Shared Support (CSS).

Brig (R) Zulqurnain Ahmad is a sportsman who is fond of squash, tennis, horse riding and swimming. Being an active and adventurous person, he likes gliding, sea diving, mountaineering and

loves to travel inside the country and abroad.

A farewell ceremony was held on the eve of his retirement. The worthy Managing Director and Deputy Managing Director presented bouquet and souvenirs to Brig (R) Zulqurnain Ahmad in recognition of his commendable services for the Company.

Message for SNGPL employees

Brig (R) Zulqurnain Ahmad feels that SNGPL is a wonderful organization providing essential services to a large population. He is of the view that all the employees need to put in more effort to come up to the expectations of the Company. He adds that the job market is becoming very challenging and we need to inculcate self discipline and prove our worth. "I believe in first deserve then desire", he said.

Mr. Ali Raza Awan
Media Affairs Expert

RETIREMENTS

Mr. Umair Khan

General Manager HR



Farewell to Mr. Umair Khan,
General Manager HR



Mr. Arif Hameed, Managing Director SNGPL greeting Brig (R) Zulqarnain Ahmad,
SGM (CSS) and Mr. Umair Khan, General Manager HR on their retirement.

Mr. Muhammad Aslam

Senior Accountant



Farewell to Mr. Muhammad Aslam, Senior Accountant

Mr. Muhammad Younas

Supdt Admin (Project Head Quarters)



Farewell to Mr. Muhammad Younas Chudhary,
Supdt. Admin (Project Head Quarters)

FOREIGN DELEGATIONS VISITED SNGPL

Meeting with Turkish delegation on LNG Pipeline Project - September, 2013



Meeting with Russian delegation - October, 2013



Inauguration of Newly Constructed Director's Lounge



On the 2nd of August, 2013, an opulent and auspicious Director's Lounge established on the 7th floor of SNGPL's Head Office building was inaugurated by Mian Misbah-ur-Rehman, Chairman Board of Directors. The Members of the Board and the Senior Management were also present at the inception. The Lounge provides comfortable sitting and relaxing area for the members of the Board of Directors before and after the Board Meetings, as well as a place to discuss important issues. The Lounge can accommodate upto 18-20 guests/members for refreshment and meals. Large screen LCDs have been placed in the sitting area as well as in the dining room of the lounge. A professional interior decorator was hired for the entire decoupage of the lounge. Wi-Fi / Internet facility and Laptop have also been provided for the convenience of the Board of Directors. Before the establishment of the Lounge, the Directors did not have an appropriate place for conducting their official business, while they visited the Head Office.

Sajid Ali Hameed
Admin Officer



ACHIEVEMENTS

Mr. Muhammad Aakash Bin Nasir



The Following Executives of the Company were nominated and sponsored for a four months diploma in Human Resource Management from Pakistan Institute of Management (PIM) by the Company in March, 2013.

1. **Mr. Muhammad Aakash Bin Nasir,**
Officer (HR), Head Office
2. **Mr. Zia-ul-Islam,**
Admin. Officer, Grade-III, Head Office
3. **Mr. Farhan Sattar Ansari,**
Admin. Officer, Grade-III, Kasur

Twenty two candidates from Government, Public and Private Sectors (few organizations are mentioned below) participated in this diploma.

1. **Pakistan Army**
2. **Sui Northern Gas Pipelines Limited**
3. **LESCO**
4. **Government of the Punjab,**
(IT Labs / Laptop Project)
5. **Punjab Education Foundation**
6. **Shakarganj Food Products Limited**
7. **Eden Builders**
8. **Jubilee Life Insurance**
9. **Hush Puppies**
10. **United Foams**
11. **Shalamar Medical & Dental Hospital**

Mr. Muhammad Aakash Bin Nasir secured 1st position in this program with a score of 78.50% and a special "Letter of Appreciation" has been issued to him by the institute in this regard.

Muhammad Umair Khan
General Manager (HR)

Mr. Asad Mumtaz



Asad Mumtaz son of Amjad Mumtaz, Chief Engineer (Corrosion Control), Lahore made a remarkable achievement by securing 1047/1100 marks in Intermediate Examination of BISE Lahore in Year 2013. Asad Mumtaz, a student of F.Sc (Pre. Engineering) in Govt. College University Lahore, achieved the highest ever score in Punjab during the last 10 years. He wants to become a professional Mechanical Engineer in future."

Mr. Amjad Mumtaz
Chief Engr. (Corrosion)

Syed Usama Javaid



Syed Usama Javaid son of Syed Ahmed Javaid, Compliance Officer Billing, Islamabad, obtained 922 Marks in his SSC Annual Examination 2013 from Federal Board of Intermediate & Secondary Education Islamabad and Secured First Position in Boys from the Educator School G-11 Islamabad. We congratulate him on his great success and wish him good luck for his bright future.

Syed Ahmed Javaid
Compliance Officer Billing (Islamabad)

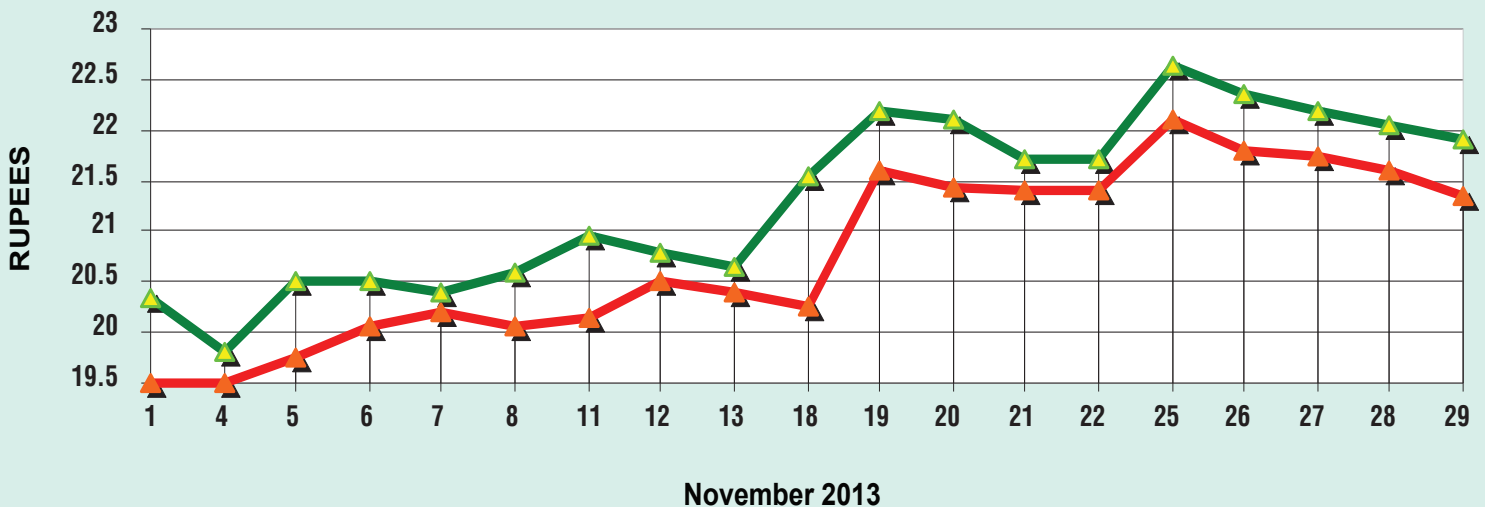
Executive Development Program (EDP)



Mr. Arif Hameed, Managing Director SNGPL, addressing on the occasion of EDP batch meeting on September 20, 2013.

SNGPL's Share Price Watch September 2013

Period	Rate / Rs			
	Opening	Closing	High	Low
1st & 2nd Week	20.26	20.98	21.69	19.55
3rd Week	20.98	22.23	22.99	20.63
4th Week	22.23	21.91	22.61	21.50
5th Week	21.91	20.62	22.54	20.25





NUST INVITES SNGPL TO THEIR JOB FAIR / OPEN HOUSE

In response to a request from Dean of School of Chemical and Materials Engineering Department (SCME) NUST, our team visited the facility under supervision of Muhammad Nazir, Dy. Chief Engineer (Corr.) Islamabad for participation in the job fair.

The students were briefed about the working and usefulness of Pipeline Current Mapper (PCM), Direct Current Voltage Gradient Equipment (DCVG),

Laser Spectra Underground Gas Leak Detector and Ground Penetrating Radar (GPR). SNGPL's briefing was highly appreciated by Dr. Shahid Hassan, Head of Department (SCME) and students present in the fair.

Various issues including Coating Fault Detection, Impressed Current Cathodic Protection, Sacrificial Anode Systems etc were also discussed with faculty. The possibility of R&D for Remote CP

Monitoring, selection of durable cost-effective coating material for smaller dia distribution lines, etc., by Graduate and Under Graduate students came under discussion. It was agreed that the introduction of subject, Pipeline Corrosion Methodologies, at such prestigious forum shall prove useful for the promotion of department and Company.

Muhammad Nazir

Dy. Chief Engr. Corrosion, Islamabad



TRAINING ON PPRA RULES AT SNGTI



Mr. Nadeem Ashraf, General Manager (Procurement), conducted a training course on PPRA Rules

Sleep 'Detoxes' The Brain,

New Research Suggests



When you sleep, your brain undergoes a mop-up process that removes waste products linked to Alzheimer's disease and dementia, according to new research published recently in the online version of *Science*.

A team of researchers at the University of Rochester Medical Center (URMC) used high-tech imaging to look deep into the brains of mice and discovered that the brain functions differently while asleep than awake, ridding itself of accumulated proteins at a much faster rate (Researchers use mice brains because they're considered surprisingly similar to human brains).

Led by Maiken Nedergaard, M.D., who co-directs the URMC's Center for Translational Neuromedicine, the researchers discovered that a waste-draining system they call the "glymphatic system" is ten times more active during sleep than while awake. This nocturnal cleaning system removes proteins called amyloid-beta, which accumulate into the plaques that contribute to Alzheimer's disease and dementia.

Nedergaard and her team coined the term "glymphatic system" last year, when they used new imaging technology known as two-photon microscopy to discover a scrubbing process taking place around brain cells, known as glial

cells. The mechanism of this cleanup process is fascinating: Nedergaard and colleagues found that cerebrospinal fluid flows through the spaces between neurons, flushing proteins and other neural waste into the circulatory system and away.

In this year's research, they discovered that not only does the "glymphatic system" kick into high gear only during sleep, but it also mops up significantly more of the toxic protein amyloid-beta, considered a primary culprit in Alzheimer's disease. Again using two-photon microscopy, the researchers looked at the timing of this flushing process and discovered that brain cells contract noticeably during sleep, thus expanding the areas between brain cells by as much as 60 percent. With brain cells smaller and the space between them larger, there's more room for the cerebrospinal fluid to move freely.

Likening the changes during sleep to "turning on a faucet," Nedergaard says it appears that a sleep state is necessary for this "active clearance of the by-products of neural activity" to take place. This would offer a convincing explanation of why sleep has such an essential restorative function, she says.

The discovery of the brain's nocturnal cleaning service, coupled with previous research out of Washington University showing that levels of beta-amyloid drop during sleep, could open up new avenues of prevention and treatment for Alzheimer's disease and dementia, experts say. Previous research found that depriving mice of sleep led to accumulation of amyloid-beta protein, also in mice. A few years ago, a New York Times report suggested that new insights into how some people's brains hold on to beta-amyloid plaques more than others offered new hope for Alzheimer's disease breakthroughs.

I've written before about the dangerous effects of sleep loss on your health, including elevated risk of stroke. Now we'll need to add the possibility that sleep loss – and possibly sleep problems such as apnea – could increase your risk of Alzheimer's and dementia.

Courtesy of **Melanie Haiken**

Health, Safety and Environment (HSE)

Health Care Awareness & Medical Screening Camp

at Lahore Distribution-2013



Health care awareness and medical screening camp was organized by HSE Department for two days on 19th and 20th September 2013. On spot health screening was carried out for the following:

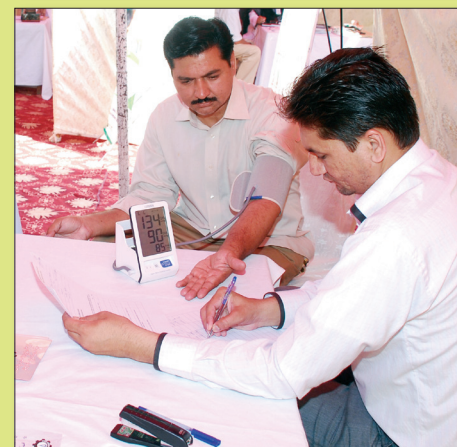
1. Hypertension
2. Diabetes
3. Hepatitis B and C
4. Lungs Function Test
5. Eye Refraction
6. General Medical Examination

Lungs function testing of welders, painters and those who are exposed to dust, fumes and vapours was carried out to rule out any occupational/work related illness among the exposed ones. It was supported by the general medical examination stall where the medical/ occupational history and clinical examination was carried out. Food handlers were also given de-worm tablets to ward away intestinal worms communication to those to whom they serve the food.

A stall displaying Personal Protective Equipment (PPE) was attended by large number of employees, where they were briefed by HSE Engineers about importance of using PPE and method of using them.

The response of the employees was very encouraging for HSE department to hold such events at other Distribution sites as well as to raise awareness about work related (Occupational lung diseases etc), Communicable (Hepatitis B & C etc) and Non- Communicable diseases (diabetes, hypertension and obesity etc). Employees interest provided an opportunity for promoting awareness about the general HSE related initiatives.

Dr. Huma Tabassum
OH Consultant



Road Safety Awareness

Issuance of Driving Licenses

HSE department, in coordination with the City Traffic Police, Lahore carried out a full day activity at Head Office for issuance of driving licenses. It was made part of the HSE department initiative of promoting road safety awareness among the Executives and Staff of SNGPL.

Team of City Traffic Police officials visited SNGPL Head Office on May 29, 2013 for making learner licenses of interested employees. Around 150 learner licenses were issued on the day.

The team again visited SNGPL Head Office on September 23, 2013 for carrying out necessary road test and interview which is a pre-requisite for issuance of valid driving license. Around 60 persons participated in this interview/ test.

Feedback from the executive and staff is very encouraging and it is expected that this exercise will continue for imparting road safety awareness.

Ms. Asma Maqbool
HSE Engr. (HO)



Emergency Evacuation Drill

at Head Office

As part of compliance to Company's commitment of maintaining effective HSE practices, an emergency evacuation drill was held on 20.08.2013 at SNGPL Head Office. The purpose of this drill was to create awareness among our employees regarding coordinated, quick and smooth evacuation from Head Office building in case of any emergency such as fire, explosion, sabotage, bomb threat etc.

For the purpose of smooth evacuation and safety of the employees, a new emergency exit has been constructed at a cost of Rs. 10 million and handed over to Civil Department after its quality assurance check. This emergency exit, through steel stairs, originates from rear side of each floor.

During evacuation, the employees were encouraged to evacuate Head Office building by using the old as well as the newly constructed emergency exit. However, it was satisfactorily noticed that employees including Senior Management preferred to evacuate using the new emergency exit.

The time taken to evacuate the building was 6 minutes approximately. The employees were assembled at one location only. Play cards were used to assist the employees to assemble with their department for easy attendance and head count. The exercise was efficiently conducted and appreciated by Management.

Irfan Ahmad
Executive Admin Officer (Security)



Demonstration of Emergency Response Plan (ERP)

Faisalabad Region



ERP Procedure covers the guidelines for responding in case of any emergency (Fire, Gas leakage, Rupture, Explosion, Earth Quake, Flood, Bomb Threats, Civil Disaster and Natural Disaster etc). In order to improve the effectiveness of ERP, Mock Drills and Practical Demos are carried out to check the compliance of condition of emergency handling equipments while educating the office staff as to 'how to act / behave during such emergency conditions'.

Practical Demo of ERP was conducted at Faisalabad Region on 11.09.2013 in co-ordination with RESCUE 1122. Before

the Demo, a comprehensive training session was conducted by RESCUE 1122 for our Fire Fighting team and Emergency Duty Clerks (EDCs). During this Demo/ Mock exercise, Evacuation Drill was conducted which was followed by Fire Fighting and First Aid Drill.

During evacuation drill, Emergency Alarm was sounded at 1030 Hrs. On hearing the sound of Emergency Alarm, all the occupants were evacuated including HSE Focal Person (GM-FSD (D)) and all sectional In-charges, who then mustered at designated Assembly Points. Evacuation time was about 05 minutes. After evacuation, Fire Fighting

and First Aid drills were carried out in co-ordination with RESCUE 1122. HSE Focal Point and RESCUE 1122 appreciated the overall execution plan of ERP.

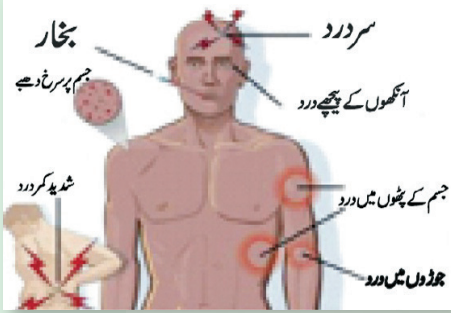
At the end of Mock Drills, a meeting was conducted with RESCUE 1122 team by General Manager (FSD-D).

Muhammad Qasim
Engineer HSE, FSD-D



سوئی ناردرن گیس پائپ لائنز لمیٹڈ

ہیلتھ سیفٹی اینڈ انوائرنمنٹ ڈیپارٹمنٹ



ڈینگے بخار

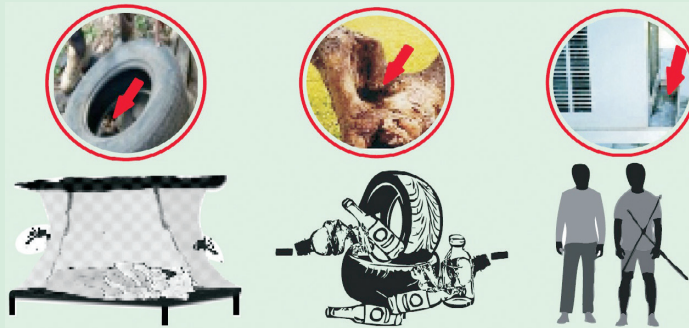


ڈینگے بخار کی علامات

ڈینگے بخار کی علامت شدید فلو جیسی ہوتی ہے، جس میں تیز بخار اور جسم میں شدید درد ہوتا ہے۔ اس کے علاوہ مندرجہ ذیل علامات ہو سکتی ہیں۔
بھوک نہ لگنا، آنکھوں کے پیچھے شدید درد ہونا، پٹھوں اور جوڑوں میں شدید درد، جسم پر دھبوں کا نمودار ہونا، سانس لینے میں دشواری ہونا، رنگت پیلی ہونا، پیٹ میں درد اور تھکاوٹ وغیرہ۔

ڈینگے بخار سے بچاؤ کی تدابیر

- 1- صبح نماز فجر اور مغرب کے اوقات میں انتہائی احتیاط ضروری ہے۔ ان اوقات میں اور رات کو سوتے وقت اپنے جسم ڈھانپ کر رکھیں اور چھرمار دوائی جسم پر لکھیں۔ (صبح 4 سے 8 بجے اور شام 5 سے 7 بجے تک)
- 2- کمرے میں چھرمار پرے اور چلیں وغیرہ کا استعمال کریں۔
- 3- اپنے ارد گرد گندہ یا صاف پانی جمع نہ ہونے دیں۔
- 4- اپنے ارد گرد گھلوں، پودوں، ڈیزرٹ کولر اور کھلے برتنوں میں پانی جمع نہ ہونے دیں۔
- 5- تمام صاف پانی والے برتن ڈھانپ کر رکھیں۔
- 6- علاقے میں سپرے کی صورت میں اپنے گھر کے دروازے اور کھڑکیوں کو کھلی رکھیں تاکہ دوائی گھروں میں داخل ہو سکے۔
- 7- اپنے دفتر اور گھر کے تمام دروازے اور جالیاں باقاعدہ بند رکھیں۔
- 8- تیز بخار کو روکنے کیلئے پانی کی پٹیاں کریں اور نزدیک ترین ڈاکٹر سے فوراً رابطہ کریں۔
- 9- ڈینگے بخار ہونے کی صورت میں خون کا ٹیسٹ باقاعدہ کروائیں۔
- 10- بغیر کسی خاص وجہ کے اپنے گھر سے نہ نکلیں۔
- 11- صبح نماز فجر اور مغرب کے وقت پارکوں اور باغات میں جانے سے گریز کریں۔
- 12- ڈینگے مریض کے ارد گرد جالی (Net) لازمی لگائیں۔

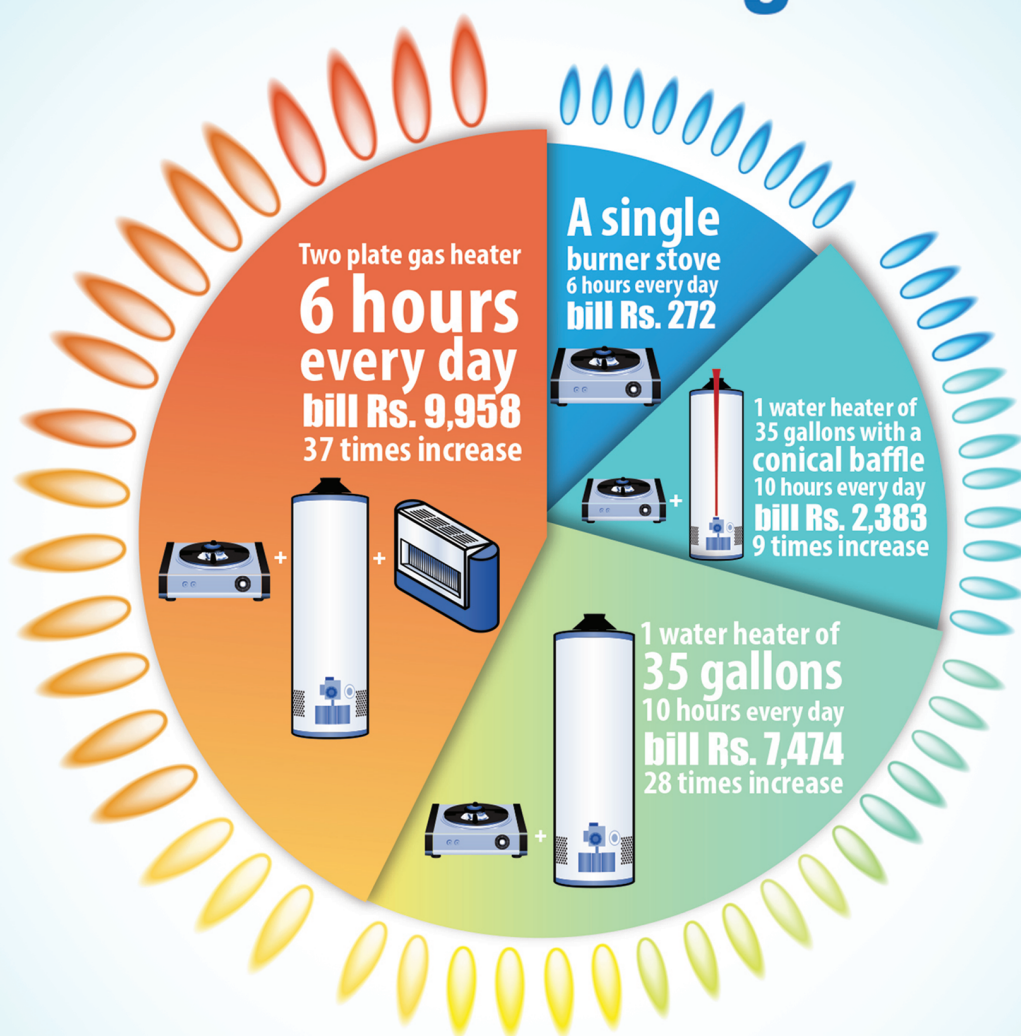


- 1- مریض کا ٹیپرچر 102°F سے کم رکھیں۔ مریض کو بھرپور ایٹا مول دیں مگر 24 گھنٹے میں 4 سے زیادہ نہیں۔ 2- مریض کو آرام مہیا کریں۔
- یاد رہے کہ: مریض کا سپرین یا ٹیڈن ہرگز نہ دیں۔
- مریض کو اس کی نازل خوراک کے ساتھ ساتھ زیادہ مقدار میں پانی، تازہ پھلوں کا جوس، سوپ اور دودھ دیں۔
- یاد رکھیے۔ آپ کا تعاون آپ کی اور دوسروں کی زندگی بچا سکتا ہے (شکریہ)

مریض کے خاندان کیلئے ہدایات

Health, Safety & Environment Department
Sui Northern Gas Pipelines Limited

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