





# احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:

053 - 073 - 9184

MTO FOR PAGA							
پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرك	سريال	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

Class	•	CLIENT Dec Number: E97	7700006		•	•
Rev.	Date	Purpose of Issue/Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval
D00	May. 2022	IFI	H.Shakiba	M.Fakharian	M.Mehrshad	

Class: CLIENT Doc. Number: F8Z709096

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



# احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



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#### احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



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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 Fcilities; 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.



## احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



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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.

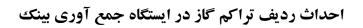
The supplier shall supply Telephone System. The supplier shall include in the supply, all other equipment/devices/items not listed in the following, but necessary for a good design and a safe operation, taking into account process data and installation conditions such as area classification and climatic 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	IP-Based PAGA Unit:  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 Equipped with:  - Controller - Power Module -4x Amplifier Class D 19" 1x250W/100V (Total 1000 W in operation with considering N+1 Configuration)  - 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	







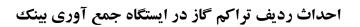
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2	IP21, Desktop mo		Call Station		ck swan I	MIC	1		Set	
3	42 Unit Rack 800x800x2100 mm with full accessories and earth bar (Light, fan, power socket)								Set	
4	LAN Switch Layer 2 , 24x 10/100/1000 Base T +2 SFP Module						1		Set	
5	Ceiling Loudspeaker: 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								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, non-rusting  stainless steel Bracket, IP54					0		Set		
7	Weather proof pres Sound level, Fre transformer 6,12,25V power case too ,a reinforced plasti	equency Rang W, SPL 108 dl and SPL 121 d	eaker 25 w e 300Hz to B (1watt/1n dB (25w/1n Pole mounti	att at 10 6 kHz, w n) so it ca n),AL/AI ng with <u>U</u>	ith match an be use BS/fiber	ning ed in low <b>glass</b>	12		Set	Outdoor CGS Area
8	Weather P	roof Flash Be	acon , Yell	ow Color	,5 Joule		8		Set	For noisy area
9	Digital E  party line /speech	eather proof Explosion proof Break Glass h key master/ co trol functions, Equipped wit	of Call station outsing for to onference can with speech	on with Head the unit ancellation memory	n keys, v	rolume	2		Set	
10	seamless industrice  Note; The right head thigh. More than this	al Hot dipped adaptor fo ight for Horn	or 4 speake Loud Spea	ers akers pol	e is arou	ınd 4 m	3		Set	







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11	Outdoor Metal box for Intercom Station, Weather proof, IP65, with all required explosion proof cable glands For 5Px0.9mm2 cable And required terminal, 2X M20 Gland and Terminal mounting accessories and blind plug	2	Set	
12	Outdoor Metal Type WP PJB for Loud speakers, with all required cable glands, mounting accessories and blind plug  10 xM20 Gland and Terminal	3	Set	
13	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	1	Set	