

**GP 2500 DIRECT CIRCULATION DRILLING RIG**

|                                   |   |   |                                   |              |
|-----------------------------------|---|---|-----------------------------------|--------------|
| <b>Rated Capacity</b>             | : | <b>Drill Pipe</b>   | <b>Minimum Hole Dia.</b>          | <b>Depth</b> |
|                                   |   | 73 mm   | 203 mm                            | 1000Mts.     |
|                                   |   | 89 mm   | 305 mm                            | 770 Mts.     |
| <b>Casing Load</b>                | : | 20000 Kgs. Using Triple sheave Travelling Block, Dead end at frame.   |                                   |              |
| <b>Mast</b>                       | : | 2   |                                   |              |
| <b>Construction</b>               | : | Tubular Steel, Electrically Welded.   |                                   |              |
| <b>Height</b>                     | : | 15 Mts. above Rotary Table. (Optional 18 Mts.)  |                                   |              |
| <b>Gross Load Capacity</b>        | : | 50000 Kgs.  |                                   |              |
| <b>Hook Load Capacity</b>         | : | 20000 Kgs. With double sheave travelling block.   |                                   |              |
| <b>Raising and Lowering</b>       | : | 2 Hydraulic Cylinders.  |                                   |              |
| <b>Crown Block</b>                | : | 6 Sheave Plus 1 Catline Sheave.   |                                   |              |
| <b>Rotary Table</b>               | : | 2   |                                   |              |
| <b>Type</b>                       | : | Spiral Bevel Gear Oil Bath lubrication  |                                   |              |
| <b>Opening</b>                    | : | 250 mm OR 450 mm  |                                   |              |
| <b>Retraction</b>                 | : | Hinged Type   |                                   |              |
| <b>Drive</b>                      | : | Drive through torque tube and disc type clutch  |                                   |              |
| <b>Kelly</b>                      | : | 117.47 mm Dia. X 10.36 Mts. Long, 3 Fluted round kelly.   |                                   |              |
| <b>Pull Down (Optional)</b>       | : |   |                                   |              |
| <b>Type</b>                       | : | Through 2 Nos. Roller Chain & Hydraulic Motor with reducer.   |                                   |              |
| <b>Feed</b>                       | : | 10.5 Mts.   |                                   |              |
| <b>Force</b>                      | : | 15000 Kgs.  |                                   |              |
| <b>Draw Works</b>                 | : | <b>Barrel Dia. X Length</b>   | <b>Single Line Pull Bare Drum</b> |              |
| <b>Hoisting Drum</b>              | : | 250 mm X 325 mm   | 8000 Kgs.                         |              |
| <b>Sand Reel</b>                  | : | 200 mm X 550 mm   | 6000 Kgs.                         |              |
| <b>Clutch</b>                     | : | 457 mm, 2 Plates mechanical type. (Air Clutch Optional)   |                                   |              |
| <b>Brakes</b>                     | : | 520 mm X 150 mm Mechanical High Leverage type double equalised.   |                                   |              |
| <b>Drive</b>                      | : | By Chain.   |                                   |              |
| <b>Transmission</b>               | : | Five speed forward, one speed reverse.  |                                   |              |
| <b>Sub Drive Case</b>             | : | Suitable for mounting automotive gear box and to obtain hydraulic pump drive.   |                                   |              |
| <b>Hydraulic</b>                  | : | Pump fixed displacement vane type discharge & pressure 80 LPM @ 70.3 Kg/cm2   |                                   |              |
| <b>Mud Pump</b>                   | : | <b>Standard</b>   | <b>Optional</b>                   |              |
| <b>Model</b>                      | : | GPS – 200H LW   | GPS - 250H LW                     |              |
| <b>Stroke &amp; Liner Size</b>    | : | 200 mm X 175 mm   | 250 mm X 150 mm                   |              |
| <b>Disp. &amp; Pressure</b>       | : | 1685 LPM @ 20.01 Kg/cm2   | 1533 LPM @ 27.51 Kg/cm2           |              |
| <b>Drive</b>                      | : | "V" Belts / Chain.  |                                   |              |
| <b>Clutch</b>                     | : | Clow Clutch OR Multi Disk Friction Clutch.  |                                   |              |
| <b>Leveling Jack</b>              | : | 4 Mechanical Jack (Optional Hydraulic)  |                                   |              |
| <b>Controls</b>                   | : | Conveniently located.   |                                   |              |
| <b>Prime Mover &amp; Mounting</b> | : | All components of the drill including mud pump shall be mounted on rear two axeled semi trailer and driven through 2 Nos. 125 BHP diesel engine combine to gather OR separately respective component. |                                   |              |
| <b>Optional Available</b>         | : | Hydraulic Break Out, Welding Generator, Lighting Generator, Mud Mixing Hopper, Rat Hole attachment.   |                                   |              |