



TECHNICAL SPECIFICATIONS

The supply, delivery, testing, commissioning and training of one (1) unit of Crawler-Type Drilling Rig Equipment with the following general Specifications (minimum specifications unless otherwise specified):

CRAWLER-TYPE DRILLING RIG	
Hydraulic Rotary Top Drive Drilling Rig (Crawler-Type)	<ul style="list-style-type: none"> • Hole Diameter: 140-350 mm • Drilling Depth: 580 m • Drill Pipe Diameter: 102-114 Ø • Drill Pipe Length: 1.5-6.0 meters • Rig Lifting Force: 25 T • Hoisting Force of Winch: 2 T • Swing Torque: 8500-11000 N.m • Climbing Angles (Max): 30 degrees • Air compressor: 1.7-3.5 MPA • Air consumption: 17-42 cu.m./min • Penetration Efficiency: 15-35 m/h
Mud Pump (BW850) with engine	<ul style="list-style-type: none"> • Cylinder Diameter: 150 mm • Stroke: 180 mm • Pump Speed: 58-82 min • Flow: 850 L/min • Pressure: 2.9-3.0 MPA • Power: 37 KW • Power Unit: 42 KW rpm • Rated Speed: 2400 rpm
On-board Hydraulic Powered Foam Pump	<ul style="list-style-type: none"> • Rated Speed: 1450 rpm • Maximum Pressure: 250 bar • Water Flow: 18 L/min • Maximum Working Pressure: 25 MPA
On-board Welding Generator	<ul style="list-style-type: none"> • Power: 40 KW • Rated Current: 600 A • Generating Voltage: 230 V • Rated Speed: 3500 rpm
Inclusions	<ul style="list-style-type: none"> • Drill Rod (114mm) - 45 pcs • Tricone Bit (7 7/8 inches) with fittings • Tricone Bit (9 7/8 inches) with fittings • Tricone Bit (12.5 inches) with fittings • Tricone Bit (17.5 inches) with fittings • Tricone Bit (20.5 inches) with fittings • Hydraulic Hose (20 meters) with fittings • 7-day On-site Training for Technical Personnel: Training for actual drilling operations will be provided for a maximum of 10 personnel. This training will include airfares, meals, and travel allowances if



Republic of the Philippines


ZAMBOANGA CITY WATER DISTRICT

Pilar Street, Zamboanga City



	<p>necessary. It must be conducted by a NWRB-Registered Mechanized Driller to ensure the issuance of certifications, including the Certificate of Training and Certification for Drilling Experience, for all participants.</p> <ul style="list-style-type: none">• Delivery Fee
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