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شماره پیمان:	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD	شماره صفحه: 1 از 18																
053 - 073 - 9184	<table><tr><td>پروژه</td><td>بسته کاری</td><td>صادرکننده</td><td>تسهیلات</td><td>رشته</td><td>نوع مدرک</td><td>سریال</td><td>نسخه</td></tr><tr><td>BK</td><td>W007S</td><td>PEDCO</td><td>110</td><td>IN</td><td>MR</td><td>0005</td><td>D05</td></tr></table>		پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	W007S	PEDCO	110	IN	MR	0005	D05
	پروژه		بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه									
BK	W007S	PEDCO	110	IN	MR	0005	D05											

طرح نگهداشت و افزایش تولید 27 مخزن

PMR FOR CONTROL VALVES – EXTENSION OF BINAK B/C MANIFOLD

نگهداشت و افزایش تولید میدان نفتی بینک

D05	JUN. 2023	FI	P.Hajisadeghi	M.Fakharian	A.M.Mohseni	
D04	JAN. 2023	IFI	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D03	DEC. 2022	IFI	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D02	OCT. 2022	IFI	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D01	JUN. 2022	IFI	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D00	MAR. 2022	IFI	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue/Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class: 3

CLIENT Doc. Number: F0Z-708111

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

	<p>نگهداشت و افزایش تولید میدان نفتی بینک</p> <p>فعالیت های رو زمینی در بسته های کاری تحت الارض</p> <p>ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی،</p> <p>تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه</p> <p>چندراهه کلاستر بینک</p>																	
<p>شماره پیمان:</p> <p>053 - 073 - 9184</p>	<p>PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD</p>	<p>شماره صفحه: 2 از 18</p>																
	<table border="1"> <tr> <td>پروژه</td> <td>بسته کاری</td> <td>صادرکننده</td> <td>تسهیلات</td> <td>رشته</td> <td>نوع مدرک</td> <td>سریال</td> <td>نسخه</td> </tr> <tr> <td>BK</td> <td>W007S</td> <td>PEDCO</td> <td>110</td> <td>IN</td> <td>MR</td> <td>0005</td> <td>D05</td> </tr> </table>	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	W007S	PEDCO	110	IN	MR	0005	D05	
پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه											
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REVISION RECORD SHEET

PAGE	D00	D01	D02	D03	D04	D05
1	X	X	X	X	X	X
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PAGE	D00	D01	D02	D03	D04	D05
66						
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 NISOC	<p>نگهداشت و افزایش تولید میدان نفتی بینک</p> <p>فعالیت های رو زمینی در بسته های کاری تحت الارض</p> <p>ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی،</p> <p>تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه</p> <p>چندراهه کلاستر بینک</p>																	
شماره پیمان:	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD	شماره صفحه: 3 از 18																
053 - 073 - 9184	<table><tr><td>پروژه</td><td>بسته کاری</td><td>صادرکننده</td><td>تسهیلات</td><td>رشته</td><td>نوع مدرک</td><td>سریال</td><td>نسخه</td></tr><tr><td>BK</td><td>W007S</td><td>PEDCO</td><td>110</td><td>IN</td><td>MR</td><td>0005</td><td>D05</td></tr></table>		پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	W007S	PEDCO	110	IN	MR	0005	D05
	پروژه		بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه									
BK	W007S	PEDCO	110	IN	MR	0005	D05											

CONTENTS

1.0	INTRODUCTION	4
2.0	GENERAL	5
3.0	REFERENCE / ATTACHED DOCUMENTS	5
4.0	SUBJECT OF THE SUPPLY	5
5.0	LIMITS OF SUPPLY	6
5.1	SCOPE OF SUPPLY	6
5.1.1	MAIN DESCRIPTION	6
5.1.2	SPARE PARTS	7
5.1.3	OTHER ITEMS	7
5.2	EXCLUSIONS	7
5.3	BATTERY LIMITS.....	7
6.0	INSPECTION AND TESTS.....	7
7.0	VENDOR DOCUMENTATION REQUIREMENTS & SCHEDULE	8
8.0	VENDOR RESPONSIBILITY	8
9.0	PRESERVATION, STORAGE AND SHIPMENT	9
10.0	GUARANTEE AND WARRANTY.....	9
11.0	DEVIATION.....	10
12.0	PRICE BREAKDOWN	10
	ATTACHMENT 1	11
12.1	LIST OF REFERENCE / APPLICABLE DOCUMENTS.....	11
	ATTACHMENT 2	12
12.2	VENDOR DOCUMENTS MIN. REQUIREMENT	12
	ATTACHMENT 3	18
12.3	DEVIATIONS / EXCEPTIONS TO JOB SPECIFICATION	18

 NISOC	<p>نگهداشت و افزایش تولید میدان نفتی بینک</p> <p>فعالیت های رو زمینی در بسته های کاری تحت الارض</p> <p>ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی،</p> <p>تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه</p> <p>چندراهه کلاستر بینک</p>																	
شماره پیمان:	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD	شماره صفحه: 4 از 18																
053 - 073 - 9184	<table><tr><td>پروژه</td><td>بسته کاری</td><td>صادرکننده</td><td>تسهیلات</td><td>رشته</td><td>نوع مدرک</td><td>سریال</td><td>نسخه</td></tr><tr><td>BK</td><td>W007S</td><td>PEDCO</td><td>110</td><td>IN</td><td>MR</td><td>0005</td><td>D05</td></tr></table>		پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	W007S	PEDCO	110	IN	MR	0005	D05
	پروژه		بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه									
BK	W007S	PEDCO	110	IN	MR	0005	D05											

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, construction of well location, access road, wellhead facilities (with electric power supply) for W007S shall be done. In addition, construction of new flowline from aforementioned well location to Binak B/C unit (with extension of relevant manifold) is in the Project scope of work.

GENERAL DEFINITION

The following terms shall be used in this document.

CLIENT:	National Iranian South Oilfields Company (NISOC)
PROJECT:	Binak Oilfield Development – Construction of Well Location, Wellhead Facilities, Electrification Facilities, Flowlines for W007S and Extension of Binak B/C Manifold
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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PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD																										
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BK	W007S	PEDCO	110	IN	MR	0005	D05																			

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 Control Valves as listed below. 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

- Specified documents in attachment 1 shall be considered as a part of this material Requisition.
- All codes and standards which have been referenced in above mentioned specs shall be considered.
- 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.
- 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, the supplier shall be considered to be in full compliance with the relevant document.

The supplier 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

The supplier shall supply all above Control Valves. The scope of supply is detailed at part 5. The supplier shall include in the supply, all other equipment/devices/items not listed in the following, 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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شماره پیمان: 053 - 073 - 9184	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD							شماره صفحه : 6 از 18	
	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال		نسخه
	BK	W007S	PEDCO	110	IN	MR	0005		D05

- The vendor's supply shall include:

No.	Item	Description	Total QTY.
1	FCV-1701A	Control Valves, Globe Type, Size based on attached data sheet #600	1
2	FCV-1701B	Control Valves, Globe Type, Size based on attached data sheet #600	1
3	FCV-1701C	Control Valves, Globe Type Size based on attached data sheet #600	1
4	FCV-1701D	Control Valves, Globe Type, Size based on attached data sheet #600	1
5	FCV-1701E	Control Valves, Globe Type, Size based on attached data sheet #600	1
6	FCV-1701F	Control Valves, Globe Type Size based on attached data sheet #600	1

Note: Size shall be finalized by vendor and client agreement

5.0 LIMITS OF SUPPLY

5.1 SCOPE OF SUPPLY

5.1.1 MAIN DESCRIPTION

The scope of supply includes 6 Nos. Control Valves. Main feature are as below:

- Flow Control Valves, Globe Type
- Actuator
- Positioner
- Painting and coating (Light green Actuator and white valve body as per Specification For Painting BK-GNRAL-PEDCO-000-PI-SP-0006)

The supplier 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.

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053 - 073 - 9184	<table><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>W007S</td><td>PEDCO</td><td>110</td><td>IN</td><td>MR</td><td>0005</td><td>D05</td></tr></table>		پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	W007S	PEDCO	110	IN	MR	0005	D05
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BK	W007S	PEDCO	110	IN	MR	0005	D05											

- 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 PURCHASER 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
 - Supplier shall also provide the description of the following quality activities:
 - o Sub suppliers products quality
 - o 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

Following items shall be considered (supplied) and included in the bid documentation:

- Spare parts for commissioning and start-up; a qualified and complete list based on PROJECT SPARE PART SUPPLY PROCEDURE (Doc. No. E&D-QC-SP-1).
- Spare parts for two years operation; a qualified and complete list based on PROJECT SPARE PART SUPPLY PROCEDURE (Doc. No. E&D-QC-SP-1).
- Capital spare parts (as option)

5.1.3 OTHER ITEMS

No other item is required

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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شماره پیمان:	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD	شماره صفحه : 8 از 18																
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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 the supplier.
- 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 VENDOR RESPONSIBILITY

VENDOR shall be responsible for the design, engineering, co-ordination, supply, delivery, testing, final check-out 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-suppliers.

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شماره پیمان:	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD	شماره صفحه : 9 از 18																
053 - 073 - 9184	<table><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>W007S</td><td>PEDCO</td><td>110</td><td>IN</td><td>MR</td><td>0005</td><td>D05</td></tr></table>		پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	W007S	PEDCO	110	IN	MR	0005	D05
	پروژه		بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه									
BK	W007S	PEDCO	110	IN	MR	0005	D05											

9.0 PRESERVATION, STORAGE AND SHIPMENT

Instrumentation shall be adequately protected, suitable for shipment and storage at site, prior to dispatch from the Supplier's works. All instrument items shall be protected from vibrations and shocks normally expected during handling, loading/unloading and shipment.

The packing shall also be suitable for storage of the instrumentation for up to 6 months in the harsh outdoor environment described in Section 6.1. The packing shall be adequate to resist the humidity, temperature extremes and corrosion conditions to be expected in the various site locations. The pressure relief valves and its accessories shall be supplied pre-assembled. Valves shall be supplied as a whole, complete with all the accessories like cap, lifting lever, test gag, etc. All threaded and flanged openings shall be suitably covered to prevent entry of foreign material.

10.0 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. 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(at least 10 years). 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

 NISOC	<p>نگهداشت و افزایش تولید میدان نفتی بینک</p> <p>فعالیت های رو زمینی در بسته های کاری تحت الارض</p> <p>ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی، تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک</p>																									
شماره پیمان: 053 - 073 - 9184	<table><tr><th colspan="8">PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD</th></tr><tr><th>پروژه</th><th>بسته کاری</th><th>صادرکننده</th><th>تسهیلات</th><th>رشته</th><th>نوع مدرک</th><th>سریال</th><th>نسخه</th></tr><tr><td>BK</td><td>W007S</td><td>PEDCO</td><td>110</td><td>IN</td><td>MR</td><td>0005</td><td>D05</td></tr></table>	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD								پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	W007S	PEDCO	110	IN	MR	0005	D05	شماره صفحه : 10 از 18
PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD																										
پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه																			
BK	W007S	PEDCO	110	IN	MR	0005	D05																			

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.

11.0 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 PURCHASER's/CLIENT's approval.

Other than deviation which will be signed and sent during P.O phase, construction and test phases also should be provided by vendor.

12.0 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 (END-QC-SP-1)
- 3) 2 years operational spare parts (END-QC-SP-1)
- 4) Packing & transportation

 NISOC	<p>نگهداشت و افزایش تولید میدان نفتی بینک</p> <p>فعالیت های رو زمینی در بسته های کاری تحت الارض</p> <p>ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی،</p> <p>تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه</p> <p>چندراهه کلاستر بینک</p>																	
شماره پیمان:	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD	شماره صفحه : 11 از 18																
053 - 073 - 9184	<table><tr><td>پروژه</td><td>بسته کاری</td><td>صادرکننده</td><td>تسهیلات</td><td>رشته</td><td>نوع مدرک</td><td>سریال</td><td>نسخه</td></tr><tr><td>BK</td><td>W007S</td><td>PEDCO</td><td>110</td><td>IN</td><td>MR</td><td>0005</td><td>D05</td></tr></table>		پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	W007S	PEDCO	110	IN	MR	0005	D05
	پروژه		بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه									
BK	W007S	PEDCO	110	IN	MR	0005	D05											

ATTACHMENT 1

12.1 LIST OF REFERENCE / APPLICABLE DOCUMENTS



The Latest Revision Of Project Documents Shall Be Considered By Vendor)

No.	Document No.	Document Title	Rev.
Process			
1.	BK-GNRAL-PEDCO-000-PR-DC-0001	Process Design Criteria	D02
2.	BK-GNRAL-PEDCO-000-PR-DB-0001	Process Basis Of Design	D08
3.	BK-W007S-PEDCO-110-PR-PI-0001	P&ID - Extension of Binak B/C Manifold	D04
Piping			
4.	BK-SSGRL-PEDCO-110-PI-SP-0001	Piping Material Specification	D03
5.	BK-GNRAL-PEDCO-000-PI-SP-0006	Specification For Painting	D04
Instrument			
6.	BK-GNRAL-PEDCO-000-IN-SP-0001	Specification For Instrumentation	D04
7.	BK-SSGRL-PEDCO-110-IN-DC-0002	Instrument & Control System Design Criteria	D03
8.	BK-W007S-PEDCO-110-IN-DT-0006	Data Sheets For Control/Regulator valves - Extension of Binak B/C Manifold	D06
9.	BK-GNRAL-PEDCO-000-IN-SP-0005	Specification For Control Valves	D03
10.	BK-W007S-PEDCO-110-IN-DG-0003	Instrument Hook-up Diagram - Extension of Binak B/C Manifold	D02
General			
11.	ICE-EID-MI-SP01	دستورالعمل بازرسی، خرید و ساخت کالا	D01
12.	ICE-EID-MI-SP02	دستورالعمل انتخاب سطح بازرسی کالا و تجهیزات	D01
13.	E&D-QC-SP-1	دستورالعمل تامین قطعات یدکی راه اندازی و راهبری دو سالانه	-
14.	BK-GNRAL-PEDCO-000-QC-PR-0022	Specification For Final Data Book (FDB) Requirements	D00
15.	BK-GNRAL-PEDCO-000-QC-PR-0045	Packing, Marking, Transportation Procedure	D00

 NISOC	<p>نگهداشت و افزایش تولید میدان نفتی بینک</p> <p>فعالیت های رو زمینی در بسته های کاری تحت الارض</p> <p>ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی،</p> <p>تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه</p> <p>چندراهه کلاستر بینک</p>																	
شماره پیمان:	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD	شماره صفحه : 12 از 18																
053 - 073 - 9184	<table><tr><td>پروژه</td><td>بسته کاری</td><td>صادرکننده</td><td>تسهیلات</td><td>رشته</td><td>نوع مدرک</td><td>سریال</td><td>نسخه</td></tr><tr><td>BK</td><td>W007S</td><td>PEDCO</td><td>110</td><td>IN</td><td>MR</td><td>0005</td><td>D05</td></tr></table>		پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	W007S	PEDCO	110	IN	MR	0005	D05
	پروژه		بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه									
BK	W007S	PEDCO	110	IN	MR	0005	D05											

ATTACHMENT 2

12.2 VENDOR DOCUMENTS MIN. REQUIREMENT

NO.	DESCRIPTION	WITH BID	AFTER ORDERING				FINAL DOCUMENT (4)
		Q./TYPE (1)	Q./TYPE (1)	DELIVERY DATE (2)	PURPOSE (3)	FINAL ISSUE	
MANAGEMENT							
1	Vendor Document Index and Schedule	1N	(5)	2W	A	(5)	X
2	Organization Brief	1N	(5)	2W	I	(5)	
3	Schedule Level 1, 2, 3 & 4 showing Engineering, Procurement, Fabrication, Inspection, Testing, and Delivery Plan.		(5)	3W	A	(5)	X
4	Physically Progress Report (Every 2 Weeks))		(5)	2W	I	(5)	
5	Project Organization Chart		(5)	2W	A	(5)	X
6	Reference List	1N	(5)	2W	I	(5)	
7	Vendor Catalogue	1N	(5)	2W	I	(5)	X
QA/QC							
8	Quality Assurance Manual /Quality Management System Certificate (according to latest rev. of ISO)		(5)	3W	A	(5)	X
9	Procedure Qualification Record & Welding Procedure Specification		(5)	3W	A	(5)	X
10	Hydrostatic/Pneumatic Test Procedure		(5)	4W	A	(5)	X
11	Quality Control Plan		(5)	4W	A	(5)	X
12	Post Weld Heat Treatment Procedure		(5)	4W	A	(5)	X
13	Weld and NDT Map		(5)	4W	A	(5)	X
14	Surface Preparation and Painting Procedures		(5)	4W	A	(5)	X
15	Welder Qualification Procedure		(5)	4W	A	(5)	X
16	Manufacturing, Inspection & Test Procedures	1N	(5)	4W	A	(5)	X

	<p>نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی، تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک</p>								
شماره پیمان: 053 - 073 - 9184	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD							شماره صفحه : 13 از 18	
	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال		
BK	W007S	PEDCO	110	IN	MR	0005	D05		

NO.	DESCRIPTION	WITH BID	AFTER ORDERING				FINAL DOCUMENT (4)
		Q./TYPE (1)	Q./TYPE (1)	DELIVERY DATE (2)	PURPOSE (3)	FINAL ISSUE	
17	Performance & Functional Test Procedure		(5)	4W	A	(5)	X
18	Non-Destructive Testing/Examination Procedures		(5)	4W	A	(5)	X
19	Factory Acceptance Test (FAT) Procedure	1N	(5)	4W	A	(5)	X
20	Site Acceptance Test (SAT) Procedure	1N	(5)	4W	A	(5)	X
HSE							
21	HSE Procedure		(5)	4W	A	(5)	X
INTERFACE							
22	Package Data Sheets	1N	(5)	4W	A	(5)	X
23	General Arrangements Drawings	1N	(5)	4W	A	(5)	X
24	Part List	1N	(5)	4W	A	(5)	X
25	Pneumatic Functional Diagram		(5)	4W	A	(5)	X
26	Utility Consumption List	1N	(5)	4W	A	(5)	X
27	Weight / Centre of Gravity Drawings & Data's		(5)	4W	I	(5)	
ENGINEERING							
28	Detailed Functional Design Specification		(5)	4W	A	(5)	X
29	Detailed Overall Description		(5)	4W	A	(5)	X
30	Mechanical Detailed Specifications (one per component)		(5)	4W	A	(5)	X
31	Detailed Design / Fabrication Drawings for Equipment & Auxiliary Parts		(5)	4W	A	(5)	X
32	Cross Sectional Drawings with Part Lists		(5)	4W	A	(5)	
33	Assembly Drawings	1N	(5)	4W	A	(5)	
34	Valve and Actuator Size Calculation		(5)	4W	A	(5)	
35	Instrument Hook-Up and installation Diagrams	1N	(5)	4W	A	(5)	
36	Approximate Weight & Dimension		(5)	4W	A	(5)	X

 NISOC	<p>نگهداشت و افزایش تولید میدان نفتی بینک</p> <p>فعالیت های رو زمینی در بسته های کاری تحت الارض</p> <p>ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی،</p> <p>تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه</p> <p>چندراهه کلاستر بینک</p>								
	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD							شماره صفحه : 14 از 18	
	شماره پیمان: 053 - 073 - 9184	پروژه BK	بسته کاری W007S	صادرکننده PEDCO	تسهیلات 110	رشته IN	نوع مدرک MR	سریال 0005	نسخه D05

NO.	DESCRIPTION	WITH BID	AFTER ORDERING				FINAL DOCUMENT (4)
		Q./TYPE (1)	Q./TYPE (1)	DELIVERY DATE (2)	PURPOSE (3)	FINAL ISSUE	
37	Shipping Detail Drawing		(5)	4W	A	(5)	
38	Final Data Book		(5)	4W	A	(5)	X
PROCUREMENT							
39	List of Sub-Vendors (table giving: part of equipment, tag no., sub-vendor reference)(5.1.3) (if any)	1N	(5)	4W	A	(5)	X
40	Unpriced Copy of Sub-Orders	1N	(5)	4W	I	-	
41	Packing Spec. / Shipping Schedule	1N	(5)	4W	I	-	
42	Weight List/ Shipping List	1N	(5)	4W	I	(5)	
43	Mechanical & Performance Guarantees	1N	(5)	4W	I	-	X
MANUFACTURING							
44	Preliminary Project Schedule		(5)	4W	I	-	
45	Fabrication Degree		(5)	4W	I	(5)	X
RECORDS, REPORTS & CERTIFICATES							
46	Material Conformity Certificate		(5)	4W	I	(5)	X
47	Testing Authority Approval Certificate (if any)		(5)	4W	I	(5)	X
48	Hazardous Area Certificates.		(5)	4W	I	(5)	X
49	Ingress Protection Certificate	1N	(5)	4W	I	(5)	X
50	Conformity Certificates (sub-vendor/equipment)		(5)	4W	I	(5)	X
51	Material Certificates Identification Diagram. (cross-reference material location ; certificates for critical components)		(5)	4W	I	(5)	X
52	Welding Procedure Qualification Record. (if any)		(5)	4W	A	(5)	X
53	Welder Qualification Records. (if any)		(5)	4W	I	(5)	X
54	NDT Operator Qualifications		(5)	4W	I	(5)	X
55	Detailed NDT Reports		(5)	4W	A	(5)	X
56	Weld/ NDT Identification Diagram. (Cross-reference Weld Locations, WPS, welders, NDT		(5)	4W	A	(5)	X
57	Dimensional Control Reports		(5)	4W	A	(5)	X

 NISOC	<p>نگهداشت و افزایش تولید میدان نفتی بینک</p> <p>فعالیت های رو زمینی در بسته های کاری تحت الارض</p> <p>ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی،</p> <p>تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه</p> <p>چندراهه کلاستر بینک</p>								
شماره پیمان: 053 - 073 - 9184	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD								شماره صفحه : 15 از 18
	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	
	BK	W007S	PEDCO	110	IN	MR	0005	D05	

NO.	DESCRIPTION	WITH BID	AFTER ORDERING				FINAL DOCUME NT (4)
		Q./TYPE (1)	Q./TY PE (1)	DELIVERY DATE (2)	PURPO SE (3)	FINAL ISSUE	
58	Hardness Test Reports		(5)	4W	A	(5)	X
59	PWHT Charts & Reports, Including Calibration Records of Recorders (for each heat treatment)		(5)	4W	A	(5)	X
60	Pressure Test Reports / Certificates		(5)	4W	A	(5)	X
61	FAT Test Report / Certificates		(5)	4W	A	(5)	X
62	SAT Test Report / Certificates		(5)	4W	A	(5)	X
63	Performance Test Report / Certificates		(5)	4W	A	(5)	X
64	Material Test Certificates		(5)	4W	A	(5)	X
65	Calibration Curves of Control Equipment		(5)	4W	I	(5)	X
66	Calibration Test Certificates		(5)	4W	I	(5)	X
67	Surface Preparation & Coating Reports		(5)	4W	A	(5)	X
68	Hydrostatic / Pneumatic Testing Certificates		(5)	4W	I	(5)	X
69	Welding Consumable Certificate(if any)		(5)	4W	I	(5)	X
70	Test & Inspection Reports		(5)	4W	A	(5)	X
71	Rust Prevention Report		(5)	4W	A	(5)	X
72	Non-Conformities Report		(5)	4W	A	(5)	X
73	Letter of Conformity	1N	(5)	4W	A	(5)	X
74	Welding Inspection Reports		(5)	4W	A	(5)	X
75	VT Inspection Report		(5)	4W	A	(5)	X
INSTALLATION							
76	Sub-Assembly Documentation		(5)	4W	A	(5)	
77	Sub-Assembly Drawings		(5)	4W	A	(5)	
78	Erection/Installation Manual (if required)		(5)	4W	A	(5)	X
79	Name Plate Documents	1N	(5)	4W	A	(5)	X
80	Handling, Transportation & Storage Instructions		(5)	4W	A	(5)	X

 NISOC	<p>نگهداشت و افزایش تولید میدان نفتی بینک</p> <p>فعالیت های رو زمینی در بسته های کاری تحت الارض</p> <p>ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی،</p> <p>تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه</p> <p>چندراهه کلاستر بینک</p>																	
شماره پیمان:	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD	شماره صفحه : 17 از 18																
053 - 073 - 9184	<table><tr><td>پروژه</td><td>بسته کاری</td><td>صادرکننده</td><td>تسهیلات</td><td>رشته</td><td>نوع مدرک</td><td>سریال</td><td>نسخه</td></tr><tr><td>BK</td><td>W007S</td><td>PEDCO</td><td>110</td><td>IN</td><td>MR</td><td>0005</td><td>D05</td></tr></table>	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	W007S	PEDCO	110	IN	MR	0005	D05	
پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه											
BK	W007S	PEDCO	110	IN	MR	0005	D05											

NO.	DESCRIPTION	WITH BID	AFTER ORDERING				FINAL DOCUME NT (4)
		Q./TYPE (1)	Q./TY PE (1)	DELIVERY DATE (2)	PURPO SE (3)	FINAL ISSUE	

NOTES :

*** The electronic file (Native/PDF) and Hardcopy version shall be provided in all stages by vendor.

(1) Q : QUANTITY ; TYPE : C = COPY, R = REPRODUCIBLE, P = POLYESTER, M = MICROFILM, E = ELECTRONIC, N=NUMBER OF DOCUMENT

(2) W = CONSECUTIVE CALENDAR WEEK, M = CONSECUTIVE CALENDAR MONTH

(3) A = FOR APPROVAL - I = FOR INFORMATION

(4) X = DOCUMENTS TO BE SUBMITTED AT THE FINAL DATA BOOK

(5) "6 C+E" COPY OF DOCUMENT.

(6) MECHANICAL CATALOGUE INCLUDING FINAL DRAWINGS/DOCUMENTS, UNPRICED PURCHASE ORDER & SUB-PURCHASE ORDER, MAINTENANCE DOSSIER ETC.

(7) ALL DOCUMENTS AND/OR DRAWINGS FOR THIS PROJECT SHALL ALSO BE SUBMITTED IN THE ELECTRONIC FILES BY USING THE FOLLOWING SOFTWARE.

MS OFFICE WORD 2013 OR UPPER VERSION (ENGLISH) FOR WORD PROCESSING

MS OFFICE EXCEL 2013 OR UPPER VERSION (ENGLISH) FOR SPREAD SHEET

AUTO CAD 2005 (ENGLISH) FOR DRAWING

(8) IN ORDER TO DESIGN AND MANUFACTURE THE INSTRUMENTS, VENDOR SHALL CONSIDER THE SEISMIC FACTOR,

SUITABLE FOR SEISMIC UBC 97 zone 4, AND THE RESULTS SHALL BE PROVIDED BY VENDOR.

(9) LIST OF DOCUMENTS WILL BE FINALIZED IN VPIS.

(10) VENDOR SHALL OFFER ALL MATERIAL/EQUIPMENT ONLY FROM THE LATEST APPROVED VENDOR LIST OF NIOC REFERRED TO NIOC WEBSITE."

 NISOC	<p>نگهداشت و افزایش تولید میدان نفتی بینک</p> <p>فعالیت های رو زمینی در بسته های کاری تحت الارض</p> <p>ساخت موقعیت چاه، تاسیسات سرچاهی، خطوط جریانی،</p> <p>تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه</p> <p>چندراهه کلاستر بینک</p>																									
شماره پیمان: 053 - 073 - 9184	<table><tr><th colspan="8">PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD</th></tr><tr><th>نسخه</th><th>سریال</th><th>نوع مدرک</th><th>رشته</th><th>تسهیلات</th><th>صادرکننده</th><th>بسته کاری</th><th>پروژه</th></tr><tr><td>D05</td><td>0005</td><td>MR</td><td>IN</td><td>110</td><td>PEDCO</td><td>W007S</td><td>BK</td></tr></table>	PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD								نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه	D05	0005	MR	IN	110	PEDCO	W007S	BK	شماره صفحه : 18 از 18
PMR FOR CONTROL VALVES - EXTENSION OF BINAK B/C MANIFOLD																										
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ATTACHMENT 3

12.3 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