



PRAYUKTI GROUP

ISO 14001 : 2015 Certified ISO 9001:2015 Certified

Prayukti International was established by a group of renowned environmentalists devoted to making a significant change by offering cost effective quality environmental consultancy, giving top priority to customers need. The company currently has a footprint that covers the Indian Subcontinent, Middle East and South-East Asia with the ability to offer services globally.



Prayukti International understands that every responsible organisation strives to seek sustainable solutions that are not only practical but also economically sensible. While working with the companies that are operating in a competitive market, Prayukti International offers its vast experience and acquired knowledge to develop sustainable solutions for our clients.

Prayukti Group of industries

Swarnibi Foundation - Conduct Training, Skill Development, Livelihood and CSR activity

InstruMedica - Designer and Manufacturer of Specialised Medical Equipments

Our Professionals

Mr. Swarnabha Bandyopadhyay

Joint Japan / World Bank Graduate Scholar Masters in Env. Sc. &Tech – IHE, Delft, Netherlands **Director**

Dr. Aniruddha Dey

PhD in Anthropology

Advisor – Social & Climate Change

Bhaskar Bandyopadhyay

Masters in Economics; CIF, AMFI

Advisor – Finance, Due Diligence & Governance

Sudipta Ghosh

MBA in Forestry Management,

Advisor – Forestry

Dr. Vaishali Pendse

PhD (Engg., NIT Raipur)

Principal Consultant – Industrial Projects

Prof (Dr.) Debabrata Mukhopadhyay

PhD (Engg., NIT Durgapur)

Principal Consultant – Innovation and Developments

Sounak Mukhopadhyay

Masters in Environmental Engineering

Team Leader – Training & Compliance

Dr. Biplab Ghosh

Ph.D in Civil Engineering from IIT, Guwah

Head – Water & Sustainability

Upamannu Banerjee

Masters in Sociology

Team Leader - Social Safeguard

Basabdu Chakraborty

MSc. In Environmental Science, FAE

Ecology & Biodiversity Specialist

Prithwiraj Kundu

Masters in Environmental Science

Tead Lead – Infrastructural Projects

Dr. Bidisha Mukherjee

PhD in Environmental Science, Masters in Zoology, Ecology, Environment

Env. Specialist – Infrastructure, Decarbonization& Climate Change S

Dr. Sourav Samanta

PhD in Science (GeoInformatics)

Head - GIS & Remote Sensing



Felicitation

- Core team members with 25+ years of international environmental consulting experience in India, South East Asia, Middle East and North America.
- Team includes PhDs, ME & M.Sc. from reputed International Institutes.
- MoU Partnerships with Institute of repute (IITs) and MoEF Nodal Organisations.
- In-house capability for full-scope Environmental Monitoring and Modelling (air, water and noise)
- Exclusive tie-ups with International SMEs for niche services.
- Experienced team to deal with social and livelihood related projects
- Core team members have global experience in Advisory, Due diligence, Auditing, Climate Change, Health, Safety, (Safety Health) Risk and Disaster Management.



Dear Mr. Swarnabha,

I whole heartedly would like to extend my appreciation towards Prayukti International for successfully completing our project of "Advisory Support to Chhattisgarh Environment Conservation Board (CECB) and Naya Raipur Development Authority (NRDA)" in an efficient way.

The professionalism and sincerity exhibited by your team is commendable and deserves recognition. I must say that you have a team who are very professional in their approach and work with absolute dedication and always deliver on-time.

We wish that our association will go a long way creating pillars of success.

I, once again would like to congratulate your team for their wonderful job and wish that the same spirit will continue in our future projects also.

Yours sincerely,


Shuvendu Bose | Executive Director | Advisory Services

Select Projects

ADVISORY & PERMITTING SERVICE

- EHS Safeguard Support to Uttarakhand Workforce Development Project by State Project Implementation Unit, Dehradun - A **World Bank** project
- Consultancy for EIA study for CRZ Clearance – **Andaman Nicobar Islands**
- Conducted EIA and obtaining EC and CTE and CTO for Landfill Site for Municipal Committee at **Leh** and **Kargil**
- Environmental Advisory Services to Chhattisgarh Environment Conservation Board (**CECB**) – Naya Raipur Development Authority
- Consent to Operate (CTO) Renewal for Ambuja Cement Ltd, Raigarh
- Environmental Compliance Support to **Peerless Hospitex** Hospital & Research Centre, Panchasayar, South 24 Parganas, WestBengal

CLIMATE CHANGE & SUSTAINABILITY

- Technical Assessment of Program Preparation Study for a Program Budget Support for Disaster Risk Reduction and Preparedness in Himachal Pradesh – An Agence Francaise de Developpement (**AFD**) project
- Preparatory Studies and Procurement Support (PSPS) under Urban Infrastructure Improvement Preparatory Facility (UIPF) in Narayananj, **Bangladesh** – An **ADB** project
- Climate-Risk Vulnerability Assessment for Borouge 4 – A project of **ADNOC** Group at **UAE**

EHS, SOCIAL & LIVELIHOOD SUPPORT ASSESSMENTS & MANAGEMENT PLANS

- Conduct of Environmental Assessment (EIA) Studies for NH 127B in the States of Assam & Meghalaya - A **JICA** Project
- Social Impact Assessment (SIA) and Livelihood Support Plan (LSP) on Etawah-Chakeri (Kanpur) section of NH-2 in the state of Uttar Pradesh for Oriental Trust – An **IFC** project
- Environment and Social Safeguard Services to PDMC for Improving Readiness of Integrated Urban Planning and Infrastructure Development for Urban Local Bodies in Tripura - An **ADB** project
- Preparation of ESIA Report and GIS Support for the project: Augmentation and Strengthening of Municipal Infrastructure including New Water Supply Scheme in 10 ULBs in the State of Jharkhand (JUIDCO) - A **World Bank** project
- Skill Training and Livelihood Assessment for Micro Planning and Enhancing Livelihood Opportunities on behalf of Assam Projection Forest and Biodiversity Conservation Society (APFBCS) - An **AFD** project
- Environment & Social Impact Assessment and Land Acquisition for Development and Preparation of Integrated Strategic Development Plan (ISDP) - Inland Water Transport in West Bengal – A **World Bank** Project
- Conduct of Social Impact Assessment Studies for ADNOC Group of Companies at UAE

EHS DUE DILIGENCE, AUDIT & COMPLIANCE ASSESSMENT

- Environmental Due-Diligence Audit for Mid-Term Review of Environmental and Social Management Systems of SUMMIT Power Corporation, **Bangladesh** – An **IFC** project
- Conduct of Environment and Social due diligence of the project for CUBE Highways – An **IFC** project
- HSE Legal Compliance Audit at SC Johnson Facility, Bamunimaidan, Guwahati, Assam
- Conduct Environmental and Fly Ash Audit Report for **Tata Metaliks**, **JSPL** and **JSW** etc.
- Conduct of Water Audit for **MSP**
- Conduct of Safety Audit for **Vishnu Chemical**
- Conduct of Road carrying capacity and Audit for Agarsen Re-Rollers Pvt Ltd.

EHS MONITORING AND SOCIAL SURVEYS

- Environmental Baseline monitoring at the tourist destinations in Tripura - LEA Associates South Asia Pvt. Ltd (**LASA**)

- Ground Water and Quality Monitoring for **Ambuja Cement** Ltd, Raigarh(CG)
- Conduct of Stack Emission Monitoring at an Industrial Hazardous Waste Management facility of Boom Waste Treatment Co. at Mesaieed Industrial Area, State of Qatar for Heavy metals–USEPA Method 29; and Dioxin and Furan – USEPA Method 23.
- Facilities Need Assessment Survey for users of Land Port of India (LPAI) at Petrapole, India-Bangladesh Border.

FEASIBILITY / DETAILED PROJECT REPORT (DPR) STUDY WITH PLANNING AND ECONOMIC ANALYSIS

- Estimation of Pollution Load and GIS application for determining requirement of CETP including design and specification development for Khammar Industrial Area near Rajarhat, New Town – A project of Deutsche Gesellschaft für Internationale Zusammenarbeit (**GIZ**)
- Project Management consultancy for preparing Preliminary Project Report (PPR) for Chhattisgarh State Minor Forest Produce Co-operative Federation Ltd.
- Development of Detailed Project Report and Tendering Support including Engineering, Drawing, Soil & Topo Survey for Legacy Waste Assessment at Kurbathang in Kargil – **Directorate of Urban Local Bodies, Ladakh**

GHG ACCOUNTING, BAT ASSESSMENT, MODELLING AND ENERGY PERFORMANCE REVIEW

- Air Quality Dispersion Modelling Study using AERMOD for Tatweer Petroleum in **Bahrain**
- Air and Noise Studies using AERMOD & SOUND PLAN for Sakarya Gas Field (**Turkey**) Integrated Project for Turkish Petroleum Corporation (TPAO)
- EIA including GHG accounting, BAT assessment, Modelling and Energy Performance review for ADNOC TAZIZ PROJECT – **DNV**, Abu Dhabi, **UAE**
- Air and Noise dispersion modelling for the proposed STP at Salwa Beach Resort, Qatar under **METITO Overseas**
- MOL Zalata- Dravica Pre-FEED Study - MOL Pipeline for **Hungary** to **Croatia**

IMPLEMENTATION SUPPORT

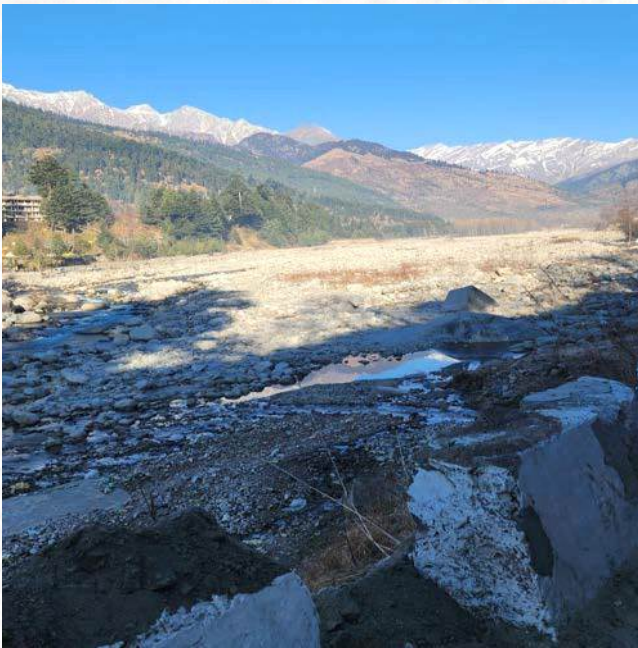
- Specialist Technical Support Consultancy for Kerala Solid Waste Management Project - A **World Bank** Project
- Environmental Safeguard Services to Design, Construction Supervision and Project Implementation Support for West Bengal Drinking Water Sector Improvement Programme (24 North Parganas) – An **ADB** project
- Environmental Safeguard Services for Design and Supervision for Kolkata Environmental Improvement Investment Programme (KEIIP)-Tranche 2 for Kolkata Municipal Corporation – An **ADB** project

IT & ITeS

- Scanning & Digitization of Engineering Documents as part of e-library development for DVC
- Design and Implementation support for real time environmental data transfer from industries to CECB data Server through IOT in Chhattisgarh

POLLUTION CONTROL EQUIPMENT & SYSTEMS

- Design, Built, Operate and Transfer (DBOT) of one 100 KLD and another 55 KLD Sewage Treatment Plants at DSTPS, Damodar Valley Corporation (**DVC**), Andal, West Bengal
- Design, Procurement, Installation and Commissioning of a 50 KLD ETP for Chhattisgarh, Rice Mill, Kanker
- Conduct of Relative Accuracy Test Audit (RATA) to determine efficiency of Air Emission Control System and recommend design modification for a waste incineration plant of **Kepel Seghur** at Mesaieed Industrial Area, State of **Qatar**



Climate Change



Energy Review GITI Uttarakhand



Summit Corporation, Bangladesh



PRAYUKTI GROUP

Client



Partner



A. Advisory Services

We have provided various advisory services to key government bodies and also other non-government organisations in the fields of Environment, Health, Safety & Sustainability.

Types of Activities:

- Development of Micro Action Plan and Local Area Plan
- EHS compliance.
- Environmental Site Assessment.
- EHS Audit and Due Diligence Services.
- Policy and Programme Development

B. Air, Water, Noise Monitoring & Analysis, Modelling

The team of Prayukti International can help to develop sustainable environmental monitoring strategies that blends seamlessly with the client's operations.

Types of Activities:

- Analysing trends.
- Developing Statistical Metrics
- Climate Modelling
- Forecasting using numerical modelling.

C. Climate Change & Sustainability

We have a multi-disciplinary team to perform any kind of assignment related to climate change and sustainability.

Types of Activities:

- Carbon Footprint
- GRI - Sustainability Reporting
- ESG
- GHG - CBAM Reporting

D. CSR

We are having extensive experienced team members who have handled several CSR projects efficiently.

Types of Activities:

- Consultancy
- Impact Analysis
- Due Diligence
- Planning, Implementation and monitoring the project.

E. Disaster Risk Reduction

We have vast experiences to design policies and develop DPR related to flood water management, Slope Stabilisation and Draught.

Following activities:

- Development of Early Warning System (EWS)
- Integrated approach to flood risk management
- Nature based solution

F. Due Diligence

We have been doing ESDD in several countries. Investigation, Understanding and Identification are the three pillars of this decision-making tool.

Types of Activities:

- End - Term
- IFC - Performance Standards
- Equator Principals
- Mid - Term

G. Engineering Services (incl. IT & ITes)

- Design Calculation
- Scanning & Digitization
- Schematic and good for Construction Drawings.
- Topo Survey
- Meta Data Processing
- Soil Engineering & Survey

H. Environmental Impact Assessment (EIA)

We have developed EIAs in various countries that address a variety of regulations, project constraints, financial strictures to achieve a sustainable solution aligned with the client's vision

Key Regulatory Authorities:

- ADB
- QP
- ADNOC
- Saudi Aramco
- MRME, Oman
- World Bank

I. Environmental Pollution Control Systems

Environmental pollution control system is a tool to fight against climate change and pollution. At Prayukti, we promote clean and hazard free environment.

Following aspects of services:

- Air Pollution Control - ESP, Bag Filter
- Rain Water Harvesting
- Water Pollution Control - ETP, STP, Desalination
- Waste Management & Control Engineering
- Noise Pollution Control
- Renewable Energy Installation

J. GIS Services

Prayukti Internationals provide GIS services for client in terms of quick and smart generated mapping techniques.

Following Activities:

- Foundation for mapping and analysis.
- Environmental mapping.
- Integrating location data.
- GIS based Decision Support System

K. Health & Safety Services

Prayukti provides Health (Public & Occupational) and Safety services like :

- Building Safety
- Emergency Preparedness
- Mitigating Physical Hazards
- Occupational Health Assessment & Ergonomic Studies
- PPE Management
- Transport of Hazardous Materials
- Disease Prevention & Awareness
- Fire Prevention
- OHS Training
- Traffic Safety

L. Human Resource- Man Power Support and Service.

Prayukti provides specialist human resources to Government and Non-government organisations in India and abroad to run their activities in Environment, Health, Safety and Sustainability sector.

M. Social & Livelihood

Prayukti Intl. has provided advisory services, supervision consultancy, research and survey services, and manpower support. Here are the following activities:

- Environmental and Social Due Diligence
- Livelihood Assessment and Livelihood Support Plan
- Preparing ESIA and ESMP

N. Technical Safety & Risk Assessments

The main objective of QRA is to make quantification of the risk involved in the operations in the chemical industries and processes.

Types of activities:

- Consequence analysis.
- Frequency estimation and Risk analysis/Risk assessment.
- Hazard Identification.
- Processed Hazard Analysis (PHA)



Public Consultation



Effluent Treatment Plant with Tertiary Facility

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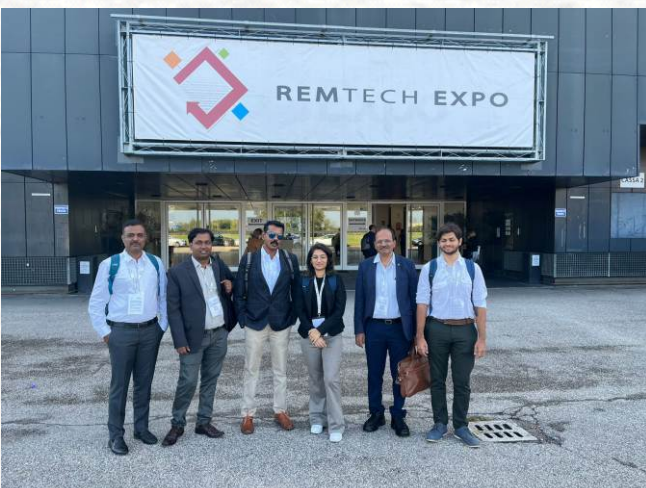
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At Ferrara, Italy in 2023



Relative Accuracy Test Audit at a Bio-medical Incineration plant in Qatar