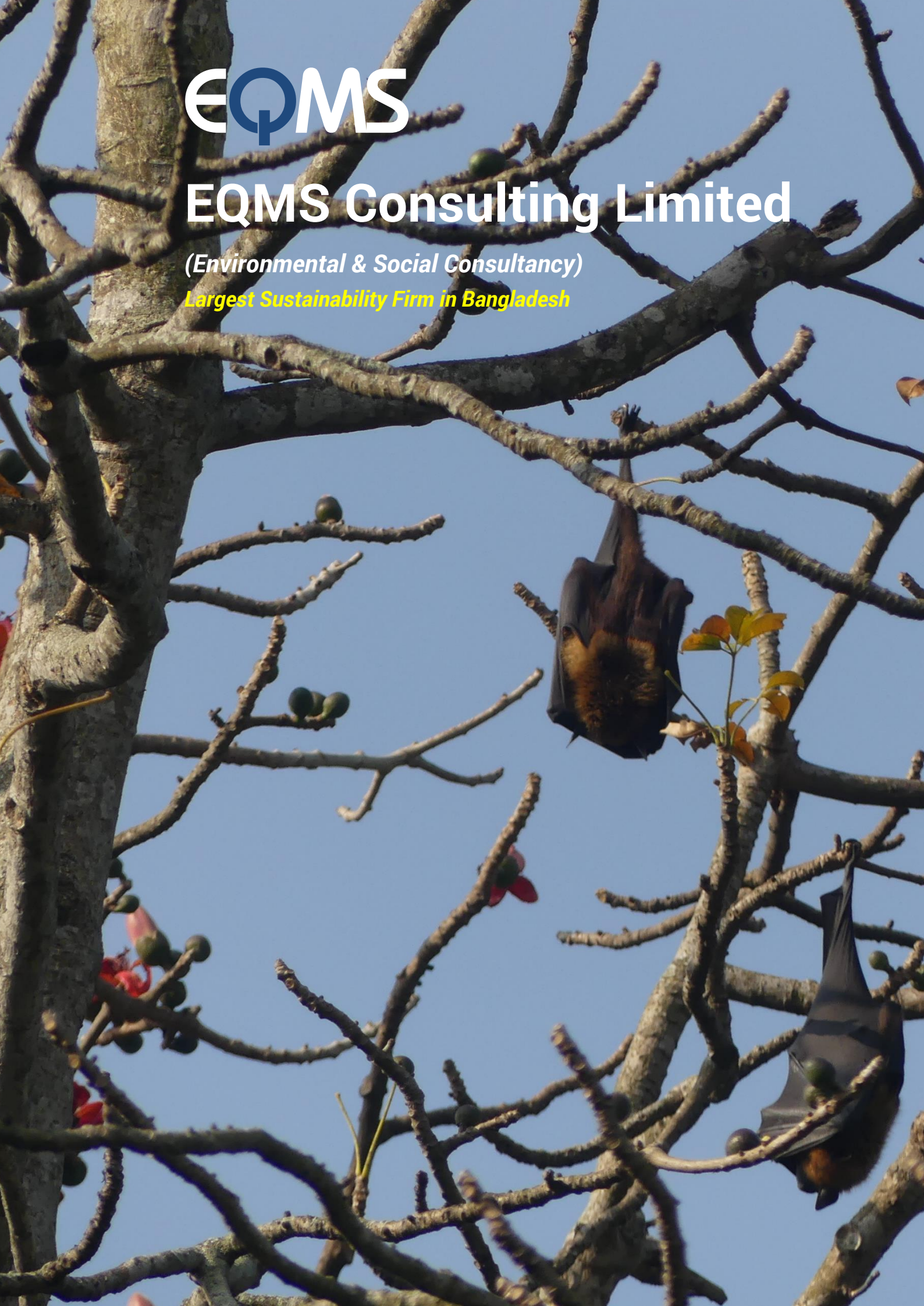




# EQMS Consulting Limited

*(Environmental & Social Consultancy)*

*Largest Sustainability Firm in Bangladesh*



# ECOLOGICAL CONSULTANCY

*Leading Sustainability Firm in Bangladesh Since 2002*

EQMS Consulting Limited (EQMS) is the leading-reputable and most experienced Private Sector Environmental & Social Consultancy Company in Bangladesh provides expertise services for transfer of appropriate, affordable, acceptable and no environmental damage pertaining technology to the requirement of small, medium and large industries with particular emphasis on Energy and Power, Road/ Infrastructure, Agriculture and Food processing, Chemical and Fertilizer, Oil and Gas Exploration Sector, Cement and Paper, Leather and Textile, Garment, Pharmaceutical, Wastes and by products utilization, Water Resource Management, Sanitation and Pollution Control Management Plan, etc.



## Why EQMS?

EQMS' Ecological team consist of skilled biologist from multidisciplinary educational and professional background. EQMS' Ecologist team has vast experience to work with both diversified wildlife species including dolphin, birds, fish, microorganism, Asian elephant, Bengal tiger etc., and in habitat like forest, mangrove, swamp, oxbow lake etc. The EQMS' Ecology team has conducted significant ecological study and monitoring.

## Services for Ecological Consultancy

### Equipped Modern Laboratory

- EQMS has separate accredited laboratory for aquatic plankton and benthos population identification;
- Phytoplankton and Zooplankton identification, relative abundance and population density analysis
- Benthos identification
- Water quality analysis



### Ecological Baseline Survey

- Checklist preparation
- Identification of threatened and conservation significant species
- Assessing conservation importance wildlife habitat
- Identification and listing of floral and faunal species of conservation significant (in accordance with local and international IUCN);
- Identification of different habitat types and provide information on forest types, species composition, terrain and topographical features



### Biodiversity Management and Action Plan

- Identification of problem, prospect and future of Biodiversity Management;
- Identifying the threats and providing field based monitoring plan;



### Ecological Impact Assessment

- Identification of threatened wildlife as well as plant species
- Identification of Critical Habitat
- Habitat Sensitivity Analysis
- Identification of biodiversity threats
- Determining the field-based practical mitigation measures

The logo for EQMS, featuring the letters 'EQMS' in a bold, sans-serif font. The 'Q' is stylized with a blue circle around it.

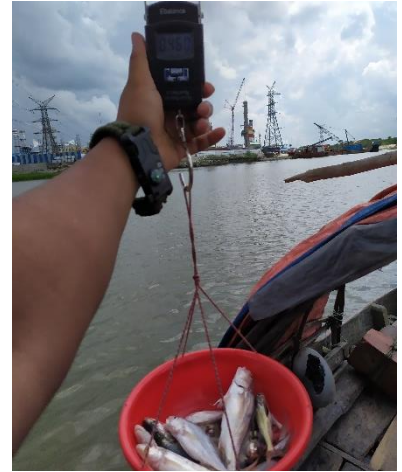


## Fish and Fisheries Diversity and Composition Analysis

- Potential fish kill
- Capture Fisheries: Diversity index, Catch per Unit Effort (CPUE), richness composition, habitat suitability index, hatchling availability, etc.
- Culture Fisheries: pond water availability period, productivity

## Dolphin Survey

- Dolphin habitat analysis
- Develop the methodology and conduct the dolphin survey
- Calculating the encounter rate
- Develop the dolphin management and action plan
- Dolphin food item analysis



## Vegetation Attributes Analysis

- Plant growth, canopy coverage, plant health and disease analysis
- Calculating Relative frequency and relative abundance
- Shannon Diversity Index
- Identification of conservation significant species
- Plant disease and its Significance
- Disease types and transmission
- Pathology and disease Control



## Population Ecology

- Wildlife population census, especially mammals including bats, birds, herpetofauna
- Population estimation
- Population density and relative frequency analysis
- Identification of significant and threatened wildlife species



## Bat and Bird Survey for Wind Projects

- Baseline of existing Bat and Bird species
- Identifying of flagship species and flight height
- Capture to identify of bat species through specialized net
- Vegetation occurrence and habitat improvement
- Management of collision reduction
- Monitoring plan of the species and carcass survey



## Turtle and Tortoise Survey

- Species availability and composition
- Nesting ground identification
- Breeding ground identification
- Hatchling and nest management
- Monitoring of hatchling and nesting ground.





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