

RG 1000 ET

Revathi RG 1000 ET is a truck mounted exploratory drill, hydraulically operated, multi purpose exploratory drill with following specifications.

Drilling Capacity		
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 mtrs PQ – 650mtrs	NQ - 4000 ft HQ – 3000 ft PQ – 2000 ft
RC drilling	400 mtrs.	1300 ft
Mounting		
Truck (8x4 or 6x4)		
Mast		
Construction	Heavy Duty Structural Steel lattice box type	
Drill Rod Length	6.10 mtrs	20 ft
Angle Hole	Up to 45°	
Feed		
Feed System	Twin chain with twin cylinder pull down	
Pull down / pull up	11, 360 Kgs	25,000 Lbs
Rotary Head		
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	
Air Compressor		
(On 2 nd truck)		
Type	Single stage oil flooded screw type	
Capacity	32 m ³ /min	1150 cfm
Pressure	24 kg/cm ²	350 psi
Power Unit		
Independent diesel engines for driving compressor and hydraulics		
Leveling Jacks		
Rear End	Two Nos.	
Front End	Two Nos.	
Water Injection System		
Hydraulic motor driven water pump		
Capacity	140 Lpm	37 Gpm
Winch		
Main Winch	10,000 Kg	22,000 Lbs
Wire Line Winch	1,000 Kg	2,200 Lbs
Drill Pipe handling		
Pipe dia	114 mm (DTH) / NQ/HQ/PQ Pipes	4 1/2" (DTH) / NQ/HQ/PQ Pipes
Pipe Length	6.10 mtrs. (DTH) / 3 mtrs. (NQ/HQ/PQ)	20 ft (DTH) / 10 ft (NQ/HQ/PQ)

Cabin Controls	Centralized for single man operation.
Optional Equipment	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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