



Sustainability
is in our
Hand



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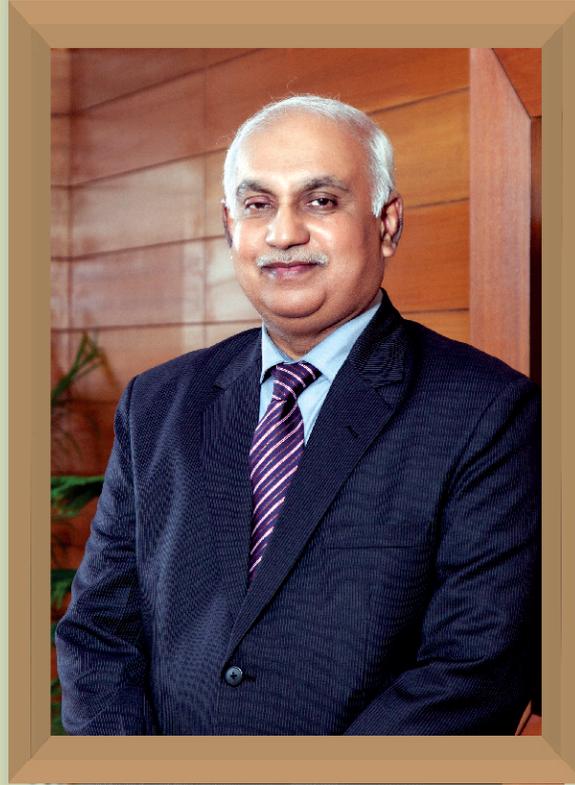
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FOREWORD BY MANAGING DIRECTOR

I am pleased to present our 3rd Annual Sustainability Report exhibiting the progress we have made in the fields of Environment, Health, Safety and Corporate Social Responsibility. Earning and maintaining the trust of consumers and the communities we operate in, is at the heart of all of our activities.

SNGPL being a leading integrated natural gas provider in the region, always emphasize on the methodical and systematic transmission and distribution of the natural gas. As our business has grown over the years, we have expanded our support of projects relevant to local communities. We are committed in investing our time, expertise and resources to help, develop and maintain vibrant and sustainable local communities.

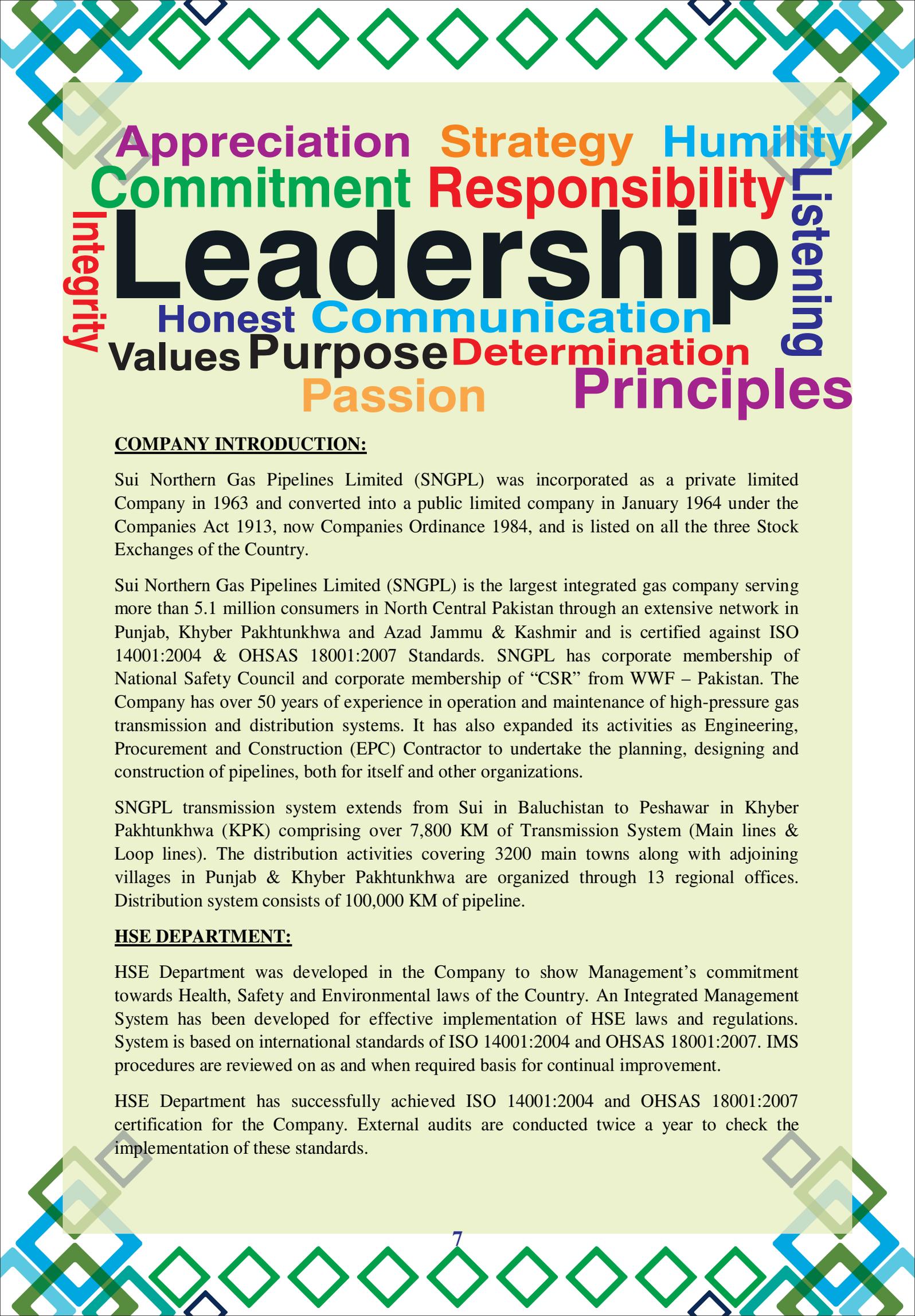
We manage our business responsibly, sustainably, and with a passion for creating value for our customers, our shareholders, consumers and communities we serve. We recognize that creating shared value for shareholders, employees, consumers, and communities is critical to our long-term success. Over the last few years, we have integrated corporate responsibility and sustainability into all aspects of business management, making long-term investments that aim to build value over time.

On behalf of the organization, I would like to thank our employees for their hard work and resilience in the face of recent challenges. Their talents, skills and dedication have helped us to succeed, despite prevailing energy crisis in the country. We have a proven track record of steering the business through some very rough waters, and I am confident that we are operationally and strategically well-placed to deliver continued growth over the next year. I encourage you to read about our efforts to be a more responsible, sustainable business throughout this report.

A handwritten signature in black ink, appearing to read 'Amjad Latif', written over a stylized line graphic.

AMJAD LATIF

MANAGING DIRECTOR SNGPL



Appreciation Strategy Humility
Commitment Responsibility
Leadership
Integrity Honest Communication Listening
Values Purpose Determination
Passion Principles

COMPANY INTRODUCTION:

Sui Northern Gas Pipelines Limited (SNGPL) was incorporated as a private limited Company in 1963 and converted into a public limited company in January 1964 under the Companies Act 1913, now Companies Ordinance 1984, and is listed on all the three Stock Exchanges of the Country.

Sui Northern Gas Pipelines Limited (SNGPL) is the largest integrated gas company serving more than 5.1 million consumers in North Central Pakistan through an extensive network in Punjab, Khyber Pakhtunkhwa and Azad Jammu & Kashmir and is certified against ISO 14001:2004 & OHSAS 18001:2007 Standards. SNGPL has corporate membership of National Safety Council and corporate membership of “CSR” from WWF – Pakistan. The Company has over 50 years of experience in operation and maintenance of high-pressure gas transmission and distribution systems. It has also expanded its activities as Engineering, Procurement and Construction (EPC) Contractor to undertake the planning, designing and construction of pipelines, both for itself and other organizations.

SNGPL transmission system extends from Sui in Baluchistan to Peshawar in Khyber Pakhtunkhwa (KPK) comprising over 7,800 KM of Transmission System (Main lines & Loop lines). The distribution activities covering 3200 main towns along with adjoining villages in Punjab & Khyber Pakhtunkhwa are organized through 13 regional offices. Distribution system consists of 100,000 KM of pipeline.

HSE DEPARTMENT:

HSE Department was developed in the Company to show Management’s commitment towards Health, Safety and Environmental laws of the Country. An Integrated Management System has been developed for effective implementation of HSE laws and regulations. System is based on international standards of ISO 14001:2004 and OHSAS 18001:2007. IMS procedures are reviewed on as and when required basis for continual improvement.

HSE Department has successfully achieved ISO 14001:2004 and OHSAS 18001:2007 certification for the Company. External audits are conducted twice a year to check the implementation of these standards.



Issue No.06



Health, Safety & Environment Policy

Sui Northern Gas Pipelines Limited will ensure that

- The health of its employees, its consumers and its contractors is protected.
- All its activities are carried out safely.
- Environmental performance meets legislative requirements.
- There is continuous improvement in HSE performance.

To implement HSE Policy, Sui Northern Gas Pipelines Limited will

- Comply with relevant laws and regulations.
- Ensure that required Health, Safety and Environment Organization, Standards and Procedures are developed and established.
- Ensure that all its activities are carried out in accordance with relevant international standards and Company's Health, Safety and Environment Standards and Procedures.
- Set demanding targets and measure progress to ensure continuous improvement in Health, Safety and Environmental performance.
- Require every employee to exercise personal responsibility in preventing harm to himself/herself, to others and to the environment for the prevention of pollution.
- Provide appropriate Health, Safety and Environment training/information to all employees, contractors and consumers.
- Ensure provision of safe working environment in order to protect the employees from occupational illness and accidents.
- Promote awareness and give due recognition to performance in the area of Health, Safety and Environment.

Nothing contained in this policy will be interpreted so as to enhance the otherwise legal obligation of the Company.



AMJAD LATIF
MANAGING DIRECTOR
MARCH 14, 2016

Sui Northern Gas Pipelines Limited

پالیسی برائے صحت، حفاظت اور ماحولیات

سوئی ناردرن گیس پائپ لائنز لمیٹڈ اس امر کو یقینی بنائے گی کہ

- اس کے ملازمین، خریدار اور ٹھکیداران کی صحت کو کام سے متعلقہ کوئی نقصان نہ پہنچے۔
- ادارہ میں ہونے والے تمام کام حفاظت کے اصولوں کے مطابق ہوں۔
- ماحولیاتی کارکردگی قانونی ضوابط کے مطابق ہو۔
- صحت، حفاظت اور ماحولیات کی کارکردگی میں متواتر بہتری ہو۔

صحت، حفاظت اور ماحولیاتی پالیسی پر عمل درآمد کے لئے سوئی ناردرن گیس پائپ لائنز لمیٹڈ مندرجہ ذیل اقدامات کو یقینی بنائے گی۔

- تمام متعلقہ قوانین اور ضوابط پر پوری طرح عملدرآمد۔
- صحت، حفاظت اور ماحولیات کے لئے مناسب تنظیم اور ضروری معیار اور طریقہ ہائے کار کا تعین اور نفاذ۔
- اس امر کو یقینی بنانا کہ تمام کام ادارہ کے صحت، حفاظت اور ماحولیات کے معیار اور طریقہ ہائے کار کا تعین اور نفاذ۔
- ایسے اہداف کا تعین اور کارکردگی کا جائزہ جس سے صحت، حفاظت اور ماحولیات میں مسلسل بہتری کو یقینی بنایا جاسکے۔
- ہر ملازم کو پابند کرنا کہ وہ خود، ساتھیوں اور ماحول کو آلودگی سے محفوظ رکھے۔
- تمام ملازمین، خریدار اور ٹھکیداران کو کام سے متعلقہ صحت، حفاظت اور ماحولیات کے لئے مناسب معلومات اور تربیت فراہم کرنا۔
- کام کے لئے محفوظ ماحول کو یقینی بنانا کہ تمام کارکنان کام سے متعلقہ بیماریوں اور حادثات سے محفوظ رہ سکیں۔
- صحت، حفاظت اور ماحولیات کے متعلق آگاہی پیدا کرنا اور اس سلسلہ میں اچھی کارکردگی کی حوصلہ افزائی کرنا۔

اس پالیسی کے امور کسی بھی اعتبار سے ادارہ کی مجوزہ قانونی ذمہ داریوں میں اضافہ نہیں کرتے۔



امجد لطیف
منیجنگ ڈائریکٹر
۱۳ مارچ ۲۰۱۶ء



Issue No. 03
Date: 16.03.2016

No Smoking Policy

Sui Northern Gas Pipelines Limited (SNGPL) is committed in providing a safe, healthy and productive environment for all its employees and recognizes that Smoking is a health hazard for both smokers and non-smokers. In order to comply with “Tobacco Control Law” and “Prohibition of Smoking and Protection of Non Smoker’s Health Ordinance,2002” and to ensure that all non-smokers can breathe in smoke free environment ***smoking is strictly prohibited inside all company premises.***

Sui Northern Gas Pipelines Limited (SNGPL)’s No smoking policy shall apply to;

- *All employees, clients, visitors and contractors of the SNGPL and no exception to the policy will be made.*
- *All workplaces which includes all Company buildings, premises, Lobbies, Elevators, Cafeterias, Washrooms, Vehicles, operational sites and any common areas frequented by employees.*

Sui Northern Gas Pipelines Limited (SNGPL) believes that all employees have the right to a safe and healthy workplace. In accordance with this belief; SNGPL has declared all Company premises as smoke free, therefore ***no smoking areas will be developed inside Company premises.*** Appropriate ‘no-smoking’ signs will be displayed at prominent places. All employees are responsible for ensuring the implementation and maintenance of this policy. In case of violation strict disciplinary actions will be taken through HR department.

Nothing contained in this policy will be interpreted so as to enhance the otherwise legal obligation of the Company.

Amjad Latif
Managing Director

IMPLEMENTATION OF HSE MANAGEMENT SYSTEM

HSE FOCAL POINTS:

For effective implementation of HSE Management System, Regional In charges have been appointed as HSE Focal Points. The Focal point forms a HSE Site Committee which convenes every second month to review the HSE initiatives taken across the region. The main features of this committee are:

1. OH&S and Environmental Risk Assessment
2. Incident/Accident Reporting
3. Safety Talks
4. Routine Safety Audits
5. PPE's and FFE's
6. Legal and other requirements

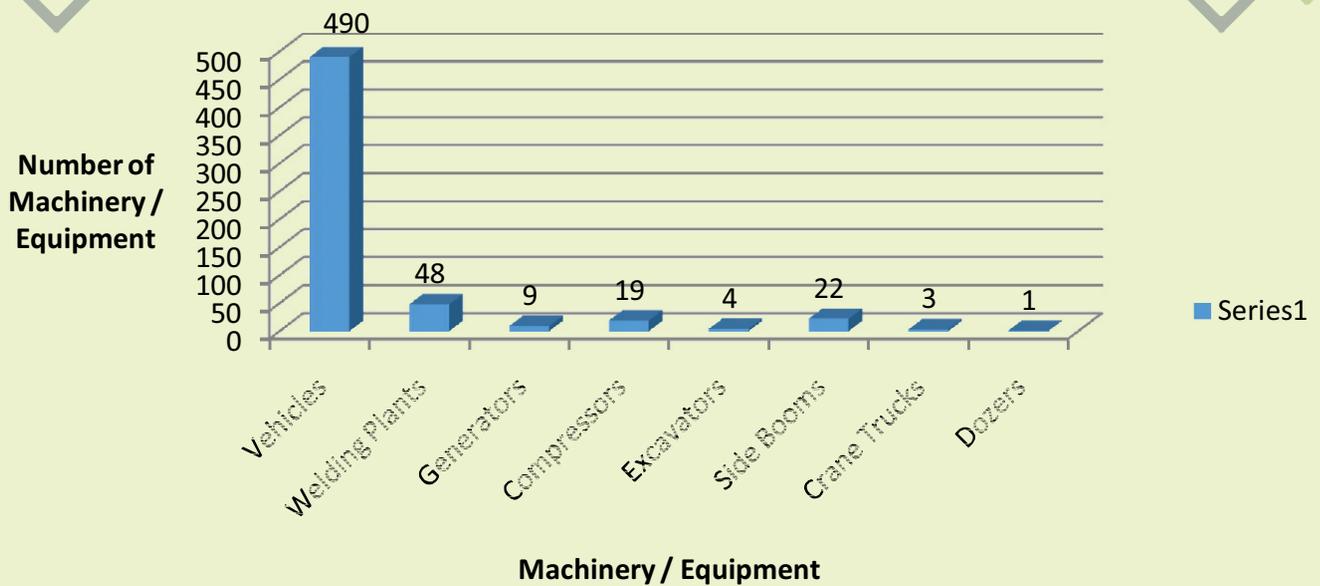
ENVIRONMENT PROTECTION

SNGPL is committed to preserve the environment by making compliance to all applicable laws and codes. A procedure for environmental monitoring is part of Integrated Management System Manual. Waste water monitoring is carried out through third party to keep effluent parameters within NEQS limits. In addition, emission tests of stacks, generators, vehicles and welding plants are carried out as per frequency using either in house resources or 3rd party services. SNGPL has developed In-house resources for monitoring of emissions of all vehicles, generators, stacks and welding plants with state-of-the-art portable equipments like LANCOM, TESTO, IMR. A vehicle installed with Crypton emission analyzer equipment has been specially designed for emission monitoring in addition to portable devices. The environmental impacts of these emissions are covered in environmental risk assessment (wherein the current controls and preventive measures are suggested). Surveys regarding illumination, noise levels and air quality are carried out at all sites



Emission Testing of vehicle being carried out at Site

Emission Tests 2015-16



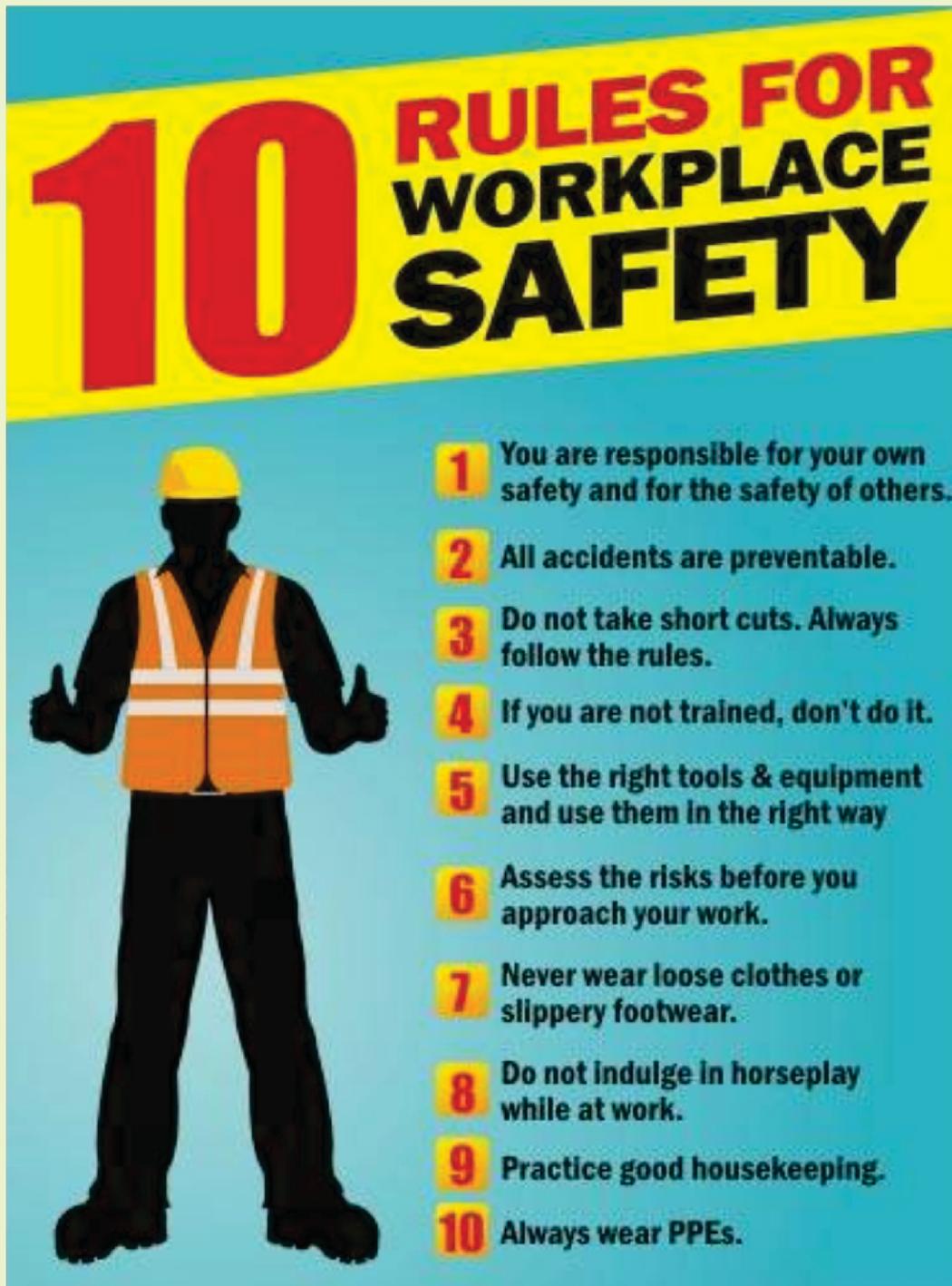
SAFETY

Each year, Management sets targets for effective implementation of Health, Safety and Environmental System. It has resulted in reducing the number of incidents taking place across the company. The number of Lost Work Day Injuries and Fatalities has reduced during the past few years in comparison to the years before this.

For timely reporting of incident and accidents online reporting system is in place. This system has been instrumental in making it easier for employees to report incidents and has greatly reduced the time for reporting. Incident investigations are carried out to control / eliminate the cause of it, to stop it from occurring again.



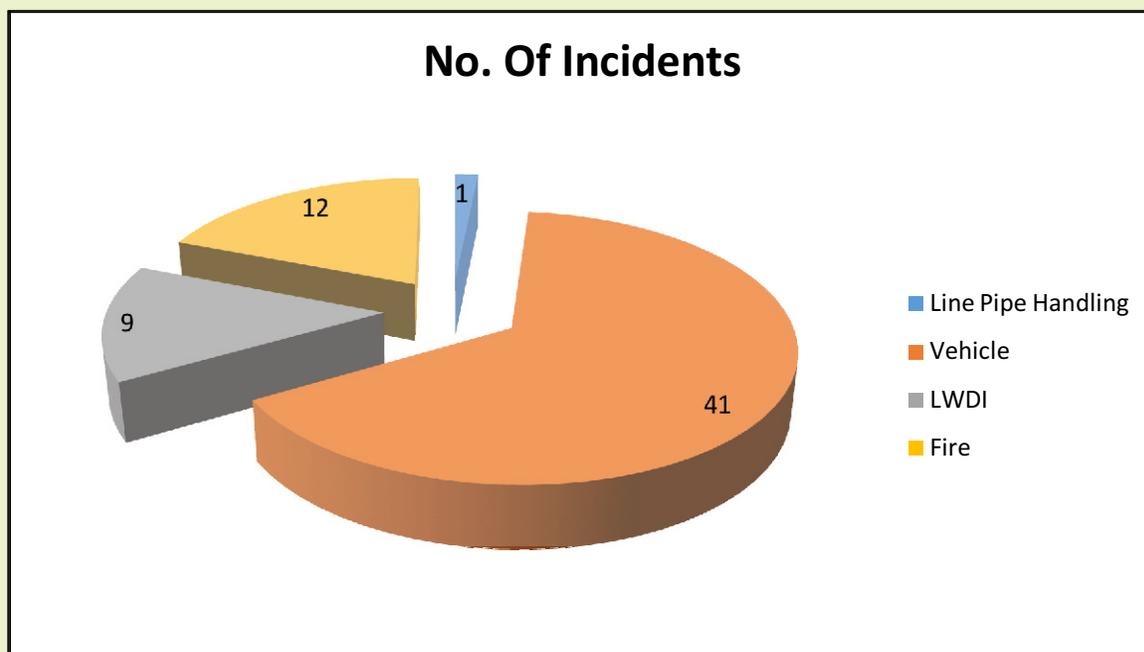
A new initiative has been started by HSE Department regarding safety of vehicles. All company vehicles/generators and equipment's are physically inspected on a monthly basis. The vehicles/generators and equipment's passing this inspection are issued Vehicle Fitness Certificates for that month. Those not passing this inspection are stopped from operating until they become fit to operate. Safety Booklets, Learning Events, First Aid Booklet have been written (both in English and Urdu) and circulated across the company to raise awareness regarding safety.



10 RULES FOR WORKPLACE SAFETY

- 1** You are responsible for your own safety and for the safety of others.
- 2** All accidents are preventable.
- 3** Do not take short cuts. Always follow the rules.
- 4** If you are not trained, don't do it.
- 5** Use the right tools & equipment and use them in the right way
- 6** Assess the risks before you approach your work.
- 7** Never wear loose clothes or slippery footwear.
- 8** Do not indulge in horseplay while at work.
- 9** Practice good housekeeping.
- 10** Always wear PPEs.

During the fiscal year 2015-16, most of the accidents were related to vehicle and line pipe handling. Procedures developed by HSE department on Safe operation of vehicles & equipment and line pipe handling are available at sites for implementation, to reduce such kind of accidents. Data Loggers are being installed in Company vehicles to measure driver's attitude during driving and subsequent corrective action to ensure safe operation of vehicles across the Company. A brief overview of the accidents statistics for the fiscal year 2015-16 is given as under:



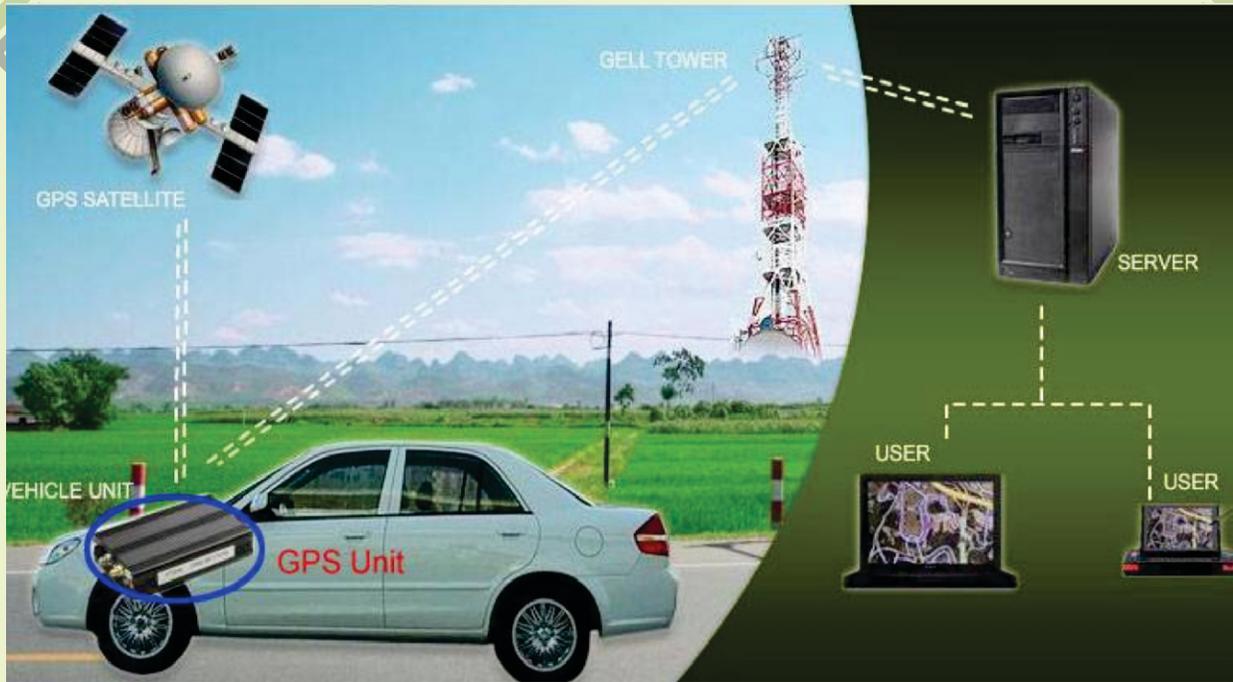
DATA LOGGERS:

To reduce the number of vehicle related accidents, SNGPL has installed 215 Nos. trackers / data loggers in Company owned vehicles to monitor driver behavior during driving. Data loggers come with a number of features some of which are mentioned below:

- Trip Reports
- Mileage Reports
- Safety Violation Reports
- Fuel Reports
- Geo Fencing
- Vehicles Non Responding

Trackers movement feature makes it possible for the user to actually watch the vehicle moving along its path.

HSE Department is currently looking after 130 Nos. trackers whereas 85 Nos. are under the control of Transmission Department. Driver Safety Report and Mileage reports are generated each month and actions are taken against the violators.



CONTRACTORS CONTROL:

SNGPL, in addition to its permanent staff, also hires contractors to perform certain operational activities under its domain. To ensure the safety and well being of contractors and achieving the goal of “ZERO ACCIDENTS” a procedure has been made relating to contractors control.

Contractors control procedure in “Integrated Management System provides guidelines to improve contractor’s health, safety and environmental performance. In light of this procedure the Contractors/suppliers are responsible for performing the work of contracts in conformance with all environmental, health and safety laws and regulations. Focal Point provides the contractors with Contractor HSE Manual to ensure their awareness of SNGPL HSE Management System.



Before starting of work on site, SNGPL interviews the contractor’s On-site engineer for awareness and compliance for HSE requirements communicated vide contractor HSE Manual. For major site activities, expansion projects etc., the concerned department makes sure that the training of contractor’s engineers / supervisors has been conducted.

In order to ensure HSE compliance at Contractors site, Management has approved four levels of penalties against the violators (i.e. Warning, Fine of Rs. 5000/-, Fine of Rs. 20,000/-, Black Listing). It is the responsibility of concerned Executives / Supervisors to strictly monitor the sites of Contractors under their domain for ensuring HSE compliances and penalties.



WORK STOP AUTHORITY:

HSE department has increased focus on contractor's sites and work stopped authority is also being executed where HSE non-compliance is being observed. 24 No. of times work stop authority was exercised by HSE Department during the last fiscal year.

LIFTING EQUIPMENTS:

HSE Department has developed an inspection regime for Lifting equipments. Each lifting equipment is visually inspected each month and issued a Fitness Certificate. If there is fault in the equipment then it is stopped from operating till such problem is resolved. In addition to this, annual load lifting tests of these equipments is carried out by 3rd party to define the maximum load that the equipment can lift.



WORK PERMIT AND SAFETY CHECKLIST:

SNGPL is committed to its ZERO ACCIDENT policy and in order to carry out daily activities like repairing, maintenance or construction work in operating areas Work Permit procedure has been implemented to prevent any injury, fire, property damage, material loss or an environmental accident.

Work permit procedure in Integrated Management System includes guideline related to business processes including Hot Work Permit and Cold Work Permit. Also for distribution, transmission and project activities safety checklists relating to their operations have been introduced.



S A F E T Y
IS
N O A C C I D E N T

HSE SITE VISITS:

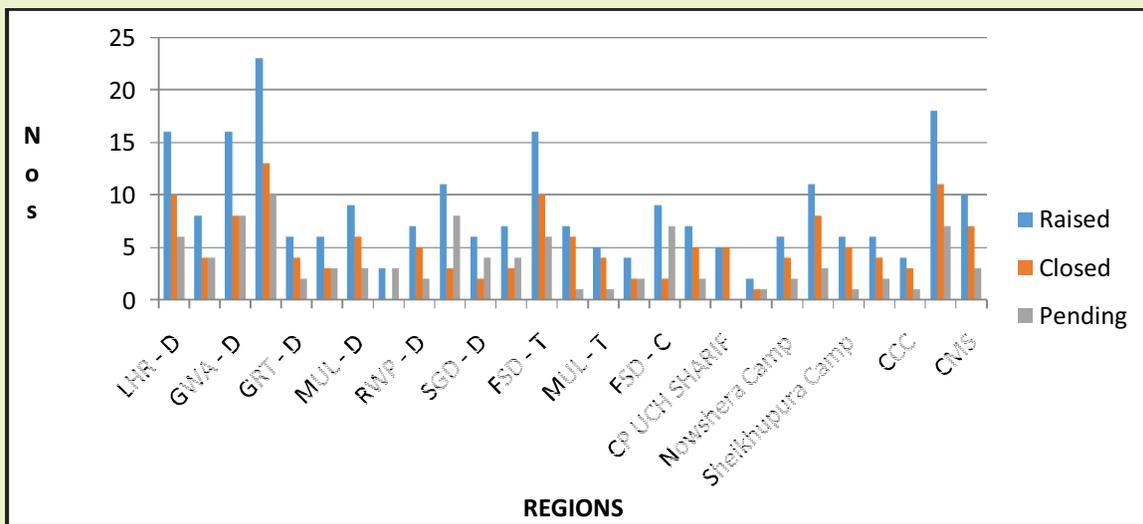
HSE Engineers carry out regular site visits to monitor compliance of HSE initiatives. Monitoring of Personal Protective Equipments along with HSE awareness is imparted to the field staff. Compliance of Safety checklist, Standard operating procedure, vehicles fitness certificate is checked.



CORRECTIVE AND PREVENTIVE ACTION:

This procedure defines the responsibilities and process for identifying and investigating non-compliances with the SNGPL Integrated Management System, for taking action to mitigate any negative impacts caused, and for applying corrective and preventive actions. Any individual can give a suggestion for improvement if he/she observes any non-conformance within the SNGPL Management System by raising a Corrective and Preventive Action Request. This system has played a vital role in continual improvement of HSE Management System.

Any individual (Executive, SN or Casual) working in SNGPL can raise Corrective and Preventive Action Request (CPAR) and send it directly to General Manager (HSE) for improvement in Company's HSE Management System. Approval letter in this regard by Worthy Managing Director is attached below:



Corrective and Preventive Action Status FY 2015 - 16

INTERNAL AUDIT:

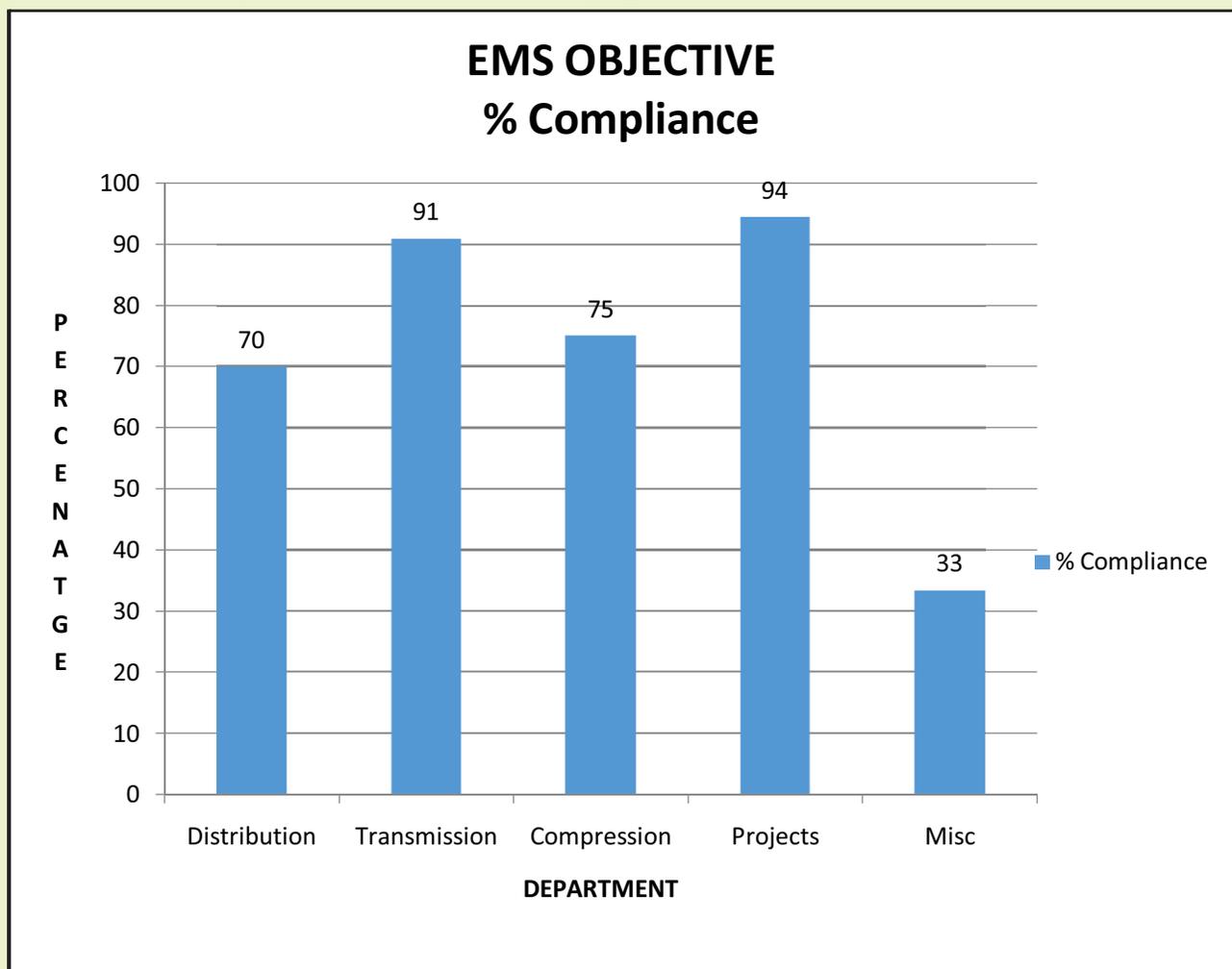
HSE Internal Audits are being carried out on Bi-annual basis on ISO 14001:2004 and OHSAS 18001:2007 standards across the Company. These audits are based on International Standards of ISO 14001:2004 and OHSAS 18001:2007. Trained HSE auditors carry out audit



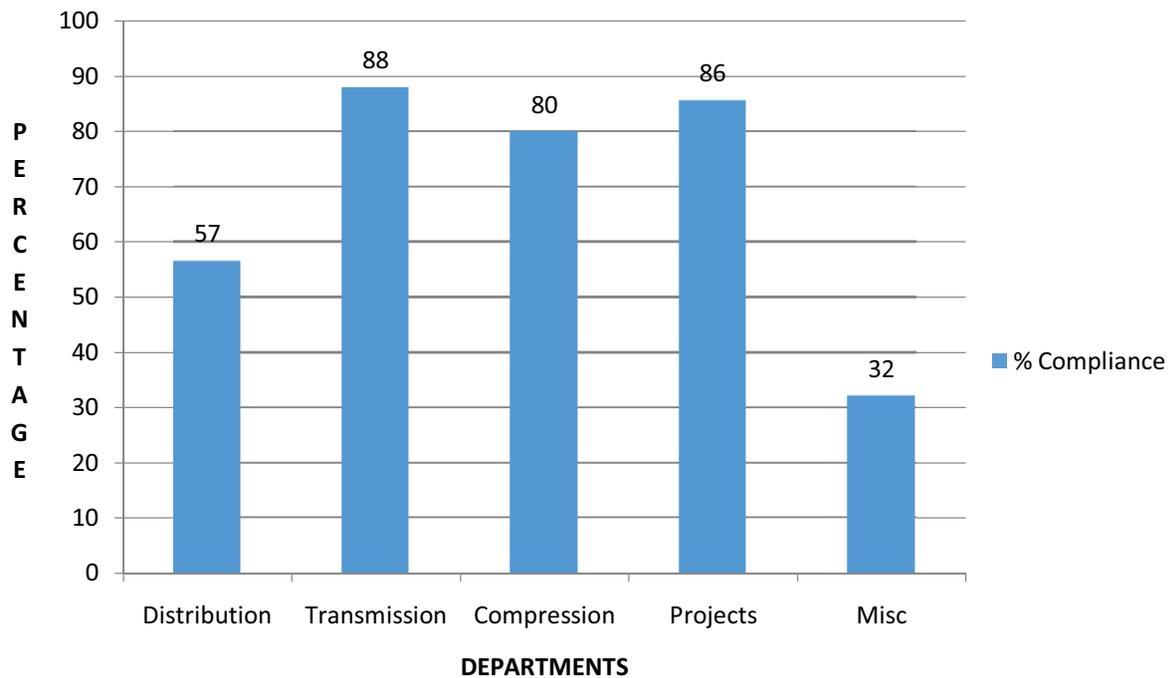
- Provision of emergency exits
- Energy Conservation
- Vehicle / Heavy equipments Emissions



OHS and EMS Objectives status is shown in graphs below:



OHS OBJECTIVES % Compliance



MANAGEMENT REVIEW MEETING:

Management Review Meeting is carried out bi-annually to remove any weaknesses that may be in the HSE Management System and to ensure continuous improvement. The meeting is chaired by the Worthy Managing Director and comprises of all Head of Departments. This meeting shows the commitment of Higher Level Management towards implementing HSE policy across the Company. Management Representative (GM HSE) presents information for review and concurrence, which includes but is not limited to:

- HSE Policy
- OH&S and Environmental Objectives,
- Targets
- Legal and other requirements
- Training, Awareness and Competence
- Environmental Evaluation of compliance
- Emergency Preparedness and Response
- Accident/Incident Status
- Non-Conformance, Corrective/Preventive
- Action Status
- Internal Audit Status



Surveillance Audit by M/s URS (Certifying Body)

SNGPL is certified against OHSAS 18001:2007 & ISO 14001:2004 standards. As per Certification requirements, 02 Surveillance Audits were conducted by third party i.e. M/S United Registrar of Systems (URS) from 24 – 27 November, 2015 (15th Surveillance Audit) and 02 – 07 June, 2016 (16th Surveillance Audit).

Following Company sites were audited;

1. Peshawar Distribution
2. Nowshera Camp
3. WAH Transmission
4. Faisalabad Distribution
5. Faisalabad Compression
6. Central Metering Workshop
7. Head Office
8. Lahore Transmission



Surveillance Audit Nowshera Camp



Surveillance Audit Team at HSE Department Head Office

During the Surveillance audits, URS Auditors visited Office blocks, Store, Store Yards, Workshops, Kitchen and Parking areas of aforementioned sites. Some minor observations were highlighted by the auditors for the betterment of the site, which were addressed.

Successful conduction of these audits demonstrate the effectiveness of HSE Management System. Management commitment towards HSE was highly appreciated by the Auditors.

It is pertinent to mention that these sites have been prepared on ISO 14001:2004 & OHSAS 18001:2007 Standards by in house resources & without the engagement of Consultants.

OCCUPATIONAL HEALTH:

SNGPL's top management is devoted to promote HSE culture across the Company. Hazard identification and evaluation/root cause analysis of the risks associated with it, is an integral part of HSE Integrated Management System (IMS). The same process is also being applied in the field of Occupational Health. Many potentially hazardous situations occur in work place like high noise level, heat stress, low level of lighting etc.

Health awareness events and sessions have greatly made the employees of SNGPL more aware of Occupational Health. Health awareness programs have been established at SNGPL which serves many purposes including interaction between the employees and OH consultant/Doctors. Through this interaction employees get an opportunity to discuss their lifestyles (health related) to reduce their concerns.

OH monitoring and health surveillance is being carried out regularly at various sites across the Company especially in those areas where workers are directly involved in an activity/operation which may be affecting their health. The main purpose of conducting these programs is to make workers more aware regarding Occupational Health. A consolidated report is to be appraised to the Management for necessary review and advice

HSE WEEK / MEDICAL CAMP:

HSE Department, in collaboration with the concerned site, arranged Medical Camps. This was an initiative that has a major contribution in spreading awareness regarding Occupational Health and Safety among the employees. Around the year Medical Camps were arranged at following SNGPL sites:

- 1- Faisalabad Distribution
- 2- Faisalabad Compression
- 3- Central Metering Workshop Lahore
- 4- Lahore Transmission
- 5- Peshawar Distribution

Following activities were carried out in the Health Surveillance:

1. Blood Sugar Testing
2. Height and Weight Monitoring
3. Blood Pressure Testing
4. Hepatitis B and C Testing
5. Food handler stalls
6. Eyes Refraction
7. Bones Scan
8. Pulmonary Function Test for welders / drivers / computer users
9. General Medical Examination



HEALTH SCREENING

AUDIOMETRIC TESTING:

HSE Management system has developed a Hearing Conservation procedure to protect the employees working in high noise areas such as compressor stations, transmission valve assemblies, generator rooms from possible hearing loss while performing their duties. To ensure minimum hearing loss, ear muffs and ear plugs are provided to workers to ensure that they are protected against high noise. Furthermore, audiometric testing of such employees is conducted across the company annually to ensure that any such hearing loss (if it happens) is detected at an early stage so that remedial actions may be suggested.

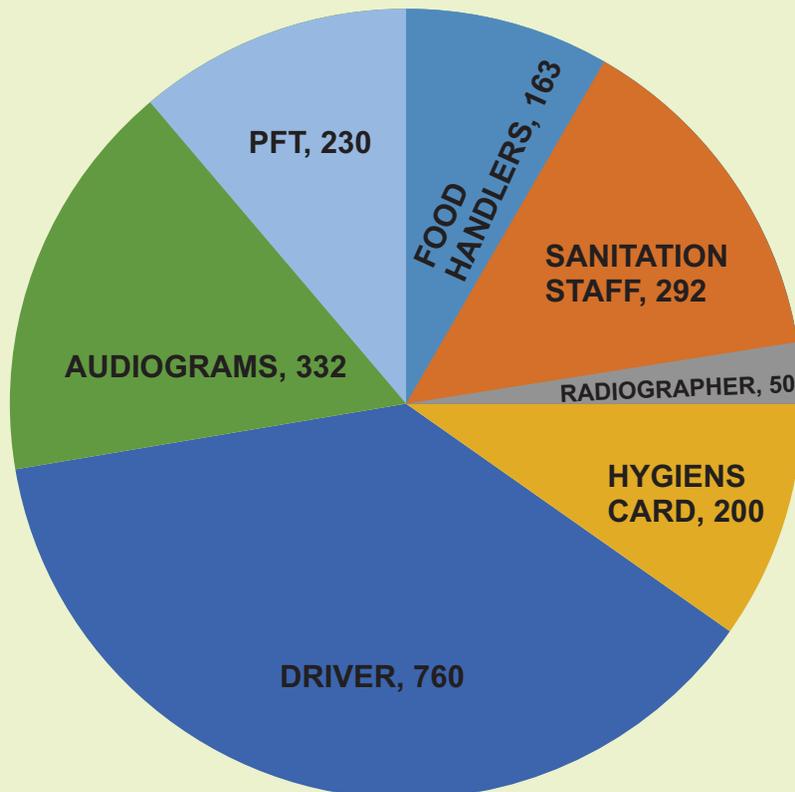


PULMONARY FUNCTION TEST (PFT):

Pulmonary Function Testing (PFT) is a complete evaluation of the respiratory system including patient history. Pulmonary function tests are a broad range of tests that measures how well the lungs take in and exhale air and how efficiently they transfer oxygen into the blood. Spirometry is the measure of lungs function. The information gathered during this test is useful in diagnosing certain types of lung disorders, but is most useful when assessing for obstructive lung diseases (especially asthma and chronic obstructive pulmonary disease, COPD). PFT of welders is carried out during Medical Camps.



Dr. Huma performing PFT



DRIVERS:

Health Screening of drivers (Company and Contractual) is carried out every 2 years. Following tests of drivers are carried out :

1. Chest X-Ray
2. ECG (Above 45 years age)
3. Fasting Sugar
4. Complete Blood Cell Test
5. Eye Sight

DENGUE AWARENESS CAMPAIGN:

Pakistan has been facing a Dengue Epidemic for the last 5 years. HSE department has been working vigorously in reducing the menace of Dengue ever since.

Many initiatives have been taken by HSE Department in this regard:

1. Dengue Awareness Sessions

A great number of Dengue Awareness Sessions have been conducted by HSE department in the last 12 months.

Dengue Awareness Flex has been pasted all across the Company's offices and sites to increase awareness among employees and consumers. Literature regarding Dengue has also been circulated across all Company's Sites.



2. Dengue Surveillance

HSE Department conducts Dengue surveillance in coordination with site specific dengue larva identification teams of Company's site office and customer care centers etc on regular basis to remove dengue sore points which may result in spreading Dengue. Spraying of Anti Dengue spray at all sites and offices of SNGPL is being carried out on regular basis.



ایچ ایس ای بلٹن نمبر ۲۶ ڈینگی بخار۔۔۔۔۔ احتیاط کیجئے

تعارف:

انسانوں میں ڈینگی بخار ایک مخصوص قسم کے چمچر کے کاٹنے سے منتقل ہونے والے وائرس کی وجہ سے ہوتا ہے۔
عالمی برسوں میں ڈینگی بخار کی اور بین الاقوامی سطح پر صحت عامہ کا ایک بہت تشویشناک مسئلہ بن گیا ہے۔

ڈینگی بخار کیسے پھیلتا ہے؟

ڈینگی بخار کا وائرس ایک مادہ چمچر یا زائیکا کی کھٹی کھٹی کانٹے سے پھیلتا ہے۔ یہ چمچر ایک متاثرہ انسان کو کاٹ کر ڈینگی وائرس حاصل کرتا ہے۔ اور جب یہ چمچر کسی صحت مند آدمی کو کاٹتا ہے تو اس انسان میں ڈینگی کا وائرس منتقل کر دیتا ہے اور نئے متاثرہ شخص میں چمچر کے کاٹنے کے 5 سے 7 دن بعد بخاری کی علامات ظاہر ہوتی ہیں۔

چمچر کہاں رہتا ہے؟

یہ چمچر گھر کے اندر اور دوسری تاریک جگہوں پر رہتا ہے۔ گھروں سے باہر یہ ان جگہوں پر رہتا ہے جہاں ذرائعی ٹھنڈک اور تاریکی ہو۔ مادہ چمچر مختلف جگہوں، گھروں، سکولوں وغیرہ میں رکھے پانی کے برتن (پانی کی کنگھی، ہائی کھڑا وغیرہ) میں اڈے دیتی ہے جو 10 دن میں مکمل چمچر بن جاتے ہیں۔

چمچر کی افزائش کہاں ہوتی ہے؟

ڈینگی چمچر جمع کیے گئے صاف پانی میں افزائش پاتے ہیں۔ ان کی پسندیدہ جگہوں میں ڈرم، مر تان، برتن بالیاں، کٹلے، بیکنیاں، استعمال شدہ بوتلیں، ٹائرز، واٹر کولرز اور وہ تمام جگہیں جہاں بارش کا پانی جمع ہو سکتا ہو شامل ہیں۔

- مریضوں کے خاندان کیلئے ہدایات
- مریض کا نمبر پچھ 102F سے کم رکھیں۔ مریض کو پیرا ایڈنا مول دیں مگر 24 گھنٹے میں 4 دفعہ سے زیادہ نہیں۔
- یاد رہے کہ:
- ☆ مریض کو اسپرین یا بروفن ہرگز نہ دیں۔
- ☆ مریض کو اس کی نازل خوراک کے ساتھ ساتھ زیادہ مقدار میں پانی، جوس، سوپ اور دودھ دیں۔
- ☆ مریض کو آرام مہیا کریں۔
- ☆ مریض کو پورے جسم پر بخاری صورت میں ٹھنڈے پانی کی پٹیاں کریں۔

Health, Safety & Environment Department
Sui Northern Gas Pipelines Limited



ایچ ایس ای بلٹن نمبر ۲۶ ڈینگی بخار۔۔۔۔۔ احتیاط کیجئے

کیا نہیں کرنا چاہیے

- کھلی ڈھانسی بغیر حفاظت مت سوئیں۔
- گھر اور دفاتر میں گندگی نہ پھیلنے دیں۔
- دروازے اور کھڑکیوں پر چالی نہ لگی ہو تو انہیں ہرگز حفاظت چھڑائیں۔
- ڈینگی بخار سے مراد ڈیڑھ چھوٹے کامریش نہیں ہے لہذا امریش کی تیز اداری سے اجتناب مت کریں۔
- علامات ظاہر ہونے پر فوری ہسپتال سے رجوع کرنے میں ہرگز تردد نہ کریں۔
- احتیاطی تدابیر پر ہرگز سمجھوتہ نہ کریں۔

کیا کرنا چاہیے

- ڈینگی قابل علاج ہے تاہم بروقت تشخیص اور علاج نہایت ضروری ہے۔
- گھر میں صاف پانی کو تیز و کرے والے برتنوں مثلاً پانی یا کنڈر وغیرہ، پھولدان، کٹلے کے نیچے رکھے ہوئے برتن اور پانی کی کنگھی کو ڈھانپ کر رکھیں۔
- چمچروں سے بچاؤ کے لئے دروازے اور کھڑکیوں پر چالی لگوائیں۔
- پوری آستین اور پیٹ بلیٹ جوتوں کو ڈھانپ لیں۔
- چمچر بچانے کے لیے تمام طریقے متاثرہ اہلی کو کل میت، سپرے، نسل اور ڈنڈ وغیرہ استعمال کریں۔
- گھروں اور دفاتر میں چمچر مار پھرے کریں۔
- طلوع آفتاب اور غروب آفتاب کے وقت میں جسم کے کٹے حصوں پر چمچر بچاؤ نسل یا ڈنڈ لگائیں۔
- چمچر دانی کا استعمال خاص کر تھرڈ فراد اور وہ تمام افراد جنہیں دن میں آرام کی ضرورت ہوتی ہے مثلاً بچے، حاملہ خواتین اور عمریدہ افراد کیلئے ضروری ہے۔
- تلف شدہ اشیاء یا برتن جن میں پانی ٹھہرے کا خدشہ ہو مثلاً پانی کی استعمال شدہ بوتلیں، پلاسٹک بیگ، ٹین، ٹائز وغیرہ کو اکٹھا کر کے مناسب طریقے سے ٹوکانے لگائیں۔
- ڈینگی بخاری علامات ظاہر ہونے کی صورت میں فوراً قریبی ہسپتال سے رجوع کریں۔

Health, Safety & Environment Department
Sui Northern Gas Pipelines Limited



ایچ ایس ای یٹین نمبر ۲۶ ڈیٹنگی بخار۔۔۔۔۔ احتیاط کیجئے



نقطے میں دوسے میں ہارکٹر، دہرا اور دکانوں میں صفائی کر کے گھر
مادروہیات کا پر سے کریں اور دروازے ایک گھنٹہ کے لیے بند رکھیں۔



اسے کسی سے تازہ ہونے والی پانی زیادہ سے زیادہ استعمال نہ کریں۔
فریج کی کڑے میں موجود پانی ضائع کریں۔



قہرستان میں قہروں پر رکھے پانی کے برتن
صاف کر کے خشک کریں۔



بچوں کو سکول بھیجے وقت غسل آستین والی قمیض اور گلاب پاگلے والی پتلون یا شلوار پہنا سکیں اور
جسم کے کٹھنوں پر چھریا کا کھانا لگائیں



دروازوں اور کھڑکیوں پر پارکیک جالی لگوائیں اور
ان کو ہر وقت بند رکھیں۔



گھروں کے اندر اور گرد، چھتوں، چوڑوں کی کیراجوں، گھروں،
پرالے برتنوں اور ناگزروں وغیرہ میں پانی جمع نہ ہونے دیں۔



گھروں میں موجود آباروں اور سونگ پال وغیرہ میں
پانی جمع نہ ہونے دیں۔ گلی یا قاعدہ صفائی کریں اور خشک کریں۔



کھڑکیوں پر سے سوراخوں میں پانی کھرا ہونے دیں۔

Health, Safety & Environment Department
Sui Northern Gas Pipelines Limited

OCCUPATIONAL HYGIENE MONITORING:

For safe and healthy workplace, HSE Department conducts following mentioning's at required sites and provide advice as per requirement:

1. Illumination survey
2. Noise level mapping
3. Indoor air quality assessment
4. Drinking water quality testing.

To provide safe potable drinking water to employees, visitors, contractors and community, drinking water quality analysis is carried out at all operational sites of SNGPL on an annual basis. Cleaning of drinking water tanks is done on a regular basis. On the basis of test results of drinking water different types of filters, filtration plants have been installed while installation of reverse osmosis plant for drinking water is under progress.

ERGONOMIC FURNTIURE:

Ergonomics is the science of designing equipments / products to optimize them for human use. To protect the employees from musculoskeletal problems and strain issues, HSE Department has developed an ergonomic checklist for employees to fill. On the basis of these checklists, ergonomic chairs are procured and provided to employees to protect them against any long term illness.

WELLNESS CLUB AT HEAD OFFICE:

A new initiative has been undertaken by HSE Department regarding development of Wellness Club at SNGPL Head Office. Procurement progress has been initiated for this matter under the supervision of HSE Department. This will allow employees to exercise which in turn will help improve their health.

TRAINING AND CAPACITY BUILDING:

Training is an important part of HSE Management System. These training sessions greatly enhances worker's knowledge regarding not only HSE but also his job. These trainings are conducted by SNGPL executives and includes Out-House trainings also.



Training of HSE Engineers on IMS Manual at SNGTI

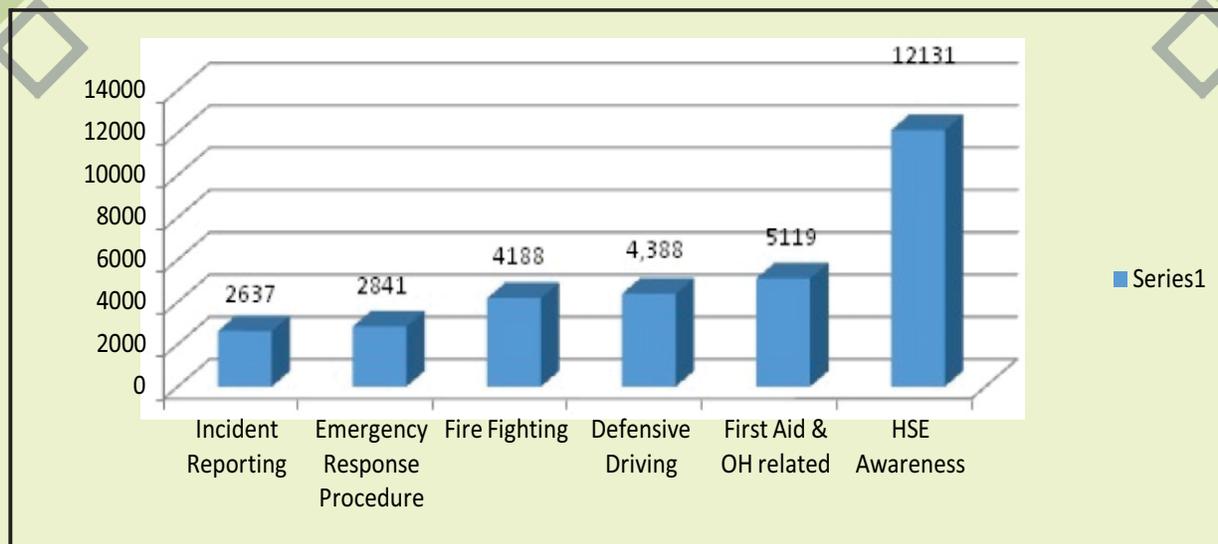
HSE Training sessions / Safety Talks are conducted on following six major categories at all sites across the Company;

- HSE Awareness
- Fire Fighting
- First Aid & Occupational Health
- Defensive Driving
- Incident Reporting
- Emergency Preparedness.









Training Data For Year 2015-16

Furthermore, HSE Head Office conducts trainings (internal and out-source) of Executives and Subordinates on monthly basis on following topics at Sui Northern Gas Training Institute (SNGTI):

- IMS Manual and ISO & OHSAS Standards
- Achieving zero accident goal through proactive safety
- Fire Prevention
- Defensive Driving
- First Aid and CPR





RISK ASSESSMENT:

To reduce operational and potential OH&S hazards risk assessment is performed of sites, areas and departments that can be controlled or influenced.

HSE Site Committee identifies all potential and operational hazards related to normal operations, routine activities, non-routine activities of sites and departments. Hazards are identified in the following categories but not limited to them:

1. Ergonomic Hazards
2. Mechanical Hazards
3. Electrical Hazards
4. Pressure Hazards
5. Pneumatic Hazards
6. Falling Hazards
7. Biological Hazards
8. Toxic Hazards
9. Explosion Hazards
10. Chemical Hazards
11. Fire Hazards
12. Noise Hazards
13. Vibration Hazards
14. Radiation Hazards



AWARDS:

SNGPL has won various awards in different categories of CSR & HSE. Winners are selected on the basis of company's CSR & HSE activities; Particularly good governance, addressing all key stakeholders, sincerity and ongoing commitment in incorporating ethical values into their business; employee health & safety program; involvement in community related activities and protection of the environment. Companies are being evaluated for their overall CSR & HSE best practices not for one offs or short term projects.

- 1- Fire Safety Award
- 2- CSR Award
- 3- Emission Control Award

**2nd International Summit & Award on
ENVIRONMENT, HEALTH,
SAFETY & SECURITY**

Presented to
Sui Northern Gas Pipeline Limited
Control Of Emissions

For a remarkable efforts in Environment, Health & Safety activities in Pakistan.
Held on **May 26th, 2016** at Marriott Hotel-Karachi

ORGANIZED BY: **THE PROFESSIONALS NETWORK**
CO-HOST: **EDU ETHICAL UNIVERSITY**
SUPPORTED BY: **FPAP**

M. Farooq
Mehmood Taseen
Founder & CEO
The Professionals Network

FIRE SAFETY & AWARDS 2016

Certificate of Excellence
Protecting Yourself, People & Organization

After careful consideration of track record, services and performance of
SUI NORTHERN GAS PIPELINES LIMITED

This certificate is being awarded on
April 28, 2016 – at Marriott Hotel, Karachi

F. Hussain
FARHAT HUSSAIN
President
Fire Protection Association of Pakistan

Eng. Nadeem Ashraf
ENG. NADEEM ASHRAF
President
Fire & Safety Awards 2016

Certificate of Excellence

**NFEH's
Corporate Social
Responsibility Awards 2016**

Presented to
Sui Northern Gas Pipelines Limited

For a remarkable efforts in CSR activities in Pakistan.
Held on January 14, 2016 - Islamabad Serena Hotel.

M. Naqem Qureshi
M. Naqem Qureshi
President
National Forum for Environment & Health



HSE INITIATIVES:

To show commitment of Management towards Health, Safety and Environment the following initiatives were taken by SNGPL during the last year.

EARTH HOUR:

Earth Hour is a worldwide movement for the planet organized by the World Wide Fund for Nature (WWF). The event is held worldwide annually encouraging individuals, communities, households and businesses to turn off their non-essential lights for one hour, from 8:30 to 9:30 p.m. towards the end of March, as a symbol for their commitment to the planet.

This year SNGPL celebrated Earth Hour on 19th March 2016 in order to show commitment to conserve our Natural resources and to save our Planet Earth, All lights were switched off at 8.30 pm for an hour. HSE Department also circulated a Bulletin in this regard to all executives.

This is definitely a proud moment that we are showing our commitment by reducing Energy consumption and by taking initiatives to save our Planet-Earth.

ENVIRONMENT DAY

World Environment Day (WED) is celebrated every year on 5th of June to raise global awareness to take positive environmental action to protect nature and the planet Earth. The theme for 2016 was 'Go Wild For Life'. SNGPL celebrated World Environment Day to show its commitment for betterment of our Planet-Earth.

CELEBRATING EARTH DAY:

SNGPL is committed in reducing its carbon emissions from vehicles/ welding plants and power generators across the company. HSE department is in process of developing a baseline for the reduction of CO2 emissions annually.

Keeping in view the Carbon sequestration, SNGPL has started “Tree Plantation” across the company on continuous basis. In this regards, SNGPL celebrated Earth Day on 22nd April, 2016.



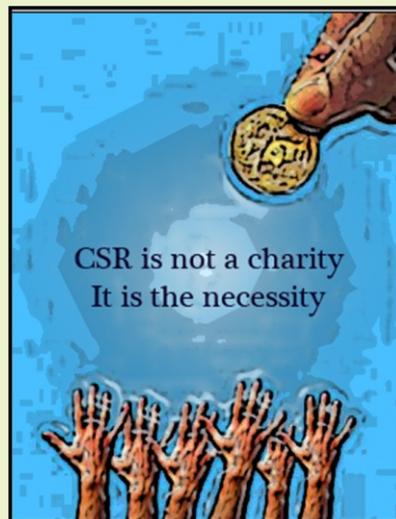


CORPORATE SOCIAL RESPONSIBILITY

SNGPL is dedicated towards its CSR policy which is based on the best practices all over the world to leave a positive impact on the environment, employees, social norms and economic development. The laid out objectives are to be achieved by adopting a methodology that drives contact of the Company's business leading to commercial success in ways and manner that honor ethical values, environment, people and communities. SNGPL believes in

- Business that should be both profitable and beneficial to the society
- Improving the quality of life of the communities especially those who are under privileged.
- Ensuring harmonious relations with our stakeholders, by working in partnership with the community, the Government and NGOs through the principles of Sustainable Development.

We as "SNGPL", believe in "Social Responsibility". SNGPL has an approved CSR Policy. CSR Cells have been established at sites for the implementation of CSR Projects. Various CSR Projects completed in FY 2015-16 are enlisted as below.





ANNUAL SPORTS:

Exercise and sports participation has long been established as an important factor in reducing the risk of many physical problems such as cardiovascular disease and obesity. Taking part in sport can provide many physical and mental benefits, this makes sport an important part of each individual's life. Exercise has been found to improve mood in adults and research shows that people who lead an active lifestyle are less stressed, more productive and take less sick days. These are all very important factors for any organization.

SNGPL annual sports Gala 2016 was held from 6th-8th April 2016 at WAPDA Sports Complex Lahore. A total of 18 teams (more than 300 players) had participated from head office and regions which competed in different events including Volley Ball, Tug of War, Badminton Single & Double, Table Tennis, Athletics, Shot Put, Long Jump and High Jump. Head Office team stood first followed by teams of Lahore Distribution and Peshawar Distribution.



Runners participating in 100 meters sprint



TUG OF WAR



SNGPL WOMEN TEAM

A) Education

Sponsorship of Gold Medals;

In order to promote education, SNGPL has sponsored 2 Gold Medals at Ghulam Ishaque Khan Institute, Topi, One Gold Medal at NFC Faisalabad and One Gold Medal at NFC Multan with cost of Rs. 70,000/- each and total outlay of Rs. 280,000/-



Handing over cheque at GIKI - Topi

B) Provision of Drinking Water

As part of its CSR initiative, SNGPL has made arrangements for potable drinking water for the community at following localities:

1. SNGPL has made arrangements for potable drinking water at Faisalabad and Multan. Extension of these projects is in pipeline with the cost of Rs. 710,000/-.
2. Management has also approved Installation of drinking water filtration plant at C-10 Nowshera at the cost of Rs. 1.8 million.
3. Installation of Water Filtration Plant at THQ Kahuta at cost of Rs 0.555 Million.
4. Pressure Water Filtration Pump Installation at Village Amin Khail, District Karak at cost of Rs 570,000/-.
5. Pressure Water Filtration Plant at Village Dabb Dawar Khel at cost of Rs 220,000/-.
6. Installation of Water Filtration Plant at Govt. College Murree at cost of Rs 0.5 Million .
7. SNGPL has installed Pressure Water Filtration Pump at village Dabb Dawar Khel.
8. SNGPL is also in process of installing Reverse Osmosis Plants/ Water Filtration Plant at all its Regional Offices with the provision of supplying safe drinking water to communities. Total cost for this project is Rs. 7.2 million.



**Inauguration of Pressure Water Filtration Pump
At village Dabb Dawar Khel, District Karak**



**Inauguration of Water Filtration Plant
at Govt College Murree.**

C) Beautification / Renovation of Chowks

In order to create soft image, SNGPL has honored its CSR Policy once again by the Beautification / Renovation of Chowk at different location.

SNGPL has granted Rs 0.7 Million for Renovation of Chowk at Multan, Rs 2.1 Million for Fawara Chowk Rawalpindi and Rs 2.165 Million for Rashkai 2nd Round about Nowshera Mardan Road. Beautification / renovation at Chamkani Interchange, G.T. Road Peshawar has also been approved by the Management.



D) Provision of Grant to Pakistan Red Crescent

Pakistan Red Crescent Society was founded in 1947 after Pakistan's independence by an order called 'The Pakistan Red Cross Order' led by Nurse Saloni Malik. It was later renamed the Red Crescent Society or the Red Crescent Order. Its headquarters are in Islamabad. The Red Crescent society has helped millions of Pakistanis overcome disease and disaster, by offering support services for Pakistanis, which include, food, clean water, and medical services.

SNGPL has donated Rs 2.0 Million to the Pakistan Red Crescent for the up gradation of Ambulance for National Ambulance College Islamabad.



Mr. Amjad Latif handing over Cheque of Rs. 2.0 million to Pakistan Red Crescent

E) Energy Conservation

With a view to conserve Natural Gas, SNGPL is executing various projects for energy conservation. Ranging from impacting awareness to school going children to introducing devices which conserve gas, SNGPL is striving hard to develop a culture of conservation among the masses.

Following Energy conservation projects are currently at various stages of implementation.

a) Reduction in Electricity Consumption

SNGPL is committed in playing its part in overcoming the energy crisis prevailing in the country. SNGPL has developed a self performance and measuring mechanism to analyze the efforts made by all the regions in reducing their energy (electricity, fuel) consumption. Site wise yearly objectives are set to reduce energy consumption from previous year. 2-5% reduction in electricity consumption was achieved in the fiscal year 2015-16 at various sites of SNGPL and many other objectives of energy conservation are in progress with other SNGPL sites.



b) Installation of solar panels at consumer service centre Lahore and Islamabad:

Keeping in view the prevailing energy crisis in the country and use of alternate resources, Company may formulate a plan to shift its all consumer service centers (CSC) on the solar panels. As an initiative, SNGPL has installed the solar panel at (CSC) of

regional office Lahore. The cost of the Solar panels system is around Rs. 1.8 Million. It's a pilot Project.

After the Successful execution of the project, SNGPL is also installing Solar panel system at consumer service centre, Islamabad Distribution.



c) **Solar Water Heater**

Keeping in view the current energy crisis and gas conservation in view, SNGPL is offering the device to its valuable consumers at no profit basis with easy payments of up to 24 installments. The solar water heater is equipped with a storage tank of 200 liters capacity. Its environment friendly as carbon emissions associated with water heating are reduced or eliminated. Being a pilot project, a limited quantity of the device may be offered on first come first service basis.

Solar Water heater is an alternate of conventional geyser which provides the hot water during the whole day. It has 200 liters capacity water tank and 20 nos. of solar tubes which



make water hot directly from sun rays, it can server 3-4 persons easily. Its efficiency is to save hot water for 72 hours with minor loss of temperature.

SOLAR WATER HEATER			
PHASE-1			
Procured (Nos.)	Installed (Nos.)	Total Cost (million)	Installation Location
200	200	5.27	Lahore, Islamabad, Rawalpindi, Abbotabad, Bahawalpur, Kot Addu, DG Khan
PHASE-2			
Procured (Nos.)	Installed (Nos.)	Total Cost (million)	Installation Location
446	63	17.4	Lahore, Islamabad, Rawalpindi, Abbotabad, Bahawalpur, Kot Addu, DG Khan

Solar Water Heater Status

d) Geyser Timer Device

Keeping in view the current energy crisis and gas conservation in view, SNGPL is offering the device to its valuable consumers at no profit basis with easy payments of up to 12 installments. It can save 20% to 30% of gas consumption resulting in lesser gas bills.

Geyser timer device is a device which used to convert conventional Geyser temperature based thermostat into time base. By using this device this is possible for anybody to lemmatize his gas consumption and saving in Bill.



GEYSER TIMER DEVICE			
PHASE-1			
Procured (Nos.)	Installed (Nos.)	Total Cost (million)	Installation Location
4395	1153	20.5	Lahore, Islamabad, Rawalpindi, Abbotabad, Bahawalpur, Kot Addu, DG Khan

Geyser Timer Device Status

e) **Energy Conservation Projects under “Chair on Gas Engineering”**

SNGPL is sponsoring three ‘Chairs’ on Gas Engineering at University of Engineering and Technology (UET) Lahore, University of Engineering and Technology, Peshawar and University of the Punjab (PU). The Chairs were constituted to fulfill the OGRA licensing conditions to promote higher education. Company’s Corporate Social Responsibility policy also has an objective of providing support in promoting education and to enable education to reach to the under privileged nationwide. As per approval of OGRA and BOD, annual grant of Rs 3.32 Million is being disbursed to each university of carrying out research projects, alternate energy sources especially Solar energy and developing innovative techniques of energy conservation will be focused. This grant is further used for Lab maintenance and purchasing of books / literature / software and R & D equipments. Following models on various energy conservation topics have been made by universities improvements in which are under process:

1. Densification of Bio Mass / Bio Mass Gasifier (UET, LHR) –UET research team has fabricated a Solar Bio Mass Water Heater. Cow dung, Bo mass and low quality coal are used as heating pallets in this Gasifier.
2. Energy efficiency in Small to Medium size industry through improvement in Design of Industrial Gas Burners (PU, LHR) – Punjab University research team is working on the model burner design for reduction in gas consumption. Comparison of old and new (proposed) gas burner has been carried out with respect to design changes, percentage of gas saving and percentage of bill saving. Research team is of the view that 10% of gas can be conserved by the usage of proposed burner.
3. Technology for desalination of water with solar energy (PU, LHR) – A prototype has been developed by PU research team. The team was advised by SNGPL to find alternative / innovative ways in technology to reduce cost and improve the efficiency.
4. Arsenic Removal Plant, Adsorption Technology (PU, LHR) – Adsorption model for Arsenic Removal has been made by PU research team. Improvements in design with respect to cost are in process.
5. Generation of Bio Gas and its integration in current Natural Gas Line (UET, PSR) – Prototype model of Bio Gas Plant of 20m³ capacity has been fabricated by UET, Peshawar. To increase the methane content up to 90%, for the removal of H₂S (10-100ppm) and to bring CO₂ in acceptable range, chemical scrubbers are being designed.

SNGPL has financed development of laboratory at UET Peshawar. Laboratory development includes:

1. Hardware
2. Electronics
3. Equipments
4. Tools
5. Books / Literature / Software / Magazines

f) **Gas Conservancy Campaign in Collaboration with WWF**

Gas Conservation is an essential aspect of gas management, planning and its distribution. Its conservation and efficient usage is essential saving the fast depleting natural resources while also paying less in gas bills. In this regard, Media Affairs Department of SNGPL and Corporate relation Department of WWF-Pakistan launched the gas conservation campaign for FY 2012-13 in the schools of Punjab and Khyber Pakhtun Khawa for the second consecutive year to educate the younger generation about this very cause.

g) **International ECO Internship Program**

1st International ECO Internship Program 2014 launched in collaboration with WWF. Agreement signed on 30.04.14 and Rs 1 Million was contributed to WWF for the purpose of. 2nd International ECO Internship Program 2015. Agreement was signed on 12.05.15. SNGPL has sponsored 3000 students from both Government and private Educational Institutions of class six (6) and above, including 1000 students from less privileged institutions, falling under SNGPL's



J.S Public School Chaklala, RWP

business network, which includes Punjab, KPK and AJK. SNGPL collaborated with WWF Pakistan and announced grant of Rs. 1.5 million to launch "International ECO Internship Program-2015.

The five session long summer Internship Program has been completed during the year and students of 57 different schools were given opportunity to get internships. This program was based on special training by Environmental experts, group works, participation in different activities, interactive discussions i.e. how to protect environment, creative green challenges, environmental documentary – making and finally an exposure visit to a place of ecological importance including highlighting its environmental hazard. The whole program is interactive and motivating for enabling students to get the opportunity to be affiliated with the global organization and create genuine sense of civic responsibility in the students.



Mr.Farrukh Majeed (GM,HSE) at award ceremony at GCU, FSD.



Award Ceremony at The Educators School, Sarai Alamgir

h) Installation of Bio Gas Plant at Village near Sheikhpura

Bio gas is the best alternative of natural gas. It is being produced from agriculture and animal waste. Biogas is environmental friendly and can help reduce pollution. It contains high quantity of methane which is a major component of natural gas.



Rural areas where natural gas is facility is not available, bio gas can fulfill domestic requirements. SNGPL has installed a biogas plant of 100m³ capacity at a village near Sheikhpura, for the community. The cost of the plant is around 2.9 million rupees. The Biogas plant is working successfully and the gas produced is sufficient for 60-80 numbers of people. Company has a plan to install further plants at different locations.



BENEFITS OF BIO-GAS PLANT:

Bio gas plant reduces the consumption of wood and LPG resulting in monetary saving for the community. Additionally, fertilizer from bio gas is 40% more rich in nutrients.

It decreases the use of animal dung and wood for cooking which reduces the risk of disease.

It reduces the bad smell from animal waste and improves the surroundings esthetically.

Previously handling of cow dung was carried out by female members of the community which has been minimized resulting in extra time available to female members.

F) Relief Activity for the Community

SNGPL has donated Rs 1.833 Million for provision of 250 number of Shelters to the Afectees of Heavy rains / floods in Murree / AJK.

G) CSR Human Resource Department:

Provision of equal opportunity of employment to all Pakistanis through merit based recruitment policy.

For children of employees, 60 scholarships are provided every year covering admission fee expenses up to Rs. 30,000/- and tuition fee Rs. 3,000/- per month for the duration of education program.

Religious aspirations of employees are fulfilled through provision of paid Hajj facility for up to 60 employees per year.

10 disabled /handicapped individuals were recruited during 2015-16.

61 individuals were engaged as apprentices during 2015-16.

316 students were engaged as interns during 2015-16.

H) 2nd National Seminar on Energy Conservation:

SNGPL organized 2nd National Seminar on Energy Conservation at University of Engineering and Technology, Lahore on 10th March, 2016. Honorable MD, SNGPL Mr.Amjad Latif graced the occasion with his presence along with Vice Chancellor UET, Lahore Prof. Dr. Fazal Ahmad Khalid. The topic of the seminar was Industry-Academia linkage on Energy Conservation. The seminar was attended by all the top management of SNGPL.

Speakers from both academic and industrial background were invited to the seminar. Presentations were given by Research teams from Punjab University Lahore and UET Lahore on energy conservation projects been funded by Sui Northern Gas Pipelines Limited (SNGPL). Small and medium enterprisers attending the seminar were also given time for presentations. Presentations were followed by question and answer session for interaction between audience and speakers. Energy projects were displayed by research teams of Universities. MD SNGPL and VC UET Lahore visited the Projects display

section. Mr.Amjad Latif gave encouragement to the research teams working on energy conservation projects and lauded their efforts.



MD SNGPL along with VC UET Lahore



SNGPL Top Management at the seminar



GM-HSE receiving shield from MD SNGPL



Mr.Amjad Latif interacting with project teams

NSEC 16
National Seminar on Energy Conservation

At present, the country is facing acute shortage of energy. A variety of factors in Pakistan have made it a victim of the worst type of energy crisis. Shortage of Gas, oil and electricity is considered to be a major cause to block Pakistan economic growth and poverty alleviation. Indeed, Energy supplies of Pakistan have not been able to keep pace with rising demands. The inabilities of Pakistan traditional supplies to keep pace with demand are placing a serious constraint on the national economy.

In view of this situation, it has become impossible to run the industry, which has also reduced national export of manufactured goods. Due to this energy crisis, many industries have been closed resulting in increased rate of unemployment in the country. The potential for making more energy available to the country through improving conservation of energy is required to be substantial. Besides monitoring, energy conservation has other benefits. It saves down the road for all important and accompanying foreign exchange.

In the national interest, SNGPL has focused on energy conservation. SNGPL has initiated many research programs for efficient and effective utilization of gas in domestic and industrial sectors in collaboration with academia. As a first step in this regard, 2nd National Seminar to promote Industry-Academia linkage on Energy Conservation has been sponsored by SNGPL. It is expected that this seminar will effectively serve the main purpose of gas conservation in the country.

- **Solar Bi-Mass Water Heater**
For those areas where natural gas is not available this type of water heater serves the purpose. Uses solar energy, biomass and non-draft pellets.
- **Multi-Tube Water Heater**
This type of water heater consumes 50 half inch pipe in 70 water tanks for first process and consumes only less natural gas.
- **Solar Single-Burner Stove/Gasifier**
Provides heat by using biomass and solar energy for kitchen use. This type of stove operates on low biomass for longer periods.
- **Solar Single-Burner Pellet Stove/Gasifier**
Optimal compromise on agriculture waste pellets for kitchen use.
- **Solar Single-Burner Single Charge Stove/Gasifier**
For present periods. But type is more sporadic. Consumes specific quantities of agricultural waste and solar energy for gasification.
- **Solar Dual-Burner Gasifier**
Gases are produced in production section which produced heat in burner. Use solar energy and biomass.
- **Commercial Solar Gasifier**
This gasifier converts agricultural waste into combustible gases and is capable of running 8 to 10 burners at a time.
- **Solar Commercial Single-Burner Stove/Gasifier**
This stove/gasifier operates by using solar energy and pellets of agricultural waste and can be used in hotels and restaurants.
- **Industrial Gas Burner**
This is a forced draft pre-mixed type of burner which is designed to ensure efficient and effective consumption of natural gas and excellent fuel efficiency.
- **Solar Water Heater System**
This system utilizes the cleanest solar energy to heat up the water for residential and industrial purposes.
- **Green Time Heater**
The device can make existing thermostat fire on and automatically turning the gas off to prevent any special position, as well as ensuring heating of water quickly in winter nights.

D) Natural Gas Conservation Program In Collaboration with WWF:

Natural gas is a precious and scarce natural resource and Pakistan is fortunate to have been blessed with it. It therefore becomes necessary to educate masses for wise use of natural gas to ensure its sustainability. Equally important is to make consumers aware of safety measures in case of an emergency.

Keeping in view the significance of the issue, Sui Northern Gas Pipelines Limited (SNGPL) entered into partnership with the Worldwide Fund for nature (WWF – Pakistan) for energy conservation. One important component of this project is gas conservation lecture in schools.



Mr.Asif Shakeel interacting with students

These lectures are specially designed for the school students and comprise of different sections in order to impart information to them while keeping their interest intact.

Under this program, SNGPL has so far sponsored 60,000 students of Private / Public sector schools, colleges and universities at a total cost of Rs. 4.5 million.



Lecture on Gas Conservancy to school student.

Assurance Statement



Independent assurance report to Sui Northern Gas Pipelines Limited on their 2015 - 2016 Sustainability Report

Scope and Objectives

URS Pakistan (URS) was engaged by Sui Northern Gas Pipelines Limited (SNGPL) to undertake assurance on their 2015 -2016 Sustainability Report. Our scope of work included conducting assurance procedures over all text and data contained in SNGPL's Sustainability Review 2015 - 2016. The objective of our engagement was to obtain limited assurance that the Report provides an appropriate presentation of SNGPL's sustainability performance.

Respective Responsibilities & Independence

SNGPL are responsible for the preparation of the sustainability information and the statements contained within the Report. They are responsible for determining their sustainability objectives and for establishing and maintaining appropriate performance management and internal control systems from which the reported information is derived.

URS are responsible for reporting to SNGPL on its assurance conclusions. The work that URS conducts for clients is solely focused towards independent assurance, training, inspection and certification activities relating to auditing techniques and approaches. Our processes are designed to ensure that the work we undertake with any client is free from bias and conflict of

interest. URS and the staff that have undertaken the review work on this assurance exercise have provided no consultancy related services to SNGPL in any respect.

Assurance Approach

Our activities included an overall review of the report content against the principles of Materiality, Inclusiveness & Responsiveness. We communicated with SNGPL to determine the accuracy and authenticity of report content, data points, methodologies and policies around the organization's social, environmental & energy conservation data and activities.

Our procedures on this engagement included:

- Gain an understanding of SNGPL's focus areas for sustainability as part of the business strategy and operations;
- Verify the robustness of the data management system, information flow and controls;

The work was planned & carried out to provide limited, rather than absolute assurance and we believe that the desk top review of the SNGPL's Sustainability Report completed by URS provides an appropriate basis for our conclusions.

Conclusions & Recommendations

Based on our work described in this assurance letter, nothing has come to our attention that causes us to believe that the subject matter disclosed in the SNGPL's Sustainability Report 2015 - 2016 does not give a fair picture of SNGPL's sustainable development performance. We also believe that the Report provides a fair, reasonable and balanced representation of information concerning their initiatives to HSE matters, Occupational Health, Education, & Energy conservative initiatives.

However the following recommendations have been identified:

With respect to the principle of Inclusivity, SNGPL should actively engage with their stakeholders and that a regular review of their inputs is noted for completeness and relevance. A formal stakeholder engagement plan should be developed and managed to ensure that this process continues to inform risk management and operational strategies towards ongoing sustainable development.

With respect to adherence to the principle of Responsiveness, SNGPL should ensure that feedback to stakeholders on sustainability matters should be timely, such that all presentations of results – including interim results – include a reasonable discourse regarding SNGPL's most material sustainability issues.

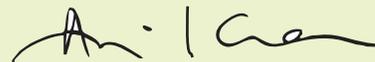
Reporting on social performance, particularly with respect to Corporate Social Investment (CSI) and/or Socio-Economic Development (SED) expenditures, should be structured to improve the quality of data regarding actual developmental impacts. While the current case studies, in most cases, provide interesting reading on SNGPL's contributions to the communities in which they operate, there is little data to support an assertion that the investments

are having a material impact on intended developmental objectives.

While SNGPL's has taken significant steps to further embed sustainability into the business activities at all levels, we recommend that they continue to work on developing decision-making tools that include sustainability considerations in all key business decision-making processes. Furthermore, we recommend that SNGPL develops a framework for measuring and valuing sustainability impacts associated with its business activities that will support reporting to key stakeholder groups.

Recommendations regarding areas for improvement of the sustainability disclosure and management system at SNGPL are being communicated to the firm in an internal report.

On behalf of United Registrar of Systems



Ali Khan
Chief Executive
United Registrar of Systems Karachi,

January 04, 2017.