

Marine Construction & Pile Foundations

Experts in Berths, Jetties, Wharfs and all Types of Piles

ABOUT US



With over four decades of experience, we specialize in innovative approaches to constructing marine structures, substructures, and foundations. Over the years, we have expanded our portfolio by executing projects for Government of India entities and private-sector clients Pan-India as well as in Saudi Arabia.

We have executed projects for Ports such as Jetties , Wharfs and; Pile Foundations for River Bridges, Power Plants, Steel Plants, Sanitation and Water treatment Plants, Industrial Structures, Commercial and Residential buildings.

We also offer consulting services to help clients identify best-fit solutions for unique project requirements.

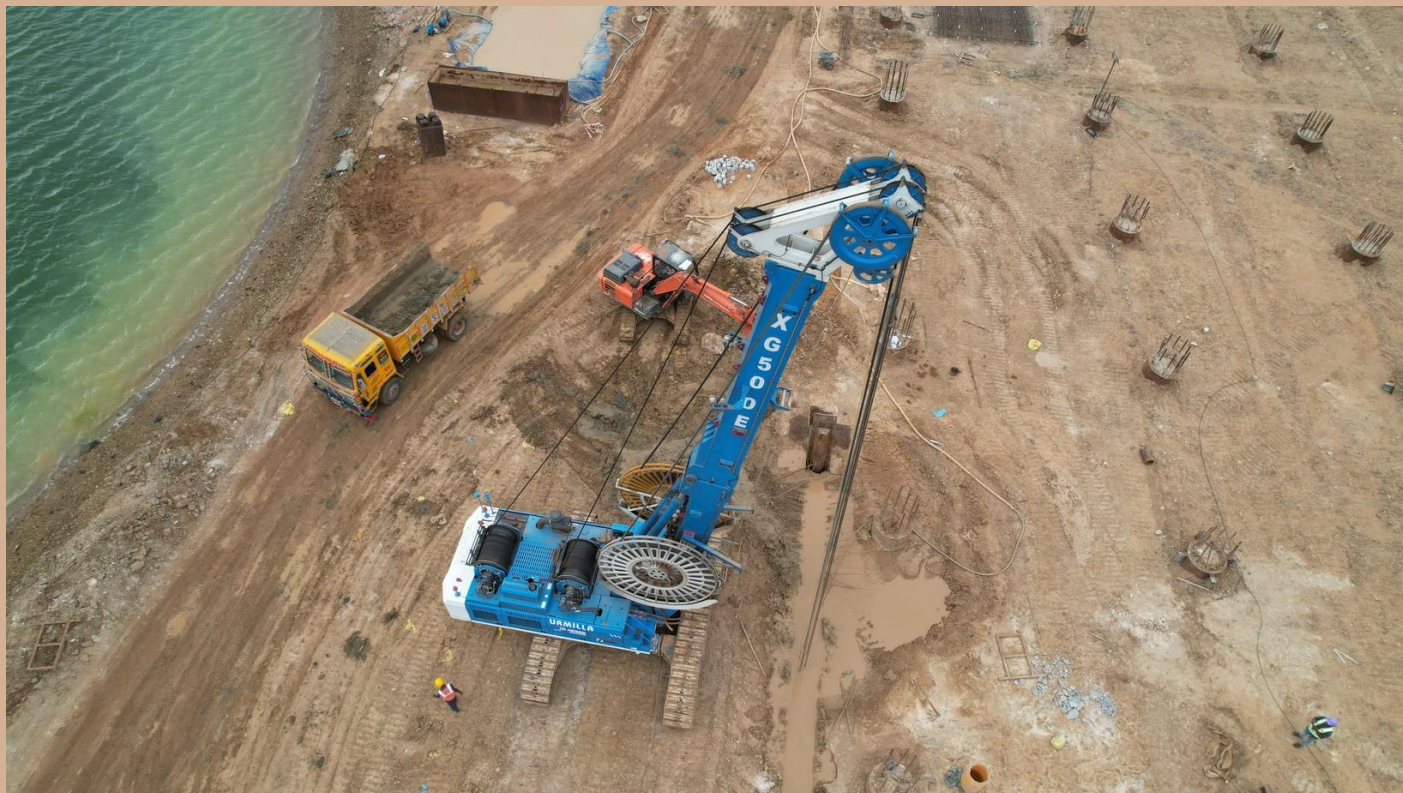
Our cutting-edge equipment inventory includes high-torque (25 TM) hydraulic piling rigs . They are equipped with specialized kelly bars mounted on structural piling gantries, capable of drilling piles 75 M deep in a cantilever of 12 M. We have successfully delivered marine and land-based projects in geotechnically complex and environmentally challenging conditions.





PLANT AND MACHINERY

- Rotary Rig for Depths up to 65 M, 22 TM Torque (SANY SR– 220C)– 2 Nos
- Rotary Rig for Depths up to 45 M, 14 TM (Soilmec SR– 40)
- Rotary Rig for Depths up to 52 M 17 TM (Soilmec SR– 60)
- Rotary Rig for Depths up to 27 M, 6 TM Torque (Hitachi)
- Sany Crawler Crane– Model SCC750E
- Tata 320 P & H Cranes– 2 Nos
- Hydra Crane– 2 Nos
- Hydraulic Orange Peel Grab– Cap 0.7 CBM Dead Wt. 4.0 MT Apx
- 75 Tonne Capacity Pontoon
- Erection Gantry with Lattice Girder 18, 24 M Span– 20 MT and 30 Tonne Capacity
- Piling Gantry of 38 M x 8 M including 12 M cantilever.
- Mechanical Grab– 1 M Width
- Drilling Rig for Diameters up to 400 mm
- Jack-Up Barge of 800 Tonne live load



Projects





Bulk Berth & Approach Trestle for Kakinada Gateway Port Ltd. - 75% of the work is completed. Scheduled to complete by July'2026.



Bulk Berth & Approach Trestle for Kakinada
Gateway Port Ltd.

Project: Multipurpose Berth and Diaphragm Wall for Andhra Pradesh Maritime Board (APMB)

Client : Auro Infra (P) Ltd.

Location: Ramayapatnam Port, Andhra Pradesh

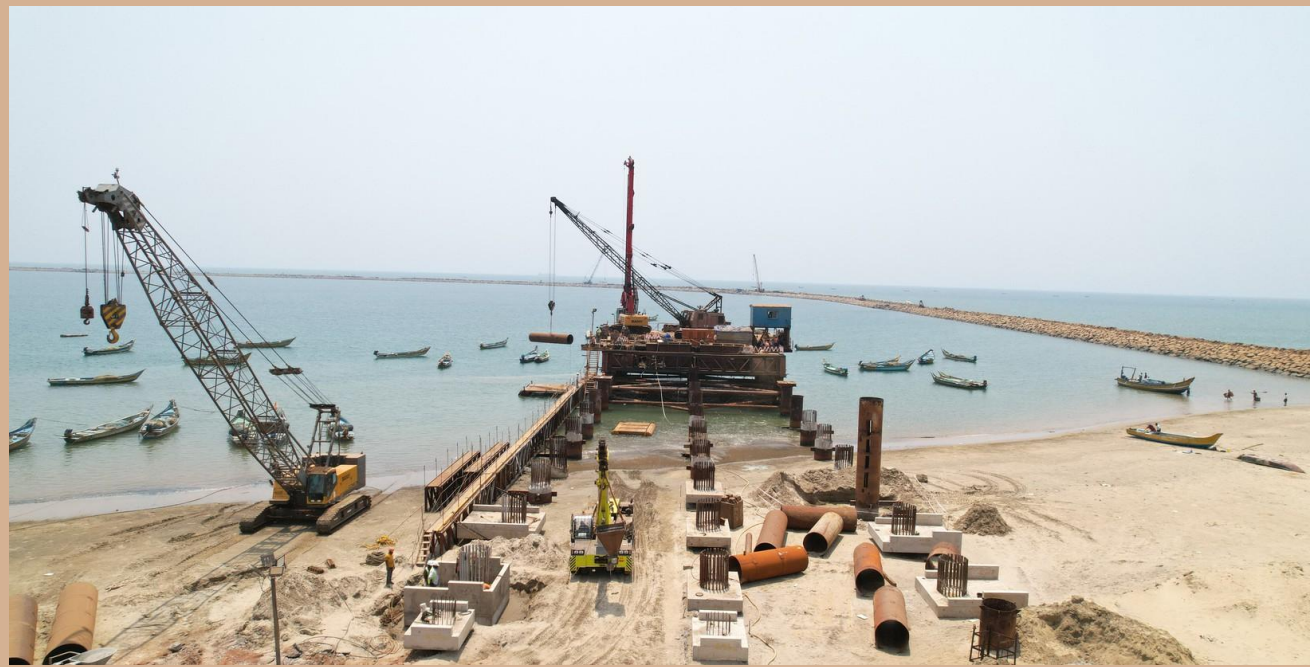
Type: Berth constructed on Bored Piles with a Diaphragm wall on the rear

Status: In-Progress

Year of Award:2024

Andhra Pradesh Government awarded the EPC project for the construction of Ramayapatnam Port to NEC- Aurobindo JV. Srishaila was awarded the construction of the Multipurpose Berth. The scope involved constructing a 900 M x 35 M berthing structure on a pile foundation of 1200 MM/ 1400MM dia piles with a diaphragm wall on the rear side. The superstructure consisted of pre-cast Pile-Muffs, T-Beams, hollow U-Beams and pre-cast slabs stitched with in-situ concrete to make the structure monolithic.





**Project: Bulk Berth and Approach Trestle for Kakinada Gateway Port
Ltd. (KGPL)**

Client: Auro Infra (P) Ltd.

Location: Kakinada Gateway Port, Andhra Pradesh

Type: Stand Alone Jetty on Bored Piles resting on Rock

Status: In Progress

Year of Award:2021



The project involves a 102 M long and 12 M wide approach with a 304 M long and 25 M wide Berth. The superstructure rests on 1200mm and 1400mm diameter RCC bored cast in situ piles. The superstructure is precast and consists of pre-cast Pile Muffs, T-Beams, hollow U-Beams and pre-cast slabs stitched with in-situ concrete to make the structure monolithic. The depth of the piles ranges from -45.0 M to -67.0 M. The project is currently in the execution stage.





**Project: Construction of LNG and Bunkering Berth at Deendayal Port,
Kandla**

Client: IMC Ltd. under SPV KOTPL

Location: Kandla, Gujarat

Type: Stand-alone Jetty

Status: In-progress

Year of Award:2021



Deendalyal Port had entered into a concession agreement with IMC Ltd. Chennai for the construction of LNG and Bunkering Berth. The main features of the marine structure consisted of a berthing jetty of 15 M x 300 M and an approach of 605 M on long-term BOT basis.



The approach trestle was executed by the End-on method of piling gantry with a cantilever of 12 M and an overall length of 36 M.

The berthing structure was to be constructed using a Jack-Up Barge.



Project: Construction of North Cargo Berth III at V.O Chidambaranar Port.

Client: V.O Chidambaranar Port Trust

Location: V.O Chidambaranar Port, Tuticorin, Maharashtra

Type: Multi-Purpose Berth For Coastal Navigation

Status: Completed

Year of Award: 2017



Design, procurement and construction (EPC) of 337 M of waterfront along with approach was done to cater to a live load of 15 Ton/SqM. The superstructure rests on 1500mm diameter RCC bored cast in-situ piles, each 32 M long.

This project was executed as a Srishaila-Unison joint venture wherein M/s. Srishaila Constructions Pvt. Ltd. served as the lead partner and handled all marine operations. M/s. Unison executed the backup area work.



Project: Construction of RCC Jetty & Nav aids at Baratang in A & N Islands
Client: Andaman & Lakshadweep Harbour Works, Ministry of Shipping GOI
Location: Baratang in A & N Islands
Type: Multi-Purpose Jetty For 2 Ton / Sq M Live Load, Marine Structure
Year: 2016

The RCC Jetty & Nav aids Project at Baratang was executed under EPC mode, with ALHW as the authority and M/s. Srishaila Constructions as the EPC contractor. The jetty structure comprises a 100 M x 15 M superstructure supported by 800 mm diameter RCC Bored Cast in-situ piles, connected to the shore via an RCC-piled approach measuring 30 M x 6.00 M.

12 navigational aids founded on RCC bored cast-in-situ piles were constructed to mark and align the channel.

The independent engineer appointed by the authority was Prof. Gokul Mandel of Jadavpur University, Kolkata.

The work was completed in 16 months, including design, approval, and execution.



Project: Extension of RCC Berthing Jetty at Havelock Island in South Andaman
Client: Andaman Lakshadweep Harbour Works, Ministry of Shipping, Government of India,
Location: South Andaman
Type: Jetty, Marine Structure
Status: Completed
Year: 2016

The RCC Berthing Jetty was constructed using a conventional piling rig on a floating Barge at Havelock Island in South Andaman.



Project: Construction of Coastal Berth at Chennai Port

Client: Chennai Port Trust

Location: Chennai Port, Chennai, Tamil Nadu

Type: Multi-Purpose Berth For Coastal Navigation

Status: Completed

Year: 2015

The construction of Coastal Berth at Chennai Port involved the construction of 337 M of waterfront along with a backup area approach, designed to accommodate a live load of 15 tons/sq m. The superstructure rests on 1500 mm diameter RCC bored Cast-in-Situ piles, each of 32 M depth.

This project was executed through a joint venture (JV) of Srishaila–GDCL. Srishaila Constructions Pvt. Ltd. served as the lead partner and handled all marine operations. GDCL executed the backup area work.





Project: Construction of Coal Berth No. 4 (350 M x 33 M)

Client: Marg Ltd.

Location: Karaikal, Pondicherry

Type: Berth Construction, Marine Infrastructure project.

Status: Completed

Year: 2012

Piling Length: 12500 RM

The Coal Berth project involved constructing 1200 mm diameter bored cast-in-situ piles at depths ranging from 45–63 M. The 350 M long and 33 M wide berth included an additional berthing area for the conveyor gallery's first transfer house. Precast hollow beams (30–32 MT each) were erected using the end-on gantry method.

The berth was designed to handle Panamax-sized coal vessels.

The project was completed in 16 months.



**Project: Piling work for Power Block unit No.1, Auxiliary Buildings
(2x520MW)**

Client: Power Mech Project Ltd.

Location: HNPCL, Vishakhapatnam, Andhra Pradesh

Type: Bored Piling with rock socketing

Status: Completed

Year: 2011

Piling Length: 12000 Rmt

Bored cast-in-situ piles with diameters of 600 mm and 750 mm were executed. The piles, ranging in depth from 22–25 M, were socketed into hard rock. Executed for the Hinduja Power Project (HPP) with BHEL as the EPC contractor, the work was awarded to our client, Power Mech Projects Ltd. (HNPCL, VSP).

The project was completed within six months.

Project: Construction of OSV Berth and extension works

Client: Marg Ltd.

Location: Karaikal, Puducherry

Type: Berth Construction, Marine Infrastructure

Status: Completed

Year: 2010

Piling Length: 5400 Rmt

The OSV Berth and extension project involved the construction of a 230 M-long and 22 M-wide berth for offshore vessels with a draft capacity of up to 12 M. The project was completed within eight months.





Project: Re-Construction of Berthing Jetty and Jetty approach a Gandhinagar in North Andaman.

Client: Government of India, Ministry of Shipping, Andaman Harbour Works

Location: Gandhinagar, North Andaman Islands

Type: Jetty, Marine Structure

Status: Completed

Year: 2010

Following tsunami damage, the existing precast-pile jetty was rendered unusable. A 300 M solid approach bund and a 130 M Jetty on 760 mm diameter bored cast-in-situ piles were constructed. The Jetty has a 15 M berthing head for small passenger vessels.

The project was completed within 18 months.



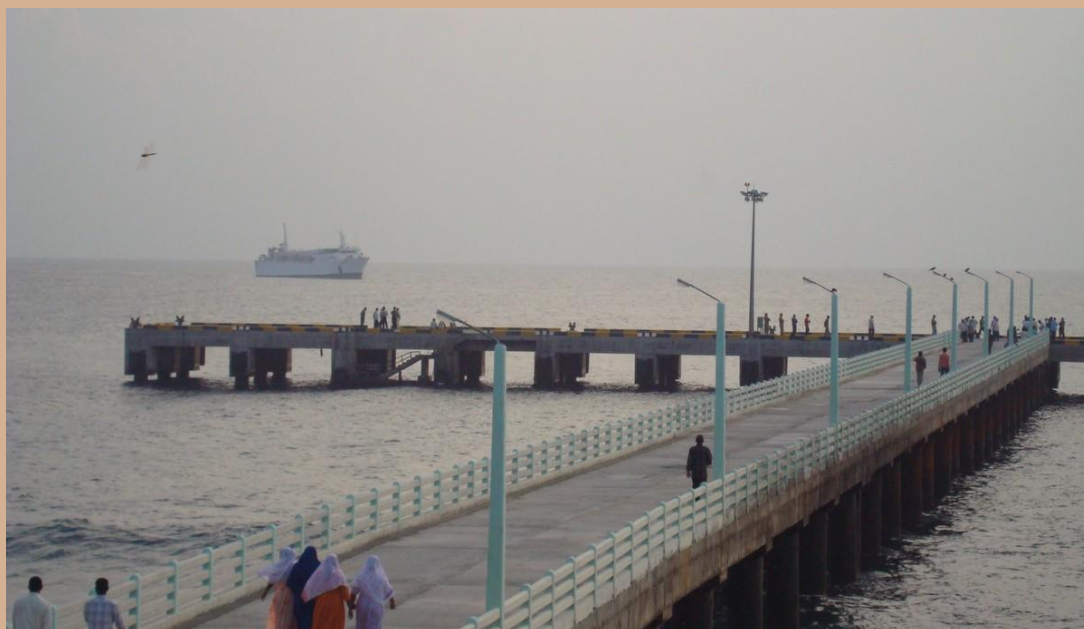
Project: Construction of RCC Jetty on Bored Pile Foundation
Client: Lakshadweep Harbour Works, Ministry of Shipping, Government of India
Location: Eastern Minicoy Island, Lakshadweep
Type: Jetty Construction, Marine Structure
Status: Completed
Year: 2008
Piling Length: 4000 Rmt



The work site was located near the 10-degree channel, where strong currents caused swells and waves averaging 4–5 M in height. A 230 M approach, was constructed on 800 mm diameter piles and a 130 M berthing face on 1100 mm diameter piles was completed.

This fair-weather jetty operates from October to June. Cyclonic conditions during construction posed significant challenges, with waves overtopping the berth and impacting precast beams.

The project was completed in 32 months.



Project: Construction of Piles for Haldia 4A berth, Haldia.

Client: Larsen & Toubro ECC Division

Location: Haldia, West Bengal

Type: Bored Piles

Status: Completed

Year: 2006

Piling Length: 3800

The Pile Construction project for Haldia 4A berth involved the execution of 1300 mm diameter RCC bored cast-in-situ piles in the dock area using the end-on gantry method.

The project was completed within nine months.





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