

RIG IDB 06

The RIG IDB 06 is a drilling rig
with operational history in Indonesia



Further information: +62 21 48 92 500 | www.indrillcobakti.com

The below information is intended for general reference only.
All equipment and specifications are subject to change at any time.

A. RIG EQUIPMENT

NO	EQUIPMENT	SPECIFICATIONS	QTY	REMARKS
1	Carrier & Drawworks	<p>COOPER LTO 550 Truck Mounted Carrier with 5 axles 550 HP Double Drum capable of drilling a 8-1/4" hole to a dept of 6000' with 4-1/2" drillpipe and setting 7", 29 ppf casing to that same depth</p> <p>Note: Single Drum is acceptable. However, if tendered, Contractor must also tender a separate sandline unit c/w appropriate sandline per Specifications in this document and proper sandline sheaves.</p> <ul style="list-style-type: none">Rated single line pull is 35,000 lbs minimumCrown block safety device provided	1	
2	Prime Mover	Cat-D-3408 DITA Engine c/w 24 cfm Air Compressor, 50 gpm Hydraulic Pump, radiators, heat exchangers for cooling torque converter oil, standard engine instruments, suction type fans, alternator charging system, spark arresting type muffler, safety alarm and engine kill switches. (Caterpillar)	1	
3	Hyd Winch or Air Winch	Air Winch / Air Hoist c/w Air compressor with pressure gauge 120 Psi INGERSOLL-RAND	1	
4	Sub-Structure	<p>Combined load of 450,000 lbs casing and setback capacity Standard type, 12' W x 15' L x 4' - 15'H adjustable w/ space for Class II & III BOPE stack rotating head, c/w Vee Door hand rails and stairs (WEM)</p> <p>Note 1 : Substructure be "in-line" design with relation to rig carrier in order to accommodate drilling new wells in close proximity to existing wells. "T-type" are not acceptable.</p> <p>Note 2 : 15.5 ft height of Substructure from ground level to rotary table and 13.5 ft from ground level to bottom of rotary beams</p> <p>Note 3 : Design Substructure allow the opening of BOP ram doors whenever ram changeout</p>	1	

NO	EQUIPMENT	SPECIFICATIONS	QTY	REMARKS
5	Loading Ram / Mud Boat	For Rig Carrier H : 3 Feet, W : 8,5 Feet L : 45 Feet (FABRICATED) Matched to rig carrier and substructure Note : The loading ramp/mud boat have secure connection integrity with the sub-structure to ensure substructure and mast stability.	1	
6	Rotary Table	Rotary Table with 22-1/2" opening. complete with : <ul style="list-style-type: none"> - 1 set solid & split master bushing - 1 set Bushing insert to fit all tubulars - Full range insert bowl for casing 13-3/8", 9-5/8", 7", 5-1/2", DP 4-1/2", DP 3-1/2", Tbg 2-7/8" - Kelly drive bushing 3.1/2" and 5.1/4" for Hexagonal Kelly - Muster Bushing - Rotating speed : 25 - 300 rpm - Rotary Torque indicator on drawworks transmission 	1	
7	Mast	Mast Model 110/250-3-7/2150 (double tubing, triple rods) <ul style="list-style-type: none"> - Four leg fixed base design allows fast positioning of rig before mast is raised, clear height is 110 ft below crown - Static Hook load capacity on 8 lines 250,000 lbs - Crossover crown with 36" fast line sheave plus four 24" - All Sheaves mounted on Timken double row bearing. - Racking platform capacity 22,200 ft of 2 7/8" EUE tubing - Two hydraulic rams for raising and two telescoping (COOPER) 	1	
8	Block/Hook	IDECO Traveling Block w/ unitized Hook, API load rating : 160 ton, sheave groove 1" or 1", number of sheave : 4 Link Elevators 72" and 96"	1 1	
9	Swivel	IDECO 125 ton API complete with goose neck & washpipe, connection to kelly 4-1/2" and 3.1/2" Kelly Hose 4" - 55 feet	1 1	
10	Air Package	Air cooled air compressor complete with a min 20 HP motor, min 200 gal receiving vessel and all necessary piping and controls. This system must have sufficient capacity to operate all air actuated components on the rig and must have two sources of power.	1	
11	Air Hoist	Hoist model EU - REM90637 c/w Winch line 5/8" Wire Rope "USHA MARTIN" 6 x 37 IWRC x 250 Ft Long (INGERSOLL-REND)	1	

NO	EQUIPMENT	SPECIFICATIONS	QTY	REMARKS
12	Drilling Line	1" - 3000 Ft Wire Rope 6 x 19 FW PFRL/IWRC c/w 1" Rope Socket (USHA MARTIN)	3,000 ft	
13	Sandline	9/16" x 6 x 7 PRF, FC. (USHA MARTIN)	7,000 ft	
14	Racks	3.5" x 3.5" x 28'.	As Req	
15	Catwalk and Pipeline	Catwalk Size : 44" x 52' x 36' (HOME MADE)	1	

B. MUD AND CIRCULATING EQUIPMENT

1	Mud Pump	Gardner-Denver Model F-1000 Triplex pump, 1,000 HP, 580 gpm @ 2700 psi, 130 RPM : Driven by 1,100 HP Diesel Engine complete with <ul style="list-style-type: none"> - High pressure pulsation dampener 5,000 psi - Pressure gauge 5,000 psi & pressure relief valve - Pressure & suction manifold - Discharge line 4" - 5000 psi - Centrifugal charging pump 5" x 6" driven explosion proof electric motor - Pump stroke counter - Suction line 8" - 10" + expansion joint - Vibrator hose and size of liner 5 ½", 6" and 6 ½" 	2	
2	Mud Pump Prime Mover	Cat D398 BPC Engine must be large enough to provide 1,000 HP to input shaft of mud pump through suitable transmission/torque converter. Belt driven or air clutch coupling is not acceptable Note : Both mud pumps and engines are to be identical. Failure to provide mud pump system that meet above specification is subject to bid disqualification. CATERPILLAR	2	
3	Mud Tank Active & Mud Tank Reserve	One (1) unit active tank, with total gross capacity of 200 bbls, with tank dimension of 8' W x 8' H x 36' L and one (1) unit reserve tank with gross capacity of 200 bbl with 3 compartment furnished with : <ul style="list-style-type: none"> - Walkways and folding hand rails - Clean out gate valves - Discharge ditch connection from tank to tank - cutting discharge chute 	1	

NO	EQUIPMENT	SPECIFICATIONS	QTY	REMARKS
		<ul style="list-style-type: none"> - Bottom gun & water fill outlet - Suction manifold to desander, desilter & mud cleaner pump. - Connection to supercharging pump suction - 4 unit mud agitators w/ 39" dia. Impeller, driven by 10 HP explosion proof motor - 3 mud mixing hoppers with 6"x8" centrifugal pump - Mud testing cabin for mud engineer - Pill tank, 50 bbl capacity at suction tank. - Dedicated 50 bbl Trip tank, calibrated in 1 bbl increment with level indicator observable from Driller's console 		
4	Shale Shaker	Two (2) unit liner motion shale shaker, FLC 313 Flowline cleaners or equivalent. Capacity 600 gpm each, with 80 - 160 mesh shaker screen driven with gasproof Elmotor Shale Shaker 5 HP w/ 1735 RPM (DERRICK or DFE)	2	
5	Desander	Desander, 12" Dual hydrocyclones, powered by 5" x 6" centrifugal pump to provide minimum 35 psi at 600 gpm, driven by explosion proof electric motor (Double Life)	1	
6	Desilter	10 x 5" Hydrocyclones, powered by 5" x 6" centrifugal pump to provide minimum 35 psi at 500 gpm, driven by explosion proof electric motor. (Double Life)	1	
7	Mixing System	Hopper mounted on the reserve pit skid c/w piping, valve manifold for suction and discharge to either compartment, c/w 4 x 6 centrifugal pump and 60 HP Electric Motor.	2	
8	Mud Agitator	<p>Per compartment except the sand trap and desilter tank with minimum 36" paddle. Must be complete with optimally sized (minimum 7.5) explosion proof motor.</p> <p>Note :</p> <ul style="list-style-type: none"> - Control boxes for motors must be housed in industry recognized explosion proof boxes. Non-certified drilling contractor fabricated boxes are not acceptable." - Mud motor should have backup on location (FOLKS) 	1 LOT	
9	Mud Gun	Bottom mud gun for each mud pit compartment except for sand trap. FMC	1 LOT	
10	Mud Manifold	Unitized 4", 3000psi for standpipe, kill line and fill line complete with sufficient valving to direct mud flow as needed.	1	

NO	EQUIPMENT	SPECIFICATIONS	QTY	REMARKS
11	Storage Tank	One (1) unit Storage tank with gross capacity of 200 bbl with 3 compartment, furnished with : <ul style="list-style-type: none"> - Walkways and folding hand rails - Clean out gate valves - Discharge ditch connection from tank to tank - cutting discharge chute - Bottom gun & water fill outlet - Connection to supercharging pump suction - 3 unit mud agitators w/ 39" dia. Impeller, driven by 10 HP explosion proof motor - 1 mud mixing hoppers with 6"x8" centrifugal pump 	1	
12	Water Tank	250 bbl capacity. Must be skid mounted c/w centrifugal transfer pump. (FABRICATED)	1	
13	Transfer Pump	Skid mounted and portable centrifugal pump with motor to transfer water at location, capable of 100 gpm c/w minimum	1	
14	Supply Water Pump	Skid mounted duplex pump, capable of 200 gpm c/w minimum 50HP diesel engine	1	Na
15	Mud Measuring Equipment	Mud balance; Marsh Funnel; Measuring Cup; Stop Watch (BAROID)	1	

C. DRILL STRING EQUIPMENT

1	Drill Pipe	5"- 19.50 or 4-1/2" -15.50 lbs/ft, R2 - grade E or G , premium DP with IF conn, internally plastic coated, soft banded tool joint c/w	4,000 ft	
		3-1/2" OD DP grade G, 13.3 ppf, IF conn R-2 c/w protector on pin/box and have valid Inspection certificate	4,000 ft	
		- Pup Joint 3.1/2" IF 3 feet, 5 feet and 10 feet	1	
		- Pup Joint 4.1/2" IF 3 feet, 5 feet and 10 feet	1	
		- Drilling Jar 6.1/4", 4.3/4"	1	
2	HWDP	3-1/2" Heavy weight drill pipe with IF Connection	5	
		4-1/2" Heavy weight drill pipe with IF Connection	6	
		Note : c/w thread protectors and have valid inspection Certificate		

NO	EQUIPMENT	SPECIFICATIONS	QTY	REMARKS
3	Drill Collar	<ul style="list-style-type: none"> - 6-1/4" spiral DC, 2-13/16" ID, R2, with 4-1/2" IF Box/ pin conn, bored back with stress relief groove - 7" Spiral DC, 2" ID, R2 with 4 1/2" IF Pin/Box Conn, bored back with stress relief groove - 4-3/4" DC, 2" ID, R2, with 3-1/2" IF box/ pin conn., bored back with stress relief groove. 	10	
		Bit sub : 7-5/8" reg box, x 4.1/2" IF Box 48" long bored for float	1	
		Bit sub : 6-5/8" reg box, x 4.1/2" IF Box 48" long bored for float	1	
		Bit sub : 6-5/8" reg box, x 6-5/8" reg Box 48" long bored for float	1	
		Bit sub : 4-1/2" reg box, x 4-1/2" IF box, 48" long bored for float	2	
		Bit sub 3-1/2" reg box x, 3-1/2" IF box, 48" long bored for float	1	
		Crossover subs : 6-5/8" reg pin x 4-1/2" IF box, 25" long	1	
		Crossover subs : 3-1/2" EUE box x 3-1/2" IF pin 25" long	1	
		Crossover subs : 3-1/2" EUE pin x 3-1/2" IF Box 25" long	1	
		Crossover subs : 4-1/2" IF box x 3-1/2" IF pin, 25" long	1	
4	Kelly	<ul style="list-style-type: none"> - One (1) each 5-1/4" Hex. kelly with 6-5/8" reg LH box x 4-1/2" XH pin connections c/w scabbard - One (1) each 3-1/2" Hex. kelly with 3-1/2" reg LH box x 3.1/2" IF pin connections c/w scabbard 	1	
			1	
5	Kelly Cock	One (1) each upper kelly cock with 6-5/8" reg LH connections, 10,000 psi	1	
		Lower Kelly Cook 4 1/2" IF pin/box , f/ 5 1/4" Kelly	1	
6	Misellaneous Subs	<ul style="list-style-type: none"> - Left-hand sub for 5-1/4" kelly. Specify length. - Left-hand sub for 3-1/2" kelly. Specify length. - Kelly saver sub for 5-1/4" kelly. Specify Length - Kelly saver sub for 3-1/2" kelly. Specify Length - Crossover for 5-1/4" kelly to 4-1/2" DP. - Tapered section Crossover for 4-1/2" DP to 6-1/4" or 7" DC's. Contractor must specify DC size when responding - Tapered section Crossover for 4-1/2" DP to 3-1/2" DP. Contractor must specify DC size when responding. - Lifting subs 3.1/2" IF - Lifting subs 4.1/2" IF - Casing Scrappier 7" , 9.5/8" 	1	
			1	
			1	
			1	
			1	
			1	
			2	
			2	
			6	
			6	
			1	

NO	EQUIPMENT	SPECIFICATIONS	QTY	REMARKS
7	Handling Tools	Hydraulic Power Tongs c/w torque gauge and line pull sensor mounted on and power unit for running 7", 9-5/8", and 13-3/8" tubulars.(BJ)	1 Set	
		Hydraulic or Pneumatic Drillpipe Spinner c/w variable jaws and rollers to handle 3-1/2" through 8" drill string componens. (VARCO)	1	
		manual rotary tongs for tubular 2-7/8" to 13-3/8". completed with tong line pull gauges installed on each the make-up and breakout snub lines and capable of applying required torque for largest DC.(WW)	1	
8	Handling Tools	Each size split bushings for 13-5/8", 9-5/8" and 7" casing.(BASHROSS)	1	
		Each size Rotary Slips for 2-7/8", 3.1/2" Tbg, 5" DP, 6-1/4" DC, or 7" DC, 7" casing, 9.5/8" & 13-3/8". (VARCO)	1 LOT	
		Each size of Elevator for 2-7/8", 3.1/2" tbg, 5" DP, 6-1/4" or 7" DC's, 7" casing, 9-5/8", & 13-3/8". (BJ)	1 LOT	
		Safety clamp for all DC sizes (BASHROSS)	1	
		For each size of Quick Disconnected casing protector for 7", 9-5/8" & 10.3/4" casing	1 LOT	
		Bit Breaker size 6.1/8", 8-1/2", 12.1/4" and 17.1/2".	1 LOT	
		Hyd Power tong tbg (BJ) c/w Jaw 2.7/8" and 3.1/2"	1	
9	Inside BOP	For 3-1/2" DP w/ 3.1/2" IF conn or 5" DP w/ 4-1/2"IF conn. c/w crossovers to match (TIW)	2	
10	Full Open Safety Valve	For 2.7/8" EUE tbg , 3.1/2" EUE tbg, 3.1/2" IF DP or 4.1/2" IF drillpipe - 3000 psi WP. Note : Must be forged No welds allowed. TIW	1	
11	Circulating Head	For 3-1/2" IF & 4.1/2" IF" drillpipe - 3000 psi WP. Note : Must be forged No welds allowed.	1	
12	Pump-in Sub	For 3.1/2" IF & 4.1/2" IF DRILLCO	1	
13	Circulating Swedge	- 7" BTC	1	
		- 9.5/8" BTC	1	
		- 13.3/8" BTC	1	

NO	EQUIPMENT	SPECIFICATIONS	QTY	REMARKS
14	String Stabilizer	<ul style="list-style-type: none"> - 6.1/8" String Stabilizer - 8 1/2" String Stabilizer - 12.1/4" String Stabilizer - 17.1/2" String Stabilizer 	1 1 1 1	NA
15	Near Bit Stabilizer	<ul style="list-style-type: none"> - 6.1/8" Near Bit Stabilizer - 8 1/2" Near Bit Stabilizer - 12.1/4" Near Bit Stabilizer - 17.1/2" Near Bit Stabilizer 	1 1 1 1	NA

D. BOP EQUIPMENT

1	Drilling Spool	Drilling spool 13-5/8" - 3M WP Flanged top & bottom c/w 4" out let - 3000 WP flange. Drilling spool 11" - 3M WP Flanged top & bottom c/w 3.1/8" out let - 3000 WP flange.	1 1	
2	Annular BOP	Hydrill GK 13-5/8" - 3M psi, flange bottom or equivalent Hydrill GK 11" - 3M psi, flange bottom or equivalent	1 1	
3	Ram BOP	13-5/8" x 3M WP double ram preventer, flange top/ bottom "Shaffer" 11" x 3M WP double ram preventer, flange top/ bottom "Shaffer"	1	
4	Pipe Ram	<ul style="list-style-type: none"> - each size Ram blocks for 2.7/8", 3.1/2", 5", 7", 9-5/8" and Blind Ram Block "Shaffer" - each size Pipe ram for 2.7/8", 3.1/2", 5", 7" and Blind Ram Block "Shaffer" 	1 1	
5	Choke and Kill Manifold	Choke and buffer manifold c/w <ul style="list-style-type: none"> - Gate valve 2 1/8" - 3000 Psi, Flange type - Chek valve 2 1/16 - 3000 psi - Gate valve 3 1/8" - 3000 psi - HCR vlv 3 1/16 - 3000 psi - Kill line consisting of :3000 psi high pressure steel flanges, flanges, chicksan hoses, gate and check valves (FMC) 	1 Unit	

NO	EQUIPMENT	SPECIFICATIONS	QTY	REMARKS
6	BOP Closing Unit	5 station accumulator unit, 3000 psi WP, with adequate capacity to operate supplied BOP & meet IADC requirement for closing / opening, complete with : 2 air driven pump w/ 50 : 1 ratio - 1 set 10 hp electrical motor driven triplex pump, c/w explosion proof automatic motor starter and automatic pressure switch - 1 set master remote control - 1 set remote control station with control hose to operate BOP stack and HCR valve KOOMEY	1	
7	Adapter Spools	- Double studed adapter (DSA) 11" 3M - 2M x 13-5/8" 3M - Double studed adapter (DSA) 11" 3M - 2M x 11" 3M	1 1	
8	Ring Gaskets	All flanges must be suitable for RX ring gaskets. New ring gaskets must be provided for every nipple-up on every well.	As req	
9	Rig Instrument	- Drillers console with sensor weight indicator, SPM, RPM, Rotary torque and pump pressure gauge. (Martin Decker) - Totco survey tool c/w 0-8° double record deviation.	1 1	
10	Depthometer	- Feet measurement w/ 9/16" sand line size c/w sure way sand Line guide	1	
11	Swab Unit	- Preferred to be integrated as double drum Drawwork or else one (1) single drum wire line winch with 4000 feet of 9.16" steel sand line driven by Diesel engine with 3 speed power take-off - Lubricator, Oil saver w/pump and pressure gauge, Rope Socket, Sinker Bars, Jars, Mandrel for 3.1/2" EUE tbg c/w Swab Cup 3.1/2".	1 UNIT	
12	Swab Head	- 3" OD Swab Head consist : 1 Ea Ball Valve 3"-3M, Gate Valve 3"-3M, Flow Line 2" with union coupling and 3" OD Landing Nepple	1 SET	

E. ELECTRICAL EQUIPMENT

1	Electric Power	Skid Mounted Engine Cat. D 3412 - 500 KVA ; 60 Hz, 1800 RPM : Cap 400 HP Generator sets, 500 KVA each, 50 - 60 hz, 3 phase, 480 VAC complete with Step down transformer to 220 or 110 volt for rig lighting and other utilities. CATERPILLAR	1
2	Lighting	Explosion-proof system with sufficient lighting for rig and drilling site. (RIG LITE)	1 LOT

F. SAFETY EQUIPMENT

1	Safety Equipment		
	- Climbing Harnesses c/w leg and shoulder straps manufactured to an international standard. Both must be in good condition and	1	
	- Fall prevention device manufactured to an international standard, matched to derrick. Counterweights are not acceptable. These device must be tested weekly and be repaired or replaced whenever necessary.	1	
	- Monkey boards belts	2	
	- Escape chair ½" line matched to escape chair and derrick height c/w escape pole that meets IADC standard.	1	
	- 9kg ABC type fire extinguisher	6	
	- 150# Dry powder type fire extinguisher	1	
	- 25# CO2 fire extinguishers	2	
	- 90# foam fire extinguishers	1	
	- Handy multi-gas detector c/w all standard accessories for detecting methane, H2S and CO2	2	
	- First Aid Kit c/w snake bite kit	1	
	- MSA certified safety goggles	5	
	- Stretcher	1	
	- Windsock	2	
	- 48" Bug Blower c/w electric cable sufficient to be placed anywhere in immediate rig area	2	
	- 30 min Self Contained Breathing Apparatus	2	
	- Burn pack	1	
	- Portable eyes wash	2	
	- Fire axe	1	
	- Fire Suits	5	
	- 5lb brass hammer	1	

NO	EQUIPMENT	SPECIFICATIONS	QTY	REMARKS
2	P.P.E. (per crew member)	<ul style="list-style-type: none"> - Approved safety hat - Ear protection - Safety shoes in good condition - Safety goggles (clear lens) - Work clothes - Hand gloves - MSA Safety glasses for eye protection 	1 1 1 1 1 1 1	
		Note : Replacement must be provided when original issue is not acceptable to COMPANY	(LOT)	

G. MISCELANEOUS EQUIPMENT

1	Fuel Tank	With sufficient capacity to Support 2 day rig and equipment operations (10,000 ltr minimum)	1	
2	Onsite Camp for Staff Personnel	Rig site porta-camp for Company and 3rd party office c/w toilet, running water, air conditioning and total 24 beds (exc. Contractor Crew)	As req	
3	Hand Tools	<ul style="list-style-type: none"> - IPS Mechanics tool sets - 1/2" Electric drill - Bench-mounted grinder - 3 ton snatch blocks - 50 ton hydraulic jacks - Pipe wrenches : 18"; 24"; 36"; 48" - Chain tongs : 36"; 48" - BOP wrenches 58" to 1.7/8" 	2 1 1 2 1 2 1 2	
4	Welding Set	400 amp c/w supply of rods and safety equipment	1	
5	Cutting Set	Oxygen-Acetylene c/w heat tip (rosebud) and safety equipment	1	
6	Other	All necessary tubes & racks and mouse hole & Rat hole scabbards Gas Saparator Portable Toilet	As req As req As req	
7	BOP Test Pump	3000 PSI WP Piston Pump c/w. Chart recorder to maximum pressure 3000 PSI and 96 minuts test - or time clock. 1 Pressure gauge 0-500	1	

NO	EQUIPMENT	SPECIFICATIONS	QTY	REMARKS
----	-----------	----------------	-----	---------

H. FISHING EQUIPMENT

1	Fishing Tool	- Tappered taps for contractor's pipe size : 2.7/8" - 4" Conn 4.1/2" IF Box 3.7/8" - 4.7/8" Conn 4.1/2" IF Box	1	NA
		- Over Shoot 7.5/8" OD Conn 3.1/2" IF Box	1	NA
		- Impression Block 8.1/2" OD Conn 6.5/8" Reg Pin	1	NA
		- Impression Block 9.5/8" OD Conn 6.5/8" Reg Pin	1	NA
		- Pishing Magnet 6.1/8" OD Conn 3.1/2" Reg Pin	1	NA
		- Pishing Magnet 8" OD Conn 4.1/2" Reg Pin	1	NA
		- Bumper Jar 4.3/4" OD Conn 3.1/2" Pin Box	1	NA
		- Junk Mill 6.1/8" OD Conn 3.1/2" Reg Pin	1	NA