



FPCCI/Coord.Wing/2020
14th July 2020

Executive Committee Members FPCCI
General Body Members FPCCI
Member Trade Bodies FPCCI
Conveners/Deputy Conveners FPCCI Standing Committees
Chairmen/Directors FPCCI Business Councils
Prominent Businessmen and Industrialists

Subject: Industry Compliance Against Environmental Regulatory Requirements

SGS Pakistan in collaboration with FPCCI Standing Committee on Environment has arranged a Live Webinar on Industry Compliance against Environmental Regulatory requirements to comply with environmental regularization.

In this connection a detailed presentation delivered by SGS Pakistan is enclosed herewith for your kind information which will guide you and facilitate the basis regulatory environmental compliance from Environmental Protection Agency (IPA).

Best Regards

Amjad Qureshi
Addl. Secretary General (II)

Encl: As above

Copies to: Office Bearers – FPCCI
Secretary General – FPCCI

FPCCI Head Office, Karachi, Pakistan

Federation House, Main Clifton, Block-5, Abdullah Shah Ghazi Road, Karachi-75600, Pakistan. Tel: (92-21) 35873691-94 Fax: (92-21) 35874332 E-mail: info@fpcci.org.pk Web: www.fpcci.org.pk

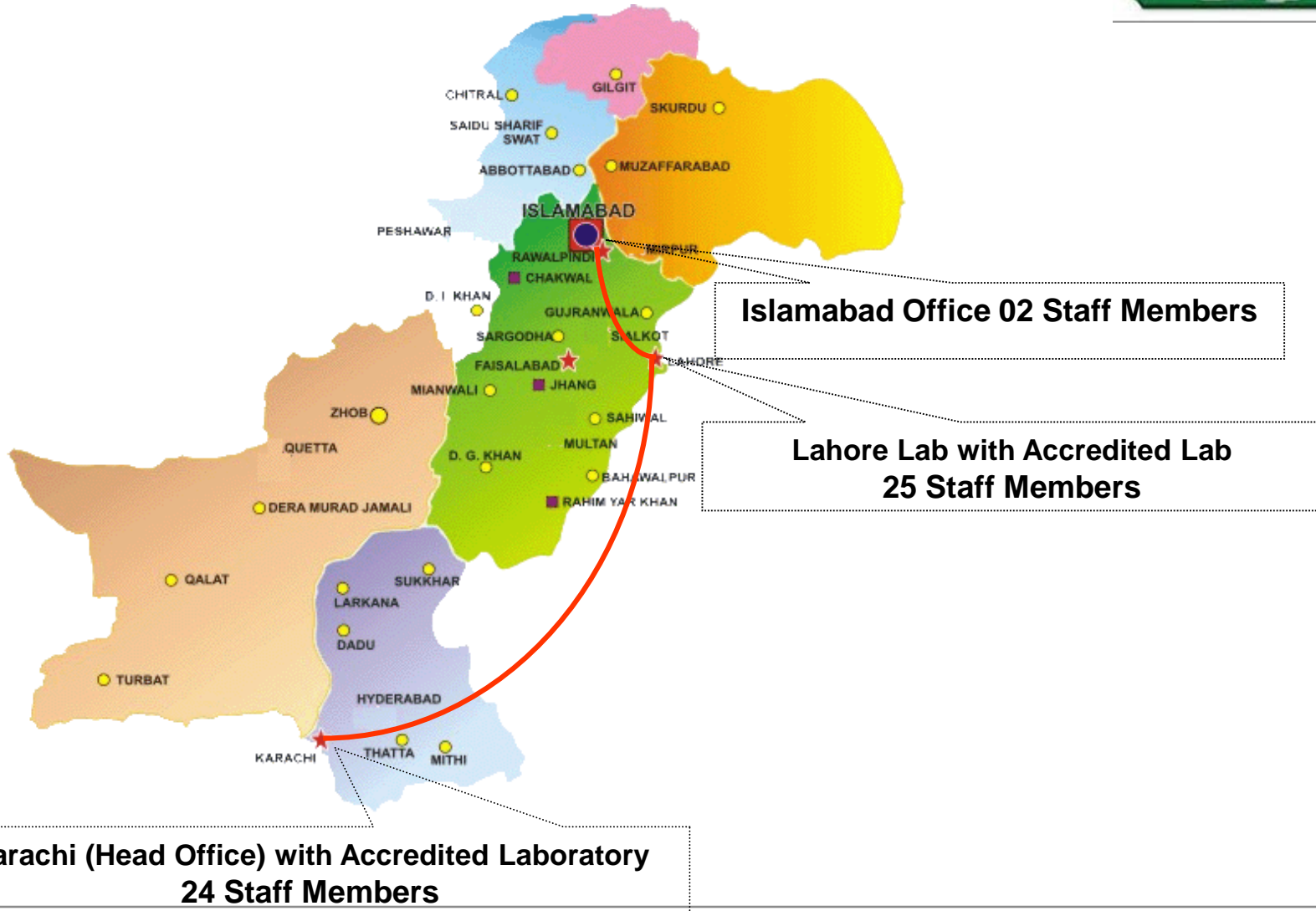
FPCCI Capital Office, Islamabad	FPCCI Regional Office, Lahore	FPCCI Regional Office, Peshawar	FPCCI Regional Office, Quetta	FPCCI Regional Office, Gwadar
Capital House, G-8/1, Aiwan-e-Sanat-o-Tijarat Road, Maue Area, Islamabad Tel: (92-51) 2251891-3, 2289303 Fax: (92-51) 2251894 E-mail: islamabad.capital@fpcci.org.pk	50-A, Tufail Road, Lahore Cantt Tel: (92-42) 36670970-71 Fax: (92-42) 36670972 E-mail: lahore.regional@fpcci.org.pk	Office No. 516, 517, 518, 5th Floor, Block-C, City Towers, University Road, Peshawar, KP, Pakistan. Tel: (92-91) 5704291-2 Fax: (92-91) 5846259 E-mail: Peshawar.regional@fpcci.org.pk	Office No.7, 2nd Floor, QCCI Building, Zarghoon Road, Quetta, Cantt, Pakistan. Tel: (081) 2826472 E-mail: quetta.regional@fpcci.org.pk	Business Centre, Gwadar Free Zone, Pak-China Friendship Road, Gwadar Tel: (92-86) 4211112 E-mail: gwadar.regional@fpcci.org.pk



**WEBINAR
ON
INDUSTRY COMPLIANCE AGAINST
ENVIRONMENTAL REGULATORY
REQUIREMENTS**

**SGS PAKISTAN (PVT) LIMITED
ENVIRONMENT HEALTH & SAFETY SERVICES**





SGS EHS COMPETITIVE STRENGTHS

- SGS Pakistan EHS Services is certified as per ;
 - ISO 9001 QMS
 - ISO 14001 EMS
 - OHSAS 18001 MS

- SGS Pakistan EHS Services is Accredited as per ;
 - Laboratory services as per ISO 17025 PNAC
 - Field services as per ISO 17020 from PNAC

- Approved Environmental Laboratories
 - EPA-Sindh
 - EPA - Punjab

- NOC's obtained against EIA / IEE / EMP reports from all four provinces

A close-up photograph of green plant leaves, likely corn, with several water droplets on their surfaces. The leaves are vibrant green and the background is a soft-focus blue sky. An orange horizontal band is overlaid across the middle of the image.

THE ENVIRONMENTAL PROTECTION ACT

WHEN YOU NEED TO BE SURE

SGS

“An Act to provide for the protection, conservation, rehabilitation and improvement of Environment, for the prevention and control of pollution, and promotion of sustainable development”

- Parts I to XI
- Total sections 37
- Part I to Part IV - Section 1 to 10 (Definitions, functions & power of agency & counsel, tribunals, development fund)

EXTRAORDINARY

Registered No. M324



The Sindh Government Gazette

Published by Authority

KARACHI THURSDAY MARCH 20, 2014

PART-IV

PROVINCIAL ASSEMBLY OF SINDH
NOTIFICATION
KARACHI, THE 20TH MARCH, 2014.

NO.PAS/Legis-B-06/2014- The Sindh Environmental Protection Bill, 2014 having been passed by the Provincial Assembly of Sindh on 24th February, 2014 and assented to by the Governor of Sindh on 19th March, 2014 is hereby published as an Act of the Legislature of Sindh.

**THE SINDH ENVIRONMENTAL PROTECTION
ACT, 2014.**

• SINDH ACT NO. VIII OF 2014.

**AN
ACT**

to provide for the protection, conservation, rehabilitation and improvement of the environment, for the prevention and control of pollution, and promotion of

**Part V-
Prohibition and
Enforcement**

Section 11 – NEQS/SEQS Monitoring

Section 12 - Hazardous Substance Import

Section 13 - Handling of Hazardous Substances
(License)

Section 14 – Hospital Waste disposal

Section 15 – Vehicular Monitoring

Section 16 - Certified Environmental Laboratory

**Part VI-
Environmental
Examinations
and
Assessments**

Section 17 – Environmental Assessment (IEE/EIA)

Section 18 – Strategic Environmental Assessment

Section 19 – Environmental Monitoring (IMC)

Section 20 – Environmental Audit & Review (EMP)

Part VII- ENVIRONMENTAL PROTECTION ORDER

Part VIII- OFFENCES AND PENALTIES

Part IX- ENVIRONMENTAL PROTECTION TRIBUNAL AND COURTS

Part X- PUBLIC PARTICIPATION

Part XI- GENERAL

THE ENVIRONMENTAL PROTECTION ACT,2014
NOTIFICATION NO EPA/TECH/739/2014
(ENVIRONMENTAL QUALITY STANDARD, 2015)

**AMBIENT
AIR**

**VEHICLE
EXHAUST
AND
NOISE**

**INDUSTRIAL
GASEOUS
EMISSION**

NOISE

**DRINKING
WATER
QUALITY**

**MUNICIPAL
AND
LIQUID
INDUSTRIAL
EFFLUENT**

PUNJAB/SINDH/NATIONAL ENVIRONMENTAL QUALITY STANDARD, 2015

NATIONAL/PUNJAB/SINDH ENVIRONMENTAL QUALITY STANDARDS FOR AMBIENT AIR

THE ENVIRONMENTAL PROTECTION ACT, 2014 NOTIFICATION NO EPA/TECH/739/2014
(SINDH ENVIRONMENTAL QUALITY STANDARD, 2015)

SGS Pakistan has state of the art
Three (03) ambient Air Quality station
in Karachi & Lahore to measure
the ambient air quality below parameters :

- Carbon Monoxide (CO)
- Sulphur Dioxide (SO₂)
- Nitrogen Dioxide (NO)
- Nitrogen Dioxide (NO₂)
- Suspended Particulate Matter
- Particulate Matter (PM_{2.5})
- Particulate Matter (PM₁₀)
- Lead (Pb)
- Ozone (O₃)



NATIONAL/PUNJAB/SINDH ENVIRONMENTAL QUALITY STANDARDS FOR MOTOR VEHICLE EXHAUST AND NOISE

THE ENVIRONMENTAL PROTECTION ACT, 2014 (NOTIFICATION NO EPA/TECH/739/2014)
(SINDH ENVIRONMENTAL QUALITY STANDARD, 2015)

- Carbon monoxides particularly dangerous to infants and people suffering from heart disease because it interferes with the blood's ability to transport oxygen.
- Diesel engines emit high levels of particulate matter responsible for skin and eye irritation and allergies, and very fine particles lodge deep in lungs, where they cause respiratory problems.
- Noise from cars is also harmful, damaging hearing and causing psychological ill-health.

SGS EHS Services can Perform measurement of below parameters

- Smoke
- Carbon Monoxide (CO)
- Noise



NATIONAL/PUNJAB/SINDH ENVIRONMENTAL QUALITY STANDARDS FOR INDUSTRIAL GASEOUS EMISSION

THE ENVIRONMENTAL PROTECTION ACT, 2014 (NOTIFICATION NO EPA/TECH/739/2014)
(SINDH ENVIRONMENTAL QUALITY STANDARDS)

- Air pollution occurs when harmful or excessive quantities of substances including gases, particulates. It may cause diseases, allergies and even death to humans and may damage the natural or built environment. Both human activity and natural processes can generate air pollution.
- SGS EHS Services provide Stack Emission monitoring as per SEQs Advise Parameters and specific hazardous substance as USEPA guidelines.



NATIONAL/PUNJAB/SINDH ENVIRONMENTAL QUALITY STANDARDS FOR MUNICIPAL AND LIQUID INDUSTRIAL EFFLUENT

THE ENVIRONMENTAL PROTECTION ACT, 2014 (NOTIFICATION NO EPA/TECH/739/2014)
(SINDH ENVIRONMENTAL QUALITY STANDARD, 2015)

- Water pollution may pose serious threat to the environment as well as lives. Pollutant effects may vary depending on their types and source. For instance, while heavy metals, dyes, and some other organic pollutants have been identified as carcinogens, hormones, pharmaceuticals, and cosmetics and personal care product wastes are known as endocrine disruptive chemicals.

- SGS EHS Services provide
 - ✓ Sampling & analysis of Industrial Effluent
 - ✓ Base Line Study for Effluent treatment Plant



- In Pakistan, the main reasons of waterborne diseases in drinking water are the addition of municipal sewage and industrial wastewater at different points of the water distribution network.
- Infant deaths caused by water-related diarrhea are 60% in Pakistan according to International Union on Conservation of Nature (IUCN) report, which is the highest ratio in Asia.

SGS Offer

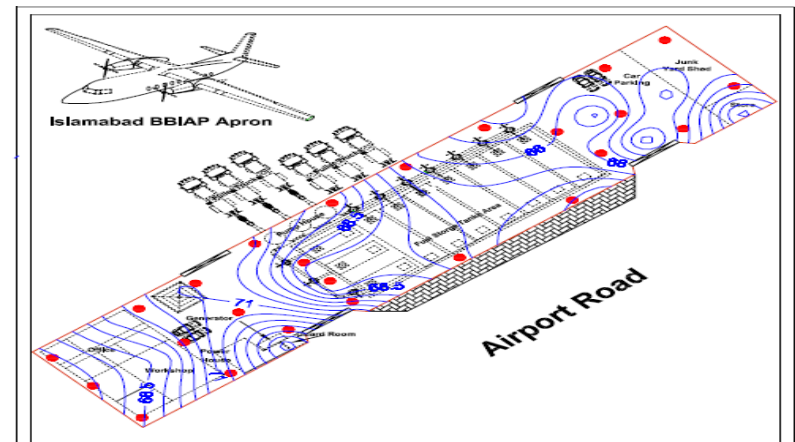
- Drinking water are sampled and analyzed as per WHO/SEQS/NEQS guidelines for physical, chemical and microbiological analysis.



NATIONAL/ SINDH ENVIRONMENTAL QUALITY STANDARDS FOR NOISE

THE ENVIRONMENTAL PROTECTION ACT, 2014 (NOTIFICATION NO EPA/TECH/739/2014)
(SINDH ENVIRONMENTAL QUALITY STANDARD, 2015)

- Recent research shows that road traffic and aircraft noise increase the risk of high blood pressure, especially noise exposure at night.
- Noise pollution affects both health and behavior. Unwanted sound (noise) can damage physiological health. Noise pollution can cause hypertension, high stress levels, tinnitus, hearing loss, sleep disturbances, and other harmful and disturbing effects



SGS Offer

- ✓ Acoustic Survey
- ✓ Personal Noise Exposure
- ✓ Noise Countering

Corporate Requirements & Projects

- Legionella Survey & risk assessment
- Waste & Sludge Sampling
- Stationary Source Emission Monitoring (Continuous & Discontinuous)
- Fugitive Emissions
- EMF & NORM Survey
- Specific Noise Monitoring, Contouring & Dosimetry / illumination Survey
- Vibration Analysis on Human Health
- Indoor Air Quality Measurements
- Clean Room Validation
- Baseline Data Generation for Wastewater Treatment Plant.
- Exposure assessment for the workers protection for physical, chemical or microbiological agents

Corporate Requirements & Projects

- Environmental & Social Impact Assessment (ESIA) as per IFC / World Bank / ADBP / Equator Principle Guidelines
- Environmental Site Assessment (ESA) & Due Diligence (EDD)
- Human Health and Ecological Risk Assessments
- Soil, Sediment & Groundwater Contamination Assessment
- Asbestos Identification & Risk Assessment
- Meteorological & weather measurement (incl. wind measurement)
- GHG Verifications, Carbon Foot printing / Neutrality
- Geotechnical, Topographic, Hydrological & hydrogeological Investigations
- Energy Audits
- Ergonomic Survey
- Industrial Hygiene

Thank You