

MUHAMMAD NIGAR

Environmental Manager

Double Gold-Medalist

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EXPERIENCE

Environmental Manager

Al-Ostool Al-Aali

09/2024 – Upto Date | New Murrabba (Mukab)

- Lead environmental compliance for the project in alignment with local and international regulations.
- Develop and implement site-specific Environmental Management Plans (EMPs) and Waste Management Plans.
- Conduct environmental impact assessments (EIA), risk assessments, and mitigation strategies.
- Supervise dust, noise, water, and waste monitoring activities; ensure corrective actions are being taken when limits exceed.
- Coordinate with project stakeholders, regulatory bodies, and sub-contractors to ensure environmental requirements are integrated into project execution.
- Oversee implementation of environmental best practices on-site, including dust control, spill prevention, and material reuse.
- Train site staff on environmental awareness, incident reporting, and emergency preparedness.
- Prepare detailed environmental reports, audits, and documentation for internal and external review.
- Promote sustainability initiatives, including reuse of construction waste.
- Ensure compliance with ISO 14001 and facilitate third-party audits.

Environmental Manager

Haji Latif Constructions

03/2022 – 07/2024 | Islamabad Express Way

- Directed the overall environmental strategy and compliance for infrastructure and construction project (Badhar Bridge, Swat Tunnel).
- Developed, reviewed, and enforced Construction Environmental and Social Management Plan (CESMP)
- Liaised with Pak-EPA and ensured timely submission of permits, reports, and compliance documents.
- Oversaw the implementation of environmental policies on-site, including pollution prevention, biodiversity protection, and sustainable material use.
- Monitored and reported on key environmental indicators: air quality, noise, water quality, hazardous waste, and carbon emissions.
- Led incident investigations, root cause analysis, and implementation of corrective and preventive actions (CAPA).
- Managed environmental teams and consultants; ensured adequate resources and training were provided.
- Integrated environmental risk assessments into project planning and design phases.
- Promoted circular economy initiatives, such as reusing construction materials (e.g., used tires, concrete, or wood) for site infrastructure and landscaping.
- Conducted regular audits, inspections, and internal reviews to ensure continuous improvement and regulatory compliance.
- Delivered environmental awareness programs to workers and subcontractors.
- Supported client and stakeholder communication regarding environmental performance and sustainability goals.

SUMMARY

Environmental Manager with a strong academic foundation and hands-on experience in environmental compliance, sustainable construction, and risk mitigation across major infrastructure projects. Honored with two Gold Medals for academic excellence in both BS and MS Degree. Skilled in applying geological and environmental expertise to develop and implement site-specific Environmental Management Plans (EMPs), conduct impact assessments, and ensure full adherence to local and international environmental regulations. Proven ability to lead multidisciplinary teams, engage with stakeholders, and drive innovative, cost-effective solutions that minimize environmental impact and enhance sustainability performance on construction sites.

EDUCATION

Ph.D (In Progress)

2022 Onward

NCEG, Pakistan

Masters/M.Phil

2018-2022

Distinction: Gold Medal

Department of Earth & Environmental Sciences

Bahria University, Pakistan

BS (Hon.)

2012-2016

Distinction: Gold Medal

Department of Geology

UOM, Pakistan

CERTIFICATIONS

EMS ISO:14001

LEED AP BD+C

Environmental Management (Level III)

Environmental Eng. Safety

COSHH Risk Assessor

Frist Aid

Fire Safety

AutoCAD

Environmental Engineer

Absal John Paul

📅 04/2019 – 12/2021 🏢 King Abdullah Financial Distt (KAFD)

- Ensured compliance with KAFD environmental standards and NCEC.
- Conducted regular site inspections for dust, noise, waste, and water management.
- Implemented and monitored Construction Environmental and Social Management Plan (CESMP) on-site.
- Supervised daily environmental monitoring and prepared compliance reports.
- Managed spill prevention, waste segregation, and hazardous material handling.
- Conducted toolbox talks and awareness sessions for site workers.
- Supported audits and reporting.

Geo-Environmental Engineer

Pak Construction Engineering

📅 10/2016 – 11/2018 🏢 Bahira Enclave Sector-G

- Assessed soil and groundwater conditions for villa foundations.
- Oversaw excavation, dewatering, and backfilling in line with environmental and geotechnical standards.
- Monitored dust, noise, and water quality to ensure regulatory compliance.
- Managed waste segregation, spill control, and environmental risk mitigation.
- Supported EMP preparation, site inspections, and sustainable construction practices.

RESEARCH EXPERIENCE

- 📄 Quantitative Assessment of Petrophysical Properties and Reservoir Potential of Chorgali and Sakessar Formations in Dakhni-6 & Ratana-3 Wells, Potwar Sub-Basin, Pakistan.
- 📄 Evaluating Reservoir Characteristics of Eocene Sequences in Potwar Sub-Basin Wells, Pakistan.
- 📄 Impact of Public-Private Partnership and Technology Transfers on Environmental Sustainability
- 📄 Empowering Greener Future: Unveiling the Impact of Green Finance, Economic Growth and FDI on Environmental Sustainability in South Asia
- 📄 Integrating Green Marketing Practices into Sustainable Marketing Strategies: A Pathway to Long-Term Business Success
- 📄 PhD Research: Impact of Climate Change on Coastal Aquifers of Pakistan. Status: In Progress

LANGUAGES

English	●●●●●●●●
Urdu	●●●●●●●●
Arabic	●●●●●●●●
Pushto	●●●●●●●●

COMPETENCIES

Environmental Impact Assessments (EIA)
Environmental Compliance and Regulations
Biodiversity Protection
Risk Assessment and Mitigation Strategies
Project Management
Sustainable Development
Environmental Management Plan (CESMPs, EMPs)
Water Resources Management
Geology and Hydrogeology Expertise
ArcGIS and Remote Sensing
Environmental Monitoring and Reporting

TECHNICAL SKILLS

ArcGIS | SimaPro | Sound PLAN | SPSS Stata |
Hydrological Modeling (MODFLOW, SEAWAT)
| Data Analysis | Environmental Monitoring
Tools | Microsoft Office | Geological Mapping