

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 
	TBE For Chemical Injection Packages							
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک TB	سریال 0008	نسخه D00
شماره صفحه: ۱ از ۵								

طرح نگهداشت و افزایش تولید ۲۷ مخزن

TBE For Chemical Injection Packages

نگهداشت و افزایش تولید میدان نفتی بینک

D00	Mar.2023	IFI	H. Adineh	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class: 3

CLIENT Doc. Number: F0Z-709230

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

	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک TBE For Chemical Injection Packages							 			
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: ۲ از ۵	
	۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	ME	TB	0008	D00		
REVISION RECORD SHEET											
Page	D00	D01	D02	D03	D04	Page	D00	D01	D02	D03	D04
1	X					65					
2	X					66					
3	X					67					
4	X					68					
5	X					69					
6						70					
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64						128					

 NISOC		تنگداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تو اکم گاز در ایستگاه جمع آوری بینک						 		
		TBE for Chemical Injection Package								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴		پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: ۳ از ۵
		BK	GCS	PEDCO	120	ME	TB	0008	D00	
REQ. NO: BK-GCS-PEDCO-120-ME-MR-0008				BIDDER NAME:		Kardanan Shargh Co		KSP Industrial Group		Green Mile Co
QUOTATION NO.:						T-PS-401150-01-101-01-01		KSP-BN-TO-TP-01-D1		GMC-2297-OFR-001
QUOTATION DATE:						15-02-2023		2023.02.22		5-Dec-22
No.	DESCRIPTION	UNITS	REQ'D BY PURCHASER	MEETS REQUISITION REQUIREMENTS						
					Status			Status		Status
1	GENERAL									
1.1	Guarantee & Warranty as per project requirement	-	12 month after succesfull start up or 18 month after delivery at site	A	YES	A	YES	A	YES	YES
1.2	Delivery Time	-	As per project requirement	7 Month	YES	7 Month	YES	280 working days	YES	YES
1.3	Quality System Certificates		Required	A	YES	A	YES	A	YES	YES
1.4	Catalogues		Required	A	YES	A	YES	A	YES	YES
1.5	Signed and Stamped project MR's Scope of Supply & Work		Required	NS	NO	A	YES	NS	NO	NO
1.6	Deviation List		Required	A	YES	A	YES	A	YES	YES
1.7	Reference and Installation List		Required	A	YES	A	YES	A	YES	YES
1.8	Recommended Spare Part List for erection & Commissioning		Required	A	YES	A	YES	A	YES	YES
1.9	Delivery Location	-	Required	Factory, Mashhad	YES	Factory, Mashhad	YES	Factory, Shiraz	YES	YES
1.10	Special Tools List (If Required)		Required	A	YES	A	YES	A	YES	YES
1.11	P&ID		Required	A	YES	A	YES	A	YES	YES
1.12	Process Flow diagram		Required	NA	YES	NA	YES	NA	YES	YES
1.13	Main Equipment list		Required	A	YES	A	YES	A	YES	YES
1.14	Operating Manual		Required	A	YES	A	YES	A	YES	YES
1.15	Load List		Required	A	YES	A	YES	A	YES	YES
1.16	Utility Consumption List		Required	A	YES	A	YES	A	YES	YES
1.17	Control System Architecture Drawing		Required	A	YES	A	YES	A	YES	YES
1.18	Performance Curve		Required	A	YES	A	YES	A	YES	YES
1.19	Data Sheets for All Equipmen t Inside the Package		Required	A	YES	A	YES	A	YES	YES
1.20	Calculation Note For PSV Sizing		Required	NS	NO	A	YES	A	YES	YES
1.21	ESD Philosophy		Mar.2023	A	YES	A	YES	A	YES	YES
1.22	Controller type of Package		Type A	A	YES	A	YES	A	YES	YES
1.23	Control Philosophy		Required	After P.O	YES	After P.O	YES	After P.O	YES	YES
1.24	Outline/General Lay-out Drawings		Required	NS	NO	A	YES	A	YES	YES
1.25	Recommended Spare Part List for 2 Years of Operation		Required	A	YES	A	YES	A	YES	YES
2	TANK DATA									
2.1	Material	-	Required	SS316L	YES	SS316L	YES	SS316L	YES	YES

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		شماره پیمان: ۰۵۳ - ۰۲۳ - ۹۱۸۴									
پروژه		بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: ۴ از ۵		
BK		GCS	PEDCO	120	ME	TB	0008	D00			
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					Status		Status		Status		
2.2	Capacity	m3	Required	1.6	YES	2.5	YES	1	YES		
2.3	Dimension(IDxH)	mm*mm	Required	NS	NO	1535*1500	YES	~ 1000 x 1700	YES		
2.4	Type	-	Cylindrical shell with Elliptical Heads	Cylindrical / Vertical	YES	Cylindrical Shell, with Torispherical Head	YES	Cylindrical, flat head, Elliptical bottom	YES		
2.5	Design Pressure	barg	Required	NS	NO	ATM + F.O.L	YES	ATM + F.O.L	YES		
2.6	Thickness(Shell/Heads)	mm	Required	5	YES	5	YES	5	YES		
2.7	P.W.H.T	-	Required	NA	YES	NA	YES	N.A.	YES		
2.8	Corrosion Allowance	mm	Required	0	YES	0	YES	0	YES		
2.9	Impact Test	-	Required	NA	YES	NA	YES	N.A.	YES		
2.10	Weight Emp. /Oper.	kg	Required	NS	NO	650 / 3500	YES	500 / 1500	YES		
2.11	Tank Connection	-	Required	NS	NO	A	YES	A	YES		
2.12	Mixer Type	-	Top Mounted, Electrical Driven	A	YES	A	YES	A	YES		
2.13	NDT Test	-	VT, PT, LEAK TEST	A	YES	A	YES	A	YES		
2.14	Sand Blast & Painting /Coating	-	Required	NA	YES	A	YES	N.A.	NO		
2.15	Supported by	-	Legs	A	YES	A	YES	A	YES		
2.16	Sub Vendors	-	Required	Kardanan Shargh Co	YES	KSP	YES	Green Mile Co.	YES		
3	SKID										
3.1	Material	-	Required	NS	NO	CS	YES	C.S.	YES		
3.2	Dimension	m*m*m	Required	3000x 2400x3000 mm	YES	Appx. 4x3x3.5 m	YES	2300 x 2700 x 2900 mm	YES		
3.3	Profile	-	Required	NS	NO	H14	YES	I Beam	YES		
3.4	Connection type with tank	-	Required	NS	NO	Welding to Tank Leg BasePlate	YES	Bolt & Nuts	YES		
3.5	Sub Vendors	-	Required	Kardanan Shargh Co	YES	KSP	YES	Green Mile Co.	YES		
4	Dosing Pump Data										
4.1	Type	-	Required	Double Diaphragm	YES	Double Diaphragm	YES	Double Diaphragm	YES		
4.2	QTY.	-	Required	2+2	YES	2 + 2	YES	2 + 2	YES		
4.3	Design Code	-	Required	API 675	YES	API 675	YES	API-675	YES		
4.4	Stroke Adjustment	-	Required	Local, Manual	YES	Local, Manual	YES	Local, Manual	YES		
4.5	Wetted Part Material	-	Required	SS316L	YES	SS316L	YES	S.S. 316	YES		
4.6	Service	-	Required	Corrosion Inhibitor	YES	Corrosion Inhibitor	YES	Corrosion Inhibitor	YES		
4.7	Capacity Max.	L/Hr.	Required	3.388	YES	4	YES	2.3 / 3.1	YES		
4.8	Dis. Pressure Max	Borg.	Required	62	YES	62 & 9	YES	62 / 9	YES		
4.9	MotorPower	Kw	Required	0.75	YES	0.37	YES	0.37	YES		
4.10	Ingress Protection	-	Required	IP55	YES	IP55	YES	IP 55	YES		
4.11	Connection	Suc./Dis.	Required	1/2"	YES	1/2" RF #600	YES	1/2" #300	YES		
4.12	Sub Vendors	-	Required	DEPAMU	YES	KSP	YES	OMG (Italy)	YES		
5	MIXER DATA										
5.1	Type	-	Required	Pitched Blade Turbine	YES	Vertical, Center, Top Mounted	YES	Flat	YES		
5.2	RPM	-	Required	NS	NO	24	YES	80	YES		
5.3	Driver	-	Required	ElectroMotor	YES	ElectroMotor	YES	ElectroMotor	YES		

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		TBE for Chemical Injection Package								
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					Status		Status		Status	
5.4	Anti Rotation		Required	NS	NO	A	YES	NS	NO	
5.5	Gear Box Type		Required	NS	NO	Wormed Screw	YES	Worm	YES	
5.6	Manufacture		Required	Kardanan Shargh	YES	KSP	YES	Green Mile	YES	
5.7	Power	kW	Required	0.75	YES	0.37	YES	0.37	YES	
5.8	Speed(Max/Min)	rpm	Required	1450	YES	1450	YES	1450	YES	
5.9	Ratio		Required	NS		1/60	YES	1450 : 80	YES	
5.10	Impeller (Blade Dimension./Mat./Q.T.Y)	-	Required	NS	NO	400 / S.S. / 1	YES	400 / S.S. / 1	YES	
5.11	Mixer sealing type	-	Packing	Packing	YES	Packing	YES	N	NO	
5.12	Shaft(Mat./Length./Diameter./)	-	Required	SS 316L	YES	SS316L / 1300 mm /34 mm	YES	S.S. / 1500 / 15	YES	
6	PACKAGE INTERCONNECTING PIPE & FITTINGS									
6.1	Material	-	Required	SS316L	YES	SS316L	YES	S.S. 316	YES	
6.2	Rating	-	Required	NS	NO	#600 / #150	YES	#600 / #300	YES	
6.3	Type	-	Required	SW	YES	SW	YES	SW	YES	
Final conclusion				ACCEPTED		ACCEPTED		ACCEPTED		
NOTES: A:Accepted N:Not Accepted NA:Not Applicable NS:Not Specified C:Clarification Required VTS: Vendor to Specify										