Water Treatment Plant Designing Software

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We proudly support Jal Jeevan Mission and all other initiatives towards drinking tap water connections in each household of India.

iNODE

About iNODE

iNode Software Company is incorporated with the sole aim of developing advanced SAAS products for applications in Civil Engineering. We aim to completely automate pre or post analysis & design process with efficient use of Artificial Intelligence. At the same time, we have taken care that the design inputs & processes are controlled by Humans thereby developing confidence among designers. Apart from design, our products act as systematic cloud storage systems thereby providing life long data of civil structures.
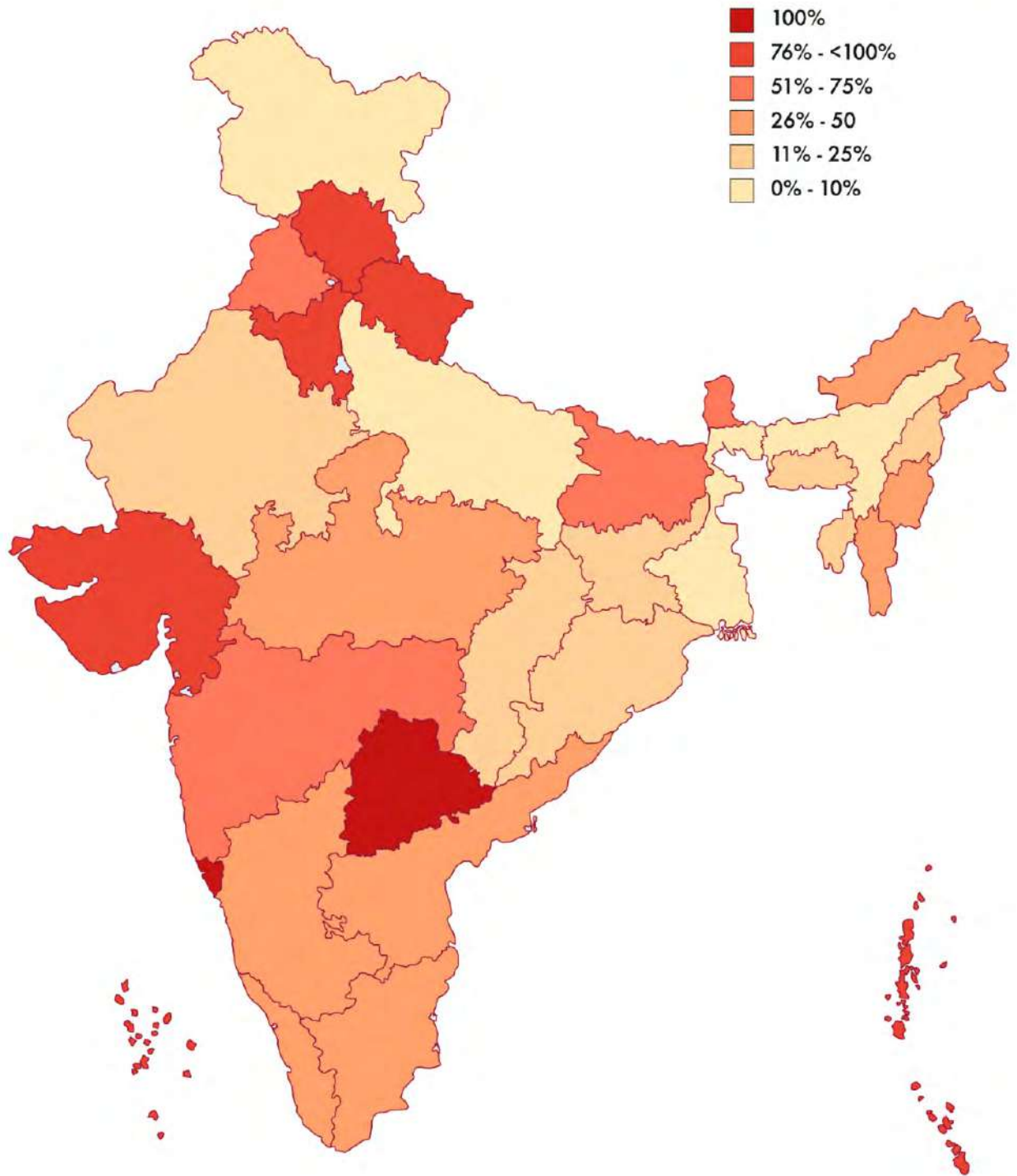
About iNODE WTP

iNode WTP is SAAS product for Hydraulic Design of Drinking Water Treatment Plants. The design is done as per CPHEEO and relevant IS Manuals. This product is powered by Artificial Intelligence and gives Detail Design Reports, Hydraulic Drawings and Tender Validation Reports as output. It features one of it's kind Design Management Portal, Design & Drawing Portal, Proof Checking Portal and Educational Portal.

This software has been designed specifically keeping in mind Government's Mission to provide Drinking Water for all by 2024. It will help standardise designs, bring uniformity and ultimately save design and peer review time.

As far as time is concerned we have brought the Hydraulic Design and Drawing preparation time from 15 days (Average time required in industry) to 45 minutes. Further peer review time in Departments and Third Party Reviewers can be brought down to 3 days from 30 days (Considering 15 days at each Office).

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Quicklook of Jal Jeevan Mission

Rural

Total Budget of Rs.3.50 Lakh Crore

Total Tap Water Connections Required: Approx 12.50 Crore Rural Households (As On 06 Febraury 2021)

Urban

Total Budget of Rs.2.87 Lakh Crore

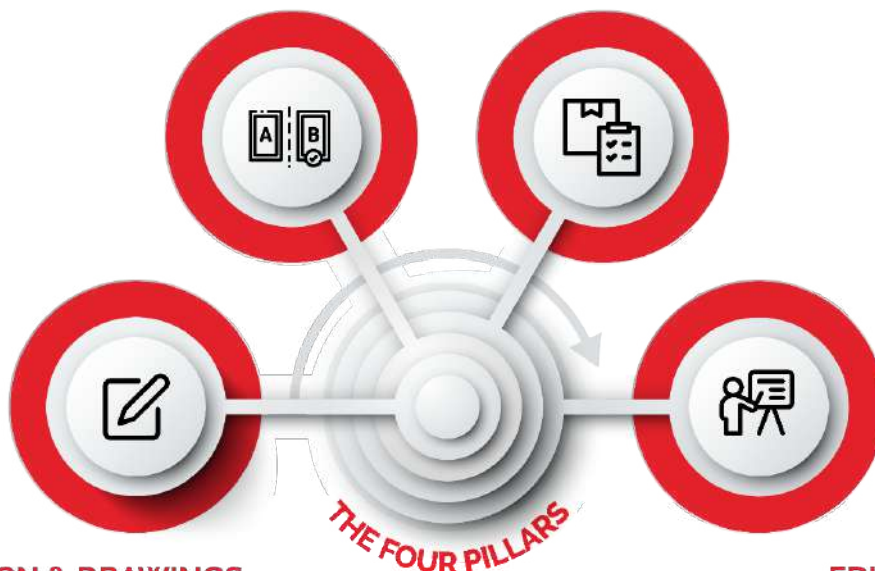Total Tap Water Connections Required: Approx 2.68 Crore Urban Households

DESIGN MANAGEMENT

- Access Designs From Any Machines & Any Place Across Globe
- Manage Design & Drawings Templates With Revision Tables
- User Management & Power Allocation
- Third Party Review Management

PROOF CHECKING

- Online Access To Proof Checking
- Design Insights & Tender Validation Reports
- Online Design Approval
- Online Design Corrections / Change Requests

THE FOUR PILLARS

HYDRAULIC DESIGN & DRAWINGS

- Design As Per CPHEEO Manual & Relevant IS Codes
- AI Backed Recommendations
- Detail Design Reports & Tender Validation Reports
- Hydraulic GA Drawings

EDUCATION

- Online Learning Material At iNode Academy
- Learn WTP Design Via Individual Assignments
- Learn To Read Design Reports & Drawings Via Validation Assignments
- Online Tests & Certification

Features

- AI Based Recommendations
- On Go CPHEEO Manual Validation
- Detail Hydraulic Design Reports
- Generate Hydraulic Process GA Drawings
- Tender & CPHEEO Manual Validation Reports
- Separate Education Tool with Assignments
- Separate Proof Checking Portal
- Cloud Storage of Design & Drawings

Pre-Tendering Stage

iNODE will provide WTP design insight report and drawings required for the proposed Water Treatment Plant. This will help the concerned authority to exactly estimate land requirement, Billing of Quantities (BOQ), & Cost estimation.

Post Tendering Stage

iNODE designs Water Treatment Plant in accordance with CPHEEO Manual and Tender requirements. Further the Proof Check Portal provided by iNODE helps departments and Third-Party Proof Checkers to perform design validations efficiently with feature enabling direct contact with the designer.

The Highlighters

FROM 15 DAYS

Reduction in Design Time

TO 45 MINUTES

• Further Proof Checking Time can be Reduced from 30 Days to Approximately 3 Days

SOFTWARE OUTPUT

• Detail Design Report.
• Tender Validation Report.
• Design Insight Report.
• Hydraulic General Arrangement Drawings.

CLOUD ACCESS

Access your Design Reports & Drawings Across any Machines and Any Place Across the Globe.
iNode makes sure that only latest design & drawings are downloaded thus avoiding confusion over revised documents.

Benefits

Professionals

• Design Pace & Efficiency
• Time Optimization
• Auto Documentation
• Revision Updates in All Documents
• Online Submission of Design
• Performing Online Proof Checking

Students

• Learn Hydraulic Element Designs
• Learn Head Loss Calculations
• Learn Hydraulic Report Generation
• Learn Hydraulic Drawing Generation
• Testing and Reading - Co-relating Design Reports & Drawings via special Validation Assignments

Institutes

• Helps Students generate industry standard reports & drawings
• Institutes can perform design & drawings of WTPs
• Institutes perform proof checking more precisely and efficiently saving professor's time

iNODE

The Point With Infinite Possibilities

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