



GOOD TO DRILL®



DESIGNED TO PERFORM



BUILT TO ENDURE



GOOD TO DRILL



Water Well Rigs
Blast Hole Rigs

Exploration Rigs
Drilling Accessories



OUR STORY AND THE SUCCESS

“PRD” founded in 1972, under the leadership of Mr.T.P.Thangaraj, Chairman - PRD Groups, is a leading manufacturer of drilling and mining equipments based in India. One of the largest manufacturers of drilling rigs for Water Well Drilling, Construction, Mining and Geotechnical Exploration.

PRD expanded its manufacturing activities with innovative products like tractor mounted piling rigs, pilot hole rigs for granite and marble segments, state of the art compact crawler mounted PRD spider 1500 drilling rig for water well drilling, Rigs for underground production drilling and blast hole for mining, which are all well received in the perspective market segments.

With the Introduction of the new machines for various applications, the company experienced steady growth and quickly became a major player within the drilling industry.

50
years of
legacy

10000+
units sold
across the
country

30+
models
of rig

350+
trained
employees

In a world of product-oriented companies that believe to give the best value with mass productions strategies, PRD RIGS INDIA still remains a customer-oriented company ready to solve any technical challenge proposed by clients with specific requirements. Engrained in PRD, is the goal to provide its customers with products of the highest quality and exemplary customer service, something that has never changed.



PRD HC 500 M / ME

Application	Quarrying, Mining, DSI (Dimension Stone Industries) Civil Engineering
Drilling method	DTH
Hole diameter range	90 - 127 mm (3 1/2" - 5")
Drill rod - Dia	76 mm (3")
Maximum depth	15 m (50 ft)
Rotary head	Torque : 1765 Nm Speed : 0 - 50 rpm
Rod handling	3050 mm (10 ft)
Pull up force	1500 kgf
Pull down force	1500 kgf
Suitable compressor	380 cfm / 200 psi 400 cfm / 200 psi 450 cfm / 200 psi
Mounting option	Crawler
Optional attachments	Dust collector, Dust suppression system, Electrical motor drive.



PRD Core 300

Application	Surface Exploration	
Drilling method	Diamond Core	
Drill rod size	NQ / HQ / PQ	
Maximum depth	NQ :300 m; HQ : 200 m; PQ : 100 m	
Rotary head	Torque (Nm)	Speed (rpm)
	3175 - 1161	113 - 309
	958 - 350	375 - 1026
Rotary head travel	3 m	
Rod handling	6 m	
Pull up force	6900 kgf	
Pull down force	3500 kgf	
Drilling angle	45° - 90°	
Main winch	3 ton with 30 m (16 mm rope)	
Wireline winch	1 ton with 400 m (6 mm rope)	
Water pump	Displacement : 80 lpm	
	Pressure : 750 psi	
Mounting option	Crawler / Truck / Skid	



PRD Core 750

Application	Surface Exploration	
Drilling method	Diamond Core	
Drill rod size	NQ / HQ / PQ	
Maximum depth	NQ :750 m; HQ : 450 m; PQ : 250 m	
Rotary head	Torque (Nm)	Speed (rpm)
	5100 - 3155	113 - 184
	2460 - 1509	237 - 386
	1335 - 819	436 - 711
	776 - 476	750 - 1200
Rotary head travel	3 m	
Rod handling	6 m	
Pull up force	12400 kgf	
Pull down force	6300 kgf	
Drilling angle	45° - 90°	
Main winch	7 ton with 30 m (16 mm rope)	
Wireline winch	2 ton with 800 m (6 mm rope)	
Water pump	Displacement : 140 lpm	
	Pressure : 1000 psi	
Mounting option	Crawler / Truck / Skid	



PRD OZ RC

Application	Surface Exploration
Drilling method	DTH
Hole diameter range	115 - 140 mm (4 1/2" - 5 1/2")
Maximum depth	400 m
Rotary head	Torque : 6545 Nm Speed : 0 - 100 rpm
Rod handling	6 m
Pull up force	25800 kgf
Pull down force	17700 kgf
Suitable compressor	1500 cfm - 400 psi 1350 cfm - 425 psi
Drilling angle	45° - 90°
Wireline winch	0.5 ton with 400 m (4 mm rope)
Mounting option	Truck / Crawler
Optional attachments	ICE Package, EZ Rod Handling System, JIB Boom Rod Handling.



PRD GOLD RC

Application	Surface Exploration
Drilling method	DTH
Hole diameter range	115 - 140 mm (4 1/2" - 5 1/2")
Maximum depth	250 m
Rotary head	Torque : 4000 Nm Speed : 0 - 100 rpm
Rod handling	6 m
Pull up force	16000 kgf
Pull down force	10800 kgf
Suitable compressor	1350 cfm - 425 psi 900 cfm - 350 psi
Drilling angle	45° - 90°
Wireline winch	0.5 ton with 200 m (5 mm rope)
Mounting option	Crawler
Optional attachments	Wireless remote control for drilling operations, Centralized operator control panel.



PRD EX 50

Application	Blast hole drill rig
Drilling method	DTH
Hole diameter range	100 - 152 mm (4" - 6")
Maximum depth	30 m
Rotary head	Torque : 3800 Nm Speed : 0 - 110 rpm
Rod changer	Hydraulic
Single pass depth	10 m
Pull up force	6500 kgf
Pull down force	6500 kgf
Suitable compressor	850 cfm - 290 psi 575 cfm - 225 psi
Mounting option	Suitable excavator 20 ton and above



PRD EX 65

Application	Blast Hole for Coal - Limestone - Surface Mines
Drilling method	DTH
Hole diameter range	100 - 200 mm (4" - 8")
Maximum depth	24 m
Rotary head	Torque : 3800 Nm Speed : 0 - 110 rpm
Rod handling	6 m / 10 m
Single pass depth	6 m / 10 m
Pull up force	6500 kgf
Pull down force	4500 kgf
Suitable compressor	1100 cfm - 300 psi 850 cfm - 290 psi 575 cfm - 225 psi
Mounting option	Suitable excavator 20 ton and above



PRD EX PH

Application	Solar Piling
Drilling method	DTH
Hole diameter range	127 - 355 mm (5" - 14")
Maximum depth	25 m
Rotary head	Torque : 6000 Nm Speed : 0 - 130 rpm
Rod handling	3 m
Pull up force	11250 kgf
Pull down force	7700 kgf
Suitable compressor	1100 cfm - 300 psi
Drilling angle	Y axis : 150 Vertical : Both sides 250 (LH side 100 - RH side 150)
Prime mover	20 Ton excavator



PRD 650

Application	Domestic Water wells
Drilling method	DTH & Rotary Drilling
Hole diameter range	165 - 254 mm (6 ½" - 10")
Maximum depth	250 m @ 165 mm (6 ½")
Pull up force	7800 kgf
Pull down force	5300 kgf
Rotary head	3000 Nm, 0 - 80 rpm
Air compressor	1100 cfm - 300 psi 575 cfm - 225 psi



PRD SPIDER 1500

Application	Water well, Construction
Drilling method	DTH & Rotary
Hole diameter range	4 ½" to 6 ½"
Maximum depth	460 m
Rotary head	Torque : 3000 Nm Speed : 0 - 120 rpm
Pull up force	12500 kgf
Pull down force	8500 kgf
Suitable compressor	1100 cfm - 300 psi 1200 cfm - 330 psi
Mounting option	Crawler / Skid
Optional attachments	Rubber Track Radio Remote for Tramming 10ft Rod Handling

PRD AUTOLOADER

Application	Water Well
Drilling method	DTH & Rotary
Hole diameter range	165 - 203 mm (6 1/2" - 8")
Maximum depth	2000 ft (610 m)
Rotary head	Torque: 3800 Nm Speed: 0 - 120 rpm
Pull up force	14000 kgf
Pull down force	8500 kgf
Suitable compressor	1200 cfm - 330 psi 1350 cfm - 365 psi 1500 cfm - 400 psi
Sensor unit assembly	False fault detection siren system, Rod count, GPS - display with android app
Additional Attachments	HMI digital display on control box
Mounting option	BS4 - AL 2523 / AL 2518 BS6 - AL 2825 / AL 2820 BS6 - TATA 2823
Optional attachments	Centrifugal Mud Pump Hydraulic Hammer Opener - 6" Hammer, 3 rope pulling, Manual lever operation for auto loading 180 dia feed cylinder.



PRD SPEEDSTAR

Application	Domestic Water wells
Drilling method	DTH & Rotary Drilling
Hole diameter range	165 - 305 mm (6 1/2" - 12")
Maximum depth	363 m @ 165 mm (6 1/2")
Pull up force	10000 kgf
Pull down force	7300 kgf
Rotary head	4020 Nm, 0 - 100 rpm
Air compressor	1100 cfm - 300 psi 1200 cfm - 330 psi



PRD TRACTOR MOUNTED RIG

Application	Construction, Water well, Solar, Exploration, Geo technical, Core
Drilling method	DTH / Rotary
Hole diameter range	DTH : 6 1/2" Piling : 1200 mm
Maximum depth	DTH : 200 m Piling : 75 m
Rotary head	Torque : 4000 Nm Speed : 0 - 80 rpm
Pull up force	7900 kgf
Pull down force	5400 kgf
Suitable compressor	600 cfm - 200 psi 1100 cfm - 300 psi
Mounting option	Tractor 75 / 95 hp (4x4)
Optional attachments	20 ft Rod handling mast, Top Winch, Centrifugal Mud Pump, RC Drilling, Core Drilling, Rod Changer Geo Technical Drilling with SPT, Water pump





PRD GD 4

Application	Geo technical soil investigation
Drilling method	DTH, Rotary, Core Drilling, Auger Drilling, SPT
Maximum depth	DTH : 100 m; Rotary : 100 m; NQ : 100 mtr
Rotary head	0 - 3050 Nm @ 0 - 95 rpm 0 - 803 Nm @ 0 - 370 rpm 0 - 330 Nm @ 0 - 910 rpm
Rod handling	3 mtr
Rod pullout	6 mtr
Pull up force	5000 kgf
Pull down force	3000 kgf
Drilling angle	90° Vertical
Main winch	3 ton with 25 m (12 mm rope)
Wireline winch	1 ton with 200 m (6 mm rope)
Water pump	Triplex water pump Maximum flow : 80 lpm Maximum pressure : 1000 psi
Mounting option	Crawler
Optional attachments	Depth indicator on control panel Remote tramming DTH Drilling attachment

PRD GD 6

Application	Anchoring, Micro Piling, Auger Drilling, Soil Investigation, Soil Nailing, Forepiling
Drilling method	DTH & Rotary
Rotary head	Torque : 13050 - 6525 Nm Speed : 67 - 135 rpm
Pull up force	8250 kgf
Pull down force	4200 kgf
Main winch	2 ton with 30 m (12 mm rope)
Water pump	Triplex Water Pump Displacement : 80 lpm Max. Pressure : 40 bar
Mounting option	Crawler
Optional attachments	Depth indicator on control panel, Remote tramming, DTH Drilling attachment



PRD 1200 PD CRAWLER

Application	Piling & Water Well
Drilling method	DTH & Rotary
Piling capacity	Depth - 75 mtrs, Dia - 1200 mm
DTH capacity	Depth - 200 mtrs, Dia - 165 mm
Rotary head	Torque : 3000 Nm Speed : 0 - 150 rpm
Pull up force	7900 kgf
Pull down force	5400 kgf
Suitable compressor	600 cfm-200 psi 1100 cfm-300 psi (21 bar)



PRD SPIDER 650



PRD 650 ON CRAWLER



PRD GD4 300



PRD GD5 ME



PRD GD5



PRD Geo technical rig





DTH Hammer & Bits



Tricone Bits



Drag Bits / Clay Bits



Drill Rod



Auger Bit



Piling Bit

**AUTHORIZED
DEALER**



HIGH PRESSURE WATER PUMP



TP-80H

Configuration	Horizontal Triplex Pump
No of Piston	3
Water Flow	75 l/min
Water Bar Pressure	48 bar
Speed Rating	625 rpm
Pump Weight	95 kg (210 lbs)
Dimension (l x w x h)	740 x 620 x 450 mm



TP-135H

Configuration	Horizontal Triplex Pump
No of Piston	3
Water Flow	135 l/min
Water Bar Pressure	68 bar
Speed Rating	625 rpm
Pump Weight	209 kg (210 lbs)
Dimension (l x w x h)	880 x 775 x 520 mm





**PRD RIGS
INDIA PVT LTD**
GOOD TO DRILL. —

For Spares & Services Support

1800 123 775 533

📍 9/85, Morur, Morur Bit 1 Village, Sankari Taluk,
Salem - 637304, Tamil Nadu .

☎ + 91 98427 51745

✉ sales@prdrigs.com

☎ + 91 4288 255467

🌐 www.prdrigs.com/in

 **Sales & Services Centers**

📍 Chennai

📍 Chimakurthy

📍 Khammam

📍 Indore