

To

INDRODUCTION LETTER

ION INDIA LIMITED specializes in turnkey water, sewage, wastewater, and recycle treatment, offering a complete range of systems and services. ION INDIA LIMITED designs and supplies water and wastewater plants, typically as an engineering, procurement, construction. ION INDIA LIMITED also supports clients with a small strategic utility planning practice. Our team of dedicated engineering professionals continues to invest in research and development of new processes and adaptations and improvement of proven processes. Technology transfer has typically been part of ION INDIA LIMITED investment in new locations.

Our core business is Turnkey Treatment Plants and Equipment and is focused on three principal areas: industrial water & wastewater treatment, municipal water & wastewater facilities, and facilities operations ownership and training. This core business is supplemented with a Strategic Utility Planning practice.

PROJECT EXPERIENCE

The skills and abilities of the ION INDIA LIMITED team have been demonstrated in projects as wide ranging as the emergency supply and installation of turnkey water treatment plants, sewage treatment plants distribution systems.

ION INDIA LIMITED design team uses a coordinated approach, drawing on the best talents from our offices. The head office is responsible for overall design, our team continually contributes their knowledge base to the pool, bringing the organization forward to new levels of achievement and recognition.

ION INDIA LIMITED TEAM

A staff of project engineers and technicians specialize in the design, installation and operation of turnkey water and waste water treatment solutions in some of the most challenging environments.

In general design, procurement, shop fabrication and assembly for ION INDIA LIMITED projects is carried out between the head office and our workshops. An experienced team is always assigned to oversee and direct fabrication and installation activities. Senior personnel carry out commissioning, overall project management, consulting and client liaison activities.

SERVICES

ION INDIA LIMITED provides a complete spectrum of services that cater to all issues pertaining to water, sewer and storm systems. From initial feasibility reviews to technical, financial, cost benefit and operational studies ION INDIA LIMITED and their staff have the experience to provide Complete Solution Capabilities.

OPERATIONS

As ION INDIA LIMITED is a provider of water technologies, we are able to meet operational needs through our offices, and are equally able to deliver the skilled technicians required to keep the systems constructed in top condition. We provide ongoing operations and maintenance duties at the facilities we construct. ION INDIA LIMITED can provide additional training and instruction to clients regarding the best operational methods to be used with their treatment system.

TURNKEY PRODUCT SOLUTIONS

ION INDIA LIMITED Technologies offers a complete range of products and services, addressing all water and wastewater treatment needs. These include technology, equipment, storage, distribution, utility services, rate studies, operation and maintenance services.

ION INDIA LIMITED has supplied these systems and draws on the technical expertise of employees to implement and manage. In addition to exceptional service, projects are delivered under a guaranteed timeline and follow ION INDIA LIMITED high performance standard of guidelines.

FILTRATION SYSTEMS (PSF)

ION INDIA LIMITED supplies a large variety of filtration systems that meet any water or wastewater treatment needs. We provide pressure sand filters (PSF) and activated carbon filters, softeners and de- ionization packages. ION INDIA LIMITED systems are designed to treat both ground and surface water sources – effectively removing particles that contribute to high turbidity and suspended solids.

ACTIVATED CARBON FILTRATION (ACF)

ION INDIA LIMITEDs ACF systems are used in water and wastewater treatment applications. These are utilized to provide tertiary treatment for wastewater recycling or used in conjunction with sand and multimedia filters for water treatment. ACF systems are used for taste and odor removal as well as refractory organic pollutant removal. ION INDIA LIMITED ACF systems have been supplied and are designed with multiport valves for automatic operation. ACF filters are available in various material constructions, such as FRP, mild steel epoxy coated and food grade stainless steel.

REVERSE OSMOSIS SYSTEMS (RO)

Reverse osmosis processes use a semi-permeable membrane to remove dissolved solids, organics, colloidal matter, bacteria and viruses from water. This operation produces one of the purest forms of water available. It qualifies under World Health Organization Standards as a suitable source for drinking water, and can be bottled or used in industrial processes where highly pure is necessary. ION INDIA LIMITED specializes in the supply of reverse osmosis systems for desalination, industrial water reuse, electronics manufacturers, and potable water supplies. Our packaged RO units can supply from several cubic meters per day to several thousand cubic meters per day.

ULTRA-FILTRATION (UF)

ION INDIA LIMITED UF systems find applications in water treatment as well as wastewater treatment. The ultra-filtration systems are used for water treatment in surface water applications where the turbidity is high. In wastewater applications, ION INDIA LIMITED UF finds its application in wastewater recycle as a pretreatment to the reverse osmosis system. ION INDIA LIMITED UF systems are supplied as skid mounted, modular systems, and are completely automated. Offered as a modular feature, the UF systems are easier to expand and operate. The system incorporates periodic backwash, rinse and CIP performed with pneumatic/electrically actuated valves and is controlled by a centralized PLC.

SLUDGE PROCESSING

ION INDIA LIMITED provides a wide variety of sludge processing systems, custom designed and engineered to meet the customer's needs. In addition to aerobic digesters, ION INDIA LIMITED can supply plate and frame type filter presses, sludge dryers, centrifuges and drying beds. The selection of a sludge dewatering process is specific to its location and nature of sludge. ION INDIA LIMITED can select the best process to meet your needs.

PHYSICAL - CHEMICAL

ION INDIA LIMITED has supplied physical-chemical wastewater and water treatment systems. The physical – chemical processes are a primary treatment operation which includes equipment's such as flocculates, Chemical reaction tanks, tube settlers, and primary clarifiers. The physical – chemical systems are combined with other downstream systems to provide a complete treatment solution.

Thanks and Regards
For ION INDIA LIMITED

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