



# NAANDANJAIN PROJECTS

## FROM RESOURCE TO ROOT™

NaanDanJain Irrigation Ltd. is the **leading** global producer and provider of **tailor-made irrigation** and **water solutions**. The company offers the widest range of **cost-effective** and customized technologies to more than 120 countries worldwide. With over 80 years' experience, NaanDanJain designs high **quality solutions** that deliver increased productivity per unit of resources. Our expertise drives **higher crop yields**, minimizes risks and saves **precious** non-renewable resources.

**NAANDANJAIN**  
A **JAIN IRRIGATION** COMPANY



FEASIBILITY STUDY ►► DESIGN ►► LOGISTICS ►► CAPTURE OF WATER ►► WATER CONDUCTION  
 ►► CONTROL HEADS ►► FILTRATION ►► FERTIGATION ►► OPEN FIELD ►► GREENHOUSES ►► AUTOMATION ►► INSTALLATION  
 ►► SUPERVISION ►► AGRONOMICAL SUPPORT ►► TRAINING ►► HANDING OVER

NaanDanJain offers end-to-end turnkey integrated services for large-scale projects worldwide. NaanDanJain is a global company and part of the Jain Corporation with subsidiaries and a wide spread of manufacturing facilities. This puts NaanDanJain in the lead as a supplier of irrigation products and water solutions. NaanDanJain provides integrated services for the entire project cycle, from the early planning stages to the final handing over to the client, as well as following up after project is completed. These services include: starting off with feasibility study to examine a project's profitability; designing the project's water capture, conduction and irrigation systems; installing systems on site under the supervision of expert technicians; training farmers and providing maintenance services after handing over to the client. NaanDanJain offers a variety of agricultural solutions provided by our team of agronomists, who analyze and advise on the best solutions on site. We offer open field irrigation, water conduction, the construction of agricultural structures with irrigation systems and the erection of high-tech greenhouses, to name but a few of our services and products.

**Feasibility Study** - NaanDanJain provides comprehensive research to maximize the success rate of each project. The study, which includes soil testing as well as analysis of climate, topography, etc., helps to determine which crops and water regime should be implemented in a specific project. The process meets the farmer's needs and matches his inputs to create a solution that is suitable for future implementation. NaanDanJain therefore helps the farmer to improve water intake and crop yields, with the help of a 'top-of-the-line' team of agronomists who visit the site and determine the best plan of action for the project. NaanDanJain's expert agronomists suggest the best micro-irrigation solutions that include fertigation (fertilizing through the irrigation system). Their focus is on using less water and less fertilizers to increase crops yields, thereby reducing the farmer's costs and labor.

**Design** – NaanDanJain's engineering department creates a detailed design with maps for execution and installation, as well as a detailed Bill of Quantities that includes all of the project's components. The planning includes a complete water conduction solution From Resource To Root. The topography of the area is taken into consideration to find the most energy-efficient location for the pump stations and control heads. The water regime is planned according to local conditions and work force. NaanDanJain's design also includes a wide range of control and filtration solutions with professional automation solutions and fertigation machines. All designs are planned by experienced irrigation and water engineers, and they meet the highest standards.

**Logistics** - NaanDanJain manufactures the company's home products and procures the rest of the project's components from leading companies in the market. It is a full turnkey operation, starting with the detailed design and ending with the shipment of containers to the farmer's port or field. The logistics department, together with the project division, ensures that shipping is fast and accurate. Their top management tools and their vast experience in delivering all over the world help to ensure that the schedule of the project stays on track.

**Installation in field** - From the planning stage to the implementation in the field, NaanDanJain provides agronomists and technical experts who supervise the installation process from A-Z, giving their professional input for the best installation in field. The installation stage includes the implementation of different complex systems: the capture of water in water reservoirs; water conduction; pump stations; control heads; filtration systems; fertigation systems; automation systems; driplines; sprinklers; agro-structures and greenhouses with a variety of growing methods, such as hydroponic and soil-less growing with water recycle systems and climate control systems. The hands-on presence of the NaanDanJain team ensures smooth installation on site. These experts also provide helpful training for the local staff who will later run the systems on their own.



**Post-sale services** - NaanDanJain experts continue training and supporting the farmers to ensure a successful handing over of the project. NaanDanJain agronomists stay on site during and after the handing over, and show the farmers through all the different systems installed on site. Our team continues to be in touch and to follow up on the project. They send more training teams of agronomists and technicians, as required.

Our maintenance team continues to provide service years after the project is up-and-running.

NaanDanJain is a part of Jain Irrigation Systems Limited (JISL), a multinational Indian company with its motto 'Small Ideas, Big Revolutions', a revenue of over a billion USD and manufacturing plants in 28 locations across the globe. JISL is engaged in the manufacturing of micro-irrigation systems, PVC pipes, HDPE pipes, plastic sheets, agro-processed products, renewable energy solutions and tissue culture plants. The company also provides financial services, and agricultural input. JISL has pioneered a silent productivity revolution with modern irrigation systems and innovative technologies in order to save precious water, and it has helped to significantly increase crop yields, especially for millions of small farmers. In addition, JISL has ushered in the new concept of large-scale Integrated Irrigation Projects (IIP). 'More Crop Per Drop™' is the company's approach to water and food security. All the products and services of JISL help to create a sustainable future, while fulfilling its vision 'Leave this world better than you found it'.



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