



Drilling solutions for Construction, Mining & Quarrying Industry



## TECHNICAL SPECIFICATION:

Model No.: **KDR - 200**

Crawler mounted hydrostatic drilling rig with Automatic SPT Hammer

The best suitable model for soil testina. Limestone. coal formations

<b>Application</b>	Lime Stone, Coal Mineral, Soil testing Exploration
<b>Capacity</b>	<b>200 Mtr</b> with NQ Rod
	<b>150 Mtr</b> with HQ Rod, <b>SPT- UDS Sample</b>
<b>Drilling Method</b>	Core Drilling, DTH Drilling, <b>SPT, UDS</b>
<b>Prime Mover*</b>	Kirloskar HA694 developing <b>100 HP</b> power diesel engine
<b>Mounting Platform Structure</b>	Trailer mounted, Crawler mounted, Truck mounted (Options available as per Customer requirement)
<b>Mast Assembly</b>	Heavy duty Beam type mast
	Mast. length: <b>6.5 Mtr</b>
	Rotary Head Travel: <b>3 Mtr</b>
	Spindle Bore : <b>HQ Size</b>
	Pullup Force : <b>2000 Kgs</b>
	Pull down Force : <b>1000 Kgs</b>
<b>SPT Hammer</b>	Drill is equipped with Automatic SPT Hammer, operated by Hydraulic motor as per standard design 63.5 Kgs/ 762 mm.
<b>Feed System</b>	Well proven hydraulic feed system through Cylinder
	Feed Stroke : <b>3 Mtr</b>
	Rod Pull : <b>3 Mtr</b>
	Pull Up Speed: <b>40 m/min</b>
	Pull Down Speed: <b>30 m/min</b>
<b>Rotary Head Assembly (Top Head Drive)</b>	Kores well proven Drill head, fabricated steel body with gear reduction and oil bath lubrication type gearbox along and spindle with NW size, driven by hydraulic motor

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<b>Hydraulic Power</b>	2 x Fixed displacement pump for Feed & Rotation
<b>Drill head Speed &amp; Torque</b>	Drill head speed : <b>0-400 RPM</b>
	Drill head Torque : <b>0-1500 lbft</b>
<b>Levelling Jacks</b>	4 x Hydraulic levelling jacks are provided at each corner for quick setting and levelling of the drill rig. Locking check valves for safety with adequate capacity.
<b>Main Hoist</b>	Drill is provided with Hydraulic operated main hoist, Capacity : 2000 Kgs, Speed : 30 Mtr per minute, Cable dia- 12 mm, length- 30 Mtr
<b>Wireline Winch</b>	Drill is provided with Hydraulic operated wireline Winch, Capacity : 1000 Kgs, Speed : 100 Mtr per minute, Cable dia- 5/6 mm, length- 200 Mtr
<b>Mud Pump</b>	Heavy duty Triplex reciprocating mud pump, Flow Capacity: 120 LPM, Pressure: 700 PSI, With Ceramic liners, operated by hydraulic motor.
<b>Control Panel</b>	Drill is provided with centralised control panel with all controls e.g. Spindle RPM, Mud pump, Feed, Engine controls, all pressure gauges to have full control of rig.
<b>Foot Clamp &amp; Breakout systems</b>	Drill is equipped with Hydraulic operated foot clamp to hold all casing & rods up to HQ size and Hydraulic operated break out system.
<b>Other features</b>	DTH Drilling also can be done by additional compressor

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