

# **India's First** **Horizontal Directional** **Drill (HDD) Machine**

# **apollo**<sup>TM</sup>

## **A Large-size Rig for Bigger Job-site**

The Apollo A1200 R is designed to cater large size underground infrastructure construction projects, equipped to face tough hard ground and difficult job-site conditions. The equipment is constructed with a quality rack-pinion system and powered by a 285hp Ashok Leyland engine. Along with this powerful engine, thrust / pull-back force has increased to 60.506 tons with a rotational torque rating of 23700 Nm that is ideal for longer distance jobs and larger diameter applications. Air-conditioned cabin with rotating operator seat provides surround view for maximum comfort to monitor the operations.



## **A1200R HDD** **with Operator Cabin**



# India's First Horizontal Directional Drill (HDD) Machine

# A1200R HDD with Operator Cabin



## Technical Specifications

Dimensions & Weights	
Length	10430 mm
Width	2600 mm
Height	2850 mm
Weight (without drill pipe)	50596 lbs (22950 kg)
Weight (with drill pipe)	54454 lbs (24700 kg)
Travelling Speed	1.2 km / hour
Engine	
Make & Model	Ashok Leyland AL8NTIDG3
Fuel Type	Diesel
Maximum Engine Speed	2200 RPM
Number of Cylinders	6 Cylinders with Turbo Charger
Horse-Power Rating	280 HP
Maximum Torque	1200 Nm@1400 RPM
Drill Pipe	
Length	6096 mm (6 m)
Weight (Each Pipe)	150 kg
Rod Box Capacity	12 Pieces
Minimum Bend Radius	80 m
Pipe Diameter	111.5 mm
Water Pump System	
Flow	200 GPM (800 LPM)
Pressure	1300 PSI

Technical Parameter	
Maximum Spindle Speed	98 RPM
Maximum Spindle Torque	23700 Nm
Minimum Bore Diameter	3.5"
Thrust Force	133393 lbs (60506 kg)
Pull-Back Force	133393 lbs (60506 kg)
Features	
Electrical System	24 V
Drilling Lights	YES
Operator Cabin (Optional)	YES (AC Cabin)
Stake-Down System (Auto-Anchoring)	OPTIONAL
Rack-Pinion System	Double
Rod-Loader System	YES
Hydraulic Systems	
Auxiliary Pump Relief Pressure	6000 PSI
Thrust / Pull-Back Pump Relief Pressure	6000 PSI
Rotational Pump Relief Pressure	6000 PSI
Fluid Capacities	
Engine Oil Capacity	25 L
Diesel Tank Capacity	250 L
Hydraulic Oil Tank Capacity	385 L

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# apollo™

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