


 NISOC	<p>نگهداشت و افزایش تولید میدان نفتی بینک</p> <p>سطح الارض</p> <p>احداث خطوط انتقال گاز/مایعات گازی از ایستگاه تقویت فشار گاز</p> <p>بینک تا ایستگاه تزریق گاز سیاهمکان/واحد بهره برداری بینک</p>								
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	BK	PPL	PEDCO	320	PR	PH	0001	D03	

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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.

As a part of the Project, New Gas/Condensate Pipelines (from Binak New GCS to Siahmakan GIS/Binak PU) shall be constructed

GENERAL DEFINITION

The following terms shall be used in this document.

CLIENT:	National Iranian South Oilfields Company (NISOC)
PROJECT:	Binak Oilfield Development – Surface Facilities; Gas & Gas-Condensate Pipelines
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.

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2.0 SCOPE

The purpose of this document is to provide pipelines drainage philosophy for New Gas/Condensate Pipelines (from Binak New GCS to Siahmakan GIS/Binak Cluster).

This document shall be used as the standard reference for pipeline drainage philosophy. The standards used in this document were mainly derived from IPS (Iranian Petroleum Standards). The drainage philosophy described here are intended to serve as a guideline. In case of discrepancy between this document and IPS documents, IPS documents shall govern. Moreover, in some case, client (owner) may exclude requirement of this specification within some sub-project due to available (operating) drainage system.

3.0 NORMATIVE REFERENCES

3.1 LOCAL CODES AND STANDARDS

- IPS-E-PI-140 Engineering Standard for Onshore Transportation Pipelines
- IPS-C-PI-140 Construction Standard for Transportation Pipelines

3.2 INTERNATIONAL CODES AND STANDARDS



- ASME B 31.4 Pipelines Transportation Systems for Liquids and Slurries
- ASME B 31.8 Gas transmission and distribution piping systems

3.3 THE PROJECT DOCUMENTS

- Process Basis of Design: BK-GNRAL-PEDCO-000-PR-DB-0001
- Process Design Criteria BK-GNRAL-PEDCO-000-PR-DC-0001

3.4 ENVIRONMENTAL DATA

Refer to "Process Basis of Design; Doc. No. BK-00-HD-000-PR-DB-0001

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4.0 ADDENDUM/MODIFICATION TO IPS

This specification is based on the latest edition of IPS-E-PI-140 "Engineering Standard for Onshore Transportation Pipelines" without any modification.

According to the mentioned standard, vent and drain connections shall be provided for satisfactory testing, commissioning and operation.

4.1 GAS TRANSMISSION PIPELINE

Generally in order to cleaning and testing transferring pipeline, pig launching and receiving facilities are considered. Pig will launch from pig launcher located at BINAK new GCS (PL-3201) and will received in pig receiver located at SIAHMAKAN G.I (PR-3201).

After launching or receiving the pig, the remained liquid in the equipment will be discharge to close drain system.

4.2 OIL CONDENSATE TRANSMISSION PIPELINE

Condensate from BINAK, which is slug pumps outlet, with normal flow rate 10 m³/hr, will be transferred to BINAK Cluster via exist 4 inch pipeline with length 1.44 km.