



نگهداشت و افزایش تولید میدان نفتی بینک
 فعالیت های روزمینی در بسته های کاری تحت الارض
 احداث خطوط انتقال گاز/مایعات گازی از ایستگاه تقویت فشار
 گاز بینک تا ایستگاه تزریق گاز سیاهمکان/واحد بهره برداری
 بینک



شماره پیمان:

053 - 073 - 9184

PMR FOR INSTRUMENT INSTALLATION ACCESSORIES

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادر کننده	بسته کاری	پروژه
D00	0014	MR	IN	320	PEDCO	PPL	BK

شماره صفحه : 1 از 16

طرح نگهداشت و افزایش تولید 27 مخزن

PMR FOR INSTRUMENT INSTALLATION ACCESSORIES

نگهداشت و افزایش تولید میدان نفتی بینک

D00	APR. 2024	IFI	P.Hajisadeghi	M.Fakharian	S.Faramarzpour	
Rev.	Date	Purpose of Issue/Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class: 3 CLIENT Doc. Number: F0Z-708690

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



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BK	PPL	PEDCO	320	IN	MR	0014	D00

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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)
PURCHASER:	Means the "Company" where this document is a part of direct purchaser order by the "Company", and the "Contractor" where this document is a part of contract document.
EPD/EPC CONTRACTOR (GC):	Petro Iran Development Company (PEDCO)
EPC CONTRACTOR/PURCHSER:	Joint Venture of: Hirgan Energy – Design & Inspection(D&I) Companies
VENDOR:	The firm or person who will fabricate the equipment or supply material.
SUB VENDOR:	The firm or person who will have a direct contract with the Vendor or another Subvendor to perform a part or parts of the Work
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 or VENDOR.
MAY:	Is used where a provision is completely discretionary.

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2.0 GENERAL

This document presents the item material requisitions for Contractor's use as appropriate.

This material requisition covers the requirements for the design, manufacturing, testing and supply of Bulk Item and Installation Accessories as listed in section 5. All equipment/devices/items shall conform to this requisition and all specifications which have been mentioned in attachment 1 of this material requisition.

3.0 REFERENCE / ATTACHED DOCUMENTS

- a. Specified documents in attachment 1 shall be considered as a part of this material Requisition.
- b. All codes and standards which have been referenced in above mentioned specs shall be considered.
- c. 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.
- d. Deviations

Any exceptions/clarifications to codes/standards and specifications listed in attachment 1 must be clearly stated in a separate dedicated section of the proposal in the format submitted in attachment 3.

The proposed deviations/comments list shall include as minimum:

- Reference for the involved specification, chapter and paragraph.
- Technical justification for the non-compliance.
- Detailed description of the proposed alternative.

If no exceptions or clarifications exist, either for the complete referenced document or an individual paragraph, VENDOR shall be considered to be in full compliance with the relevant document.

VENDOR may propose materials of equivalent or better quality compared to those indicated in the equipment data sheet. Even these cases shall be duly included/technically supported in the deviations/clarifications list.

4.0 SUBJECT OF THE SUPPLY

VENDOR shall supply Bulk Item and Installation Accessories. The scope of supply is detailed at part 5. VENDOR shall include in the supply, all other equipment/devices/items not listed in part 5, but necessary for a good design and a safe operation, taking into account process data and installation conditions such as area classification and climatic conditions.

The grade of shop assembly of the equipment/devices/items supplied shall be at maximum extent to facilitate site erection and pre-commissioning activities.

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5.0 LIMITS OF SUPPLY

5.1 SCOPE OF SUPPLY

5.1.1 MAIN DESCRIPTION

The scope of supply includes Bulk Item and Installation Accessories Main feature are as below:

- Special tools for erection, maintenance and normal operation.
- All other necessary components not called for here.
- Painting and coating

Detail of supply is listed below:

No.	Item	Description
1	Instrument Installation Accessories such as installation plates, bolts and nuts,...also all other accessories required for instrument installation at site	As per MTO for Bulk Item and Installation Accessories Doc. No.:” BK-PPL-PEDCO-320-IN-MT-0001”

VENDOR shall assume overall responsibility for the design, manufacture, assembly, test and performance of all equipment/devices/items supplied as indicated in this requisition. This shall include, but not be limited to:

- Resolve engineering issues relating to equipment/devices/items within the scope of supply.
- Provide detailed design and documentation of all equipment/devices/items and components within the scope of supply in accordance with attachment 2 of this document.
- Provide all necessary information documents in order to allow the contractor to erect, install and verify the proposed equipment/devices/items.
- Implement a quality assurance plan
- The quality plan applied to the scope of supply shall include:
 - QA/QC Organization Chart and procedures that shall be submitted for approval.
 - Plan for HOLD points in the production process proposed to CLIENT/EPC CONTRACTOR for witness or approval particular activities.
 - Production schedule indicating main quality manufacturing processes, inspection and tests.
 - Qualification of all personnel performing tests to be reviewed by the inspector
 - Vendor shall also provide the description of the following quality activities:
 - o Sub vendor products quality

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- Quality check and identification of the materials and equipment entering in their manufacturing shop.

- Calibration of test instruments and equipment
- Provide detailed specifications and data sheets.

5.1.2 SPARE PARTS

- The Vendor shall provide certain quantities of consumable for the installation, pre-commissioning, commissioning, start-up and up to the end of the guarantee period.
- The quantities shall be estimated by Vendor and shall be based upon the Vendor's experience. The following two periods shall be taken into account:
 - Pre-commissioning and commissioning period where the consumption of consumable is greater
 - Normal use of the System
- The VENDOR shall provide lists of recommended spare parts, which shall include the original part numbers with prices for commissioning, start-up and two years operation. All spare parts shall be identified individually.
- Spare parts for commissioning and start-up; a qualified and complete list based on PROJECT SPARE PART SUPPLY PROCEDURE (Doc. No. E&C-QC-SP-1).
- Spare parts for two years operation; a qualified and complete list based on PROJECT SPARE PART SUPPLY PROCEDURE (Doc. No. E&C-QC-SP-1).
- The VENDOR shall be able to provide spares back up and support for the plant life of at least 20 years.
- SPIR form shall be approved by CLIENT prior to procurement.

5.1.3 OTHER ITEMS

- Name plate

5.2 EXCLUSIONS

No exclusion is applicable.

5.3 BATTERY LIMITS

No battery limit is applicable.

6.0 INSPECTION AND TESTS

The equipment shall be inspected and tested in accordance with the Inspection & Test plan (ITP) issued by the vendor and approved by the CLIENT/EPC CONTRACTOR before the award of the

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order . The Inspection & Test plan (ITP) shall be at least according to the Commodity Procurement and Manufacturing Inspection Instruction (Docs .Nos. ICE-EID-MI-SP01-Rev01), Inspection Level of Commodity and Equipment (Docs .Nos. ICE-EID-MI-SP02-Rev01) and Data Sheets. The vendor shall in any case conduct all the tests required by contractual documents, specifications, codes and standards, manufacturer standard quality system and keep the relevant documentation. All required manufacturing and function test/inspection also Factory Acceptance Test /Site Acceptance Test and Quality Assurance requirements shall be considered in vendor responsibility as per project specification.

7.0 VENDOR DOCUMENTATION REQUIREMENTS & SCHEDULE

Vendor document shall be according to attachment 2 of this document.

All documents, preliminary or final, are to be stamped and signed by VENDOR.

Failure in dispatch of the required documents shall cause the supply to be considered as unfulfilled.

PURCHASER's approval does not relieve vendor, in any way, from his obligation to fulfill the requirements of the purchase order documents.

All vendor drawings and documents shall be in English language.

All drawings and documents are to be identified as per clause 1 **“GENERAL DEFINITION”**

8.0 UNIT RESPONSIBILITY

VENDOR shall be responsible for the design, engineering, co-ordination, supply, delivery, and testing, final check-out, training and satisfactory operation of the equipment/devices/items. The engineering coordination also includes responsibility for handing and expediting drawings.

Also VENDOR shall be responsible for ensuring that all relevant information and documentation is passed on the sub-vendors.

9.0 GUARANTEE AND WARRANTY

All material and Equipment/Devices/Items in VENDOR's scope of work/supply shall be guaranteed by VENDOR.

The guarantee period shall be eighteen (18) months from the date of delivery or twelve (12) months from the installation date of each equipment/packages at site

VENDOR shall guarantee the performance of supplied items.

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VENDOR shall guarantee that the Equipment/Device/Item is suitable for the operating conditions herein specified, and that all materials and components are free from any defects; verifications of all calculations are in VENDOR's responsibility.

VENDOR shall unconditionally guarantee the materials and workmanship of all material and/or services. If, within the guarantee period, any defects occur which are due to faulty material and/or services included in his scope (design, manufacturing, inspection, testing, supply & etc.), VENDOR shall, at his own expense, repair or adjust the condition, or replace the material and/or services to the complete satisfaction of CLIENT's representative. These repairs, replacement or adjustments shall be made only at such time as will be least detrimental to the operation of the CLIENT's business.

VENDOR warrants promptly repairing or replacing the defective parts in the warranty period.

Vendor shall ensure a correct and safe operation of the unit, providing all safety protection Devices.

Vendor shall be responsible for the safe, reliable, continuous functioning of the Equipment/Devices/Items.

VENDOR is fully responsible for the design of package for correct and safe operation based on project requirement during package life time; therefore, VENDOR shall specify any documents/specifications which may be required for design, manufacture and finalizing of Equipment/Devices/Items to avoid any problems during the package operation at site before P.O; otherwise, VENDOR shall be hold responsible for any corresponding deviation from expectations from the Equipment/Devices/Items.

10.0 DEVIATION

VENDOR's proposal shall be prepared in strict compliance with the requirements set forth in the relevant specifications of tender documents.

VENDOR shall include in his proposal the statement of compliance with the tender documents should VENDOR wish to submit exception to the requirements of tender documents. They shall be submitted for CLIENT/EPC CONTRACTOR's approval.

11.0 PRICE BREAKDOWN

Breakdown price of following items shall be included in the proposal, as well as total price.

- 1) Material and Fabrication for each Section Separately
- 2) Pre-commissioning & commissioning spare parts (E&C-QC-SP-1)
- 3) 2 years' operational spare parts (E&C-QC-SP-1)
- 4) Packing & transportation

	<p>نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های روزمینی در بسته های کاری تحت الارض احداث خطوط انتقال گاز/مایعات گازی از ایستگاه تقویت فشار گاز بینک تا ایستگاه تزریق گاز سیاهمکان/واحد بهره برداری بینک</p>								
	شماره پیمان: 053 - 073 - 9184	PMR FOR INSTRUMENT INSTALLATION ACCESSORIES							شماره صفحه : 10 از 16
	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	
	BK	PPL	PEDCO	320	IN	MR	0014	D00	

ATTACHMENT 1

11.1 LIST OF REFERENCE / APPLICABLE DOCUMENTS

No.	Document No.	Document Title	REV.
Instrument			
1.	BK-GNRAL-PEDCO-000-IN-SP-0001	Specification For Instrumentation	D04
2.	BK-PPL-PEDCO-320-IN-MT-0001	MTO for Bulk Item and Installation Accessories	D00
3.	BK-PPL-PEDCO-320-IN-DC-0001	Instrument & Control System Design Criteria	D01
4.	BK-PPL-PEDCO-320-IN-DW-0001	Typical Instrument Installation Drawing	D01
Process			
5.	BK-GNRAL-PEDCO-000-PR-DB-0001	Process Basis Of Design	D08
General			
6.	ICE-EID-MI-SP01-Rev01	دستورالعمل بازرسی خرید و ساخت کالا	D01
7.	ICE-EID-MI-SP02-Rev01	دستورالعمل سطح بازرسی کالا و تجهیزات	D01
8.	E&C-QC-SP-1	دستورالعمل تامین قطعات یدکی راه اندازی و راهبردی دوساله	D00
9.	BK-GNRAL-PEDCO-000-QC-PR-0022	Specification For Final Data Book (FDB) Requirements	D00
10.	BK-GNRAL-PEDCO-000-QC-PR-0045	Packing, Marking, Transportation Procedure	D00

****NOTE: THE LATEST REVISION OF PROJECT DOCUMENT IN ATTACHMENT 1 TO BE CONSIDERED AS REFERENCE BY VENDOR.**

	<p>نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های روزمینی در بسته های کاری تحت الارض احداث خطوط انتقال گاز/مایعات گازی از ایستگاه تقویت فشار گاز بینک تا ایستگاه تزریق گاز سیاهمکان/واحد بهره برداری بینک</p>								
	شماره پیمان: 053-073-9184	PMR FOR INSTRUMENT INSTALLATION ACCESSORIES							شماره صفحه : 11 از 16
	پروژه BK	بسته کاری PPL	صادرکننده PEDCO	تسهیلات 320	رشته IN	نوع مدرک MR	سریال 0014	نسخه D00	

ATTACHMENT 2

11.2 VENDOR DOCUMENTS MIN. REQUIREMENT

Item No.	Document	With Bid Copies No./Type (7)	TIME SCHEDULE			
			For Review		Final Issue	
			Copies No./Type (1)	Solar days (2)	Copies No./Type (1)	Calendar days (3)
MANAGEMENT						
01	Vendor Document Index and Schedule (See attachment 2)	4N	6C+E		6C+E	
02	Organization Brief	3N	6C+E			
03	Schedule Level 1, 2, 3 & 4 showing Engineering, Procurement, Fabrication, Inspection, Testing, and Delivery Plan.	4N	6C+E		6C+E	
04	Physically Progress Report (Every 2 Weeks))		6C+E			
05	Project Organization Chart	3N	6C+E			
06	Reference List	3N				
07	Vendor Catalogue	3N	6C+E			
QUALITY						
08	Quality Assurance Manual /Quality Management System Certificate (according to latest rev. of ISO)	4N			6C+E	
09	Preliminary Inspection and Test Plan	4N				
10	Inspection and Test Plan		6C+E		6C+E	
HSE						
11	HSE Procedure		6C+E		6C+E	
ENGINEERING						
12	Specifications/Data Sheets (Completed)	3N	6C+E		6C+E	
13	Dimensional Outlines	3N	6C+E		6C+E	
14	Mounting Details		6C+E		6C+E	
15	General Arrangement	3N	6C+E		6C+E	
16	Detailed Dimensions of Cut- Outs		6C+E		6C+E	

	نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های روزمینی در بسته های کاری تحت الارض احداث خطوط انتقال گاز/مایعات گازی از ایستگاه تقویت فشار گاز بینک تا ایستگاه تزریق گاز سیاهمکان/واحد بهره برداری بینک							
	PMR FOR INSTRUMENT INSTALLATION ACCESSORIES							
شماره پیمان:								شماره صفحه: 12 از 16
053 - 073 - 9184	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
	BK	PPL	PEDCO	320	IN	MR	0014	D00

Item No.	Document	With Bid	TIME SCHEDULE			
			For Review		Final Issue	
			Copies No./Type (7)	Copies No./Type (1)	Solar days (2)	Copies No./Type (1)
17	Termination details		6C+E		6C+E	
18	Parts/Material List	3N	6C+E		6C+E	
19	Technical Description and Relevant Catalogues	3N	6C+E		6C+E	
20	List of Deviations from the Specification and Data Sheets	3N	6C+E		6C+E	
PROCUREMENT						
21	List of Sub-Suppliers (table giving: part of equipment, tag no., sub-supplier reference)(5.1.3)	4N			6C+E	
22	Unpriced copy of sub-orders		6C+E			
23	Packing Spec. / Shipping Schedule	3N	6C+E		6C+E	
24	Weight List/ Shipping List	3N	6C+E		6C+E	
25	Mechanical & Performance Guarantees	3N	6C+E		6C+E	
TESTING						
26	Manufacturing, Test & Inspection Procedures	3N	6C+E		6C+E	
27	Performance & Functional Test Procedure		6C+E		6C+E	
28	Factory Acceptance Test (FAT) Procedure		6C+E		6C+E	
RECORDS, REPORTS & CERTIFICATES						
29	Material Conformity Certificate		6C+E		6C+E	
30	Testing Authority Approval Certificate		6C+E		6C+E	
31	Hazardous Area Certificates.		6C+E		6C+E	
32	Ingress Protection Certificate		6C+E		6C+E	
33	Conformity Certificates (sub-supplier/equipment)		6C+E		6C+E	
33	Material Certificates Identification Diagram. (cross-reference material location ; certificates for critical components)		6C+E		6C+E	

	<p>نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های روزمینی در بسته های کاری تحت الارض احداث خطوط انتقال گاز/مایعات گازی از ایستگاه تقویت فشار گاز بینک تا ایستگاه تزریق گاز سیاهمکان/واحد بهره برداری بینک</p>								
	<p>PMR FOR INSTRUMENT INSTALLATION ACCESSORIES</p>								
شماره پیمان: 053-073-9184	پروژه BK	بسته کاری PPL	صادر کننده PEDCO	تسهیلات 320	رشته IN	نوع مدرک MR	سریال 0014	نسخه D00	شماره صفحه: 13 از 16

Item No.	Document	With Bid	TIME SCHEDULE			
			For Review		Final Issue	
			Copies No./Type (7)	Copies No./Type (1)	Solar days (2)	Copies No./Type (1)
34	Dimensional Control Reports		6C+E		6C+E	
35	Hardness Test Reports		6C+E		6C+E	
36	FAT Test Report / Certificates		6C+E		6C+E	
37	Performance Test Report / Certificates		6C+E		6C+E	
38	Calibration Curves of Control Equipment		6C+E		6C+E	
39	Calibration Test Certificates		6C+E		6C+E	
40	Test & Inspection Reports		6C+E		6C+E	
41	Non-Conformities Report		6C+E		6C+E	
INSTALLATION						
42	Sub-Assembly Documentation		6C+E		6C+E	
43	Sub-Assembly Drawings		6C+E		6C+E	
44	Erection/Installation Manual		6C+E		6C+E	
45	Name Plate Documents		6C+E		6C+E	
46	Handling, Transportation & Storage Instructions		6C+E		6C+E	
47	Unpacking & Inspection Instructions		6C+E			
48	Preliminary Packing List	4N				
49	Packing List		6C+E		6C+E	
OPERATION & MAINTENANCE						
50	Operating Instructions		6C+E		6C+E	
51	Maintenance Instructions		6C+E		6C+E	
52	Commissioning & Start-up Manual		6C+E		6C+E	
53	List of Spare Parts Commissioning & Start-up	4N	6C+E		6C+E	
54	List of Spare Parts 2 Years Operation	4N	6C+E		6C+E	
55	List of Special Tools	4N	6C+E		6C+E	
56	Function Test Procedure		6C+E		6C+E	
OTHERS						

 <p>NISOC</p>	<p>نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های روزمینی در بسته های کاری تحت الارض 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>PMR FOR INSTRUMENT INSTALLATION ACCESSORIES</p> <table border="1"> <tr> <td>نسخه</td> <td>سریال</td> <td>نوع مدرک</td> <td>رشته</td> <td>تسهیلات</td> <td>صادرکننده</td> <td>بسته کاری</td> <td>پروژه</td> </tr> <tr> <td>D00</td> <td>0014</td> <td>MR</td> <td>IN</td> <td>320</td> <td>PEDCO</td> <td>PPL</td> <td>BK</td> </tr> </table>	نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه	D00	0014	MR	IN	320	PEDCO	PPL	BK	<p>شماره صفحه : 14 از 16</p>
نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه											
D00	0014	MR	IN	320	PEDCO	PPL	BK											

Item No.	Document	With Bid	TIME SCHEDULE				
			For Review		Final Issue		
			Copies No./Type (7)	Copies No./Type (1)	Solar days (2)	Copies No./Type (1)	Calendar days (3)
57	Vendor Final Book					6C+E	1 Week After Delivery
58	All others documents will be listed in the order		6C+E				

NOTES:

- (1) N= Number of document, C=Copy, E=Electronic Copy
- (2) Starting from date of order placement
- (3) Starting from reception of documentation without comments
- (4) First issue of the document is subjected to the release of payment milestone as per purchase order
- (5) Calendar days after reception of drive data
- (6) Prior to testing
- (7) One copy each bid copy
- (8) List of documents will be finalized in VDIS.

 <p>NISOC</p>	<p>نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض 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>PMR FOR INSTRUMENT INSTALLATION ACCESSORIES</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>MR</td> <td>0014</td> <td>D00</td> </tr> </table>	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	PPL	PEDCO	320	IN	MR	0014	D00	<p>شماره صفحه : 15 از 16</p>
پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه											
BK	PPL	PEDCO	320	IN	MR	0014	D00											

ATTACHMENT 3

11.3 DEVIATIONS / EXCEPTIONS TO JOB SPECIFICATION

Requisition No.:

Description:

Equipment No.:

Item No.	Description of Proposed Exception	Recommended Revision to JOB SPECIFICATION	Reason for Proposed Exception	Effect on Base PROPOSAL if CONTRACTOR Rejects Exception

 <p>NISOC</p>	<p>نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض 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>PMR FOR INSTRUMENT INSTALLATION ACCESSORIES</p> <table border="1"> <tr> <td>نسخه</td> <td>سریال</td> <td>نوع مدرک</td> <td>رشته</td> <td>تسهیلات</td> <td>صادرکننده</td> <td>بسته کاری</td> <td>پروژه</td> </tr> <tr> <td>D00</td> <td>0014</td> <td>MR</td> <td>IN</td> <td>320</td> <td>PEDCO</td> <td>PPL</td> <td>BK</td> </tr> </table>	نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه	D00	0014	MR	IN	320	PEDCO	PPL	BK	<p>شماره صفحه : 16 از 16</p>
نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه											
D00	0014	MR	IN	320	PEDCO	PPL	BK											

ATTACHMENT 4

11.4 ALTERNATIVES TO JOB SPECIFICATION

Requisition No.:

Description:

Equipment No.:

Item No.	Job Specification No. & Paragraph No.	Requirements of Job Specification	Description of Proposed Alternative	Reason for Proposed Alternative