



شماره صفحه : 1 از 5

FIRE & GAS DETECTION DESIGN CRITERIA

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادر کننده	بسته کاری	پروژه
D01	0002	DC	IN	320	PEDCO	PPL	BK

D01	MAY. 2022	AFD	P.Hsadeghi	M.Fakharian	M.Mehrshad	
D00	MAY. 2021	IFC	P.Hsadeghi	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue/Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

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

 <p>NISOC</p>	<p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث خطوط انتقال گاز/مایعات گازی از ایستگاه تقویت فشار گاز بینک تا ایستگاه تزریق گاز سیاهمکان/واحد بهره برداری بینک</p>																	
<p>شماره پیمان: 053 - 073 - 9184</p>	<p>FIRE & GAS DETECTION DESIGN CRITERIA</p> <table border="1"> <tr> <td>پروژه</td> <td>بسته کاری</td> <td>صادر کننده</td> <td>تسهیلات</td> <td>رشته</td> <td>نوع مدرک</td> <td>سریال</td> <td>نسخه</td> </tr> <tr> <td>BK</td> <td>PPL</td> <td>PEDCO</td> <td>320</td> <td>IN</td> <td>DC</td> <td>0002</td> <td>D01</td> </tr> </table>	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	PPL	PEDCO	320	IN	DC	0002	D01	<p>شماره صفحه: 2 از 5</p>
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REVISION RECORD SHEET

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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.

2.0 SCOPE

This document covers minimum necessary requirements for the design and selection,

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manufacture, inspection, testing and delivery of Fire and Gas devices related to New gas/condensate pipelines (From Binak new GCS to Siahmakan GIS/Binak PU).

3.0 PROJECT REQUIREMENTS

There is no new equipment for condensate pipe line but for gas pipe line new pig launcher in Binak Compressor Station and new pig receiver in existing Siahmakan GIS shall be added by contractor during this project.

Considering above required F&G devices/System for Binak pipe line work package will be as per the followings:

F&G requirements for condensate pipe line

N/A

F&G requirements for Gas pipe line

For pig launcher of new gas pipeline, F&G devices have been considered in Binak GCS so no other F&G devices are required.

With reference to "SITE VISIT REPORT (CIVIL WORK) - 8" & 4" PIPELINES Doc. No. BK-PPL-PEDCO-320-CV-RT-0001", For pig receiver of new gas pipe line, since receiver will be installed on Siahmakan GIS existing area, criteria of the existing site shall be respected.

For existing pig receivers installed in existing site , no F&G detectors has been considered, and if any detector added , source of the hazard will not be clearly specified since it could be generated by existing or new devices so sufficient action is impossible to be taken.

Considering above no detector or F&G devices is recommended or required to be considered for new gas pipeline in Siahmakan.