

# RIG IDB 08

The RIG IDB 08 is a drilling rig with operational history in Indonesia



Further information: +62 21 48 92 500 | [www.indrillcobakti.com](http://www.indrillcobakti.com)

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

| NO | EQUIPMENT | SPECIFICATIONS | MANUFACTURE | QTY. |
|----|-----------|----------------|-------------|------|
|----|-----------|----------------|-------------|------|

## A. GENERAL

|   |                   |  |               |        |
|---|-------------------|--|---------------|--------|
| 1 | RIG.CARRIER C / W | RIG CARRIER XJ- 350 SN. 1180 C / W   | RG PETRO      | 1 UNIT |
|   |                   | <b>A . DRAWWORKS , DOUBLE DRUM TYPE</b>  |               |        |
|   |                   | - Tubing Drum Assy 42 - 12 Model:23898 Complete with ATD - 324 - H Air Friction Clutch ..          | RG PETRO      | 1 Ea   |
|   |                   | - Sand Line Drum Ass'y - 42 - 8 - Model A - 4522 ,Complete with ATD - 224 - H Air Friction Clutch. | RG PETRO      | 1 Ea   |
|   |                   | <b>B . Rig / Carrier Engine. Catterpillar Type C-15</b>  | CATERPILLAR   | 1 UNIT |
|   |                   | <b>C . Transmission Allison Model : OS 4700</b>  | ALLISON TRANS | 1 UNIT |
|   |                   | <b>D . AXLE DIFF. C / w</b>  |               |        |
|   |                   | Front Axel   | RG PETRO      |        |
|   |                   | 1 - DCB = 34-50-15 SN : 418026 X   |               | 1 Set  |
|   |                   | 2 - DCB = 34-50-16 SN : 418934 X   |               | 1 Set  |
|   |                   | Tire -Front Size - 18 x 22,5   |               | 4 EA   |
|   |                   | Forward Rear Axel  | RG PETRO      | 1 UNIT |
|   |                   | Type D. 44 A Ratio 7,20 SN: H-2900133  |               |        |
|   |                   | Rear Rear Axle   | RG PETRO      | 1 UNIT |
|   |                   | SN : H-2970288   |               |        |
|   |                   | Type : R 44 A Ratio 7.20   |               |        |
|   |                   | Tire Rear Axle Size - 11 X 20.00 " TIMBER KING "   | GOOD YEAR     | 12 EA  |
|   |                   | Tag Axle SN : OVO 44600-071  | RG PETRO      | 1 UNIT |
|   |                   | Model : A. 195-SN. LW 10 Standard Force  |               |        |

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|-----------|---|--|---------------|--------|
|           | <b>E . BAVEL GEAR / GEAR BOX</b>                    |  |               |        |
|           |   | -Bavel Gear Carrier Drive SN : 1224 -012<br>Model : A. 2025<br>C / W .Powershaft assembly . A- 3234                      | RG PETRO      | 1 Unit |
|           |   | - Bavel Gear Rotary Drive<br>Model : 24750 SN :1223 : 012<br>Ratio : 1. 475 :1<br>C/W - Wichita Clutch Assembly ATD- 18" | RG PETRO      | 1 Unit |
|           | <b>F . Stering Gear Box</b>                         |  | VIKERS        | 1 EA   |
|           |   | Model : 13680 SN : 503A 6104-101-80<br>Stering Pump : V- 20  | VIKERS        |        |
|           | <b>G . Hyd. Pump</b>                                | SN: B - 20 - 4554<br>Model : M - 37 x 978 BAFC. 2 - 7  | COM .SHEARING | 1 EA   |
|           | <b>H . PTO Hyd Pump</b>                             | SN: 80 FM-40 H<br>Model : 850 Series PN : 53868  | CHEALSEA      | 1 EA   |
|           | <b>I . Air Compressor</b>                           | " TUFLO - 1000 "   | BANDIX TUFLO  | 1 EA   |
|           | <b>J . Cat Line Winch/ Rig Hoist</b>                | SN : 8012033<br>Model : PD: 12 A. 36064 -61 c / w Winch line 5/8" Wire<br>rope " Blue Strand" 6 x 37 IWRC. X 250 Ft long | BRADEN WINCH  | 1 EA   |
|           | <b>K . Hydraumatic Brake</b>                        | SN : 54923<br>Model : 22 - SR- P/N : D. 631759 X   | PERMAC        | 1 EA   |
|           | <b>L . Drive Line - Drop Box to Carrier Bearing</b> |  |               |        |
|           |   | - Model : 8 PN : 27389. 51" L  |               | 1 Ea   |
|           |   | - Carrier Bearing to Drive Axle PN: 29607 38 1/2" L  |               | 1 Ea   |
|           |   | - Inter Axle PN : 28880 - 22 1/2" L  |               | 1 Ea   |
|           |   | - Transmission to Bavel Gear Box PN:27382-14 1/2" L  |               | 1 Ea   |
|           | <b>M . LEVELLING JACK SCREW</b>                     |  | RG PETRO      | 4 Ea   |
| <b>02</b> | <b>LOADING RAM</b>                                  | 3.15 H X 7.71 W X 40.45 L Match to Rig<br>Carrier  | HOME MADE     | 1 Ea   |

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|---|---------------|---|-------------|----------------------|
| 03  | MAST          | Derrick Mast : RG PETRO<br>Model : 104-250<br>SN. 1180  | RG PETRO    | 1 UNIT               |
|   |               | A Scoping Ram Cylinder SN : 1 NP 1668-10-80   |             | 1 EA                 |
|   |               | B Raishing Ram Cylinder. LH - NP : 1742 - 11-80<br>RH - NP : 1741 - 11-80   |             | 1 Ea<br>1 Ea         |
|   |               | C Crown Block MC. KISSICK<br>1" Wire Line - 3 Ea -Working Sheave 24"<br>- 1 Ea - Dead Line Sheave 24"<br>- 1 Ea - Fast Line Sheave 30"<br>- 1 Ea - Sand Line Sheave 9/16" W. Line |             | 1 UNIT               |
|   |               | D Make Up Tong Cyl 3000 Psi - Bore Size :<br>- Dia Rod :<br>- Stroke  |             | 1 EA                 |
|   |               | E Brake Out Tong Cyl 3000 Psi - Bore Size :<br>- Dia. Rod<br>- Stroke   |             | 1 EA                 |
|   |               | F 4" Stand Pipe Manifold C / W :<br>- 4" - 3000 PSI Gate Valve Screw Type<br>- 2" - 3000 PSI Pressure Gauge 2" NPT Conn<br>- 2" - 3000 PSI Ball Valve Screw type                  |             | 1 ea<br>1 ea<br>1 ea |
| <b>B. ROTATING EQUIPMENT &amp; SUBSTRUCTURE</b> |               |   |             |                      |
| 04  | SUB STRUCTURE | 13' H x 10'W x15'L Sufficient space below<br>accommodate BOP stage and Rotating head<br>Model:Adjustable Hight for moving<br>C / W - Vee Door , Hand Reel & Stair                 | HOME MADE   | 1 Ea                 |
| 05  | CAT WALK      | Pipe Cat Walk Size :  | HOME MADE   | 1 Ea                 |
| 06  | ROTARY TABLE  | 17 1/2" opening,100 ton dead load capacity<br>Complete with Master Bushing  | RG          | 1 Ea                 |

| NO | EQUIPMENT         | SPECIFICATIONS   | MANUFACTURE | QTY.   |
|----|-------------------|--|-------------|--------|
| 07 | ROTARY HOSE       | 3 " ID minimum 6000 psi WP - 8000 Psi,55 ft -4" NPT Conn. C / w 4" - 6000 PSI Unio Coupling.                                 | MID WEST    | 1 Ea   |
| 08 | ROTARY SWIVEL     | 110 ton capacity,3 1/2" IF Box LH Conn .Type. SHORTY "   | RG PETRO    | 1 EA   |
| 09 | ROTARY CHAIN CASE | Rotary Chain Case<br>c/w 2 Ea 3" x 22" Shaft<br>4 Ea Flange brg F. 215<br>2 Ea Sprocket 20 Teeth<br>20' roller Chain 140 - 2 | HOME MADE   | 1 UNIT |
| 10 | KELLY             | 3 1/2" Hexagonal Type .37 Ft Working Space<br>6 5/8 Reg LH Box x 3 1/2 IF Pin  | BHASSROSS   | 1 Ea   |
| 11 | KELLY DRIVE       | 3 1/2" Hexagonal Kelly Drive Bushing Type IHRS   | BHASSROSS   | 1 Ea   |
| 12 | KELLY COOK        | Upper Kelly Cook 4 1/2" Reg.LH.Box 4 1/2" Reg LH Pin<br>1 Feet long c/w Kelly Valve Wrench                                   | OMSCO       | 1 Ea   |
|    |                   | - Lower Kelly Cook 3 1/2 IF Pin X 3 1/2 IF Box 2Feet L   | DRILLCO     | 1 EA   |
|    |                   | - Kelly Saver Sub c /w Safety Rubber protector -<br>3 1/2 IF Pin - Box Conn.   | OMSCO       | 1 Ea   |

### C. PUMP & CIRCULATING SYSTEM

|    |            |  |             |        |
|----|------------|--|-------------|--------|
| 13 | SLUSH PUMP | Slush Pump / Triplex Pump. Pump Stroke 7"<br>Liner 6 1/2" "EWCO WH_440 "<br>c/w. Charging Pump 5 x 6 R Merk.MCM 1 7/8" Shaft<br>NO : 2045 SN : 178 | EWCO        | 1 unit |
|    |            | - Pulsation Dampener OMSCO SN : 77602  | HARISBURG   | 1 EA   |
|    |            | - 2"-6000 Pressure Gauge 2" Conn. SN : 138403  |             | 1 EA   |
|    |            | - Press Release Valve OTECO 2"-3000 Psi  |             | 1 EA   |
|    |            | - 2"-3000 Psi Demco Gate Valve   |             | 1 EA   |
|    |            | - 3"-5000 Psi Gate Valve Screw Type  |             | 1 EA   |
|    |            | Prime Mover Slush Pump, Engine CAT. D.3408<br>SN : 67 u - 09781<br>Full Load RPM 1800. ARR No: 8N 6122   | CATERPILLAR | 1 UNIT |
|    |            | Alisson Transmissi. Part No. 23013539<br>SN : 3110083779   | ALISSON     | 1 EA   |

| NO | EQUIPMENT        | SPECIFICATIONS   | MANUFACTURE  | QTY.                            |
|----|------------------|--|--|---------------------------------|
|    |                  | Selector Valve Transmision c/w Air Control Valve & Air Hose F/Remote Control Speed From Drilling Console   |  | 1SET                            |
| 14 | DESANDER         | One 10"conesc/w manipold 300 Gpm capacity and cent.pump 1 7/8" 5x6R,c/w Elmot 50 HP  | HARRIBURG  | 1 unit                          |
| 15 | DESILTER         | 12- 4" conesc/w manipold 300 gpm cap.and cent pump 1 7/8" - 5 x6R , c/w Elmot 50 HP  | DOUBLE LIFE  | 1 unit                          |
| 16 | SHALE SHAKER     | Shale Sacker Linier Motion 500 GPM 60-75 PCF c/w<br>- Elmot 5 HP 1750 RPM<br>- Elmot 5 HP 1750 RPM<br>1 Ea, Hand Pump Ennerpack P-39-10000 Psi<br>2 Ea, Push Button 460/575 AB   | DOUBLE LIFE<br>EXPLOSION PROFF<br>EXPLOSION PROFF                            | 1UNIT                           |
| 17 | STORAGE TANK     | 250 Bbls capacity For Strorage Tank<br>- Elmot 50 HP 1750 RPM<br>- Centrifugal Pump 4 X 5R   | HOME MADE<br>ELECTRIC MOTOR<br>MISSION                                       | 1 unit                          |
| 18 | MIXING TANK      | Mixing Tank Three Compartement For Slug Mixing<br>250 Bbl Cap.<br>L = 30', W = 8,5 H = 6,2 c/w<br>- Butterfly Valve 6" F/Line Pipe<br>- Butterfly Valve 8" F/Line Pipe<br>- Ball Valve 2" F/Water Line   | HOME MADE  | 1 unit<br>10 Ea<br>3 Ea<br>1 Ea |
| 19 | CIRCULATING TANK | 250 bbls cap 4 compartement 100 bbls,100 bbls50 bbls heigt 8'  | HOME MADE  | 1 unit                          |
| 20 | MIXING PUMP      | - Centrifugal 1 7/8" Model DL. 5 x 6R Impeller Installed 10"<br>- Elmot 50 HP RPM 1775, 230/460V<br>- Elmot 50 HP RPM 1775, 230/460V<br>- Centrifugal 1 7/8" Model DL. 5 x 6R Impeller Installed 10"<br>- Centrifugal 1 7/8" Model DL. 5 x 6R Impeller Installed 10"<br>- Elmot 60 HP RPM 1775, 230/460V | MCM<br><br>MARATON<br>MARATON<br>MISSION<br><br>MISSION<br><br>ELECTRO MOTOR | 1 SET                           |
| 21 | AGITATOR I       | Instaled on the Mixing Tank<br>- Elmot 10 HP   | FALK<br>RELIANSE   | 1 Ea<br>1 Ea                    |
|    | AGITATOR II      | Instaled on the Mixing Tank<br>- Elmot 10 HP   | FALK<br>RELIANSE   |                                 |

| NO                           | EQUIPMENT                     | SPECIFICATIONS  | MANUFACTURE  | QTY.   |
|------------------------------|-------------------------------|---|--|--|
|                              | AGITATOR III                  | Instaled on the Mixing Tank<br>- Elmot 10 HP  | FALK<br>RELIANSE   |  |
|                              | AGITATOR IV                   | Instaled on the Mixing Tank<br>- Elmot 10 HP  | FALK<br>RELIANSE   |  |
| <b>D. HOISTING EQUIPMENT</b> |                               |   |  |  |
| 22                           | DRILLING LINE                 | 1" Drilling line 6 x 19 IWRC Blue Strand  | BLUE STRAND  | 1 rool<br>(1000 FT )   |
| 23                           | HYDRAULIC WINCH               | 5/8" Hydraulics Winch line  | HYSTER   | 1 ea   |
| 24                           | TRAVELLING BLOCK              | 110 Ton Capacity c/w Hook Load  | RG PETRO   | 1 ea   |
| 25                           | SUCKER ROD HOOK               | Spring type 40 ton capacity ,Model FH- 2C ,C/W Shakle   | TRICO NELSON   | 1 ea   |
| 26                           | LINK ELEVATOR                 | Matched to the Block, 99'Long 3" Body Link<br>4" Wide Eye   | BJ or VARCO  | 1 Set  |
| 27                           | ELEVATOR<br>TBG,DP,DC & LINER | Center latch 100 ton cap for handling 2 3/8"<br>Center latch 100 ton cap for handling 2 3/8"<br>Center latch 100 ton cap for handling 2 7/8"<br>Center latch 100 ton cap for handling 2 7/8"<br>Center latch 100 ton cap for handling 4 "Tbg.Up<br>Side Door 100 ton cap for handling 7" Liner<br>Center latch 150 ton cap for handling 4 1/2" DP<br>Center latch 100 ton cap for handling 6 5/8"<br>Center latch 100 ton cap for handling 6 5/8"<br>Center latch 100 ton cap for handling 3 1/2" DP<br>Center latch 100 ton cap for handling 3 1/2" NU<br>Center latch 100 ton cap for handling 4 1/2"Tbg.N.Up<br>Center latch 50 ton cap for handling 4 3/4" DC | KING OIL<br>KING OIL<br>WEB WILSON<br>WEB WILSON<br>BJ or VARCO<br>WEB WILSON<br>BJ or VARCO<br>BJ or VARCO<br>BJ or VARCO<br>BJ or VARCO<br>WEB WILSON<br>BJ or VARCO<br>BJ or VARCO<br>BJ or VARCO<br>BJ or VARCO<br>BJ or VARCO | 1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea |
| 28                           | ROD ELEVATOR                  | To Handle 3/4" - 7/8"<br>To Handle - 1 1/8"<br>To Handle -1"<br>To Handle -1"<br>To Handle - 3/4"<br>To Handle - 3/4"<br>To Handle -1"<br>To Handle 3/4" - 7/8"<br>To Handle 3/4" - 7/8"  | OIL COUNTRY<br>OIL COUNTRY<br>OIL COUNTRY<br>OIL COUNTRY<br>ABANON<br>ABANON<br>ABANON<br>ABANON<br>NELSON   | 1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea   |

| NO                                     | EQUIPMENT             | SPECIFICATIONS  | MANUFACTURE                                     | QTY.                         |
|--|-----------------------|---|---|------------------------------|
| 29                                     | WEIGHT INDICATOR      | Type AA 1.5 250.000Lbs, c/w Sensator,C.Clamp<br>C/W - Sensator<br>- C.Clamp<br>- Hand Pump  | M.DECKER  | 1 ea<br>1 ea<br>1 ea<br>1 ea |
| <b>E. TUBULAR GOOD &amp; EQUIPMENT</b> |                       |   |   |                              |
| 30                                     | MANUAL ROTARY TONG    | To handle 2 3/8" to 10 3/4" 35.000 ft lbs<br>BJ. Type - B<br>C/W - Jaw :- 2 Ea , 2 7/8" - 4 5/8"<br>- 2 Ea , 3 1/2" - 5 3/4"<br>- 2 Ea , 5 1/4" - 7 1/4"<br>- 2 Ea , 9" - 10 3/4"                     | WEB WILSON                                      | 1 set                        |
| 31                                     | POWER SUCKER ROD TONG | Complete Jaw / Iner ring for handle 1" PN : OC.27905<br>Complete Jaw / Iner ring for handle 1 1/8" PN:OC.32967  | OIL COUNTRY<br>OIL COUNTRY                      | 1 Ea<br>1 Ea                 |
| 32                                     | POWER TUBING TONG     | Complete Jaw / Iner ring for Handle 2 7/8" tubing PN : 45292 B-<br>Complete Jaw / Iner ring for Handle 3 1/2" tubing PN : 45292 C-<br>Complete Jaw / Iner ring for Handle 4 1/2" tubing PN : 45292 D- | BIRON JACKSON<br>BIRON JACKSON<br>BIRON JACKSON | 1 set<br>1 set<br>1 set      |
| 33                                     | TUBING SWIVEL         | 30 Ton Static load 90.000lbs Circulating<br>type : 32 GA-2 .SN.32GA1260   | ITS KING  | 1 Ea                         |
| 34                                     | DRILL PIPE            | 3 1/2" OD 13.3lb/ft-3 1/2" IF connection<br>1800 feet   | DRILLCO   | 60 jts                       |
| 35                                     | DRILL COLLAR          | 4 3/4" Drill Collar Slick Type<br>4 3/4" Drill Collar Spriral Type  | DRILLCO<br>DRILLCO                              | 5 Jts<br>5 Jts               |
| 36                                     | PUP JOINT             | Pup Joint 3 1/2 IF Pin - Box , 3' Long<br>Pup Joint 3 1/2 IF Pin - Box , 5' Long<br>Pup Joint 3 1/2 IF Pin - Box , 10' Long   | DRILLCO<br>DRILLCO<br>DRILLCO                   | 1 ea<br>1 ea<br>1 ea         |
| 37                                     | PIPE RACK             | Pipe Rack DP / DC Size 3 1/2' x 4' x 30' Long<br>Pipe Rack Suckerrod  | HOME MADE<br>HOME MADE                          | 2 ea<br>4 ea                 |
| 38                                     | PIPE BOX              | Size : L : 33 Feet. Wide : 5 Feet<br>Hight : 3 Feet   | HOME MADE                                       | 1 ea                         |





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G. BLOW OUT PREVENTER EQUIPMENT

|    |                   |   |          |                       |
|----|-------------------|---|----------|-----------------------|
| 46 | <b>DOUBLE RAM</b> | Double ram BOP 11" x 3000<br>- 1 Set, Blind Ram, 1 Set Pipe Ram 3 1/2" & 2 7/8"<br>- 2 Ea, Blind Flange 3 1/8"-3000 Psi | TOWNSEND | 1 ea<br>1 Set<br>2 Ea |
|----|-------------------|---|----------|-----------------------|

|    |                    |                                       |         |      |
|----|--------------------|---------------------------------------|---------|------|
| 47 | <b>ANNULAR BOP</b> | 11" x 3000Psi WP<br>Type : GK 10-3000 | HYDRILL | 1 ea |
|----|--------------------|---------------------------------------|---------|------|

|    |                     |   |       |   |
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| 48 | <b>CLOSING UNIT</b> | Accumulator Unit c/w :<br>- 2 Cyl Nitrogen Cap<br>- 2 Ea Manual Regulator<br>- 1 Ea Air Pump<br>- 1 Unit Triplex Pump FMC<br>- 3 Ea Pressure gauge<br>- Elmot 15 HP 1735 RPM 230/240V 60 Hz | KOMEY | 1 Unit<br>2 Cyl<br>2 Ea<br>1 Ea<br>1 Unit<br>3 Ea<br>1 Ea |
|----|---------------------|---|-------|---|

|    |                        |  |   |   |
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| 49 | <b>CHOKER MANIFOLD</b> | w/2000Psi Non Rising stem gate valves<br>adjustable choke c/w :<br>- 1 Ea Gate Valve 3 1/8" - 3000 Psi<br>- 5 Ea Gate Valve 2 1/8" - 3000 Psi<br>- 2 Ea Ball Valve 2" - 3000 psi<br>- 1 Ea Manual Chock Manifoold 2" - 3000 Psi ' WKM '<br>- 1 Ea Presure Gauge 0-5000 Psi 2" Conn<br><br>Kill Manifold Set C / W :<br>- Gate Valve 2 1/8" - 3000 PSI , Flange type R- 24<br>- Check Valve 2 1/8" - 3000 PSI, Flange Type - R - 24.<br>- Gate valve 3 1/8" - 3000 PSI , Flange Type - R - 31<br>- HCR Valve 3 1/16 - 5000 PSI, Flange Type - RX- 35<br>- Companion Flange 3 1/16" - 5000 PSI Flangr Type RX-35<br>- Companion Flange 2 1/8' - 3000 PSI,Screw Type R- 24<br>- DSAF 3"- 3000 x 3" 5000 PSI | CAMERON<br><br><br><br><br><br><br><br>CAMMERON<br><br>CAMMERON | 1 set<br><br>1 Ea<br>5 Ea<br>2 Ea<br>1 Ea<br>1 Ea |
|----|------------------------|--|---|---|

|    |                      |   |  |                      |
|----|----------------------|---|--|----------------------|
| 50 | <b>ADAPTER SPOOL</b> | 7"-960 x 11"-3000 Psi<br>7"-2000 x 11"-3000 Psi<br>9"-2000 x 11"-3000 Psi |  | 1 ea<br>1 ea<br>1 ea |
|----|----------------------|---|--|----------------------|

|  |                       |  |  |                              |
|--|-----------------------|--|--|------------------------------|
|  | <b>DRILLING SPOOL</b> | 11"-2000 x 11"-3000 Psi c/w :<br>- 2 Ea Out let Flange 3 1/8" - 3000 Psi<br>- 1 Ea Gate Valve 3 1/8" - 3000 Psi<br>- 1 Ea Blind Flange 3 1/8" - 3000 Psi |  | 1 ea<br>2 Ea<br>1 Ea<br>1 Ea |
|--|-----------------------|--|--|------------------------------|

| NO                   | EQUIPMENT       | SPECIFICATIONS   | MANUFACTURE   | QTY.  |
|----------------------|-----------------|--|---|---|
| <b>H. HAND TOOLS</b> |                 |  |   |   |
| 51                   | DERRICK TAPE    | Stainles Steel Derrick Type 100 FT Long  | LUFKIN  | 1 set   |
| 52                   | MECHANIC TOOLS  | To Handle 5/8" to 1 3/4" bolt For BOP<br>c/w -Hammer Wrench size ; 5/8" = 1 ea (SW-01)<br>Hammer Wrenc size : 3/4" = 1 ea (SW-02)<br>Hammer Wrenc size : 7/8" = 1 ea (SW-03)<br>Hammer Wrenc size : 1 " = 1 ea (SW-04)<br>Hammer Wrenc size :1 1/8"= 1 ea (SW-05)<br>Hammer Wrenc size : 1 1/4"= 1 ea (SW-06)<br>Hammer Wrenc size :1 3/8"= 1 ea (SW-07)<br>Hammer Wrenc size :1 1/2" = 1 ea (SW-08)<br>Hammer Wrenc size :1 5/8" = 1 ea (SW-09)<br>Hammer Wrenc size :1 3/4" = 1 ea (SW-10) | PETOL<br>PETOL<br>PETOL<br>PETOL<br>PETOL<br>PETOL<br>PETOL<br>PETOL<br>PETOL<br>PETOL<br>PETOL | 1 Ea<br>0<br>1 Ea<br>1 Ea<br>2 Ea<br>2 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea<br>1 Ea |
|                      |                 |  | <b>Total</b>  | <b>11 Ea</b>  |
| 53                   | SUCKEROD WRENCH | Suckerod Wrench Size 3/4" - 7/8"<br>Suckerod Wrench Size 1"<br>Suckerod Wrench Size 1 1/8"   | PETOL<br>PETOL<br>PETOL   | 2 Ea<br>1 Ea<br>1 Ea  |
| 54                   | CRESENT WRENCH  | Cresent Wrenc 10"<br>Cresent Wrenc 12"<br>Cresent Wrenc 15"  | WILLIAM   | 1 Ea<br>1 Ea<br>1 Ea  |
| 55                   | PIPE WRENCH     | Pipe Wrench 18"<br>Pipe Wrench 24"<br>Pipe Wrench 36"<br>Pipe Wrench 48"<br>Chain Tong 47"   | RIDGID<br>RIDGID<br>RIDGID<br>RIDGID<br>RIDGID  | 1 ea<br>1 ea<br>1 ea<br>1 ea<br>1 ea  |
| 56                   | HACK SAW        | 1 set Hack Saw c/w blades  | WILLIAM   | 1 ea  |
| 57                   | HAMMER          | 12 Lbs sledge hammer, 5 lbs brass hammer   |   | 2 ea  |
| 58                   | SHOVEL          | Shovel c/w Handle  |   | 2 ea  |
| 59                   | HOE             | Hoe c/w Handle   |   | 2 ea  |
| 60                   | HAND TOOLS      | Combination Wrench set 3/8" TO 1 1/4"  | WILLIAM   | 1 set   |

| NO | EQUIPMENT | SPECIFICATIONS | MANUFACTURE | QTY. |
|----|-----------|----------------|-------------|------|
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#### I. MUD SYSTEM

|    |                         |  |        |      |
|----|-------------------------|--|--------|------|
| 61 | Mud balance             |  | BAROID | 1 ea |
| 62 | Mud Cup.( Mars Funnel ) |  | BAROID | 1 Ea |
| 63 | Visco meter             |  | BAROID | 1 ea |
| 64 | Rheometer               |  | BAROID | 0    |

#### J. SAFETY & PROTECTIVE PERSONAL EQUIPMENT

|    |                     |   |           |        |
|----|---------------------|---|-----------|--------|
| 65 | Air Respirator      | Organic Vappor Respirator                                 | MSA       | 1EA    |
| 66 | Axes                | Axes complete with handle                                 |           | 1EA    |
| 67 | Bug Blower          | 48" portable portable type c/w 5Hp Electric Motor         | HOME MADE | 1 Ea   |
| 68 | Burn Pack           |   | MSA       | 1EA    |
| 69 | Climbing belt       | Climbing Belt Type.                                       | LEWIS     | 1EA    |
| 70 | Derrick Escape      | 1/2" Escape line matching to escape chair                 | GERONIMO  | 1 Ea   |
| 71 | Derrick Safety belt | Derrick Safety Belt Type :                                | LEWIS     | 1EA    |
| 72 | Ear Muff            |   |           | 6 Ea   |
| 73 | Ear Protector       |   | MSA       | 32EA   |
| 74 | Eye Wash            | Portable type min 15 min Flushing capacity 16 Gln         | MSA       | 1 unit |
| 75 | Faliing Device      | Matching to height of MAST                                | LEWIS     | 1 ea   |
| 76 | Fire exstinguiszer  | Multi Porpose " DRY CHEMICAL " Cap . 9 kg                 | CHUBB     | 4EA    |
| 77 | Fire exstinguiszer  | Multi Porpose " DRY CHEMICAL " Cap . 150 LBS              | YAMATO    | 1EA    |
| 78 | Fire Suit           | Fire Resisitance 2000 F                                   | MSA       | 1EA    |
| 79 | First aid kit       |   | MSA       | 1 lot  |
| 80 | H2S detector        | Portable type scale range 0-2000 ppm digital Sound Alarm. | MSA       | 1EA    |
| 81 | Hand gloves         |   |           |        |
| 82 | Jacket              |   | HOME MADE | 32EA   |
| 83 | Portable toilet     | Portacble toilet Vibber Glass c/w Safety Tank             | HOME MADE | 1EA    |
| 84 | Rain Coat           | Yellow Collour Raint Coat.                                |           |        |
| 85 | Safety Gogles       | Palstic Safety Gogles                                     | MSA       | 32EA   |
| 86 | Safety Hat          | Single Had Type c/w Headger                               | PROTECTOR | 32EA   |
| 87 | Safety shoes        | Safety Shoes 'UNICORN ' Type :                            | UNICORN   | 32EA   |
| 88 | SCBA                | Duration 30 minutes                                       | MSA       | 1EA    |
| 89 | Stretcher           |   | MSA       | 1 ea   |
| 90 | Wind Shock          | Wind Sock " Orange Collour "                              | HOME MADE | 1 ea   |
| 91 | Work Clotch         |   | HOME MADE | 1EA    |

#### K. GENERAL SUPPLIES

|    |         |   |      |      |
|----|---------|---|------|------|
| 93 | Hose    | Hyd.Hose HP.2" - 3000 PSI WP. 55 Ft long C/W U.Coupling | GATT | 1EA  |
| 94 | Chiksan | 2" - 3000 WP Chicsan Swivel Type.                       | FMC  | 5SET |

| NO  | EQUIPMENT           | SPECIFICATIONS   | MANUFACTURE | QTY.             |
|-----|---------------------|--|-------------|------------------|
| 95  | Generator Set       | Cat 3408<br>Generator Set , KVA :<br>HP :<br>AMP :<br>Volt :   | CATERPILLAR | 1 unit<br>1 UNIT |
|     |                     | Prime Mover Genset CAT. 8 Cyl<br>SN : 67U 6845<br>ARR : 8N.3911<br>Full Lood RPM : 1500<br>Power : 335<br>High Idle RPM : 1545 | CATERPILAR  | 1 UNIT           |
| 96  | Welding Transformer | Type :<br>C/W Cable 10 - 70 25 Mtr Long<br>1 Ea Electroda Holder 500 A<br>PANEL BOX ELECTRIC                                   |             | 1 UNIT<br>1 SET  |
|     |                     |  |             |                  |
| 97  | Lighting            | Flourecent Lamp MAR - 800 . 2 x 60 Watt<br>Mercury Lamp 110 Volt. 400 Watt   |             | 20 Ea<br>4 EA    |
| 98  | Air Conditioner     | Type : Window  |             | 1 Ea             |
| 99  | Portacamp           | Company Camp   | HOME MADE   | 1 unit           |
| 100 | Camp facility       | Refectory, Prayer Room   | HOME MADE   | 1 unit           |