



نگهداشت و افزایش تولید میدان نفتی بینک
 فعالیت های روزمینی در بسته های کاری تحت الارض
 ساخت موقعیت چاه، تاسیسات سرچاهی و خطوط جریان
 مربوط به موقعیت W028



شماره پیمان:

PMR FOR GEOMEMBRANE - W028

شماره صفحه: ۱ از ۱۴

۰۵۳ - ۰۷۳ - ۹۱۸۴

پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
BK	W028	PEDCO	110	CV	MR	0001	D02

طرح نگهداشت و افزایش تولید ۲۷ مخزن

PMR FOR GEOMEMBRANE - W028

نگهداشت و افزایش تولید میدان نفتی بینک

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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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۰۵۳ - ۰۷۳ - ۹۱۸۴

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D02	0001	MR	CV	110	PEDCO	W028	BK

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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, construction of well location, access road, wellhead facilities for W028 shall be done. In addition, construction of new flowline from aforementioned well location to Binak B/C unit are 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 & Flowline for W028
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 GENERAL

- 2.1** This document presents the item material requisitions for Contractor's use as appropriate.
- 2.2** This material requisition covers the requirements for the design, manufacturing, testing and supply of High Density PolyEthylene (HDPE) Geomembrae material (For Waste Pit & Water Pool) as listed below. All items shall conform to this requisition and all specifications which have been mentioned in attachment 1 of this material requisition. The quantity mentioned in the table 1 will be finalized based on the project requirements.
- 2.3** The vendor's supply shall include:

TABLE – 1
GEOMEMBRANE MATERIAL REQUISITION

No.	Description	Tech. Requirements	Quantity (m ²)
1	Geomembrane	HDPE, Thickness=1.5 mm (minimum), Width=7000 mm (Acc. to GM13 Std.)	3200

3.0 REFERENCE / ATTACHED DOCUMENTS



- 3.1** All codes and standards which have been referenced in above mentioned shall be considered.
- 3.2** Specified documents in attachment 1 shall be considered as a part of this material Requisition.
- 3.3** 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.
- 3.4** Deviations

Any exceptions/clarifications to codes/standards and specifications 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.

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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

- 4.1** The supplier shall supply all items listed in “TABLE - 1”. The scope of supply is detailed at para. 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.
- 4.2** The grade of shop assembly of the equipment/devices/items supplied shall be at maximum extent to facilitate site erection and pre-commissioning activities.

5.0 LIMITS OF SUPPLY



5.1 SCOPE OF SUPPLY

5.1.1 MAIN DESCRIPTION

The scope of supply includes items listed in “TABLE - 1”.

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.
- 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

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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.

5.2 EXCLUSIONS

No devises are excluded from supplier scope of supply.

5.3 BATTERY LIMITS

The battery limits includes the mud pit area and water pool area at location W028S.



6.0 WORKMANSHIP AND APPEARANCE

6.1 Material shall have good appearance qualities. It shall be free from such defects that would affect the specified properties of the geomembrane.

6.2 General manufacturing procedures shall be performed in accordance with the manufacturer's quality control guide and/or documents.

7.0 INSPECTION AND TESTS

The material shall be inspected and tested in accordance with the quality control plan issued by the supplier and approved by the PURCHASER before the award of the order. The supplier 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.

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8.0 PACKAGING AND MARKETING

The geomembrane shall be rolled onto a substantial core or core segments and held firm by dedicated straps/slings, or other suitable means. The rolls must be adequate for safe transportation to the point of delivery, unless otherwise specified in the contract or order.

9.0 UNIT RESPONSIBILITY

- 9.1** 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.
- 9.2** Also VENDOR shall be responsible for ensuring that all relevant information and documentation is passed on the sub-suppliers.

10.0 GUARANTEE AND WARRANTY

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



10.2 The guarantee period shall be 120 months from the date of delivery or 114 months from the installation date of each equipment/packages at site.

10.3 VENDOR shall guarantee the performance of supplied items (if any).



10.4 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.

10.5 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.

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

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

10.8 Vendor shall be responsible for the safe, reliable, continuous functioning of the

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Equipment/Devices/Items.

10.9 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



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

11.2 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 approval.

12.0 PRICE BREAKDOWN



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

- 1) Material and Fabrication
- 2) Packing & transportation
- 3) Other fee (if any)

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<p>شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴</p>	<p>PMR FOR GEOMEMBRANE – W028</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>W028</td> <td>PEDCO</td> <td>110</td> <td>CV</td> <td>MR</td> <td>0001</td> <td>D02</td> </tr> </table>	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	W028	PEDCO	110	CV	MR	0001	D02	<p>شماره صفحه : ۱۰ از ۱۴</p>
پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه											
BK	W028	PEDCO	110	CV	MR	0001	D02											



ATTACHMENT 1
LIST OF REFERENCE / APPLICABLE DOCUMENTS

No.	Document No.	Document Title	Rev.
Civil			
1	General Civil Layout – W028	BK-W028-PEDCO-110-CV-PY-0001	D01
2	Civil and Structural drawings – W028	BK-W028-PEDCO-110-CV-PY-0002	D02
General			
3	ICE-EID-MI-SP01-Rev01	دستورالعمل بازرسی خرید و ساخت کالا	-
4	BK-GNRAL-PEDCO-000-QC-PR-0045	Packing , Marking , Transportation Procedure	D00
5	BK-GNRAL-PEDCO-000-QC-PR-0022	Specification For Final Data Book (FDB) Requirements	D00



	نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های روزمینی در بسته های کاری تحت الارض ساخت موقعیت چاه، تاسیسات سرچاهی و خطوط جریانی مربوط به موقعیت W028								
	PMR FOR GEOMEMBRANE – W028								
شماره پیمان: ۰۵۳ – ۰۷۳ – ۹۱۸۴	پروژه BK	بسته کاری W028	صادر کننده PEDCO	تسهیلات 110	رشته CV	نوع مدرک MR	سریال 0001	نسخه D02	شماره صفحه: ۱۱ از ۱۴

ATTACHMENT 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)	Calenda r days (3)
MANAGEMENT						
001	Vendor Document Index and Schedule	4N	6C+E		6C+E	
002	Time Schedule	4N	6C+E		6C+E	
003	Physically Progress Report (Every 1 Week)		6C+E			
004	Reference List	3N				
005	Vendor Catalogue	3N				
QUALITY						
006	Quality Assurance Manual /Quality Management System Certificate (according to latest rev. of ISO)	4N			6C+E	
007	Inspection and Test Plan		6C+E		6C+E	
ENGINEERING						
008	Data Sheets	4N	6C+E		6C+E	
009	MSDS of Hazard Materials	4N	6C+E		6C+E	
TESTING						
010	Factory Acceptance Test (FAT) Procedure		6C+E		6C+E	
RECORDS, REPORTS & CERTIFICATES						
011	FAT Test Report / Certificates		6C+E		6C+E	
VENDOR DATA BOOK						
012	Vendor Final Data Book		6C+E		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						

 <p>NISOC</p>	<p>نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های روزمینی در بسته های کاری تحت الارض ساخت موقعیت چاه، تاسیسات سرچاهی و خطوط جریانی مربوط به موقعیت W028</p>																	
<p>شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴</p>	<p>PMR FOR GEOMEMBRANE – W028</p> <table border="1" data-bbox="389 380 1177 448"> <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>W028</td> <td>PEDCO</td> <td>110</td> <td>CV</td> <td>MR</td> <td>0001</td> <td>D02</td> </tr> </table>	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	BK	W028	PEDCO	110	CV	MR	0001	D02	<p>شماره صفحه: ۱۲ از ۱۴</p>
پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه											
BK	W028	PEDCO	110	CV	MR	0001	D02											

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)
(6) Prior to testing						
(7) One copy each bid copy						

 <p>NISOC</p>	<p>نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های روزمینی در بسته های کاری تحت الارض ساخت موقعیت چاه، تاسیسات سرچاهی و خطوط جریانی مربوط به موقعیت W028</p>																	
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پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه											
BK	W028	PEDCO	110	CV	MR	0001	D02											



ATTACHMENT 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 روزمینی در بسته های کاری تحت الارض ساخت موقعیت چاه، تاسیسات سرچاهی و خطوط جریانی مربوط به موقعیت W028</p>																	
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پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه											
BK	W028	PEDCO	110	CV	MR	0001	D02											

**ATTACHMENT 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