

---

---

**RC-600 REVERSE CIRCULATION DRILLING RIG**

---

---

<b>Rated Capacity</b>	: 450 mm - 1500 mm dia. hole using centrifugal pump and reverse circulation. Depth up to formation encountered. 200 Mts. OR more, depending upon drilling conditions and use of air lift equipment.
<b>Mast</b>	: 2
<b>Construction</b>	: Electrically Welded tubular steel construction.
<b>Height</b>	: 11 Mts. clearance from table top to bottom of crown.
<b>Gross Load Capacity</b>	: 18500 Kgs.
<b>Raising and Lowering</b>	: 2 Nos. Double acting hydraulic cylinders.
<b>Crown Block</b>	: Four sheaves lined up with table and draw works. Single sheave travelling block on both the lines possible.
<b>Rotary Table</b>	: 2
<b>Opening</b>	: 700 mm
<b>Gear Ratio</b>	: 6 : 1 Bevel Gear and Pinion.
<b>Type</b>	: Removable type, For lowering casing pipe over 660 mm dia.
<b>Drive</b>	: Torque tube.
<b>Clutch</b>	: Jaw Type.
<b>Draw Works</b>	: Two Identical drums
<b>Barrel Dia. &amp; Length</b>	: 178 mm X 265 mm
<b>Flange Dia.</b>	: 500 mm
<b>Pull Capacity</b>	: 6850 Kgs. Single line bare drum.
<b>Clutch</b>	: 406 mm 2 plate mechanical type
<b>Brake</b>	: 470 mm X 100 mm Mechanical high leverage type
<b>Drive</b>	: Chain
<b>Rotary Pump</b>	:
<b>Size</b>	: 152 mm
<b>Type</b>	: Centrifugal with 140 mm Passage steel Impeller
<b>Capacity</b>	: 5000 LPM @ 600 RPM
<b>Drive</b>	: Multiple "V" Belts
<b>Priming System</b>	: 100 mm X 100 mm Self priming centrifugal pump with suction hose, foot valve and necessary piping.
<b>Jacks</b>	: Total 6 Nos. mechanical screw jacks.
<b>Swivel</b>	: 152 mm Dia. full open, oil bath.
<b>Kelly</b>	: 178 mm X 152 mm ID X 4.26 Mts. long flange type fabricated kelly OR 150 mm ID Telescopic type kelly.
<b>Drill Pipe</b>	: 150 mm ID X 3.05 Mts. long flange type drill pipe.
<b>Prime Mover</b>	: Truck Mounted Rig - Truck engine through chain driven PTO. Trailer Mounted Rig - Separate deck mounted engine.
<b>Mounting</b>	: 4 X 2 Drive truck chassis OR Two axle trailer.
<b>Optional</b>	: Air lift equipment, 27200 Kgs. gross load capacity mast with 6 sheave crown, Higher capacity 8" Opening centrifugal pump.