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| **طرح نگهداشت و افزایش تولید 27 مخزن** | | | | | | | |
| **FINAL VENDOR DATA BOOK INDEX**  **نگهداشت و افزایش تولید میدان نفتی بینک** | | | | | | | |
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| V00 | Dec-2024 | IFI | IDR | M.Fakharian | S.Faramarzpour |  |
| **Rev.** | **Date** | **Purpose of Issue/Status** | **Prepared by:** | **Checked by:** | **Approved by:** | **CLIENT Approval** |
|  | | | | | | |
| **Status:** | **IFA: Issued For Approval**  **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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| **3** | X |  |  |  |  | **68** |  |  |  |  |  |
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| **5** | X |  |  |  |  | **70** |  |  |  |  |  |
| **6** | X |  |  |  |  | **71** |  |  |  |  |  |
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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 –Supply Storage Tank |
| 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: | iDrill Middle East (IDR) |
| EXECUTOR: | Executor is the party which carries out all or part of construction and/or commissioning for the project. |
| THIRD PARTY INSPECTOR (TPI): | Third Party Inspector |
| 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. |
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1. **DATA BOOK Index of Elevated Potable Water Tank (TK-2209)**

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| **ITEM** | **DOCUMENT TITLE** | **DOCUMENT NUMBER** | **REVISION** |
| 1. **GENERAL / MANAGEMENT** | | | |
| **1.1 LIST** | | | |
| 1-1-1 | VENDOR PRINT INDEX & SCHEDULE (VPIS) | BK-GCS-IDR-120-PM-LI-0001 |  |
| 1-1-2 | WORK BREAKDOWN STRUCTURE | BK-GCS-IDR-120-PM-WB-0001 |  |
| 1-1-3 | TIME SCHEDULE | BK-GCS-IDR-120GE-SH-0001 |  |
| 1-1-4 | FINAL VENDOR DATA BOOK INDEX | BK-GCS-IDR-120-GE-LI-0002 |  |
| 1-1-5 | SUB VENDOR LIST | BK-GCS-IDR-120-GE-VL-0001 |  |
| 1-1-6 | SPARE PART LIST | BK-GCS-IDR-120-GE-LI-0003 |  |
| **1.2 REPORTS** | | | |
| 1-2-1 | FINAL VENDOR DATA BOOK | BK-GCS-IDR-120-GE-DO-0001 |  |
| 1. **QA/QC** | | | |
| **2.1 PROCEDURE / PLAN** | | | |
| 2-1-1 | INSPECTION & TEST PLAN (ITP) | BK-GCS-IDR-120-QC-PR-0001 |  |
| 2-1-2 | FABRICATION PROCEDURE | BK-GCS-IDR-120-QC-PR-0002 |  |
| 2-1-3 | WPS & PQR | BK-GCS-IDR-120-QC-PR-0003 |  |
| 2-1-4 | NDT PROCEDURE | BK-GCS-IDR-120-QC-PR-0004 |  |
| 2-1-5 | WELDING REPAIR PROCEDURE | BK-GCS-IDR-120-QC-PR-0005 |  |
| 2-1-6 | VACUUM & OIL LEAK TEST PROCEDURE | BK-GCS-IDR-120-QC-PR-0006 |  |
| 2-1-7 | HYDROSTATIC TEST PROCEDURE | BK-GCS-IDR-120-QC-PR-0007 |  |
| 2-1-8 | BLASTING, PAINTING AND LINING PROCEDURE | BK-GCS-IDR-120-QC-PR-0008 |  |
| 1. **ELEVATED POTABLE WATER TANK(TK-2209)** | | | |
| **3-1** | **CALCULATION** | | |
| 3-1-1 | MECHANICAL CALCULATION BOOK FOR ELEVATED POTABLE WATER TANK (TK-2209) | BK-GCS-IDR-120-ME-CN-0001 |  |
| **3-2** | **DRAWING** | | |
| 3-2-1 | GENERAL ARRANGEMENT FOR ELEVATED POTABLE WATER TANK (TK-2209) | BK-GCS-IDR-120-ME-DW-0001 |  |
| 3-2-2 | DETAIL DRAWING FOR ELEVATED POTABLE WATER TANK (TK-2209) | BK-GCS-IDR-120-ME-DW-0002 |  |
| 3-2-3 | NAME PLATE DETAIL DRAWING FOR ELEVATED POTABLE WATER TANK(TK-2209) | BK-GCS-IDR-120-ME-DW-0003 |  |

1. **DATA BOOK Index of Lean Glycol Storage Tank (TK-2102)**

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| **ITEM** | **DOCUMENT TITLE** | **DOCUMENT NUMBER** | **REVISION** |
| 1. **GENERAL / MANAGEMENT** | | | |
| **1.1 LIST** | | | |
| 1-1-1 | VENDOR PRINT INDEX & SCHEDULE (VPIS) | BK-GCS-IDR-120-PM-LI-0001 |  |
| 1-1-2 | WORK BREAKDOWN STRUCTURE | BK-GCS-IDR-120-PM-WB-0001 |  |
| 1-1-3 | TIME SCHEDULE | BK-GCS-IDR-120GE-SH-0001 |  |
| 1-1-4 | FINAL VENDOR DATA BOOK INDEX | BK-GCS-IDR-120-GE-LI-0002 |  |
| 1-1-5 | SUB VENDOR LIST | BK-GCS-IDR-120-GE-VL-0001 |  |
| 1-1-6 | SPARE PART LIST | BK-GCS-IDR-120-GE-LI-0003 |  |
| **1.2 REPORTS** | | | |
| 1-2-1 | FINAL VENDOR DATA BOOK | BK-GCS-IDR-120-GE-DO-0001 |  |
| 1. **QA/QC** | | | |
| **2.1 PROCEDURE / PLAN** | | | |
| 2-1-1 | INSPECTION & TEST PLAN (ITP) | BK-GCS-IDR-120-QC-PR-0001 |  |
| 2-1-2 | FABRICATION PROCEDURE | BK-GCS-IDR-120-QC-PR-0002 |  |
| 2-1-3 | WPS & PQR | BK-GCS-IDR-120-QC-PR-0003 |  |
| 2-1-4 | NDT PROCEDURE | BK-GCS-IDR-120-QC-PR-0004 |  |
| 2-1-5 | WELDING REPAIR PROCEDURE | BK-GCS-IDR-120-QC-PR-0005 |  |
| 2-1-6 | VACUUM & OIL LEAK TEST PROCEDURE | BK-GCS-IDR-120-QC-PR-0006 |  |
| 2-1-7 | HYDROSTATIC TEST PROCEDURE | BK-GCS-IDR-120-QC-PR-0007 |  |
| 2-1-8 | BLASTING, PAINTING AND LINING PROCEDURE | BK-GCS-IDR-120-QC-PR-0008 |  |
| 1. **LEAN GLYCOL STORAGE TANK (TK-2102)** | | | |
| **3-1** | **CALCULATION** | | |
| 3-1-1 | MECHANICAL CALCULATION BOOK FOR LEAN GLYCOL STORAGE TANK (TK-2102) | BK-GCS-IDR-120-ME-CN-0002 |  |
| 3-1-2 | ROOF STRUCTURE CALCULATION FOR LEAN GLYCOL STORAGE TANK (TK-2102) | BK-GCS-IDR-120-ST-CN-0001 |  |
| **3-2** | **DRAWING** | | |
| 3-2-1 | GENERAL ARRANGEMENT FOR FLEAN GLYCOL STORAGE TANK (TK-2102) | BK-GCS-IDR-120-ME-DW-0004 |  |
| 3-2-2 | DETAIL DRAWING FOR LEAN GLYCOL STORAGE TANK (TK-2102) | BK-GCS-IDR-120-ME-DW-0005 |  |
| 3-2-3 | NAME PLATE DETAIL DRAWING FOR LEAN GLYCOL STORAGE TANK (TK-2102) | BK-GCS-IDR-120-ME-DW-0006 |  |

1. **DATA BOOK Index of Fire Water Tanks (TK-2301 A/B)**

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| **ITEM** | **DOCUMENT TITLE** | **DOCUMENT NUMBER** | **REVISION** |
| 1. **GENERAL / MANAGEMENT** | | | |
| **1.1 LIST** | | | |
| 1-1-1 | VENDOR PRINT INDEX & SCHEDULE (VPIS) | BK-GCS-IDR-120-PM-LI-0001 |  |
| 1-1-2 | WORK BREAKDOWN STRUCTURE | BK-GCS-IDR-120-PM-WB-0001 |  |
| 1-1-3 | TIME SCHEDULE | BK-GCS-IDR-120GE-SH-0001 |  |
| 1-1-4 | FINAL VENDOR DATA BOOK INDEX | BK-GCS-IDR-120-GE-LI-0002 |  |
| 1-1-5 | SUB VENDOR LIST | BK-GCS-IDR-120-GE-VL-0001 |  |
| 1-1-6 | SPARE PART LIST | BK-GCS-IDR-120-GE-LI-0003 |  |
| **1.2 REPORTS** | | | |
| 1-2-1 | FINAL VENDOR DATA BOOK | BK-GCS-IDR-120-GE-DO-0001 |  |
| 1. **QA/QC** | | | |
| **2.1 PROCEDURE / PLAN** | | | |
| 2-1-1 | INSPECTION & TEST PLAN (ITP) | BK-GCS-IDR-120-QC-PR-0001 |  |
| 2-1-2 | FABRICATION PROCEDURE | BK-GCS-IDR-120-QC-PR-0002 |  |
| 2-1-3 | WPS & PQR | BK-GCS-IDR-120-QC-PR-0003 |  |
| 2-1-4 | NDT PROCEDURE | BK-GCS-IDR-120-QC-PR-0004 |  |
| 2-1-5 | WELDING REPAIR PROCEDURE | BK-GCS-IDR-120-QC-PR-0005 |  |
| 2-1-6 | VACUUM & OIL LEAK TEST PROCEDURE | BK-GCS-IDR-120-QC-PR-0006 |  |
| 2-1-7 | HYDROSTATIC TEST PROCEDURE | BK-GCS-IDR-120-QC-PR-0007 |  |
| 2-1-8 | BLASTING, PAINTING AND LINING PROCEDURE | BK-GCS-IDR-120-QC-PR-0008 |  |
| 1. **FIRE WATER TANKS (TK-2301 A/B)** | | | |
| **3-1** | **CALCULATION** | | |
| 3-1-1 | MECHANICAL CALCULATION BOOK FOR FIRE WATER TANKS (TK-2301 A/B) | BK-GCS-IDR-120-ME-CN-0003 |  |
| 3-1-2 | ROOF STRUCTURE CALCULATION FOR FIRE WATER TANKS (TK-2301 A/B) | BK-GCS-IDR-120-ST-CN-0002 |  |
| **3-2** | **DRAWING** | | |
| 3-2-1 | GENERAL ARRANGEMENT FOR FIRE WATER TANKS (TK-2301 A/B) | BK-GCS-IDR-120-ME-DW-0007 |  |
| 3-2-2 | DETAIL DRAWINGS FOR FIRE WATER TANKS (TK-2301 A/B) | BK-GCS-IDR-120-ME-DW-0008 |  |
| 3-2-3 | NAME PLATE DETAIL DRAWING FOR FIRE WATER TANKS (TK-2301 A/B) | BK-GCS-IDR-120-ME-DW-0009 |  |