

 NISOC	<p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض</p> <p>عمومی و مشترک</p>																									
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طرح نگهداشت و افزایش تولید ۲۷ مخزن

SPECIFICATION FOR TRANSPORTATION, HANDLING, STORAGE OF PIPES

نگهداشت و افزایش تولید میدان نفتی بینک



D02	OCT. 2022	IFA	M.Noori	M.Fakharian	M.Mehrshad	
D01	FEB. 2022	IFA	A.Khosravi	M.Fakharian	M.Mehrshad	
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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


 NISOC	<p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض</p> <p>عمومی و مشترک</p>							
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1.0 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

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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.

2.0 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.



3.0 NORMATIVE REFERENCES

3.1 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

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3.2 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

3.3 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

3.4 ENVIRONMENTAL DATA

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

4.0 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.

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5.0 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 DISTRICT OF GAS TRANSMISSION PIPELINES NORTHERN REGIONS OF IRAN (DEL.)