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| **طرح نگهداشت و افزایش تولید 27 مخزن** | | | | | | | |
| **SPECIFICATION FOR TRANSPORTATION, HANDLING, STORAGE OF PIPES**  **نگهداشت و افزایش تولید میدان نفتی بینک** | | | | | | | |
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| D03 | MAY. 2023 | AFD | M.Noori | M.Fakharian | A.M.Mohseni |  |
| D02 | OCT. 2022 | IFA | M.Noori | M.Fakharian | M.Mehrshad |  |
| D01 | FEB. 2022 | IFA | A.Khosravi | M.Fakharian | M.Mehrshad |  |
| D00 | DEC. 2021 | IFC | H.Shahrokhi | M.Fakharian | M.Mehrshad |  |
| **Rev.** | **Date** | **Purpose of Issue/Status** | **Prepared by:** | **Checked by:** | **Approved by:** | **CLIENT Approval** |
| **Class: 2** | | **CLIENT Doc. Number: F0Z-707132** | | | | |
| **Status:** | **IDC: Inter-Discipline Check**  **IFC: Issued For Comment**  **IFA: Issued For Approval**  **AFD: Approved For Design**  **AFC: Approved For Construction**  **AFP: Approved For Purchase**  **AFQ:** Approved For Quotation  **IFI: Issued For Information**  **AB-R: As-Built for CLIENT Review**  **AB-A: As-Built –Approved** | | | | | |

**REVISION RECORD SHEET**

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| **PAGE** | **D00** | **D01** | **D02** | **D03** | **D04** |  | **PAGE** | **D00** | **D01** | **D02** | **D03** | **D04** |
| **1** | X | X | X | X |  | **66** |  |  |  |  |  |
| **2** | X | X | X | X |  | **67** |  |  |  |  |  |
| **3** | X | 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) |
| EPC CONTRACTOR: | Joint Venture of : Hirgan Energy – Design & Inspection(D&I) Companies |
| VENDOR: | The firm or person who will fabricate the equipment or material. |
| 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. |
|  |  |

**GUIDANCE FOR USE OF THIS DOCUMENT**

The amendments/supplement to the related IPS Standard(s) given in this document is directly related to the equivalent sections or clauses in the IPS Standard(s). For clarity, the section and paragraph numbering of the IPS Standard(s) has been used as long as possible. Where clauses in IPS are referenced within this document, it shall mean those clauses are amended by this document. Clauses in” IPS” that are not amended by this document shall remain valid as written.

For ease of reference, the clause or section numbering of the related IPS Standard(s) has been used throughout this specification. For the purpose of this specification, the following definitions shall hold:

Sub. (Substitution): The IPS Std. Clause is deleted and replaced by a new clause.

Del. (Deletion): The IPS Std. Clause is deleted without any replacement.

Add. (Addition): A new clause with a new number is added.

Mod. (Modification): Part of the IPS Std. Clause is modified, and/or a new description and/or condition is added to that clause.

1. **Scope**

This specification gives amendment and supplement IPS-C-PI-140(1), "Construction standard for transportation pipeline (Onshore). This specification sets out requirements for the handling, transporting, stacking and storing and inventory control of Coated/uncoated line pipe and related equipment. It applies to all such activities from the time the pipe or related equipment is loaded at the inspection facility and unloaded at the Work site.

1. **NORMATIVE REFERENCES**

## Local Codes and Standards

|  |  |
| --- | --- |
| * + IPS-E-PM-400 | Engineering standard vendor’s data requirement |
| * + IPS-G-GN-210 | Packing & packages |
| * + IPS-C-PI-140 | Construction standard for transportation pipelines |
| * + IPS-M-PI-150 | Material standard for flanges and fittings |
| * + IPS-M-PI-190 | Material and equipment standard for line pipe |
| * + IPS-M-PI-110 | Material and equipment standard for valves |

## International Codes and Standards

|  |  |
| --- | --- |
| * + API PR-5LW | Transportation of line pipe on barges and marine vessels |
| * + AAR Section 1 | General Rules Governing Loading Of Commodities on Open Top Cars |
| * + AAR Section 2 | Rules Governing Loading Of Steel Product Including Pipe on Open Top Cars |

## The Project Documents

|  |  |
| --- | --- |
| * + BK-GNRAL-PEDCO-000-PM-CG-0001 | Procurement & Services Contracting Plan |
| * + BK-GNRAL-PEDCO-000-PI-SP-0009 | Specification For Manual Valves |
| * + BK-GNRAL-PEDCO-000-PI-SP-0005 | Specification For Fittings, Flanges, Gaskets and Bolts |
| * + BK-GNRAL-PEDCO-000-PL-SP-0004 | Specification for Barred Tee |
| * + BK-GNRAL-PEDCO-000-PL-SP-0003 | Specification For Pipeline Cold Bending |

## ENVIRONMENTAL DATA

Refer to "Process Basis of Design; Doc. No BK-GNRAL-PEDCO-000-PR-DB-0001".

1. **Order of Precedence**

In case of any conflict between the contents of this document or any discrepancy between this document and other project documents or reference standards, this issue must be reported to the CLIENT. The final decision in this situation will be made by CLIENT.

1. **AMENDMENTs TO IPS- IPS-C-PI-140**

**PART 1 MATERIAL HANDLING** (No amendments or supplements are to state)

**PART 2 RIGHT OF WAY** (DEL.)

**PART 3 DITCHING** (DEL.)

**PART 4 SUPPLY, STORING, HANDLING AND USE OF EXPLOSIVE MATERIALS**

(No amendments or supplements are to state)

**PART 5 STRINGING** (DEL.)

**PART 6 PREPARATION OF PIPES** (DEL.)

**PART 7 CHANGE OF DIRECTION** (DEL.)

**PART 8 WELDING AND LAYING OF PIPE** (DEL.)

**PART 9 CORROSION PROTECTION COATING FOR BURIED PIPELINES** (DEL.)

**PART 10 BACKFILLING** (DEL.)

**PART 11 CROSSINGS** (DEL.)

**PART 12 CASING INSTALLATIONS** (DEL.)

**PART 13 PREFABRICATED ASSEMBLIES** (DEL.)

**PART 14 PRESSURE TESTING** (DEL.)

**PART 15 CLEAN-UP OPERATION AND RESTORATION ACTIVITIES** (DEL.)

**PART 16 CATHODIC PROTECTION** (DEL.)

**PART 17 RECORDS AND AS-BUILT SURVEY** (DEL.)

**PART 18 ABOVE-GROUND PIPELINES** (DEL.)

**PART 19 DISTRIC OF GAS TRANSMISSION PIPELINES NORTHERN REGIONS OF IRAN** (DEL.)