

**Price & Technical Specification of 2000HP ZJ70DZ Drilling Rig  
ZJ70DZ ( 2000HP)**

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
<b>1</b>	<b>Main Structure of Rig / 钻机主体</b>				
1.1	<p><b>Mast / 井架</b>                      -Model:JJ450/45-K;Meet API 4F / 型号: JJ450/45-K;符合 API 4F 标准;                      -Rated Drilling Depth:6000M with <math>\phi</math>127 DP; 7000m with <math>\phi</math>114 DP /                      额定井深: <math>\phi</math>127 钻杆6000m,<math>\phi</math>114钻杆7000米;                      -Max. static hook load: 4500kN,12 Lines /                      最大静钩载: 4500kN, 12绳系;                      -45m High; Bottom Span:9m; Top Span: 2.2m<math>\times</math>2.2m /                      高度45米, 下跨距: 9米, 上跨距: 2.2m<math>\times</math>2.2m                      -Front Open, K Type Mast, Slingshot Raising /                      前开口型, K型井架, 弹弓式起升                      -Has provision for installing Top Drive / 可安装顶驱</p>	JJ450/45-K	set / 套	1	China / 中国
1.1.1	<p><b>Racking Board / 二层台</b>                      Three Fixing Level: 24.5m, 25.5m 26.5m; Racking capacity                      23,000'(7000m)of <math>\phi</math>127mm (5" )DP; 4 stands of 9-3/4" DC,6 stands of 8-1/2" DC, 8 stands of 6-1/2" DC. Wind Capacity: Full setback and no hook load 36m/s; No setback and no hook load 47.8m/s;Mast Raising/Lowering <math>\leq</math>8.3m/s.                      安装高度: 24.5m, 25.5m, 26.5m, 二层台容量<math>\phi</math>127mm (5" ) 钻杆23,000' (7000m); 4柱 9-3/4" 钻铤, 6柱8-1/2" 钻铤, 8柱6-1/2" 钻铤。额定风载: 满立根和无钩载: 36m/s; 无立根无钩载47.8m/s; 井架起升/下放速度 <math>\leq</math>8.3m/s。</p>		set / 套	1	China / 中国
1.1.2	<p><b>Leveling Jacks / 调平千斤顶</b>                      -two pieces of 50 ton capacity hydraulic jack /                      两个50吨液压千斤顶hydraulic cylinder model: LF50/200LF /                      液压油缸型号: LF50/200LF;                      cylinder thrust: 50t/油缸推力: 50t;                      cylinder working stroke: 200mm /油缸工作行程: 200mm;                      cylinder rated pressure: 63MPa/油缸额定压力: 63MPa;                      cylinder body height: 330mm/油缸本体高度: 330mm;                      manual hydraulic pump model: SYB-3/手动液压泵型号: SYB-3;                      auxiliary high-pressure rubber hose model:  <math>\phi</math>6<math>\times</math>3m/配套高压胶管型号: <math>\phi</math>6<math>\times</math>3m。</p>		set / 套	1	China / 中国

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1.1.3	<p><b>Sheave units/ 滑轮单元</b></p> <p>-One sheave of 12" (Φ305), has rope groove for 0.092" (Φ2.3mm) wire, installed on back face truss of second section of mast, the sheave has taper roller bearing; /            一个12" (Φ305), 绳槽直径0.092" (Φ2.3mm), 安装在井架二段的背扇钢架上, 滑轮带锥形滚子轴承;</p> <p>-four sheaves of 14" OD, rope groove 3/4" (Φ19), installed on the top of mast; / 4个14" 外径滑轮, 绳槽直径3/4" (Φ19), 安装在井架顶部;</p> <p>-one auxiliary sheave of 20" OD, 9/16" (Φ14) rope groove, /            一个20" 外径的辅助滑轮, 绳槽直径9/16" (Φ14)</p>		set	1	China / 中国
1.1.4	<p><b>Accessories of mast/ 井架附件</b></p> <p>-One ladder climbing assistant device./一套登梯助力装置;</p> <p>-Two anti-fall device;dead line anchor fixed on the fist section of right leg;/            两套防坠落装置, 死绳固定器安装在右大腿第一段上;</p> <p>-Two pieces of tong back-up post; /两套大钳尾绳桩;</p> <p>-Two sets of tong counter weight sheave; two sets of tong counter weight;            /两套大钳平衡重滑轮, 两套大钳平衡重;</p> <p>-One A frame/ 一个人字架;</p> <p>- hook load capacity of crown block is 4500KN;/天车钩载4500KN;</p> <p>-crown block assembly includes 6 pieces of 60" OD sheave that has 1-1/2" rope groove and anti-dust taper roller bearing,one fast line sheave of 60" OD that has 1-1/2" rope groove; the crown block assembly is equipped with anti-slip floor and kick plate; one piece of wood sliper block used as crown block anti-collision bumper that covered with metal net and safety chain; one lifting crane on the top of crown block for crown block sheave maintenance of 5 ton capacity. /            天车总成包括6个60" 外径滑轮其绳槽直径为 1 1/2" 和防尘锥形轴承, 一个60"外径快绳滑轮其绳槽直径为 1 1/2" ; 天车总成配有防滑地板和踢脚板; 一个覆盖有金属网和安全链的木块作为天车防碰缓冲器; 一个5吨的起升装置在天车上用于天车滑轮的维修</p>		set	1	China / 中国

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1.1.5	<p><b>Damping Device (Including one Hydraulic Power Station) / 缓冲装置</b> (含一套组合液压站)</p> <p>-two sets of hydraulic cylinder damping device and relevant joints &amp; hose for raising and lowering operation / 两套液压油缸式及其管路附件用于起下放操作 -each rig equipped with four (4) buffer hydraulic cylinder, hydraulic supplied by compact hydraulic station / 每套钻机配套4个缓冲液压缸，液压源由组合液压站提供。 buffer hydraulic cylinder model: HSGK01-160/110E-5221-550x905 / 缓冲液压缸型号: HSGK01-160/110E-5221-550x905; -Rated working pressure:16MPa / 额定工作压力: 16MPa; -working stroke: 550mm / 工作行程: 550mm; -installation: adjoint with flange in the midist/安装方式: 中部法兰连接; -auxilliary accessories: cylinder right angle cross over: 8 pcs; hydraulic rubber hose :1/2" hydraulic hose assembly: 4 pcs; hydraulic rubber hose: 1/2" hydraulic hose assembly: 20m; Italy snap coupling / 配套附件: 油缸直角过渡接头: 8件; 液压胶管: 1/2"液压软管总成12米: 4根; 液压胶管: 1/2"液压软管总成20米: 4根; 意大利进口快速接头: 8套。</p>		set	2	China / 中国
	<p><b>TDYZ160/16-8B Combined Multifunction Hydraulic Station / TDYZ160/16-8B多功能综合液压站</b></p> <p>Max System Flux: 160L/min / 系统最大流量: 160L/min; Rated System W.P.:16MPa / 系统额定工作压力: 16MPa; Max W.P.:21MPa / 最高工作压力: 21MPa; Rated Single Pump Output Flux:120 L/min +40 L/min / 单泵额定输出流量:120 L/min +40 L/min; Oil Tank Capacity:850L / 油箱容积: 850L; Power of Electrical Heater:2kWx2 / 电加热器功率: 2kWx2; Radiator Area of Cooler:20m2 / 冷却器散热面积: 20m2 Power of Radiator:20kW / 散热功率: 20kW Power of Air Cooled Motor:0.75kW / 风冷电机功率: 0.75kW Working Medium: Antifriction Hydraulic Oil(Winter:L-HM32; Summer:L-HM46) / 工作介质:抗磨液压油 (冬季: L-HM32; 夏季: L-HM46)</p>			1	

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1.1.6	<p><b>Dead Line Anchor/死绳固定器</b> The anchor is equipped at the bottom of derrick opposite to driller's position, completed with a tension type weight sensor, a spooling device and jumper bars to prevent wire line from jumping off the anchor. suitable for 1-1/2" line, max load of 492KN, weight of 700kg / 死绳固定器安装在井架底部司钻对面，配有一个张力型重量传感器，一个卷绳装置和一个防跳杆防止钢丝绳从死绳固定器滑落。适用于1-1/2"的钢丝绳，最大载荷492KN，重700公斤。 Lever ratio: 0.4 Load transducer: JZ500A.1.6 (6.83MPa) 传感器配置: JZ500A.1.6 (6.83MPa)</p>		set	1	China / 中国
1.1.7	<p><b>Piping/ 管线</b> Air supply piping , hoses , valves and fittings to/空气供应管线，软管，阀和配件到下列设备： -Air receivers/ 储气罐 -Drawworks /绞车 -Air Winch/ 气动绞车 -Instrumentation/ 仪表 -Racking board winch /二层台绞车</p>		set	1	China / 中国
1.1.8	<p><b>Mud lines /泥浆管线</b> From the out let of bell nipple spool/自出口管线喇叭口短接 -To be fastened to the underside of rotary beams , with adapter LP flanges for 13-5/8" / 固定在转盘梁下方，带13-5/8" 低压法兰 -Trip tank fill line to bell nipple / 补给罐泥浆管线到喇叭口</p>		set	1	China / 中国
1.1.9	<p><b>Air winch for Racking Board (0.5t) / 二层台气动绞车 (0.5t)</b> -DW power adopts the piston air motor / 采用活塞式气马达为动力的绞车 -max. pulling force: 5kN/最大牵引力: 5kN; -working air pressure: 0.6 - 0.9MPa / 工作气压: 0.6-0.9MPa; -O.D. of wire line: 8mm / 钢丝绳直径: 8mm; -demession: 675x343x460mm; / 外形尺寸: 675×343×460mm; -weight: 117kg / 重量: 117kg。</p>	0.5t	set	1	China / 中国
1.1.10	<p><b>Pneumatic casing stabbing board / 套管扶正台</b> -operation platform is mounted for operator uprighting the casing when running casing / 下套管作业时，为操作人员提供扶正套管的操作平台。 -min. distance to the hole: 700mm / 距井眼中心最小距离: 700mm; -max. distance to the hole: 1200mm / 距井眼中心最大距离: 1200mm; -max. lift heght: 5000mm / 最大升降距离: 5000mm; -max. lift speed: 3000mm/min / 最大升降速度: 3000mm/min; -max. load capacity: 200kg / 最大承载能力: 200kg。</p>	QFT200-5	set	1	China / 中国

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1.2	<p><b>Substructure /底座</b></p> <p>-Model: DZ450/9-S, Meet API 4F/ 型号: DZ450/9-S, 符合API4F规范;</p> <p>-Slingshot raising type /弹弓式起升形式;</p> <p>-drill floor: 9m high, clearance to ground from the Rt table beam is 7.617m, drill floor area13.3m ×11.66m / 钻台高度9米, 从地面到转盘梁净空高7.617米, 钻台面积13.3m ×11.66m;</p> <p>-RT beam load capacity is 4500kN,setback capacity of setback case is2200kN and has room for 5" size DP of 7000m. / 转盘梁载荷4500kN, 立根盒载荷2200kN, 可容7000米的5" 钻杆</p>	DZ450/9-S	set	1	China / 中国
1.2.1	<p><b>Stairs &amp; handrails /梯子与栏杆</b></p> <p>-Three sets with 3' - 6" handrails stair way ladders , two from floor to ground and one from floor to mud tank ( stairs with bar grating ) / 三套带3' - 6" 栏杆的梯子, 两个从钻台到地面和一个从钻台到泥浆罐, (梯子带钢格踏步板);</p> <p>-All Handrails around Drilling Floor / 钻台周围要有栏杆</p>		set	1	China / 中国
1.2.2	<p><b>V – door ramp/大门 坡道</b></p> <p>-60" V-door ramp with 1/2" plate on ramp down to 42" high catwalk. (Has ladder on the side of ramp,it's one ladder of 1.2.1) / 60" 大门 坡道带 1/2" 铺板到42"高的猫道 (在坡道一旁有梯子, 这是1.2.1中的一个梯子)。</p>		set	1	China / 中国
1.2.3	<p><b>Catwalk /猫道</b></p> <p>-42" (H) ×60" (W) × 50' (L) ( 1066×1524×15240mm)</p> <p>-Catwalk is divided into two sections / 猫道分为两段</p>		set	1	China / 中国
1.2.4	<p><b>Tong back-up Post tube support / 大钳尾绳桩支座</b></p>		set	1	China / 中国
1.2.5	<p>Capllipers for Free Floating Type Mouse Hole with mouse hole casing assembly of ( 10" × 34' long ) / 小鼠洞浮动式卡钳带小鼠洞套管总成 ( 10 英寸 × 34英尺)</p> <p>One rat hole casing assembly for 5-1/4" kelly with mounting plate and bottom spring,13" × 44' long. / 一个大鼠洞套管总成用于 5-1/4" 方钻杆, 带固定板和底部弹簧, 13英寸 × 44英尺长。</p>		set	1	China / 中国

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1.2.6	<p><b>Dog house / 钻工偏房</b>  -equipped at the left side of drill floor, and a same one is also equipped at the right side of drill floor. / 安装在钻台的左边, 另一个安装在钻台右边。  -The left dog house is divided into 3 rooms (a walking board with hand rail is equipped at the back end.): /  左偏房分成三个房间 (后端设一个带栏杆的过道) -With overall dimension of 10500mm×2800mm×2800mm, the left doghouse is composed of platform room, working room and combined hydraulic station. The platform room is mainly to connect with the entrance of ladder up to the DF on the left side. There is desk and chair, eye washing basin, hydraulic station for disc brake, panel box, and tool kit and so on in the working room.  Another room is for combined hydraulic station especially. /  外形尺寸10500mm×2800mm×2800mm, 左偏房由平台间、工作间和组合液压站间组成, 平台间主要连接左侧上钻台面梯子的入口; 工作间有办公用写字台及椅子、洗眼台、盘刹液压站、配电柜和工具箱等; 另外一间专门放置组合液压站。  -The right dog house is divided into two rooms / 右偏房分成两个房间  -With overall dimension of 7700mm×2800×2800mm, the right doghouse is composed of platform room and tool room. The platform room is mainly to connect with the entrance of ladder up to the DF on the right side and the tool room is mainly for the locksmith desk and tool support./外形尺寸7700mm×2800×2800mm, 右偏房由平台间和工具间组成, 平台主要连接右侧上钻台面梯子的入口; 工具间有钳工台及工具架</p>		set	2	China / 中国
1.2.7	<p><b>Air reservoir tank, see item 2.3 / 储气罐 见 2.3项</b></p>		set	1	China / 中国
1.2.8	<p><b>Utility Air Winch / 气动绞车</b>  -main instucture consists of piston air motor, gear box, spool, disc brake system and winch cradle, according with API 7K. /  主要结构由活塞式气马达、齿轮箱、滚筒、刹车系统和绞车架等组成, 符合API 7K规范。  -max. tractive force: 50kN / 最大牵引力: 50kN;  -Line speed : 55 fpm (16m/min) / 绳速: 55 fpm (16m/min)  -Wire Rope size : 5/8" (φ16mm) / 绳尺寸: 5/8" (φ16mm)  -Drum dim : 12" / 滚筒尺寸: 12"  -wire line: 70km / 钢丝绳容量: 70km;  -demension: 1254×900×989mm / 外形尺寸: 1254×900×989mm;  -theoretical weight: 680kg / 理论重量: 680kg。</p>	5t	set	3	China / 中国

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1.2.9	<p><b>BOP Hydraulic Handling System 2×20t=40t /</b>  <b>BOP液压防喷器移动装置2×20t=40t</b>  -each rig equipped with two wellhead equipment (BOP) hydraulic lifter, both of which could simultaneously move, lift, or independently operate. It is a hydraulic spool type lifting device. /  每台钻机上配套两套井口设备（防喷器）液压吊装车，可实现两边同时行走、同时起升，也可以分别操纵，从而实现分别行走、分别升降的要求，为液压卷扬式提升机构。  -lift working pressure: 16MPa / 提升工作压力：16MPa；  -walking pressure: 10MPa / 行走工作压力：10MPa；  -max. lifting weight: 20t (single hook) x 2 = 40 t /  最大提升重量：20t（单钩）×2=40t；  -max. lifting height: 5m / 最大提升高度：5m；  -waling speed: 6m/min / 小车行走速度：6m/min；  -max. lifting speed: 2.2m/min / 最大提升速度：2.2m/min；  -theoretical weight: 1530Kg / 理论重量：1530Kg。</p>		set	1	China / 中国
1.2.10	<p><b>Hydraulic Cathead / 液压猫头</b>  Make up Cathead YM10, Break out YM16  /上扣猫头YM10，卸扣猫头YM16      YM-16 Technical Parameter / YM-16技术参数  Rated Working Pressure:16 MPa; /额定工作压力：16MPa；  Max Working Pulling:160kN / 最大工作拉力：160kN；  Max Travel of Wire Rope:1200 mm / 钢丝绳最大行程：1200 mm；  Rated Working Flux:90 L/min / 额定工作流量：90 L/min；  YM-10 Technical Parameter / YM-10技术参数  Rated Working Pressure:16 MPa / 额定工作压力：16 MPa；  Max Working Pulling:100 kN / 最大工作拉力：100 kN；  Max Travel of Wire Rope:1200mm / 钢丝绳最大行程：1200mm；  Rated Working Flux:90 L/min / 额定工作流量：90 L/min。</p>	YM10/Y M16	set	1	China / 中国

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1.2.11	<p><b>Hydraulic lifter/ 液压提升机</b>  consists of supply staire upper &amp; lower segments, tools - hoist railing and explosion proof equipment control system. The whole system equipped with limit protector, which the upper limiter apply two-stage limiter protector (positioning limit to the first, safty limit to the second), electrical control system meet the Exd II, control system installed at drill floor, ground for operation. / 由运输梯梯身上、下段, 工具-吊拦及防爆电器控制系统等组成, 整套装置配备上下限位保护装置, 且上部应用两级限位保护(第一级为定位限位; 第二级为安全限位), 电控系统均满足Exd II 防爆要求, 工具梯在钻台上、地面、两处设有控制装置, 操作方便。</p> <p>-rated working pressure: 16MPa / 额定工作压力: 16MPa;  -max. lift height: 9m / 最大提升高度: 9m;  -max. lift weight: 1000kg / 最大提升重量: 1000kg;  -electrical system ex-proof: Exd II BT 4 /  电器系统防爆等级: Exd II BT4;  -folded size: 7000 x 1450 x 1250mm /  折叠后外形尺寸: 7000×1450×1250mm;  -unfolded size: 11180 x 1300 x 1600mm /  展开后外形尺寸: 11180×1300×1600mm;  -theoretical weight: 2300kg / 理论重量: 2300kg。</p>	YT1500-9	ea	1	China / 中国
1.2.12	<p><b>Deviation Survey Unit /测斜装置:</b>  - adopt motor power, hydromechanical stepless change, with one (1) angle sheave (411 whorl) /  采用电动机动力, 液压机械无级变速, 随机带导向轮1个(411螺纹)  Rated Power: 7.5kW / 额定功率: 7.5kW  Max. Depth: 7000m / 最大井深: 7000m  Max. Load: 4077N / 最大载荷: 4077N  Transmission: Gear ratio and hydraulic step-less change /  传动方式: 齿轮传动和液压无级调速  Dia.of wireline: Φ2.5mm / 钢丝绳直径: Φ2.5mm -rated  working pressure: 15.7 MPa / 额定工作压力: 15.7 MPa;  -max speed of each shift: I 91r/min, II 170r/min /  卷筒各档最大转速: I 档91r/min, II 档170r/min;  -dimension(L x W x H): 895 x 920 x 1075mm /  外形尺寸(长×宽×高): 895×920×1075mm;  -theoretical weight: 800kg / 理论重量: 800kg。</p>	CJ7000F	ea	1	China / 中国



Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
1.3	<p><b>Drawworks / 绞车</b></p> <p>-Drawworks Construction: DW has three shafts, input shaft, intermediate shaft and drum shaft; 2000HP (1470KW); driven with two YZ08 DC motors, the parameters and dimension of the motor is exchangeable to corresponding GE motor. / 绞车结构: 三轴绞车, 一个输入轴, 一个中间轴和一个滚筒轴; 绞车功率: 2000HP (1470KW), 由两台YZ08直流电机驱动, 其电机的参数和尺寸与GE电机互换;</p> <p>-Drilling line size 1-1/2" (Φ38mm) / 钻井钢丝尺寸: 1-1/2" (Φ38mm);</p> <p>-Max. fast line pull 485kN / 最大快绳拉力485kN;</p> <p>-Equipped with Crown-O-Matic valve device on drawworks(see 1.1.5) / 配天车过卷阀装置(见1.1.5);</p> <p>-Equipped with independent water cooling system for drawworks and auxiliary brake / 绞车带独立的水冷却系统和辅助刹车;</p> <p>- the drawworks is fixed on the drill floor / 绞车安装在钻台上。</p>	JC70D	set	1	China / 中国
1.3.1	<p><b>Drawworks Main Body / 绞车主体</b></p> <p>-Includeing input shaft, intermediate shaft , drum shaft and drawworks frame / 包括输入轴, 中间轴, 滚筒轴和绞车架。</p>		set	1	China / 中国
1.3.2	<p><b>Hydraulic Disc brake / 液压盘刹</b></p> <p>- Main Brake is hydraulic disc brake / 主刹车为液压盘刹;</p> <p>- PSZ75B</p>	PSZ75	set	1	China / 中国
1.3.3	<p><b>Auxiliary brake / 辅助刹车</b></p> <p>-Water Cooling Eddy Current Brake Model: DS-70 / 水冷电磁涡流刹车, 型号: DS-70; ambient temperature: -20℃~+50℃ / 适用环境温度: -20℃~+50℃;</p> <p>-max. brake torque: 110000N.m (at 50r/min) / 最大制动扭矩: 110000N.m (50r/min时);</p> <p>- max. excitation: 23kw / 最大励磁功率: 23kW;</p> <p>- excitation current: 0~84ADC / 励磁电流: 0~84ADC;</p> <p>- rectifier transformer capacity: 50KVA / 整流变压器容量: 50KVA;</p> <p>- grade of insulation: H / 绝缘等级: H级;</p> <p>- cooling water capacity: 75m3/h / 冷却水量: 75m3/h;</p> <p>- weight: ≤11000kg / 重量: ≤11000kg。</p>	DS-70	set	1	China / 中国
1.3.4	YZ08 800KW DC Motor / YZ08 800KW直流电机	YZ08	set	2	China / 中国
1.3.7	Cooling Device: Including water tank, motordrive water pump and piping / 水冷装置: 包括水罐, 电动水泵和管线			1	

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
1,4	<p><b>Crown Block / 天车</b>            -Model TC450 Crown Block, meet API 8A, 4F / 型号: TC450 天车, 符合 API 8A, 4F规范;            -Max.Static Hook load 4500kN, 1×60" (1524mm) fast line sheave and 6×60" (1524mm)crown block sheaves, groove1-1/2" / 最大静钩载4500kN, 一个1×60" (1524mm) 快绳滑轮和6个 60" (1524mm)天车滑轮, 绳槽直径1-1/2" ;            -equipped with one 5 ton lifting crane for shaeve maintenance. / 配备有5吨重的天车起升装置;            -Dimensions:3068×2906×3576 (mm) / 尺寸:3068×2906×3576 (mm);            -Weight: 9500kg / 重量 9500kg;            See 1.1.4 / 见1.1.4</p>	TC450	set	1	China / 中国
1,5	<p><b>Travelling Block / 游车</b>            -Model YC450 , meet API 8A / 型号YC450, 符合API 8A标准,            -Max. Static Hook Load:4500kN / 最大静钩载: 4500kN;            -1-1/2" Drilling Line , 6 sheaves , Sheave OD:60" (1524mm) / 1-1/2" 钻井大绳, 6个滑轮, 滑轮外径: 60" (1524mm);            -Dimensions:3075×1600×800 (mm) / 尺寸: 3075×1600×800 (mm);            -Weight: 8135kg / 重量8135kg。</p>	YC450	set	1	China / 中国
1,6	<p><b>Hook / 大钩</b>            -Model DG450, Meet API 8A / 型号: DG450, 符合API 8A规范;            -Max. Static Hook Load -4500kN / 最大静钩载: 4500kN ;            -primary hook OD: Φ180mm / 主钩口直径: Φ180mm;            -auxillary hook OD: Φ120mm / 副钩口直径: Φ120mm;            -spring load / 弹簧负荷            -at stroke starting: 30.60kN / 弹簧行程开始时: 30.60kN;            -at stroke end: 56.50kN / 弹簧行程终了时: 56.50kN;            -primary hook opening size: 220mm / 主钩口开口尺寸: 220mm;            -body turning semidiameter : 510mm / 钩身旋转半径: 510mm;            -200mm(0.64ft)Main Hook Buffer Distance / 主钩缓冲距离: 200mm(0.64ft);            -Dimensions: 2953×890×880 mm / 尺寸: 2953×890×880mm;            -220mm(0.7ft)Main Hook Buffer Distance / 主钩缓冲距离: 220mm(0.7ft);            -Dimensions: 2950×890×883 mm / 尺寸: 2950×890×883 mm;            -Weight: 3496kG / 重量: 3496kG。</p>	DG-450	set	1	China / 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
1.7	<p><b>Double action Swivel / 双作用水龙头</b>            -Model: SL450-II, Meet API 8A./ 型号: SL450-II, 符合API 8A.规范;            -Max. Static Load: 4500 kN;/ 最大静钩载: 4500 kN;            --Max.Rotary Speed: 300 rpm;/ 最大转速: 300 rpm;            -Max.W.P:34.3 MPa;/ 最大工作压力: 34.3 Mpa;            -ID of Swivel: 75mm (3" );/中心管内径: 75mm (3" );            -Connection Thread: 7-5/8" REG LH to Sleeve;/ 接头丝扣: 7-5/8" REG            左旋至中心管;            6-5/8" to Kelley;/6-5/8" 至方钻杆; -goose neck            joint thread: 4" -8 tooth/in / 鹅颈管接头螺纹4" -8牙/寸            -Dimensions: 3015×1096×1065(mm);/ 尺寸: 3015×1096×1065(mm);            -Weight:3310kg。 / 重量: 3310kg。</p>	SL450-II	set	1	China / 中国
1.7.1	<p><b>Air spinner / 气动旋扣器</b>            -Air pressure:0.7-0.9MPa / 空气压力: 0.7-0.9MPa            -Rated torque:1600N.m / 额定扭矩: 1600N.m            -Max torque:2500N.m / 刹车扭矩: :2500N.m            -Overall Dimension :740×565×475 / 外形尺寸: 740×565×475            -Weight:272kg / 重量: 272kg</p>		set	1	China / 中国
1.7.2	<p><b>Kelly Bushing / 方钻杆补心</b>            -One pin drives kelly bushing complete with wrench and wiper assembly for            5-1/4" API hexagonal kelly;/            一个销驱动六方钻杆补心配提环和刮泥板用于 5-1/4" API六方钻杆;            -One 3-1/2" API hexagon roller drive kelly bushing assembly / 一个 3-            1/2" API六方碾子驱动方钻杆补心总成</p>		set	1	China / 中国
1.9	<b>Wire line device / 钢丝绳单元</b>				
1.9.1	<p><b>Drilling line / 钻井大绳</b>            -Model: Φ38-6×19S+IWR EIPS;/ 型号: Φ38-6×19S+IWR EIPS;            Drilling line meet API9B;/ 钻井大绳 符合API9B;            2200m / Roll /每卷长度: 2200m。</p>		Roll	1	China / 中国
1.9.2	<p><b>Raising line / 起升大绳</b>            -type:Φ72-6×61-FC-1770MPa (two pcs each set) / 规格型号: Φ72-6×61-            FC-1770MPa (一套2件);            - socket to center bore: 48355±25mm /            绳头套环中心孔距离: 48355±25mm。</p>		set	1	China / 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
1.9.3	<p><b>Hydraulic reserving device / 电动倒绳机</b>            -adopt combining the hydraulic power and the mechanical trasmission, meet the requirment of spooling and lengthening the line. Spooler meets the requirment of stringing and extracting the line. Hydraulic supply with hydraulic oil heater, control system and electrical operating system on the upperside, easy for operation, comply to ex-proof requirment. /            该机采用液压力与机械传动相结合的运动方式，满足钻机大绳的收绳和放绳的工况要求；设置有引绳滚筒，满足钻机穿、抽绳的工况要求；自带液压源，并配置有液压油电加热器、液压操作系统和电器操作系统置于液压源上部，操作必须灵活方便，所有电器必须达到防爆要求。            -integral rated working pressure: 16MPa/系统额定工作压力:16MPa;            -integral rated flow rate: 20l/min/系统额定流量: 20l/min;            -output rotating speed: 0~5r/min / 输出转速: 0~5r/min;            -max. load: 10t / 最高承重: 10t;            -max. output torque: 1000N.m / 最大输出扭矩: 10000N.m;            -spooler max ratating semidiameter: 1100mm/绳筒最大旋转半径: 1100mm            -stringing spooler OD:φ325mm / 穿绳筒直径: φ325mm            -stringing (reeving) max torque: 1500N.m / 穿（抽）绳最大扭矩: 1500N.m            -stringing (reeving) spooler speed: 0~20r/min /            穿（抽）绳滚筒转速: 0~20r/min</p>		set	1	
1.10	<p><b>Rotary Table / 转盘</b>            -ZP375Meet API 7K; / ZP375转盘符合 API 7K;            -37-1/2" Openning / 开口直径 37-1/2" ;            -Maximum Static Load Cap.:5850kN(1315139Lbs) /            最大静钩载5850kN(1315139Lbs)            -Max. Work Torque:32362Nm(286427in.lbf) /            最大工作扭矩32362Nm(286427in.lbf)            -Max. RPM 300 / 最大转速: 300rpm;            -Gear Ratio: 3.56 / 齿轮传动比: 3.56            -Distance from table axis to the center of inner row of sprocket teeth:            1353mm(4.44ft) 从转盘轴心到链齿轮中心的距离            1353mm(4.44ft);            -Weight: 7548kg(16640Lbs) / 重量: 7548kg(16640Lbs)            -Demension: 2468×1810×718mm(8×6×2ft) /            尺寸: 2468×1810×718mm(8×6×2ft)</p>	ZP375	set	1	China / 中国
1.10.1	<p><b>RT Independent Transmission Device / 转盘独立传动装置</b>            -Independent drive box of rotary table,cw speed gear transmission, cardan shaft and one inertia brake,the rotary speed can be adjusted within 0-257 rpm.            转盘独立驱动箱，带齿轮箱，万向轴和惯刹，转速可从0调到257rpm。</p>		set	1	China / 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
1.10.2	<b>Master Bushing / 主补心</b> -One hinged pin drive master bushing accordance with bowl No. 3 , fitting sling and bit breaker adapter platter for 37-1/2" rotary table / 一个铰链销驱主补心(符合3号补心)、提环和钻头卸扣器连接板用于37-1/2" 转盘。		set	1	China / 中国
1.10.3	<b>Insert bowl / 补心内衬</b> -One No. 1 API insert bowl for 37-1/2" rotary table and for use with 11-3/4" to 13-3/8" pipe or casing. 一个No. 1 API内衬补心用于 37-1/2" 转盘适于11-3/4" to 13-3/8" 管子或套管 -One No. 2 API insert bowl for 37-1/2" rotary table and for use with 9-5/8" to 10-3/4" pipe or casing. / 一个 No. 2 API内衬补心用于 37-1/2" 转盘适于9-5/8" 至 10-3/4" 管子或套管, -One 20" casing bushing / 一个20" 套管补心。		set	1	China / 中国
1.10.4	<b>Motor / 电机</b> -One YZ08 800kW DC motor / 一台 YZ08直流电机, 800kW	YZ08	set	1	China / 中国
<b>2</b>	<b>Air Supply System / 供气系统</b>			<b>1</b>	
2.1	<b>Screw Compressor / 螺杆压缩机</b> -One LS12-50HHAC sets / 一套螺杆压缩机 LS12-50HHAC组; -rated power of 37kw, working pressure of 1 MPa and output of 5.6m3/min 额定功率37kw, 工作压力 1 MPa, 排量: 5.6m3/min; -exhaust pressure: 1.0 MPa / 排气压力: 1.0MPa; -cooling type: air blast cooled (AC) / 冷却方式: 风冷 (AC); -assembly theoretical net weight: 1280kg / 机组理论净重: 1280kg; -dimension 1829×1219×1581mm / 外形尺寸: 1829×1219×1581mm;	LS12-50HHAC	set	1	China / 中国
2.2	<b>Dryer / 干燥机</b> -rated power of 1.12kW, working pressure of 1.0 MPa and capacity of 6.6m3/min / 额定功率1.12kW, 工作压力 1.0 MPa, 处理量6.6m3/min theoretical weight: 70kg / 理论重量: 70 kg overall dimension: 791×615×552 mm / 外形尺寸: 791×615×552 mm power supply: 220V/1Φ/60HZ / 电 源: 220V/1Φ/60HZ	SRC-240	set	1	China / 中国
2.3	<b>Air storage tank / 储气罐</b> -total volume of 2.5m3+4m3, working pressure of 1.2 Mpa / 总容积2.5M3+4M3, 工作压力 1.2 Mpa		set	1	China / 中国
2.4	<b>Main air lines / 主气管线</b> -1.5" diameter, 1.2 MPa working pressure / 直径 1.5" , 工作压力 1.2 Mpa		set	1	China / 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
3	<b>Power Supply System / 动力系统</b>				
3,1	<p><b>CAT3512B DITA Diesel Generator Set / CAT3512B DITA柴油发电机组</b>  <b>-main performance description: 发动机主要性能指标</b>  type: CAT3512B DITA型号: CAT3512B DITA;  rated power:1476bhp(1101bkw) W/O FAN(with standard air cleaner)  标定功率: 1476bhp (1101bkW) W/O FAN (带标准空气滤芯);  rated rotary speed: 1200rpm / 标定转速: 1200rpm;  min. stable rotary speed (empty load) &lt;900rpm /  最低空车稳定转速: &lt;900rpm;  type of cooling: fan radiator,closing type /  冷却方式: 风扇散热器, 闭式冷却;  fuel consumption: ≤201g/kWh / 燃油消耗率: ≤201g/kWh;  lube oil consumption:&lt;1.4g/kWh / 机油消耗率: &lt;1.4g/kWh;  discharge:conform to EPA specification USA. /  排放: 按照美国联邦EPA标准要求;  shifting type: electronic regulator / 调速方式: 电子调速器;  <b>-main technical description / 发电机主要技术指标</b>  type: SR4B / 型号: SR4B;  protective grade:IP23 / 防护等级: IP23;  type of voltage regulation: automatic (AVR) / 调压方式: 自动调压(AVR);  type of magnetizing: brushless excitation(SE) /  励磁方式: 无刷自励磁式(SE);  rated rotary speed: 1200rpm / 额定转速: 1200rpm;  <b>-generator sets technical parameters / 机组技术参数</b>  capacity: 1900KVA / 容量: 1900KVA;  rated frequency: 60HZ / 额定频率: 60HZ;  rated power factor: 0.7 / 额定功率因数: 0.7;  rated voltage: 600V / 额定电压: 600V;  rated current: 1828A / 额定电流: 1828A;  rated rotary speed: 1500rpm / 额定转速: 1200rpm;  type of starter: air moter / 起动方式: 气马达起动。</p>	CAT 3512B DITA	set	4	USA 美国
	<p>Auxiliary Generator Set / <b>辅助发电机组</b> <b>-generator set</b>  <b>performance parameters / 机组性能参数</b>  continuse output power: 400kw / 持续输出功率: 400kW;  fuel consumption 100% load  g/kwh: 199;燃油消耗100%负荷g/kwh: 199;  type of cooling:closed cycle fan cooling / 冷却方式: 闭式循环风扇冷却;</p>				

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
3.2	<p>dimension: 3500×1250×1800 / 机组外型尺寸: 3500×1250×1800;  <b>-generator electric &amp; air performance parameters / 机组电气性能</b>  rated voltage:480/110V / 额定电压: 480/110V;  rated current:720A / 额定电流: 720A;  rated frequency :60HZ / 额定频率: 60HZ;  <b>-main performace description of generator 发动机主要性能指标</b>  type: VOLVO TAD1641GE / 型号: VOLVO TAD1641GE;  max power: 484kw / 最大功率: 484kW;  type of inlet:turbocharging / 进气方式: 涡轮增压;  type of cooling: water cooling / 冷却方式: 水冷;  rated rotary speed ; 1500 / 额定转速: 1500;  type of starter 24V electric starter /启动方式: 24V点气动;  generator technical parameters / 发电机技术参数  type: HCI544C1 / 型号: HCI544C1;  rated power: 400kw / 额定功率: 400kW  control screen: RC-FK06 / 控制屏: RC-FK06;  type of starter: manual / 启动方式: 人工手启动;</p>	VOLVO	set	2	China 中国
3.3	<p><b>ENGINE GENERATOR House / 发电机房</b>  -Qty of Generator house 5: 4 for main generators and 1 for auxiliary generator, Every house has a center open type double doors at the radiator end of the engine, there are slide doors on each side of the house, houses can be merged into one complete station. /  数量: 5套, 4套用于主发电机和一套用于辅助发电机, 每个房子在冷却风扇端有一个中间对开门, 在房的两侧有推拉门, 所有侧墙是可移动的, 形成一个完整的房屋;  -Including cable lug connection poles, cables, oil and air pipes./  包括所有的接线柱, 电缆和油气管线;  -Compressure air source is arranged in the auxiliary generator house./  压缩空气源安装在辅助发电机房内。</p>		set	5	China 中国
3.4	<p><b>SCR Electrical Drive System 600V 60HZ Meets GB3797&amp;GB4720 Standard / SCR传动系统 600V 60HZ 符合GB3797和GB4720标准</b></p>		set	1	

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
3.4.1	<p><b>SCR Control Cubicle / SCR控制柜</b>  -6 sets of SCR control cubicle for 9 DC motor's drive used for one drawworks, 3 mud pumps and rotary table / 6套 SCR 控制柜完成对9台直流电机的驱动，用于驱动1台绞车，3台泥浆泵和一台转盘。  -Simence DC electric transmission system.  The DW and RT adopt one to one transmission, Mud pump is one to two.  SCR quantity: Six(6) sets.(DW: 2 set DC1500A, RT: one(1) DC1500A, Mud pump: Three(3) DC2000A) /  采用西门子直流传动系统，绞车、转盘采用一对一传动方式；泥浆泵采用一对二传动方式。SCR装置数量：6台（绞车2台DC1500A，转盘1台DC1500A，泥浆泵3台DC2000A）；  -1 set auto-drilling contral system(AC drive) /  一套自动送钻控制系统（交流驱动） auto-feeding system uses ABB ACS800 AC transmission system, which could achieve automatic drilling control.自动送钻系统采用ABB ACS800交流传动系统，实现自动送钻控制。</p>		set	6	China 中国
3.4.2	<p><b>600V AC Engine/Generator Control Cubicle / 600V交流发电机控制柜</b>  -4 sets of main generator's control cubicle for control of four CAT3512B generator set / 4套主发电机控制柜完成对4台CAT3512B柴油机组的控制；  -1500rpm,600V,60Hz.continuous power: 1200 KW, 1900KVA, PF=0.7 /  1500rpm,600V,60Hz, 连续功率1200 KW, 1900KVA, PF=0.7;  -Realize paralel running control of any two of four generators, equal power distribution / 可实现4台发电机中任两台并车运行，均衡负载；  -Speed control and voltage control are close circuit control, power limit. /  速度控制和电压控制为闭环控制，功率限制；  -On line parameter calibration and display / 在线参数测量和显示；  -Realize warning /alarming and protection function / 可实现报警和保护。  -Four(4) sets generator control cabinets adopt and consist of WOODWARD fully digital converter,synchro control,Bassler digital voltage regulator and frequency indicator, voltage indicator, power indicator. The integral digital system adopt standard RS series communicate interface which transform the data to the whole system.  /4台发电机控制柜采用WOODWARD全数字调速器、同步控制器和巴斯勒数字调压器及频率、电压、功率指示表组成，采用标准的RS系列通讯接口将数据传送到整个系统中，组成完整的数字化系统。</p>		set	4	China 中国



Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
3.4.3	<p>600VAC DISTRIBUTION SYSTEM / 600V交流配电系统</p> <p>-One 600V/400V,1250kVA, Dry Type Tranformer. / 一个600V/400V,1250kVA 干式变压器,</p> <p>-60HZ, 3 phase,chalcosphere,Δ/Y connection,installed in the transformer house of the electric control room. / 60HZ, 3相, 铜绕, 接法Δ/Y.安装在电控房一端的变压器室内。</p> <p>-One set of 600V,1600A Breaker, supply power to Tranformer / 一套600V, 1600A断路器, 向变压器供电;</p> <p>primary breaker of the transformer installed in the switch cabinet / 变压器原边断路器安装在开关柜内。</p> <p>-220V power distribution board, including 220V lighting system. / 220V配电板, 包含220V照明系统。</p>		set	1	China 中国
3.4.4	<p><b>480V MCC:</b></p> <p>-MCC supply power and control to pump and agitators of solid control system, hydraulic power source, blowers, air compressors, oil pumps, and BOP system.Motors of larger than 30KW are central controlled in SCR room, only there is on/off EX-Proof button beside each motor. Motors of less than 30KW are controlled locally / MCC向泵、固控系统的搅拌机、液压源、风机、油泵和BOP系统提供动力和控制。功率大于30KW的电机集中在SCR房内控制, 在电机旁只有一个防爆开关, 功率小于30KW的电机就近控制。</p> <p>-every MCC system consits of six(6) cabinets,drawer type,twin contact when the drawer is more than 100A(includ 100A), which control the wellsite motors and distribution. / 每套MCC系统由6个MCC柜子组成, 采用GCS抽屉柜结构, 100A(含100A)以上抽屉采用双触头结构, 实现井场的交流电机控制和交流配电。</p>		set	1	China 中国
3.4.5	<p><b>Breaker / 断路器</b></p> <p>-Top driver breaker/ 顶驱断路器</p> <p>-Transformer the second side breaker / 变压器付边断路器</p> <p>-Auxiliary Generator breaker / 辅助发电机断路器</p> <p>-the transformer primary 600V 1600A 3Φ 60HZ, sub 400V 2000A 3Φ 60HZ breaker and auxillary generator 400V 800A 3Φ 60HZ beraker installed in the switch cabinet. 变压器原边600V 1600A 3Φ 60HZ、副边400V 2000A 3Φ 60HZ断路器和辅发400V 800A 3Φ 60HZ断路器安装在开关柜中。</p>		set	3	China 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
3.4.6	<p><b>Plugs/sockets 插头和插座</b></p> <p>-used for connecting MCC and auxiliary electric appliances / 用于连接MCC和辅助电设备的连接。</p> <p>-adopt oil exclusive use sockets, water resistance, sand resistance which fit the specilization of oilfield. / 采用石油专用插头插座，具有防水，防砂功能等适合油田使用的特征。</p>		set	1	China 中国
3.4.7	<p><b>SIMENS PLC System 西门子PLC 系统</b></p> <p>adopt high performance S7-300PLC control system, PROFIBUS-DP bus technic to exchange data of the DW, RT, MP &amp; Auto-drilling system, also monitoring, fault alarming, diagnosing, reporting &amp; picturing all of the running status of the SCR &amp; MCC through the touch screen, which to built a digitization, informationization, intelligentization management platform, finally could transform data, failure monitoring, optimization control and monitoring the whole drilling progress.</p> <p>采用高性能 S7-300PLC控制系统、PROFIBUS-DP总线技术进行绞车、转盘、泥浆泵、自动送钻系统之间的数据快速交换，并通过触摸屏对系统所有SCR柜的运行状态、MCC运行状态等进行监控及故障报警、诊断、报文、组态画面等。为钻井工程创建一个数字化、信息化、智能化的管理平台，最终实现对系统各装置的远程数据传输和故障监控，优化控制和监测整个钻井过程。</p>		set	2	China 中国
3.4.8	<p><b>Standard Air Conditioner 标准空调</b></p> <p>-SCR house cooling system adopt two TRANE to cooldown the SCR transmission cabinets, which could ensure a suitable teperature. One 1.5hp ex-proof conditioner shall installed in the driller cabinet, providing a comfortable working condition to the driller. /</p> <p>SCR房冷却系统采用两台TRANE对SCR直流传动柜进行冷却降温，可保证SCR柜在一个适合的温度范围内。司钻房配1.5匹单冷防爆空调，为司钻提供一个舒适的工作环境。</p>		set	2	China 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
3.4.9	<p><b>SCR HOUSE SCR房</b> -the integral system shall be in one set electric control room, the dimension is under 12.5m(length) x 3.0m(width)x 3.2m(height) which is easier for transportation.It shall conform the requirment of safty operation and resistance the explosion, shock, moisture, water and fire.</p> <p>全套系统设计在一套电控房内，外形尺寸在12.5M(长)×3.0M(宽)×3.20M(高)以内，以便整体运输。具有正确可靠的防爆、防震、防潮、防水、防火措施，符合安全操作要求。</p>		set	1	China 中国
3.4.10	<p><b>Driller Control Cabin (see 8.9) / 司钻控制房 (见8.9)</b> -steel sheet body, dimensiion 2600mmx2200mmx2600mm, equipped with one 1.5P tropic ex-proof cooler conditioner, one set of ex-proof electric heater sheet, a corium revolving chair with left &amp; right control on the two sides. One set of four-pictured industrial TV monitoring system(with two clouds platform) and one set of speaker.Air control system control by combination valve, driller control board &amp; side control board are manufactured by stainless steel, side control board and driller chair was combined together with EX Monogram and conformity certification. The size of electronic control cabinet :1400(width)x350mm(depth)x1800mm(height), whose top 900mm is positive pressure plenum box, conform to ex-proof requirment.</p> <p>房体采用不锈钢板制造，外形为2600mm×2200mm×2600mm，配一台1.5P的热带型防爆单冷空调和一套防爆电加热板，房内配备一把真皮转椅，转椅两侧为左右控制。司钻房内安装一套四画面工业电视监视系统（带两个云台）和一套喊话系统。气控系统由组合阀统一控制，司钻台和左右控制台用不锈钢制作，左右控制台和司钻座椅组成一体，均为正压充气防爆箱，有EX标识和合格证明。司钻房内电控箱尺寸为1400mm宽×350mm深×1800mm高，上部900mm部分为正压充气箱，符合防爆要求。</p>		set	1	China 中国
3.4.11	<p><b>CABLES 电缆</b> -Power cable and Control cable From SCR to four main generators, 9 DC motors, auxiliary generator and driller's cabin</p> <p>从SCR房到主发电机、9台电机、辅助发电机和司钻房的动力电缆和控制电缆， all cable use oilfield exclusive cable, oilproof,water-proof,thermostable and longlife.</p> <p>/所有电缆采用油田专用电缆，防油，防水，耐高温，寿命长。</p>		set	1	China 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
4	<b>Mud Pump &amp; High Pressure Pipe / 泥浆泵和高压管线</b>				
4.1	<p><b>1600HP Mud pump driven with two DC motors each</b> /每台1600HP泥浆泵由两台直流电机驱动</p> <p>Triplex Single Acting / 三缸单作用泵 Max.ID of liner and strike: 7" × 12" ; / 最大缸套内径和冲程: 7" × 12" ; Rated Strikes: 120spm / 额定冲次: 120spm Rated Power of Each Pump: 1180kw(1600 Hp) / 每个泵的额定功率: 1180kw(1600 Hp) Transmission Manner:Herringbone Gear / 传动方式: 人字齿 Gear Ratio: 4.206/1 / 齿轮传动比: 4.206/1 Lubrication: Enforced and Splashed/ 润滑: 强制和飞溅润滑 Valve Size:API7# / 阀型号: API7# Valve Cover:Screw Type/ 阀盖: 螺纹式 Liner lock: Screw Type / 缸套盖固定: 螺纹式 Liner Size: 6" , 6-1/2" ,7" / 缸套尺寸: 6" , 6-1/2" ,7" Max. WP: 35MPa (5000psi) / 最大工作压力: 35MPa (5000psi) Max. Flow Discharge: 46.54 L/s(1.8ft3/s) / 最大排量: 46.54 L/s(1.8ft3/s) Discharge Pipe: 5" / 排出管尺寸: 5" Suction Pipe: 12" / 吸入管尺寸: 12" Dimension: 4426×3262×2688mm /尺寸: 4426×3262×2688mm Weight: 24791 kg / 重量: 24791 kg</p>	F-1600	set	3	China 中国
4.2	<b>YZ08 800KW DC Motor / YZ08 800KW直流电机</b>	YZ08	set	6	China 中国
4.3	<p><b>Mud Pump Accessories / 泥浆泵附件</b></p> <p>-Mud Pump Device: Each drive device includes belt transmission device, skid, motor base skid and connection, narrow-V belt, belt sheaves and belt safety guard. 泥浆泵装置: 包括皮带传动装置, 底撬, 电机底座、接头, V型皮带, 皮带轮和皮带安全护罩; -Accessories:Three cross type strainers / 附件: 三个十字形的筛网过滤器; -12" (305mm), 150 PSI suction Pipe / 12" (305mm), 150 psi的吸入管; -4" (102mm), 5000 PSI Discharge Pipe / -4" (102mm), 5000psi的排出管; -Pressure Dampener / 缓冲空气包 -3" (76mm), 5000 PSI.self -reset safety valve, pressure gauge and super charge hoses -3" (76mm), 5000psi.复位安全阀, 压力表和排出软管。</p>		set	3	China 中国
4.4	<b>High Pressure Pipe / 高压管线</b>			1	

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
4.4.1	<p><b>Mud Manifold / 高压管汇</b>            -Including drill floor manifold, pressure meter, ground dual high pressure pipe, valve, dual stand pipes with ID 4" ×5000 psi, two 4" goose neck pipes of 4" size, H type stand pipe manifold, pipes from substructure to drill floor standpipe, drill fluid manifold, ID 4" , OD133mm; WP 5000psi, test pressure 50mpa,operation temperature :-20℃ to 121℃,medium of operation water, drilling fluid, crude oil, cracked oil, unions for all connections, manual operation for all gate valves.</p> <p>-            包括钻台面管汇, 压力表, 地面双高压管线, 阀, 双立管内径4" ×5000 psi, 两个4" 鹅颈管, H型立管管汇, 从底座到钻台立管的管线, 钻井液管汇, 内径4",外径: 133mm, 工作压力5000psi, 测试压力50mpa, 工作温度 -20℃ to 121℃, 工作介质水、钻井液、原油、裂化油, 所有连接方式为由任连接, 所有的闸阀为手动闸阀。</p>		set	1	China 中国
4.4.2	<p><b>Rotary hoses / 水龙带</b>            - 5000psi, One 19m, One 23m / 5000psi, 两根一根19米, 另一根23米</p>		set	1	China 中国
4.4.3	<p><b>Short hose / 短水龙带</b>            -Length: 15' / 长度: 15'            -W.P. : 35MPa / 工作压力: 35MPa            -T.P. : 56MPa / 测试压力: 56MPa            -OD/ID: 5" /4" / 外径/内径: 5" /4"            -Connection: 4" LP / 连接: 4" LP</p>		set	3	China 中国
4.5	<p><b>Discharge Pump / 灌注泵</b>            -rated power: 55kw; rated rotate speed : 1480r/min ; rated voltage: 380v;            额定功率: 55kW; 额定转速: 1480r/min; 额定电压: 380V;            -cross type: 6" ×8" ;pump delivery rate            接口形式: 6" ×8" ; 泵排量: 240m3/h;</p>		set	3	China 中国
5	<b>Solid Control System / 固控系统</b>				
5.1	<p><b>Mud Tank / 泥浆罐</b>            -Six (6) tank mud system with total capacity of 2400 bbls /            6个泥浆罐总容积 2400 bbls            -each tank Nominal Capacity: 400 bbl (65 m3) / 每个罐的名义容量 400 bbl (65 m3)</p>		set	6	China 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
5,2	<b>Centrifuge / 离心机</b> -drum size: φ450×1200mm / 滚筒尺寸: φ450×1200mm -separation factor 848 / 分离因数: 848 -treatment capacity: 40m3/h / 处理量: 40m3/h -max rotate speed 1800r/min / 最大转速: 1800r/min -min separation size 5~7μm / 最小分离粒径: 5~7μm -host power:45kW / 主机功率: 45kW -charging pump power :7.5kW / 供料泵功率: 7.5kW	LW450-1200	set	1	China 中国
5,3	<b>Centrifuge / 离心机</b> -drum size: Φ355×1250mm / 滚筒尺寸: Φ355×1250mm -separation factor 2035 / 分离因数: 2035 -treatment capacity 40m3/h / 处理量: 40m3/h -max rotate speed 0~3200r/min / 转速: 0~3200r/min -min separation size:2~4μm / 最小分离粒径: 2~4μm -host power: 30kw / 主机功率: 30kW -auxillary power 7.5kw / 辅机功率: 7.5kW -charging pump power:7.5kw / 供料泵功率: 7.5kW	LW335-1250N	set	1	China 中国
5,4	<b>Vacuum Degasser / 真空除气器</b> -capacity: 240 m3/h / 处理量: 240 m3/h : -vacucity: 280-350 mmHg / 真空度: 280-350 mmHg -Power of Vacuum Pump Motor:2.2/3KW (60Hz) / 真空泵电机功率 2.2/3KW (60Hz) - power of main motor: 15 kw / 主电机功率: 15 kw -Rotate Speed of Degasser: 970/1180 (60Hz) r/min / 除气器转速 970/1180 (60Hz) r/min -Weight:1800kg / 质量: 1800kg -Efficiency:≥95% / 除气效率: ≥95% -Overall dimension:1900 (长)×900 (宽)×2200 (高) mm/外形尺寸: 1900 (长)×900 (宽)×2200 (高) mm	ZCQ1/4	set	1	China 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
5,5	<p><b>Poorboy Degasser / 液气分离器</b></p> <p>-capacity :250~300m3/h / 处理量: 250~300m3/h          -degassing efficiency: 85%~90% / 除气效率: 85%~90%          -separator diameter:1000mm / 分离直径: 1000mm          -design pressure:1.Mpa / 设计压力: 1.Mpa          -mud inlet OD: Φ89mm / 进液口直径: Φ89mm;          -mud outlet OD: Φ219mm / 排液口直径: Φ219mm;          -gas discharging OD: Φ219mm / 排气口直径: Φ219mm;          -rated pressure: 0.6MPa / 设计压力: 0.6MPa;          -weight :3000 kg / 质量: 3000kg;          -dimenssion: 7200(length) x 2700(width) x 4000(height) mm /          外形尺寸: 7200 (长) ×2700 (宽) ×4000 (高) mm</p>		set	1	China 中国
5,6	<p><b>15 KW Mud Agitator / 15 KW泥浆搅拌机</b></p> <p>-(1) motor 电机          -type YB160L-4 (B3 type) / 型号 YB160L-4, (B3 型机座)          -rated ratate speed 1460r/min / 额定转速 1460r/min          -power source:380V, 60HZ / 电源 380V, 60HZ          -power 15kW / 功率 15kW          -(2)reducer / 减速器          -center distance 180mm / 中心距 180mm          -gear ratio: 1:20 / 传动比 1:20          -gear lubrication 120" industrial gear oil(SY1172-80) / 齿轮润滑油牌号          120"工业齿轮油 (SY1172-80)          -lubrication oil refuel about 11L / 润滑油加注量约 11 升          -axle grease ZG-2 / 轴承润滑脂牌号 ZG-2          -(3)integral tecnical description / 整机技术性能          power: 15kw / 功率 15kW          vane wheel speed 72.5/min / 叶轮转速 72.5r/min          vane wheel OD: Φ1000 / 叶轮直径 Φ1000          weight 650kg / 质量 650kg          dimission:(length x width x height) 1310 x 660 x 670 mm / 外形尺寸 (长×          宽×高) 1310×660×670mm</p>	WHNJ-15	set	14	China 中国
5,7	<b>Low Pressure Mud Gun : 0.5MPa / 低压泥浆枪: 0.5MPa</b>		group	1	China 中国
5,8	<p><b>Mud Testing Lab / 泥浆测试房</b></p> <p>-cw: hydrostatic balance,Marshfunnel viscosimeter. /          配有比重称, 马式漏斗和念度计</p>		set	1	China 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
5.9	<b>Sand pump / 砂泵</b> -discharg capacity: 220~350m3/h / 排量: 220~350m3/h -delivery lift 25~45m / 扬程: 25~45m -rotate speed 1480r/min / 转速: 1480r/min -efficiency: 65% / 效率: 65% -suction inlet OD φ200 (8" ) / 吸入口直径: φ200 (8" ) -discharging outlet OD: φ150 (6" ) / 出口直径: φ150 (6" ) -motor power: 75kW / 电机功率: 75kW	150NSP-I	ea	4	China 中国
5.10	<b>Shear pump / 剪切泵</b> -rated power 55kW; rated speed 1480r/min; rated voltage: 380v: / 额定功率: 55kW; 额定转速: 1480r/min; 额定电压: 380V; -cross type 6" × 8" ; pump delivery capacity : 240m3/h / 接口形式: 6" ×8" ; 泵排量: 240m3/h;		ea	1	China 中国
5.11	<b>Metering pump / 计量泵</b> -flow rate 80m3/h / 流量: 80 m3/h -delivery lift 23m / 扬程: 23m -rotate speed :1460 / 转速: 1460 rpm -efficiency: 61% / 效率: 61% -net positive suction head 2.8m / 汽蚀余量: 2.8m -power 11kW / 功率: 11 kW	SB3*4" J-9-1/2"	ea	2	China 中国
5.12	<b>Catch tank for cuttings / 泥浆岩屑收集罐</b> Approx. 8'W x 18'L x 5'H. (5486.4×2438.4×1524mm) 大概尺寸: 8'W x 18'L x 5'H. (5486.4×2438.4×1524mm)		set	1	China 中国
5.13	<b>PIPING, VALVES / 管线和阀</b>		group	1	China 中国
5.14	<b>ONE (1) LOT PAINTING / 油漆</b> -INTERNATIONAL / 国际牌油漆 -Zinc Riched Epoxy(base)-Polyurethane(top) offshore series endure coating, film thickness ≥250μm 环氧富锌(底)-聚氨酯(面)系列海洋耐久性漆, 膜厚 ≥250μm		lot	1	China 中国



Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
5.15	<p><b>FLO-CLEANER 2000 (3-PANEL) linear shale shakers / 三片式线性振动筛</b></p> <ul style="list-style-type: none"> <li>- powered by two super G motor which produce 7.0 Gs on the panel / 由两台超级G电机驱动，使面板产生7.0G的加速度；</li> <li>- more than 525 gpm capacity with 10,4 ppg mud over 210 mesh screens / 在210目筛布上处理10,4ppg泥浆时的处理量不少于525 gpm；</li> <li>- cw weir feeder with back tank / 带进料小泥浆池；</li> <li>- AWD ( adjustable while drilling) is operated by a hydraulic jack, enable one person to quickly and easily raise and lower the screen basket from -10--+50 / 当钻进时有液压千斤顶调节，一个人能够轻易快速从-10--+50 升高和降低 筛篮；</li> <li>- cw standard underflow sump capacity of 7 barrels / 带标准筛网底流槽。 double amplitude 5.00mm / 双振幅： 5.00 mm；</li> <li>-excitation frequency 24.22HZ / 激振频率： 24.22 HZ；</li> <li>-kicker index: 3.55 / 抛掷指数： 3.55；</li> <li>-kicker angle: 45 ° / 抛掷角： 45 °。</li> </ul>	FLO-CLEANER 2000 (3-PANEL)	set	3	DERRIK,USA 美国
5.16	<p><b>Mud Cleaner (FLO CLEANER 2000 (3 PANEL) WITH CONES) / 泥浆清洁器 (FLO 清洁器 2000 (3板式) 带 (锥体))</b></p> <ul style="list-style-type: none"> <li>-de-sander: in line manifold holds 2×10" cone, solids bigger than 40-60 microns removable / 在管线的管汇 上的除沙器有2×10" 锥体，除去40-60 微米的颗粒</li> <li>-de-silter: Round de-silter holds 20 cones and accepts 3" or 4" hydro-cyclone, solids bigger than 20-40 microns removable. / 除泥器，在除泥器周围有20个锥体 并接受3" - 4" 的水力旋流器，可除去20-40微米的颗粒。 -The 4" hydro-cyclone can be manufactured with a ceramic liner in the lower cone section for increase wear tolerance. / - 4" 的水力旋流器的下方锥体部分可以被制造成装有陶瓷衬里，以增加磨损耐度。</li> <li>-Cones contain separate ball valve that can be individually shut off during operation to allow for increased control over flow capacities and ease of maintenance / 锥体上含有 分开的球阀，球阀允许在操作时单独关闭各自锥体，以允许控制过流能力并易于检修。</li> </ul>	FLO CLEANER 2000 (3 PANEL) WITH CONES	set	1	DERRIK,USA 美国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
5.17	<p><b>Water Supply System / 供水系统</b>            -Supply and install pipe, hoses, valves, hammer unions and fittings to connect to water line from water pumps discharge to brake cooling system, mud tanks and rig floor, pumps, sub structure, for wash down. /            提供并安装硬管、胶管、阀门、锤击由壬和配件，连接自供水管线，自水泵排出口至刹车冷却系统、泥浆罐、钻台、水泵、钻台底座，用于冲洗            -Furnish and hook-up brake supply to drawworks auxiliary brake. /            辅助刹车冷却            -Furnish pipe, hoses, etc. For returning water from dawworks drum flanges and auxiliary brake to brake cooling system. / 配回水管线</p>		set	1	China 中国
5.18	<p><b>7.5 KW Mud Agitator / 7.5 KW 泥浆搅拌器</b>            (1) motor / 电机            type YB132M-4, (B3 type) / 型号 YB132M-4, (B3 型机座)            -rated ratate speed 1460r/min / 额定转速 1460r/min            -power source:380V, 60HZ / 电源 380V, 60HZ            power 7.5 kw / 功率 7.5KW            (2) reducer / 减速器            -center distance 150mm / 中心距 150mm            -gear ratio: 1:20 / 传动比 1:20            -gear lubrication 120" industrial gear oil(SY1172-80) / 齿轮润滑油牌号 120"工业齿轮油 (SY1172-80)            -lubrication oil refuel about 11L / 润滑油加注量约 11 升            -axle grease ZG-2 / 轴承润滑脂牌号 ZG-2            -(3)integral tecncal description / 整机技术性能            power: 7.5kw / 功率 7.5KW            vane wheel speed 72.5/min / 叶轮转速 72.5r/min            vane wheel OD: φ860 / 叶轮直径 φ860            weight 460kg / 质量 460kg            dimission:(length×width×height) 1080×520×630mm / 外形尺寸 (长×宽×高) 1080×520×630mm</p>	WHNJ-7.5	set	3	China 中国
6	<b>WATER &amp; FUEL TANKS 水罐和燃料油罐</b>				
6.1	<p><b>Water Tanks / 水罐</b>            -Two (2) Tanks 11' -6" wide x 40'long x 7' -6" high. Capacity 500            两个水罐，11' -6" 宽 ×40' 长 ×7' -6" 高，500桶的容积/每只；            BBLs each, 1000 BBLs total. Total capacity is 160m3. /            总容量1000桶等于60立方米</p>		set	2	China 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
6.2	<b>Fuel Tanks / 燃油罐</b> -Two (2) Tanks Double walled, total capacity is 100m3. / 双罐， 双墙板，总容量为100m3		set	2	China 中国
8	<b>INSTRUMENTATIONS / 仪表</b> -adopt domestic instrument: weight indicator, tong torque gauge, standpipe pressure gauge, RT speed & torque gauge, three pumps speed indicator, mud discharging flow rate indicator, 12 sets mud tank volume monitoring system 钻井仪表采用国产钻井仪表，具体有：指重表、吊钳扭矩表、 立管压力表、转盘转速和扭矩表，3套泵冲指示表、泥浆出口流 量计、12套泥浆罐体积监测系统。			1	
8.1	<b>Weight indicator system / 指重表系统</b> -Weight indicator system to indicate total hook load (outer dial)and bit weight (inner dial). / 指重表系统，用于指示全部的大钩载荷（外刻度）和 钻压 （内刻度）； -Weight indicator gauge receives a signal from hydraulic load cell mounted on Dead line anchor./ 指重表接受来自死绳固定器的液压载荷传感器的信号 System capacity 45,000KG single line load./ 系统的单绳载荷能力为45,000KG。		set	1	China 中国
8.2	<b>Electric rotary table torque meter / 电动转盘扭矩表</b> -electric rotary table torque meter to indicate amount of torque being applied to drill string./ 电动转盘扭矩表，用于显示施于钻柱上的扭矩。 -Meter receives signal from SCR / 扭矩表信号来自SCR		set	1	China 中国
8.3	<b>Mud pumps pressure indicator system / 泥浆泵压力指示系统</b> -Mud Pressure Indicating Systems to indicate mud pump pressure. / 泥浆泵压力指示系统用于指示泥浆泵的压力		set	1	China 中国
8.4	<b>Tong Torque Indicating System / 大钳扭矩指示系统</b> -Tong Torque Indicating System to indicate amount of line pull being applied to the drill pipe or drill collars. / 大钳扭矩指示系统用于指示钳绳施于钻杆或钻铤上的拉力		set	1	China 中国
8.5	<b>Tong Torque Meter to indicate amount of torque being applied to drill string.</b> / 大钳扭矩表用于指示施于钻具上的扭矩		set	1	China 中国
8.6	<b>RPM Meter to indicate rotary table revolution per minute. /</b> 钻速表用于转盘的每分钟转速		Pcs	1	China 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
8.7	<b>SPM Meters</b> to indicate mud pump strokes per minute. / 每分钟冲速表用于指示泥浆泵每分钟的冲数		Pcs	3	China 中国
8.8	<b>Pressure Gauges</b> , 0 - 5,000 psi capacity / 压力表 0 - 5,000 psi 压力范围	0 - 5,000 psi	Pcs	3	China 中国
8.9	<b>Console cabinet / 司钻控制台</b> -unitized and is constructed entirely of stainless steel (316SS). / 一体的并且前部由不锈钢建造 (316SS)。		set	1	China 中国
8.10	Complete set of Drilling Recorder to record but not limit to the following parameters in English Units: / 整套钻井记录仪, 用于记录但是不限于以下以英制为单位的参数 -Weight unit. / 重量单位 -Penetration unit, main string / 进尺速度,主钻柱 -RPM unit for use with Pump pressure unit 5,000 psi. / 泥浆泵压力 5,000PSI时所用转速 -(2) SPM units on one channel for use with proximity sensors. / (2) 只每分钟泵冲仪器, 在一个通路上, 用就近的传感器 -Electric rotary torque / 电转盘扭矩 -With 3 computers + 1 printer -有三个计算机 + 一台打印机		set	1	China 中国
8.10.1	Mud Watch Mud Monitoring System provides accurate information on critical drilling fluid parameters during drilling, tripping and other mud sensitive rig activities. / 泥浆观察泥浆监测系统提供钻井时钻井泥浆循环的精确数据、补给和其 它钻机动作中泥浆参数的传感				China 中国
8.10.2	Backlighted LCDs allow easy viewing of information even in the brightest light. Using the integral keypad, alarm points, alarm acknowledgement and display operation parameters, such as active pits and pumps, can easily be set or modified when drilling conditions or rig operations change.Mud Watch monitors mud tank volume and deviation, trip tank volume, return flow, mud pump SPM and rate from a variety of sensor input types (including voltage, current, and pulse). / 有背光的 液晶显示器 使得可以在最亮的光线下查看数据。使用整体化的键盘、警示点、警示 通知和显示操作参数, 例如在用泥浆罐和再用泥浆泵, 可以被容易的 设定或修改, 当钻井工况或钻机操作变化时。泥浆观察系统监视泥浆罐泥 浆的体积和变化、计量罐泥浆体积、回流泥浆、泥浆泵每分钟冲数和排 量来自一个变化的传感器输入形式 (包括电压、电流和脉冲)				China 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
8.10.3	<p>Signals are processed by the Mud Watch data acquisition unit, then transmitted through network to the displays. information can be interfaced to VIP for remote display archiving and printing. Mud Watch supplies user-definable channel and ability to activate audible alarms and drive chart recorders. /</p> <p>信号由泥浆观测数据捕获系统产生，然后，通过网络传至显示器，数据可被连接至重要人物，用于远距离显示存档和打印。泥浆观测提供用户特定的通道和能力以驱动听觉警报和驱动图标打印机。</p>				China 中国
9	<p>pipe bin / 钻杆运输盒</p> <p>-60 nos 5" drill pipe per each / 每盒装60个5"钻杆</p> <p>-105 nos 3-1/2" drill pipe per each / 每盒装105支 3-1/2"钻杆</p> <p>-Capacity 30T / 承载能力 30T</p> <p>Dimension 10600X2350X1500MM / 尺寸10600X2350X1500MM</p>		pcs	13	China 中国
10	<b>Pipe rack / 钻杆架</b>		set	10	China 中国
11	<p><b>Skid of tool / 工具撬</b></p> <p>-Consists of two parts. The hydraulic drill line reversing unit mounted on it, the another parts is for drilling and fishing tools. /</p> <p>有两部分构成。液压倒绳机安装在上面，另一部分安装钻井和打捞工具</p> <p>-Overall dimension: 10600X2350X1500MM / 尺寸 10600X2350X1500MM</p>		set	1	China 中国
12	<b>Well Site Circuit &amp; Communication System / 井场电路和通信系统</b>			1	

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
12 1	<p><b>Standard circuit on well site/ 井场标准电力线路</b>  ex-proof; rated voltage:380/220V(3phases, 4wires) /  防爆, 电压值为:380/220V(3相, 4线)  rated frequency: 60HZ consistent with API (RP 500B) / 频率: 60HZ 符合  API (RP 500B)  environment temperature: -30℃-50℃ and desert climate featuring  windiness,dustiness,and high humidity (up to 90% when it is 20℃); /  环境温度 -30℃-50℃ 沙漠气候特点风、沙和高湿度 (高至 90% 在  20℃)  aluminium made ex-proof control cabinet; / 铝制防爆控制盒  Type of connector plug: mallex / 插头形式: mallex  all cables are S-O type, heat proof and corrosion proof: / 所有的 电缆是S-O  型, 耐热耐蚀  complete grounding system; / 全部带接地 -circulation  tanks adopt head junction boxes demultiplexing,closing stater (15kw), all of  the motor(≥30kw) individual supplied, two point controll;all of the ex-proof  electrical equipments, starter box, control boxes, lights and joints &amp; swithes  shall be issued ex-proof licences by authorized institutions; cable adopt YCW  rubber BX cable; joints &amp; switches adopt Baoji Youtai oilfield products.The  shell of contactor (≥1)  in the ex-proof boxes completely connected to the ground.  Circuit breaker.contactor.thermal protector are all adopted</p>		set	1	China 中国

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
12.1	<p>Schneider products. Lighting system of the drilling floor area is assembled in a distribution box installed on the drilling floor. Lights adopt stainless daylight lamp, with halfer quick start daylight fluorescent tube, each light have two halfer tube. Ex-proof obstruction light (red/stroboflash): one(1) pc, 400w ex-proof projector: 12 pcs; mast ex-proof daylight lamp are all with anti-falling safty chain./</p> <p>循环罐采用罐头接线箱分路、罐面启动器（15KW）就近启动的方式所有大电机（30KW以上）均为单独供电，两地控制；所有防爆电器，启动箱，控制箱，灯具和插插件等须具有国家认可机构颁发的防爆许可证，合格证；电缆采用上海南洋电缆厂的YC W橡套软电缆；接插件均采用宝鸡友泰油田产品。防爆箱内接触器容量采用高于1级并且设备外壳可靠接地。断路器、接触器，热保护元件等采用施奈德产品。钻台区照明集中在一个配电箱中，此照明配电箱在钻台上。灯具采用不锈钢荧光灯，灯管采用单脚快速启动荧光灯管，每套灯具内设有两只单脚灯管。防爆障碍灯(红色/频闪)1只，400W防爆投光灯12只，井架防爆荧光灯全部带防坠落安全链。</p>		set	1	China 中国
12.2	<b>Communication System / 通信系统</b>			1	

Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
12.2.1	<p>One (1) unit Hp radio as follow specification / 一个 (1) 高功率无线电装置有以下特征</p> <ul style="list-style-type: none"> <li>- The unit should be 25 programmable canal / 1装置应有25 个节目频道</li> <li>- P : 125w In 2.3MHZ range / 功率范围: 125w in 2.3MHZ</li> <li>- Long wing antenna, power supply &amp; microphone / 天线、动力供应和麦克风</li> </ul> <p>Tow (2) set VHF-FM radio ass follow specification / 两套VHF-FM 无线电有以下功能</p> <ul style="list-style-type: none"> <li>- Out pout power : 25W / 输出功率 : 25W</li> <li>- 6 programmable channel / 6 节目频道</li> <li>- Frequency range : 136- 174MHZ / 频率范围 : 136- 174MHZ</li> <li>- Programmer kit / 节目包</li> <li>- Select mode / 选则模式</li> </ul> <p>With al equipment as follow / 有以下设备 Antenna, power supply, microphone&amp; hands free / 天线、动力供应麦克风 and 免提功能</p> <p>Fore (4) set hands radio as follow specification 6 programmable channel , select mode , frequency range 136-174 MHZ with all attachment equipment (buy-Hands free- battery- charger ); 四套手持式对讲机, 有以下功能, 6 节目频道, 选择模式, 频率范围 136-174 MHZ 有以下附件t (买免提、电池、充电器)。</p>		set	1	China 中国
12.2.2	<p>Satellite communication / 卫星通信</p> <ul style="list-style-type: none"> <li>-Iridium,one satellite antenna, well portability, speech sound:2.4kbps;data:9.6kbps;receiving message, speech sound to be clear Indium / 一个卫星天线, 便携式、说话声2.4 KBPS, 数据 9.6 KBPS, 接受信息, 说话声清晰</li> </ul>		set	1	China 中国
12.2.3	<p>Internal Telephone System: To be connected an UPS system.Number of stations:8electric cable : 2 km / 内部电话通信。接一个不间断电源系统, 8 个站, 2公里电缆。</p>		set	1	China 中国
13	<p><b>wooden mat suitable for substructure / 底座钢木基础</b></p> <ul style="list-style-type: none"> <li>-20 no wooden mat suitable for substructure /-20 个钻机底座钢木基础</li> <li>-19 nos 5000×2000×210mm / 19 个尺寸为 5000×2000×210mm 的钢木基础</li> <li>-1 nos 4000×2000×210mm for Kelly scabbard / 1个尺寸为4000×2000×210mm 为方钻杆管套用</li> </ul>		set	1	China 中国



Item 项目	Description 描述	Model 型号	Unit 单位	Qty 数量	Origin 原产地
14.8	<b>Steam Cleaner Machine / 蒸汽清洁机</b> Type: K1160T / 型号: K1160T Max. water temperature:140℃ / 最大水温 140℃ Water Flow:1160L/h / 水流量 1160L/h Maximum pressure:175 bar / 最大压力 175 bar oil consumption : 4.8L/h / 油消耗量 4.8L/h power:7.5kW / 功率: 7.5 KW	K1160T	set	1	China 中国
15	<b>Coating / 油漆</b> -accordance with America SSPC coating standard / 符合美国SSPC 油漆标准 -COATING - Inland Cold & Low Humidity Exposure Environment 油漆-陆地用, 寒冷和低湿度暴露环境 -Coating system for exterior of structures and mast. / 油漆范围: 结构件外表面和井架 -SURFACE PREPARATION: / 表面准备: Commercial blast SA2, SSPC-SP6 to provide a 1.5 to 3 mu Anchor profile. / 商业喷砂 SA2, SSPC-SP6 提供一个 1.5 to 3μ m 附着表面. -INTERNATIONAL / 国际牌油漆 -Zinc Riched Epoxy(base)-Polyurethane(top) offshore series endure coating, film thickness≥250μm / 环氧富锌 (底) - 聚氨酯 (面) 系列海洋耐久性漆, 膜厚 ≥250μm		set	1	China 中国