

**RG 1000 EC**

Revathi RG 1000 EC Model drill is a crawler mounted, hydraulically operated, multi purpose exploratory drill with following specifications.

<b>Drilling Capacity</b>		
Hole Size	114 mm DTH, NQ/HQ/PQ	4 1/2" DTH, NQ/HQ/PQ
Drilling Depth		
Diamond Core drilling	NQ -1300 mtrs HQ - 900 mts PQ – 650mtrs	NQ - 4000 ft HQ – 3000 ft PQ – 2000 ft
RC drilling	400 mtrs.	1300 ft
<b>Crawler</b>		
Gradability	Hydraulic motor thru gearbox and D4 class track parts 25%	
<b>Mast</b>		
Construction	Heavy Duty Structural Steel lattice box type	
Drill Rod Length	6.10 mtrs	20 ft
Angle Hole	Up to 45°	
<b>Feed</b>		
Feed System	Twin chain with twin cylinder pull down	
Pull down / pull up	11, 360 Kgs	25,000 Lbs
<b>Rotary Head</b>		
System	Dual speed hydraulic motor with gearbox	
Rotary Torque	815 Kg.m / 89 Kg.m	70,700 Lb.in / 7,700 Lb.in
Speed	0 - 115 RPM / 1100 RPM	
<b>Air Compressor</b>		
Type	Single stage oil flooded screw type	
Capacity	32 m <sup>3</sup> /min	1150 cfm
Pressure	24 kg/cm <sup>2</sup>	350 psi
<b>Power Unit</b>		
	Independent diesel engines for driving compressor and hydraulics	
<b>Leveling Jacks</b>		
Rear End	Two Nos.	
Front End	Two Nos.	
<b>Water Injection System</b>		
	Hydraulic motor driven water pump	
Capacity	140 Lpm	37 Gpm
<b>Winch</b>		
Main Winch	10,000 Kg	22,000 Lbs
Wire Line Winch	1,000 Kg	2,200 Lbs
<b>Drill Pipe handling</b>		
Pipe dia	114 mm (DTH) /	4 1/2" (DTH) /

Pipe Length	NQ/HQ/PQ Pipes 6.10 mtrs. (DTH) / 3 mtrs. (NQ/HQ/PQ)	NQ/HQ/PQ Pipes 20 ft (DTH) / 10 ft (NQ/HQ/PQ)
<b>Cabin Controls</b>	Centralized for single man operation Propel control panel at Non drilling end.	
<b>Optional Equipment</b>	Rod spinner, Foot clamps, Auto power breakout, Heavy duty hydraulic winch, Aux. winch, Mud pump, Plug slide, Spin Guard, Travel Limiter for main winch, Wire line winch rope line spooler,	

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