STARK ENTERPRISES
PIPELINE INFRASTRUCTURE & JOINTING SPECIALISTS

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RELIABLE PIPELINE EXECUTION

Practical Site Experience Backed by Skilled Crew & Heavy Machinery

63 – 1200 mm	**300 – 1700 mm**	**300 – 1700 mm**	**8+ Key Regions**
HDPE Butt Fusion	**MS Pipeline Works**	**PCCP Connections**	**Maharashtra & KA**
PN4 to PN16 Ratings	Shielded Arc Welding	Bell & Spigot Seals	All-Terrain Scope

Stark Enterprises undertakes high-precision pipeline jointing, laying, and associated infrastructure installation works for water supply, irrigation schemes, and industrial transmission networks. Our team works with an uncompromising focus on sound workmanship, coordinated site execution, and scheduled project milestones.

Heavy Machinery Fleet
Self-owned hydraulic butt-fusion rigs, facing tools, and generators.

All-Terrain Capability
Proven track record in rocky excavation, coastal soils, and canal crossings.

Zero-Leakage Quality
Calibrated heating plates, continuous bead inspection & hydrostatic testing.

Fast Mobilisation
Immediate deployment of certified technicians, welders, and equipment.

CORE SERVICES & EXECUTION SCOPE

Comprehensive pipeline jointing and mechanical contracting capabilities.

01. HDPE Pipe Jointing & Laying
63 mm to 1200 mm | PN 4 to PN 16
- Computer-calibrated hydraulic butt fusion and electrofusion.
- Precision dual-cylinder clamping preventing pipe ovality.
- Strict bead formation monitoring and in-trench de-beading.

02. MS (Mild Steel) Pipeline Works
300 mm to 1700 mm | IS 3589 / Fe 410
- Precision mechanical beveling and shielded arc welding.
- Multi-pass structural welding for high-pressure rising mains.
- Anti-corrosion coating, primer, and heat-shrink joint sleeves.

03. PCCP Pipeline Works & Connections
300 mm to 1700 mm | Bulk Transmission
- Bell-and-spigot alignment with elastomeric sealing rings.
- Hydraulic puller rigs ensuring proper gasket seating.
- Reinforced concrete thrust block anchoring and joint grouting.

04. Site Execution & Civil Coordination
Turnkey Subcontracting & Field Support
- Trench excavation across all strata (morrum, soft and hard rock).
- Valve chamber fabrication (sluice, kinetic air, butterfly valves).
- Hydrostatic pressure testing manifold setup and certification.

TECHNICAL SPECIFICATIONS MATRIX

Service Category	Pipe Material	Diameter Scope	Standards / Class	Equipment Mobilised
HDPE Butt Fusion	High-Density Polyethylene	63 – 1200 mm	PN 4 to PN 16 (IS 4984)	Hydraulic clamps, facing tool, mirror
MS Pipeline Works	Mild Steel (IS 3589)	300 – 1700 mm	Grade Fe 410 / High Bar	SMAW/GMAW arc, beveling machines
PCCP Connections	Prestressed Concrete	300 – 1700 mm	High Pressure Class	Hydraulic pullers, gasket rigs
Valve Assemblies	Ductile / Cast Iron / Steel	DN 50 – DN 1200	PN 10 / PN 16 / PN 25	Sluice, kinetic air, butterfly valves
Civil & Trenching	All Strata (Rock / Soil)	Trench depth to spec	CPWD / MJP Norms	Excavators, rock breakers, pumps

4-PHASE PROJECT EXECUTION WORKFLOW

01. Work Planning
Site survey, gradient check, crew & machine deployment.

02. Pipe Laying
Careful trench stringing, bed leveling, alignment check.

03. Jointing & Welding
Hydraulic fusion / multi-pass arc welding to spec.

04. QA & Hydro-Testing
Sectional pressure test (1.5x rating) & inspection.

PROJECT GALLERY: HDPE JOINTING & FIELD EXECUTION

Photographs of live butt-fusion machinery, hydraulic clamping, and crew operations.



Large-Diameter HDPE Fusion Setup
Automated hydraulic butt-fusion machine joining large transmission pipe.



Pipe Jointing Hydraulic Clamp Detail
Heavy dual-cylinder hydraulic clamp maintaining uniform bead pressure.



HDPE Butt Fusion in Rocky Terrain
Pipeline stringing and jointing across rugged, hard-rock trench alignments.



Fusion Equipment & Certified Operator
Technician recording temperature, drag pressure & soak time parameters.

PROJECT GALLERY: CONNECTIONS & SITE WORKS

Prestressed Concrete Cylinder Pipe (PCCP), MS welding, and valve chamber installations.



PCCP Pipe Joint
Bell-spigot rubber ring joint.



Pipe Transition Joint
MS to concrete transition collar.



Valve & Chamber Assembly
Chamber manifold & butterfly valve.



Trench Formwork
Excavation & thrust block.



Flanged Pipe Connection
Torqued flange coupling detail.



Heavy Pipe Lowering
Crane & sling trench handling.

PROJECT LOCATIONS & SITE FOOTPRINT

Active Execution Regions: Atpadi • Konkan • Ratnagiri • Jath • Patan • Satara • Kalaburagi (KA) • Phaltan

Comprehensive field experience across varied site conditions including hard rock strata, high-water-table coastal zones, steep undulating ghat gradients, and canal crossings.

WORK ORDER & TENDER SUBCONTRACTING INQUIRIES

Available for site inspection, technical consultation, and turnkey jointing execution.

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