

OUR SERVICES: PILE FOUNDATION | DIAPHRAGM WALL | ANCHOR PILES



JALMALA BORING WORKS

**PILING & DIAPHRAGM WALL CONTRACTOR
SINCE 1962**

About Jalmala Boring Works

Jalmala Boring Works is a trusted and time-honored name in the field of foundation engineering, proudly carrying forward a legacy of excellence for over **47 years**. Founded by our visionary grandfather, the company began as a small-scale boring operation and has grown into a full-fledged specialist in **Pile Foundation** and **Diaphragm Wall construction**.

Now led by the **third generation**, our family-run business combines deep-rooted experience with modern techniques and machinery to deliver reliable geotechnical solutions across India. Our strength lies in decades of hands-on field knowledge, skilled manpower, and a strong commitment to safety, quality, and timely execution. We have successfully completed challenging foundation works for infrastructure, industrial, commercial, and residential projects — always maintaining the values of trust, workmanship, and customer satisfaction.



Managing Director

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Diaphragm - Division Manager

Anil Vasita: +91 94283 54341

Piling - Division Manager

Amrulla Memon: +91-93745 45415

❖ Why Choose Us?

- ✓ **Adaptable Expertise.**
Handle all ground conditions—from soft soil and hard strata to high groundwater zones.
- ✓ **Full-Spectrum Solutions**
One-stop services covering all equipment's, pile drilling, slurry supply, steel cage fabrication, tremie concrete placement, Anchoring and diaphragm-wall construction.
- ✓ **Precision & Safety First**
Utilize modern rigs, guide-walls, slurry-testing, and strict site-quality protocols for reliability and safety.
- ✓ **Specialist Leadership**
Industry-leading geotechnical foundation engineers with significant investment in advanced, mission-specific equipment.
- ✓ **Scalable Capabilities**
Delivering projects of all sizes—with professionalism from compact assignments to large, complex infrastructure foundations.
- ✓ **Skilled Workforce & Management**
Managed by seasoned professionals, executed by highly trained teams with tailored methods for every ground and environmental condition.
- ✓ **High-Rise Experience**
Proven track record in deep foundations for both commercial and residential high-rise projects—leveraging cutting-edge tech and expert support.

❖ Our Core Services

- **Pile Drilling:**
Rotary and tripod drilling for bored cast-in-situ piles, with steel cage lowering and tremie concreting—ensuring stable deep foundations
- **Steel Cage Fabrication:**
On-site manufacturing and precise placement of reinforcement cages using Crane - lowering techniques.
- **Tremie Method Concrete Pouring:**
Controlled, continuous underwater concrete placement via tremie pipes, avoiding cement washout.
- **Drilling Fluids Supply:**
Bentonite and polymer slurries for borehole and diaphragm trench stability, ensuring soil retention during excavation.
- **Diaphragm Wall Construction:**
Complete D-wall solutions (400 mm – 1200 mm thickness), using grab or trench cutter methods; reinforcement, tremie pouring, de-sanding and installation processes.
- **Equipment For Work:**
JCBs, dumpers, crawler cranes, hydra cranes, and Farana available to support site operations efficiently.

Diaphragm Wall = Construction Process

- **Diaphragm Wall Services:** We specialize in diaphragm wall construction—a proven method for deep excavations and permanent retaining walls. The process starts with a shallow guide wall, followed by panel excavation under bentonite / Polymer slurry to stabilize trench sides.
- After trench cleaning, we insert a steel reinforcement cage and pour concrete using the tremie method to displace slurry and form the wall. Construction in panel sequences ensures structural continuity.
- **Benefits:** precise verticality, minimal vibration, watertight, and ideal for urban or sensitive environments



Guide Wall

– Built at ground level to maintain trench alignment



Trench Excavation

– Carried out in panels using grabs or trench cutters under slurry



PVC Water Stopper – Installed to control water ingress between panels



Slurry Support

– Bentonite or polymer slurry stabilizes trench walls during excavation



Steel Cage Placement

– Reinforcement lowered into the slurry-filled trench



Tremie Concreting

– Concrete poured from the bottom, displacing slurry

Diaphragm Wall Projects 2025-26

1). CALICA ECO SPACES PVT LTD

• 3RD EYE RESIDENCE SITE AT
SATELLITE, AHMEDABAD, GUJARAT



Project Execution Summary — 500 mm Dia D - Wall

Description	Quantity / Details
Guide Wall Construction	251 M
Diaphragm Wall Excavation Area	3,564 SQ. M
Tremie Concrete Placement	1,612 CU. M
Steel Reinforcement Cage Used	104 MT
First Layer Anchors	80 nos installed at 16 m depth
PVC Stopper Lowering	741 M
Power & DG Supply	Complete supply and installation
Value of work	Total value (incl. GST): ₹1,27,00,000

The project was completed with strong adherence to quality, safety, and schedule commitments, reflecting our proven capability and professionalism in diaphragm wall and deep foundation works.

2). CALICA ECO SPACES PVT LTD

• 3RD EYE RESIDENCE SITE AT
SABARMATI, AHMEDABAD, GUJARAT



Project Execution Summary — 500 mm Dia D - Wall

Description	Quantity / Details
Diaphragm Wall Depth Excavated	13.5 M
Guide Wall Construction	161 M
Diaphragm Wall Excavation Area	1,768 SQ. M
Tremie Concrete Placement	817 CU. M
Steel Reinforcement Cage Used	65 MT
PVC Stopper Lowering	326 M
Power & DG Supply	Complete supply & installation
Value of work	Total value (incl. GST): ₹60,18,000

The project was delayed due to the rainy season, which extended our schedule. Additionally, at the rear side, the design required us to place D-wall very close to the neighboring property, posing a risk. To address this, we executed touch piling in that critical area and successfully completed the work.

3). SUROJ BUILDCON PVT LTD

• AGGARWAL METALS WORKS –
VITHALPUR, GUJARAT



Project Execution Summary — 500 mm & 600 Dia D - Wall

Description	Quantity / Details
Diaphragm Wall Depth Excavated	23 M
Guide Wall Construction	67.6 M
Diaphragm Wall Excavation Area	1,269 SQ. M
Tremie Concrete Placement	476 CU. M
Steel Reinforcement Cage Used	66 MT
PVC Stopper Lowering	276 M
Value of work	Total value (incl. GST): ₹68,00,000

Despite being an extremely challenging project, it was completed without delay while fully upholding quality and safety standards, showcasing our expertise and commitment in deep foundation and diaphragm wall solutions.

Pile Foundation Methods

Hydraulic Rig:



We specialize in piling with diameters ranging from 0.20 m to 2.0 m and depths up to 50.0 m. Using advanced hydraulic drills, we can install piles in various soil conditions. Our fleet includes rotary rigs, ideal for drilling in restricted headroom areas up to 450 mm with pile diameters up to 2000 mm.

Secant Pile Walls:



Secant pile walls are made by intersecting reinforced concrete piles, either with steel rebar or beams. Primary piles are installed first, followed by secondary piles once the primary ones gain strength. The typical overlap is 3 inches (8 cm). Unlike secant walls, tangent pile walls have no overlap and are constructed flush to each other.

Manual Auger Method:



The Manual Auger Method is a traditional and effective technique for constructing pile foundations, particularly suited for sites with limited access or where minimal noise and vibration are essential. This method employs a tripod setup combined with a hand operated winch system to manually bore holes into the ground. Using a helical auger, soil is excavated to the desired depth, typically ranging from 250 mm to 1200 mm in diameter, depending on project requirements.

Truck Mounted Rotary - Water Circulation Method (TMR):



This method utilizes our in-house truck-mounted rotary rigs for efficient and deep pile boring. The process involves auger drilling to the required pile depth, with auger Rimmers selected based on the pile diameter.

During drilling, bentonite slurry is circulated continuously through a hose pipe from a pre-set bentonite tank. This slurry stabilizes the borehole walls and is returned to the tank through a connected drainage system for reuse.

This technique is ideal for deep foundation works, offering fast drilling, borehole stability, and efficient soil removal, especially in loose or soft strata.

DMC Pile Method (Direct Mud Circulation):



This method uses Mendola-type rigs with bentonite drilling fluid for stable and efficient pile boring. The process begins by dropping a bailer (1–2 m fall) to loosen surface soil and prevent collapse. Drilling continues with a chisel through percussion hammering, while bentonite slurry (SG 1.03–1.08) is pumped through DMC rods to stabilize the bore.

Dislodged soil is carried out with the slurry via trenches into a settling chamber. Boring continues until the desired depth is reached. The DMC pipes and chisel are then removed, and final depth is confirmed using a sounding chain.

Tractor Mounted Rotary Rig:



This is a fast and efficient pile boring method using our in-house tractor-mounted rotary rigs. The process involves auger drilling to the required depth, with auger Rimmers adjusted based on the pile diameter.

To reach the target depth—including penetration into Soil strata—DMC rods are added as drilling progresses. This method is ideal for medium-depth piles with a drilling capacity of up to 16 meters.

Pile Foundation Ongoing Projects 2025-26

SHC PROJECTS PVT LTD

- ZYDUS SEZ 3.
- CHANGODAR AHMEDABAD

EVERCREST PROJECT PVT LTD

- LNG PETROCHEMICAL PLANT
- DAHEJ

SESCON BUILDER PVT LTD

- KNAUF INDIA PVT LTD
- PAKHAJAN DAHEJ

ROHAN BUILDER PVT LTD

- DSM FERMISH
- HALOL GUJARAT

RIVIERIA INFRA PROJECTS PVT LTD

- ZYDUS PHASE EXPANSION.
- CHANGODAR AHMEDABAD

AFCONS INFRASTRUCTURE LTD

- TWIN TUNNEL UNDERGROUND STATION
- JAIPUR

SARNAR BUILDTECH PVT LTD

- ZYDUS RABBIES VACCINE PLANT.
- CHANGODAR AHMEDABAD.

PSP PROJECTS LTD

- ADANI ACMD PLOT A AND D
- MUNDRA, GUJARAT

SESCON BUILDER PVT LTD

- JTEKT JALISANA FACTORY
- VITHLAPUR

SESCON BUILDER PVT LTD

- SUBROS LIMITED
- SONIPAT HARYANA

SESCON BUILDER PVT LTD

- CHINI MILLS LTD, KUMBHI U,P
- LUCKNOW

SITARAM CONSTRUCTION

- HERITAGE MUSEUM
- DHOLAVIRA GUJARAT

ZED R 18 REALCON PVT LTD

- TOYOTA PLANT
- BAWAL, HARYANA

DEEPTHI DEVELOPERS AND BUILDERS

- KAYNEES SEMICONDUCTOR PLANT
- SANAND GIDC, AHMEDABAD

ESDEE PAINTS LTD

- ESDEE PAINTS NEW FACTORY
- CHANGODAR, AHMEDABAD

STUDIO XP DEVELOPERS LLP

- 4 STAR HOTEL
- FEDRA, DHOLERA GUJARAT

These are our key featured projects; many more are in the our books.

Projects Of The Year - 2024

PSP PROJECTS LIMITED

- COCO COLA PLANT, SANAND GIDC

LARSEN & TOUBRO (LNT) CONSTRUCTION.

- BULLET TRAIN SECTION - VADODARA C-6 PACKAGE

SESCON BUILDER PVT LTD

- PHASE -2, MARUTI SUZUKI - HARYANA

CIL NOVA PETROCHEMICAL

- CIL NOVA FACTORY- CHANGODAR

HITECH COMPETENT BUILDER, PVT LTD

- BUILDING AND RESORT - ULLARIYA, SHELA

Projects Of The Year - 2022

MEGHA ENGINEERING & INFRASTRUCTURE LTD

- PPU UNIT - IOCL PILING WORK - VADODARA

WESTERN INDIA PVT LTD

- COREL PHARMA FACTORY - KADI

QUALITY INFRASTRUCTURE PVT LTD

- COREL PHARMA FACTORY - KADI

ZED R 18 REALCON PVT LTD

- SMCC INDIA / TDSG - MARUTI SUZUKI

KNACK PACKAGING PVT LTD

- KADI FACTORY

Projects Of the Year - 2023

LARSEN & TOUBRO (LNT) CONSTRUCTION LTD

- BULLET TRAIN SECTION 1 & 2 VADODARA C-6 PACKAGE

SESCON BUILDER PVT LTD

- PHASE -1, MARUTI SUZUKI PLANT

ROHAN BUILDERS PVT LTD

- ARCELOR MITTAL, SURAT HAZIRA

GALLOPS BUSINESS CORPORATION LLP

- GALLOPS INDUSTRIAL PARK - CHANGODAR

N G CONSTRUCTION

- IIIT UNIVERSITY, DUMAD

Projects Of The Year - 2021

LARSEN & TOUBRO (LNT) CONSTRUCTION LTD

- BERGER PAINT FACTORY - UTTAR PRADESH

RIVIERIA INFRAPROJECTS PVT LTD

- ZYDUS INFRASTRUCTURE LTD

AFCONS INFRASTRUCTURE LTD

- AHMEDABAD METRO PACKAGE C-1

SESCON BUILDER PVT LTD

- SAYKHA GIDC,NISSAN BHARAT RASYAN LTD

SUNDARAM INFRASTRUCTURE

- SAHIBAUG, AHMEDABAD

JALMALA COMPANY OWNED EQUIPMENTS



SANY SR 155
– 5 UNITS



SANY SR 140
– 1 UNITS



SANY SR 125
– 3 UNITS



SANY SR 235
– 1 UNITS



SANY CRANE 60 TON
– 1 UNITS



ACE FARANA 20 TON
– 2 UNITS



ESCORT FARANA 16 TON
– 2 UNITS



ACE HYDRA 12/14/16 TON
– 3 UNITS



JCB 3DX
– 2 UNITS



TMR RIG
– 5 UNITS

⚡ Power Supply & Electrical Tools

- D.G. Generator Sets (35–60 kVA) – 02 Sets
- Electrical Tools & Equipment – 10 Setups

🔧 Diaphragm Wall Tools.

- Water stoppers – 20 set (400mm, 500mm, 600mm, 800mm, 1000mm)

🏗️ Pile Support & Ancillary Equipment

- D.M.C. Winch Machines – 12 Units
- Tremie Concrete Pile Sets – 25 Sets
- Manual Auger, Pile Teams, and Equipment – 50+ Sets
- All diameter (300 MM TO 1800 MM) Casing Pipes & Casing Jacking Equipment – 100 Sets
- Pile Testing Equipment (Static Load Test, Dynamic and integrity Load Test etc. tools)

💧 Fluid Handling & Slurry Systems

- Polymer Mixing Tanks 30000 Litres – 5 Sets
- Bentonite Mixing Tanks 20000 Litres – 5 Sets
- Air compressor, Desander Mud Pumps & Dewatering Pumps – 15 Sets
- Diesel / Electric Pump – 6 Sets

🔧 Fabrication & Welding

- Plate Cutting & Welding Equipment – 10 Sets

🌐 Social Media.

Email: jalmala.pile@gmail.com

Website: <https://jalmalapillingworks.com>

Instagram: [@jalmala_pile](https://www.instagram.com/jalmala_pile)

LinkedIn: [Jalmala Piling & Diaphragm Wall Services](https://www.linkedin.com/company/jalmala-piling-diaphragm-wall-services)

Facebook: [Jalmala Piling Works](https://www.facebook.com/jalmala.piling.works)

YouTube: [Jalmala Piling & Diaphragm Wall Services](https://www.youtube.com/channel/UCjalmalapillingworks)



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OUR COMMITMENT TO SAFETY

OUR TARGET IS ZERO HARM

Our senior management team has a commitment to ensuring that our employees, the public, and the environment are safe at all times. Our ultimate goal is to reach zero harm in our workplace.

We employ safety officers to ensure that all policies and procedures are adhered to and that our zero-harm targets will be met.

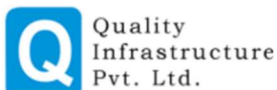


We take safety very seriously and are constantly improving our policies and procedures to ensure a safe work environment.

At every level, our workforce is making zero-harm safety our main objective. Our commitment is to provide a safe work environment for our employees and for everyone who visits our work sites.

Safety is our top priority at every stage, from design and planning to completion

Clients





Our Core Services – Details

Specialists in Pile Foundation & Diaphragm Wall Works

Diaphragm Wall Services

- Guide Wall Construction
- Trench Excavation (up to 40 m depth) using hydraulic/cable grab
- Bentonite/Polymer Slurry Circulation & Desanding
- Trench Cleaning & Panel Formation
- Reinforcement Cage Lowering
- Concreting with Tremie Method
- Water-tight Panel Joint Sealing

Pile Foundation Services

- Bored Cast-In-Situ Piles (300 mm to 1800 mm Diameter, up to 50 m depth)
- Steel Casing Installation – Temporary & permanent
- Soil Auger Drilling with Kelly bar
- Reinforcement Cage Fabrication & Lowering
- Tremie Method Concreting using RMC or site-mix
- Pile Load Testing (Static & Dynamic)
- JCB, Dumper & Platform Preparation
- Crane & Farana Support

Support, Logistics & Rental service with Package.

- Hydraulic Rigs, JCB, Crane & Farana – Rental
- Bentonite, Polymer Supply, Water Tanks & Slurry Plants.



Jalmala Boring Works

– Foundation You Can Trust

With over 47 years of legacy in geotechnical and foundation engineering, Jalmala Boring Works is a third-generation company specializing in Pile Foundation, Diaphragm Wall Construction, and Anchoring Solutions. We offer a complete range of piling services — from bored cast-in-situ piles, MS casing piles, under-reamed piles, to load testing, tremie concreting, and deep excavation support walls.

Having successfully completed 1000+ projects across India, we have proudly installed more than 5 lakh piles into the ground, serving infrastructure, industrial, and commercial developments with precision and reliability. Backed by modern machinery, experienced manpower, and a strong commitment to safety and quality, Jalmala Boring Works continues to be a trusted name in the deep foundation industry.

JALMALA BORING WORKS
AMRULLA MEMON.



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Facebook: [Jalmala Piling Works](https://www.facebook.com/JalmalaPilingWorks)

YouTube: [Jalmala Piling & Diaphragm Wall Services](https://www.youtube.com/JalmalaPilingWorks)

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