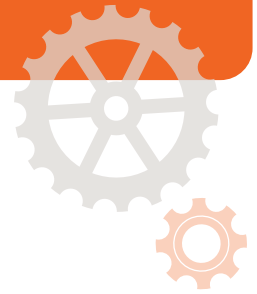


DTHR 600

Heavy Duty Drilling Rig



DTHR 600 is Top Head Drive DTH Cum Rotary Drilling Rig is capable of drilling in different formations such as Hard Rock by DTH, Un consolidated / Alluvial formations using Air/Water/Foam flush by Rotary Method up to a depth of 600 Meters, Under favorable drilling conditions.



TECHNICAL Specifications

DTH Drilling	Hole Dia 6", 12" Up to 600 Mtr depth and 14" (Over burden)	Hole Dia 6", 16" Up to 600 Mtr depth and 18" (Over burden).
Carrier Truck	Truck for the mounting of Rig, Air compressor and Mud pump.	
Make	Min 35 Ton SINO/ MAN OR any reputed make	
Prime Mover	The system shall be powered by a separate on board diesel driven deck engine with suitable PTO arrangement	
	Engine Make: Cummins or any reputed make	Rated Capacity: 320 HP @ 1900 RPM OR Higher
	Mast Overall Length: 11000 mm OR updated	Rotary Head Travel: 8500mm
Feed Cylinder Size & Stroke	Dia 160 mm x Dia 100mm x 2950mm stroke - 2 No's.	Pull Back: 43 Tons Pull Down: 26 Tons
Rotary Head Assembly	Top Head Drive	Torque Speed: 893 Kg-m @ 150 RPM (with double motors)
	Hydraulic Motors : 1786 Kg-m with 75 rpm with 4 No's hydraulic motors	Note: Sliding provision shall be provided
Hydraulics	Max Operating Pressure: 320 Kg/Cm2	Hydraulic Tank Capacity: 1000 Liters.
	Filtration (Nom) - Return line: 10/25 Microns	Oil Cooler: LHC-044 (Oleaeer Make)
Stabilizer	Model: Hydraulically Operated Box Type Jacks	
	Cylinder Bore Diameter: 125mm	Stroke: 1000mm No. Of Jacks: 4 Nos(Box type)
Break Out Wrench	Cylinder Bore Diameter: 100mm	Stroke: 300mm
Mast Raising Cylinder	Cylinder Bore Diameter: 125mm	Stroke: 800mm No. Of Jacks: 2 Nos(Box type)
Water Injection Pump	Max. Flow: 80 Liter/minute	Max. Pressure: 70kg/cm2
Auxiliary Winch	Bare Drum-Pull: 31 Kn	Max. Presure: 22 Meter/minute
Main Winch	Direct Pull: 75 Kn	Wire Rope : 22 mm
Welding Generator	Make: Dynamax or any reputed make	Capacity: 400 AMPS
Air Compressor	Make: ATLAS COP or any reputed make	Capacity: 1200 CFM / 330 PSI OR higher
	Above compressor shall be mounted on separate Truck	
Mud Pump	75"x10" - Hydraulically driven duplex, double acting high pressure reciprocating 7.5"x10" Mud pump shall be provided for Mud Rotary Drilling.	