



نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره پیمان:

053 - 073 - 9184

MTO FOR PAGA

پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
BK	GCS	PEDCO	120	TE	MT	0004	D00

شماره صفحه: 1 از 7

طرح نگهداشت و افزایش تولید 27 مخزن

PMR FOR PAGA

نگهداشت و افزایش تولید میدان نفتی بینک

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 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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REVISION RECORD SHEET



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 <p>NISOC</p>	<p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p>																	
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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, a New Gas Compressor Station (adjacent to existing Binak GCS) shall be constructed to gather of 15 MMSCFD (approx.) associated gases and compress & transfer them to Siahmakan GIS.

GENERAL DEFINITION

The following terms shall be used in this document.

CLIENT:	National Iranian South Oilfields CLIENT (NISOC)
PROJECT:	Binak Oilfield Development – Surface Facilities; New Gas Compressor Station
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



- 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 **PAGA SYSTEM** as listed below.

The supplier shall supply Telephone System. 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.

3.0 BILL OF MATERIAL LIST

Item	Description	Design	Unit	Remark
1	<p style="text-align: center;">IP-Based PAGA Unit:</p> <p>Centralized Communication System for Intercom, PA and General Alarm Data Transmission through a Standard IP Ethernet-Network according to DIN EN 60849/VDE 0828 installed in 19" rack swing standalone WxHxD:800x2000x800 mm/ 40 HU, With 100mm Base, RAL 7035</p> <p style="text-align: center;">Equipped with:</p> <ul style="list-style-type: none"> - Controller - Power Module <p>-4x Amplifier Class D 19" 1x250W/100V (Total 1000 W in operation with considering N+1 Configuration)</p> <ul style="list-style-type: none"> - Tone Generator Module - Zone selection module -Charger and Rectifier 110/230VAC to 48VDC -1x SIP link to PABX -1x AM/FM radio / CD / mp3 player 2HU/19" - Customized Software programmed & ready to site connection - SIP Interface to radio System - Service Laptop including software -MDF Terminal 	1	Set	

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2	Master Call Station: IP21, Desktop mounted including keyboard and Neck swan MIC	1	Set	
3	42 Unit Rack 800x800x2100 mm with full accessories and earth bar (Light, fan, power socket...)	1	Set	
4	LAN Switch Layer 2 , 24x 10/100/1000 Base T +2 SFP Module	1	Set	
5	Ceiling Loudspeaker: Flush Mounted Ceiling Loud speaker 5 watt at 100 V ,with matching transformer 1.5, 3, 5W, Frequency Range 70 Hz to 20 kHz , SPL 90 dB (1watt/1m) and SPL 96 dB (6w/1m)+local Jb	10	Set	CCR
6	Indoor Horn Loudspeaker: Weather proof pressure chamber Loud speaker 15/25 watt at 100 V, Adjustable Sound level, Frequency Range, Frequency Range 300Hz to 6 kHz, with matching transformer 3,6,12W, SPL 108 dB (1watt/1m) and SPL 118 dB (12w/1m) , Pole mounting with Ushaped , <u>non-rusting stainless steel Bracket, IP54</u>	0	Set	
7	Weather Proof 25 watts: Weather proof pressure Loud speaker 25 watt at 100 V , Adjustable Sound level, Frequency Range 300Hz to 6 kHz, with matching transformer 6,12,25W, SPL 108 dB (1watt/1m) so it can be used in low power case too ,and SPL 121 dB (25w/1m) , AL/ABS/fiber glass reinforced plastic enclosure , Pole mounting with <u>U-shaped, non-rusting stainless steel Bracket, IP65</u>	12	Set	Outdoor CGS Area
8	Weather Proof Flash Beacon , Yellow Color,5 Joule	8	Set	For noisy area
9	Weather proof Call Station: IP 65 Digital Explosion proof Call station <u>with Hood-</u> - Break Glass housing for the unit party line /speech key master/ conference cancellation keys, volume control functions, with speech memory Equipped with 2m H.D.G pole	2	Set	
10	HDG Pole seamless industrial Hot dipped Galvanized & base plate including adaptor for 4 speakers Note; The right height for Horn Loud Speakers pole is around 4 m High. More than this height the loss sound power will be high amount.	3	Set	

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11	<p>Outdoor Metal box for Intercom Station, Weather proof, IP65 ,with all required explosion proof cable glands For 5Px0.9mm2 cable And <u>required terminal</u> , 2X M20 Gland and Terminal mounting accessories and blind plug</p>	2	Set	
12	<p>Outdoor Metal Type WP PJB for Loud speakers, with all required cable glands, mounting accessories and blind plug 10 xM20 Gland and Terminal</p>	3	Set	
13	<p>Indoor AL material PJB for Paging, IP42, with all required cable glands .Capable to install inside the building Minimum 2x M25 Gland Bottom and 5 No.M20 Gland in Top and Terminal</p>	1	Set	