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| **طرح نگهداشت و افزایش تولید 27 مخزن** | | | | | | |
| **UTILITY CONSUMPTION LIST**  **نگهداشت و افزایش تولید میدان نفتی بینک** | | | | | | |
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| V01 | FEB. 2025 | IFR | Havayar Co. | M.Fakharian | S. Faramarzpour |  |
| V00 | NOV. 2024 | IFR | Havayar Co. | M.Fakharian | M.Sadeighian |  |
| **Rev.** | **Date** | **Purpose of Issue/Status** | **Prepared by:** | **Checked by:** | **Approved by:** | **CLIENT Approval** |
|  | | | | | | |
| **Status:** | **IFA: Issued For Approval**  **IFR: Issued For Review**  **IFI: Issued For Information**  **AFC: Approved For Construction** | | | | | |

**REVISION RECORD SHEET**

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| **PAGE** | **V00** | **V01** | **V02** | **V03** | **V04** |  | **PAGE** | **V00** | **V01** | **V02** | **V03** | **V04** |
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| **2** | X | X |  |  |  | **67** |  |  |  |  |  |
| **3** | X |  |  |  |  | **68** |  |  |  |  |  |
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1. **INTRODUCTION**

Binak oilfield in Bushehr province is a part of the southern oilfields of Iran, is located 20 km northwest of Genaveh city.

With the aim of increasing production of oil from Binak oilfield, an EPC/EPD Project has been defined by NIOC/NISOC and awarded to Petro Iran Development Company (PEDCO). Also, PEDCO (as General Contractor) has assigned the EPC-packages of the Project to "Hirgan Energy - Design and Inspection" JV.

**GENERAL DEFINITION**

The following terms shall be used in this document.

|  |  |
| --- | --- |
| CLIENT: | National Iranian South Oilfields Company (NISOC) |
| PROJECT: | Binak Oilfield Development – General Facilities |
| EPD/EPC CONTRACTOR (GC): | Petro Iran Development Company (PEDCO) |
| OWNER: | OWNER is collectively refer to National Iranian South Oil Company (NISOC) and Petro Iran Development Company (PEDCO) |
| EPC CONTRACTOR: | Joint Venture of: Hirgan Energy – Design & Inspection(D&I) Companies |
| VENDOR: | Havayar Company |
| EXECUTOR: | Executor is the party which carries out all or part of construction and/or commissioning for the project. |
| THIRD PARTY INSPECTOR (TPI): | The firm appointed by EPD/EPC CONTRACTOR (GC) and approved by CLIENT (in writing) for the inspection of goods. |
| SHALL: | Is used where a provision is mandatory. |
| SHOULD: | Is used where a provision is advisory only. |
| WILL: | Is normally used in connection with the action by CLIENT rather than by an EPC/EPD CONTRACTOR, supplier or VENDOR. |
| MAY: | Is used where a provision is completely discretionary. |
|  |  |
|  |  |

1. **UTILITY CONSUMPTION List**

01

| **C-2101 A/B/C & C-2102 A/B/C** | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Item** | **Equipment Description** | **QTY. Per Operation Mode** | | | **Instrument Air**  **(For Capacity Control System)** | | **Purge Gas Nitrogen (Nm3/h)** | **Cooling Water** | |
| **C** | **I** | **S** | **Flow Rate (Nm3/h)** | **Pressure (barg)** | **Value**  **(ton/h)** | **Spec.** |
|  | Compressor Bare A | 1 |  |  | 6 | 4 ~ 8.5 | 6 | 15.3 | 50% water / 50% glycol |
|  | Compressor Bare B | 1 |  |  | 6 | 4 ~ 8.5 | 6 | 15.3 | 50% water / 50% glycol |
|  | Compressor Bare C |  |  | 1 | 6 | 4 ~ 8.5 | 6 | 15.3 | 50% water / 50% glycol |