

Requirement Sheet

- 1) About your company/Firm (Company profile, Establishment date, Name of the owner, Vision, mission, etc..)
- 2) List of Services / Products (Content and images- in the same order, you want to publish on your website)
- 3) Products / Services categories / Sub categories (If any)
- 4) Contact Details (Address, Email, Mobile, Phone Numbers required on website)
- 5) Co.Logo (png format) - If any
- 6) Competitors Name and websites (Optional)
- 7) Client's List (Optional - If you want to publish on your website)
- 8) Client's Testimonials (Optional - We suggest you to publish the same on your website)
- 9) Any website which you want to share with us (With the reason of sharing)
- 10) Domain Name Details (If domain is already registered please provide the- Web Registrar url, username and password - If not registered yet please confirm the preferred domain name to register)

1. About your company/Firm (Company profile, Establishment date- 27July 2017, Name of the owner- Pvt.ltd. firm, Vision, mission, etc..)

- **Company profile:**

- **INTRODUCTION**

- "Welcome to Biom tech pvt ltd, where cutting-edge technology meets a passion for environmental stewardship. As a pioneering force in the realm of air and water pollution projects, we are committed to creating a sustainable world for generations to come.
- At Biom tech pvt ltd, we harness the power of innovation to tackle some of the most pressing challenges of our time. Our team of dedicated experts combines their profound knowledge of environmental science with state-of-the-art technologies to develop groundbreaking solutions that combat pollution at its source.
- With air quality and water purity becoming increasingly critical concerns, we stand at the forefront of the battle against pollution. Our portfolio boasts a diverse range of advanced products and systems designed to mitigate pollution, reduce emissions, and enhance the quality of air and water resources.
- What sets us apart is our unwavering dedication to technological excellence and the relentless pursuit of eco-consciousness. By pushing the boundaries of what's possible, we've been able to forge a path that redefines environmental sustainability.
- As we venture into a future where the health of our planet hinges on decisive action, [Company Name] remains steadfast in its commitment to creating a cleaner, greener world. Join us on our mission to revolutionize the fight against pollution and safeguard the air we breathe and the water we cherish.
- Together, let's build a future where innovation becomes the driving force behind environmental preservation. Together, we can make the world a better place, one project at a time.

Welcome to the forefront of biotech innovation, pollution solutions. Welcome to Biom tech pvt ltd

Company Overview:

- Welcome] to Biom tech pvt ltd, a pioneering force in the field of water and air pollution management for over two decades. For the past 23 years, we have been committed to developing innovative and sustainable solutions to combat water and air pollution, making a significant impact on the environment and the communities we serve.
- Our journey began with a clear mission - to safeguard the precious resources of water and air for future generations. Over the years, we have channeled our expertise and dedication into creating cutting-edge solutions for wastewater management, river and lake cleaning, and air pollution control, earning us valuable design patents that testify to our inventive prowess.
- Through extensive research and collaboration with leading experts, we have harnessed the power of technology and ecological insights to design advanced systems for wastewater and efficient management. Our solutions not only preserve freshwater but also ensure its optimal utilization, mitigating the effects of water scarcity and droughts across various regions.
- Furthermore, our commitment to rejuvenating water bodies has been at the heart of our efforts in river and lake cleaning. By employing innovative and eco-friendly techniques, we have revitalized polluted waterways, restoring aquatic ecosystems and providing sustainable habitats for aquatic life.
- Addressing the pressing issue of air pollution, we have developed and implemented advanced air pollution control systems that efficiently reduce harmful emissions. Our state-of-the-art solutions have played a pivotal role in improving air quality and enhancing public health in urban and industrial areas.
- The impact of our work has been far-reaching, with our solutions successfully implemented at more than 1000 locations across India. The trust placed in us by communities, industries, and government authorities has been a driving force behind our relentless pursuit of excellence.
- Recognition from esteemed bodies such as the Central Ground Water Authority and NGT team further validates our commitment to environmental conservation. These commendations have reinforced our resolve to continue pushing the boundaries of innovation and sustainability.
- As we look ahead, we remain steadfast in our mission to create a cleaner, greener future. Guided by our core values of integrity, ingenuity, and environmental responsibility, we strive to leave a lasting positive impact on the planet.
- Join us on this journey of environmental stewardship as we work together to combat water and air pollution, safeguarding the well-being of both present and future generations.
- Welcome to Biom tech pvt ltd, where innovation meets environmental preservation.

Mission, Vision, and Values:

- Mission:

- "To lead the charge in environmental conservation by developing and deploying cutting-edge solutions for water and air pollution management. We are committed to empowering communities and industries to adopt sustainable practices that preserve precious resources and promote a healthier planet."

- Vision:

- "To create a world where water and air are pristine, and every individual and organization embraces responsible environmental stewardship. We envision a future where pollution is minimized, ecosystems flourish, and the harmony between humans and nature is restored."

- Values:

- **Innovation:** We embrace creativity and foster a culture of continuous improvement. Through innovation, we strive to develop groundbreaking solutions that address complex environmental challenges effectively.
- **Sustainability:** We are deeply committed to practices that ensure the long-term viability of our solutions and operations. Sustainability is at the core of our decision-making, promoting the conservation of natural resources.
- **Integrity:** Honesty, transparency, and ethical conduct underpin everything we do. We value the trust our clients, partners, and stakeholders place in us and uphold the highest standards of integrity in all our endeavors.

- **Collaboration:** We believe that collective efforts yield greater impact. Collaborating with experts, communities, and organizations allows us to foster meaningful partnerships and co-create sustainable solutions.
- **Empowerment:** We empower individuals and communities to take an active role in environmental preservation. Through education and knowledge-sharing, we inspire action and drive positive change at all levels.
- **Environmental Responsibility:** Recognizing the significance of our role, we shoulder the responsibility of safeguarding the environment seriously. We strive to minimize our own ecological footprint while guiding others towards environmentally responsible practices.
- **Customer-Centricity:** Our clients' success and satisfaction are central to our mission. We listen to their needs, tailor solutions to their specific challenges, and deliver exceptional service, ensuring they achieve their environmental goals.
- **Social Impact:** We are dedicated to making a positive impact on society. Our efforts go beyond business goals, extending to supporting communities and initiatives that uplift and empower vulnerable populations.
- **Quality and Excellence:** We uphold uncompromising standards of quality and excellence in all aspects of our work. From research and development to implementation and support, we strive for the highest levels of performance.
- **Adaptability:** The environmental landscape is ever-changing, and we embrace adaptability as a means to stay relevant and effective. We remain agile in responding to emerging challenges and opportunities.

These Mission, Vision, and Values statements align with the company's dedication to environmental preservation and demonstrate a commitment to driving positive change in the realm of water and air pollution management.

2. List of Services / Products (Content and images- in the same order, you want to publish on your website)

- Product -1

Decentralized Sewerage Treatment Plant (DSTP)- URBAN PURE

USP's (Unique Selling Propositions)

- Technology: HFM Manufacturing Technology Transferred from IIT
- HG-SBR Manufacturing Technology Obtained From Bhabha Atomic Research Centre (BARC)
- Water Quality Tested By BITS Goa/DRDO & MOEF Approved Labs
- Four Stage Suction Filter Developed By In House Team Of Engineers
- SCADA Enabled, AI & Machine Learning Protocol Applied System
- Dimension: 2-5 square meter
- Lightweight Easy To Install
- Solar Powered / Low Energy Consumption (2kW or 2 Unit/Hr.)
- UV (Ultra Violet) Filtration Inbuilt
- Fully automatic, self-cleaning(Back wash), low maintenance

SPECIFICATION

- Material: GRP (Glass Reinforced Plastic)
- Capacity: 20KL & 40 KL
- Particle Filtration Up to 0.8 Microns
- No Need Of Tertiary Treatment
- Stylish design and innovative technology
- Dimension: 2-5 square meter
- Fully Automatic
- Quite And Economical
- Odour Free
- Light Weight Easy To Install





Product -2

DeCentralized Effluent Treatment Plant (DETP)- URBAN PURE **USP's (Unique Selling Propositions)**



Product -3

Bus Roof Mounted Air Purification System (BRMAPS):

- Technical Specifications of Bus Roof Mounted Air Purification System (BRMAPS):

Mounting and Safety:

- The BRMAPS is designed to be securely mountable on the roof of the bus, ensuring the safety of passengers and preventing any risks during operation or transit.

Air Quality Monitoring System:

- The BRMAPS is equipped with an advanced Air Quality Monitoring System that enables real-time measurement of the air quality within the bus or the immediate surrounding environment.

Pollutants Measured:

- The Air Quality Monitoring System on the BRMAPS is capable of measuring the following pollutants:
- **Particulate Matter (PM10):** Fine particles with a diameter of 10 micrometers or smaller.
- **Particulate Matter (PM2.5):** Fine particles with a diameter of 2.5 micrometers or smaller.
- **Sulfur Oxides (SOx):** Gaseous pollutants containing sulfur, such as sulfur dioxide (SO2).
- **Nitrogen Oxides (NOx):** Gaseous pollutants containing nitrogen, such as nitrogen dioxide (NO2).
- **Temperature:** Ambient air temperature within the bus.
- **Humidity:** Relative humidity of the air within the bus.

Real-time Data Transmission:

- The BRMAPS is equipped with a data transmission system that allows real-time air quality data collected from the bus to be transmitted online to an Integrated Command and Control Center. This enables instant monitoring and analysis of air quality conditions.

Air Purification System:

- The BRMAPS features a robust air purification system that is capable of removing various pollutants and contaminants from the air within the bus. It ensures that the air circulated inside the bus is purified and free from harmful particles and gases.

Filtration Technology:

- The air purification system employs efficient filtration technologies, such as HEPA (High-Efficiency Particulate Air) filters and activated carbon filters, to effectively capture particulate matter and gaseous pollutants.

Energy Efficiency:

- The BRMAPS is designed to be energy-efficient, utilizing power sources that minimize energy consumption and reduce the impact on the bus's electrical system.

Safety and Compliance:

- The BRMAPS complies with all safety regulations and standards. It is designed to ensure passenger safety during operation and adheres to relevant environmental and transportation guidelines.

Data Visualization and Reporting:

- The Integrated Command and Control Center is equipped with data visualization and reporting tools that facilitate easy interpretation of real-time air quality data. Comprehensive reports and insights aid in decision-making and taking appropriate actions, if required.

Maintenance and Support:

- The BRMAPS is designed for ease of maintenance and is supported by a team of professionals who provide regular servicing and support to ensure smooth operation and accurate data collection.
- The BRMAPS brings cleaner and healthier air to the interior of buses, enhancing the comfort and well-being of passengers while supporting efforts to monitor and combat air pollution in urban environments.





Services-1

Drone(air quality monitoring service)

Technical Specifications for Hiring Drone Air Quality Services:

Air Quality Monitoring System:

The drone is equipped with a state-of-the-art Air Quality Monitoring System that enables real-time measurement of air quality in a designated area or specific locations.

Pollutants Measured:

The Air Quality Monitoring System on the drone is capable of measuring key pollutants, including:

Particulate Matter (PM10): Fine particles with a diameter of 10 micrometers or smaller.

Particulate Matter (PM2.5): Fine particles with a diameter of 2.5 micrometers or smaller.

Sulfur Oxides (SOx): Gaseous pollutants containing sulfur, such as sulfur dioxide (SO2).

Nitrogen Oxides (NOx): Gaseous pollutants containing nitrogen, such as nitrogen dioxide (NO2).

Temperature: Ambient air temperature in the monitored area.

Humidity: Relative humidity of the air in the monitored area.

Real-time Data Transmission:

The drone is equipped with advanced communication technology to transmit real-time air quality data to an Integrated Command and Control Center. This allows for instantaneous monitoring and analysis of the air quality situation.

Accuracy and Calibration:

The Air Quality Monitoring System on the drone is calibrated and maintained to ensure accurate and reliable data measurements. Regular calibration checks are performed to maintain data integrity.

Flight Range and Endurance:

The drone has a sufficient flight range to cover the designated area for air quality monitoring effectively. It is equipped with a high-capacity battery or fuel system to ensure an extended flight endurance for prolonged monitoring sessions.

Safety Measures:

Safety features, such as obstacle avoidance technology and fail-safe mechanisms, are integrated into the drone to ensure safe operations during flights.

Data Visualization and Analysis:

The Integrated Command and Control Center is equipped with data visualization and analysis tools to interpret the real-time air quality data efficiently. The center provides comprehensive reports and insights for informed decision-making.

Qualified Operators:

The drone services are conducted by experienced and licensed operators who adhere to all regulations and safety protocols for drone flights and data collection.

Environmental Mapping:

The drone's Air Quality Monitoring System is capable of generating environmental maps that highlight areas with varying air quality levels, aiding in identifying pollution hotspots and patterns.

Customizable Monitoring Plans:

The drone services can be tailored to specific client requirements, such as monitoring frequency, areas of interest, and the duration of data collection.

By offering these technical specifications, the drone air quality service ensures accurate and comprehensive real-time air quality monitoring, supporting environmental assessments and decision-making processes.



3.Products / Services categories / Sub categories (If any)

WATER

- 1. Decentralize Sewerage Treatment Plant.

DSTP * @10 Hour Operation/ Day

- i) 5 KLD (500 Liter./Hr.)
- ii) 20 KLD (2000 Liter./Hr.)
- iii) 40 KLD (4000 Liter./Hr.)
- iv) 20 KLD (Solar Powered)

- 2. Decentralize Effluent Treatment Plant.

DETP * @15 Hour Operation/ Day

- i) 10 KLD (750 Liter/Hr.)
- ii) 20 KLD (1500 Liter/Hr.)
- iii) 10 & 20 KLD (Solar Powered)

AIR

- 1. Bus Roof Mounted Air Filtration System.
- 2. Air Pollution Monitoring Drones.

4.Contact
Details (Address, Email,
Mobile, Phone
Numbers required on
website)

Regd. Office:

- M/s. BIOMIMICRY TECHNOLOGIES PRIVATE LIMITED
- Masoodpur, 4th Floor, Building No. 2, Vasant Kunj, Near JIMS
- New Delhi, Delhi- 110070

Factory Address:

1.B1, Administrative Building, RCC Structure, Survey No.
480/2 Nadupur(V), Visakhapatnam, ANDRA PRADESH-
530031

Mobile No.- 9811191140

Phone No.-

5. Co.Logo (png format) - If any



7. Client's List (Optional - If you want to publish on your website)

- Delhi Jal Board (DJB)
- Gujarat Tourism Board
- Gandhinagar Urban Development Authority(GUDA)
- WBPCB
- DLF (Solan, Himanchal Pradesh)

10. Domain Name
Details (If domain is
already registered
please provide the-
Web Registrar url,
username and
password - If not
registered yet please
confirm the preferred
domain name to
register)

- Biomtech.in