| | M.F.S. | | | | | | BINAK OILFIELD D | EVELOPN | ENT | | | | Doc. No. Rev. | P-1061-LIS-10 | ² |
|------|---------------------|---------------------------|---|--------|--------|------|------------------|---------|-----|-----|------------------|---------------------------|------------------|----------------------|--------------|
| | M.F.S. | | | | | | | | | | Job No. Sheet | P-1061-D 1 of 5 | | | |
| | | <u> </u> | | | | | | | | от | | | Sheet | 1015 | |
| | | | | | | | UTILITIES COM | NSUMPT | | 51 | | | | | |
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| | PROJECT: | BINAK (| OILFIEL | D DEVE | ELOPME | ENT | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | CLIENT: | NATION | NATIONAL IRANIAN SOUTH OILFIELDS COMPANY | | | | | | | | | | | | |
| | UNIT: | GAS DE | GAS DEHYDRATION & GLYCOL REGENERATION PACKAGE | | | | | | | | | | | | |
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| 2 | ISSUED FOR PROPOSAL | Feb 12th 22 | | | | | | | | | | | | | |
| 1 | ISSUED FOR PROPOSAL | Jun 16th 22 | | | | | | | | | | | | | |
| 0 | ISSUED FOR PROPOSAL | Dec, 13 ^{th,} 21 | GM | LM | CZ | | | | | | | | | | |
| rev. | description | date | Prd | Chk | Арр | rev. | description | date | Prd | Chk | Арр | | | | |



| | | | | | | | Doc. No. | P-1061-LIS-102 | | |
|------------|--|-------|-------------------|----------------------|--------------------|---|--|--|-----|--|
| | | | | BINAK C | ILFIELD DEVEL | OPMENT | Rev. | A | | |
| | M.F.S. | | | | | | Job No. | P-1061-D | | |
| | | | | GAS D | EHYDRATIO PA | CKAGE | Sheet | 2 of 2 | | |
| | | | | | UTILITIES C | CONSUMPTION LIST | | | | |
| | UTILITY | | | CONSUMPTION | | | | | | |
| | | | AVERAGE | PEAK | M.U | CONTINUOUS / DISCONT. | | NOTE | Rev | |
| 1 | Fuel gas to Burner | G | 8.5 | 10 | kg/h | Continuous | Peak consumption includes pilot burner start up. | | | |
| 2 | Instrument Air consumption for Valves | G 7 | | 14 | Nm3/hr | Peak consumption is discontinuous | Peak consumption considers on/off valves intervention. | | | |
| 3 | TEG consumption | L | 3 (1) | 5.5 (1) | kg/day | | Peak value is guaranteed | | | |
| 4 | TEG consumption (First filling) | L | | 5720 | kg | | | | А | |
| 5 | Stripping gas | G | 12 | 16 | kg/h | | | | А | |
| 6 | POWER 230V 1 Ph FOR UCP | | | 0.5(NORMAL) | KW | | | | В | |
| 7 | OWER 110V 1 Ph FOR UCP LINE A | | | 2(UPS) | KW | | UCP (UNIT CONTROL SYSTEM FOR PACKAGE BY CLIENT | | С | |
| 8 | POWER 110V 1 Ph FOR UCP LINE B | | | 2(UPS) | KW | | UCP (UNIT CONTROL SY | STEM FOR PACKAGE BY CLIENT) | С | |
| 9 | POWER 110V 1 Ph FOR PDP PANEL | | | 0.5(UPS) | KW | | UCP (UNIT CONTROL SY | STEM FOR PACKAGE BY CLIENT) | С | |
| 10 | POWER 230V 1 Ph FOR PDP PANEL & ELECTRICAL HEAT TRACING | | | 8(NORMAL) | KW | | | | С | |
| 11 | POWER 400V 3 Ph FOR ELECTROMOTOR (AC-100) | | | 55(NORMAL) | KW | | | r=1.15, Effect of Ambient =0.87 =39*1.15/0.87~55 | В | |
| 12 | POWER 400V 3 Ph FOR ELECTROMOTOR (P-100-A) | | | 2.2(NORMAL) | KW | | | or=1.25, Effect of Ambient =0.87 1.36*1.25/0.87~2.2 | В | |
| 13 | POWER 400V 3 Ph FOR ELECTROMOTOR (P-100-B) | | | 2.2(NORMAL) | KW | | | or=1.25, Effect of Ambient =0.87 1.36*1.25/0.87~2.2 | В | |
| | | | | | | | | | | |
| <u>N</u> (| otes (1) TEG consumption includes vaporization losses. | osses | and carry over lo | osses (in dry gas st | tream and still co | lumn overhead stream). Not considered leaka | ages, spillages or other accide | ntal | | |
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