<u> </u>	PETROCHEMICAL IN	IDUSTRIES ING engineering	2 <sup>nd</sup> ZAGROS MEGAMETH PROJECT	IANOL	OWNER	:
PIDEC	DESIGN & ENGINE	ERING CO. PROJ.NO: 1.69690-10-GEM	COVER SHEET	କ	Сомра	S PETROCHEMICAL NY (ZPC) O. : 232000
				USA C		0 232000
REQUISIT	ON FOR :	ON/OFF VALVES			VAYS REFER TO	
		UN/OFF VALVES			REQUISITION N	
INQUIRY	- F	PURCHASE ORDER		SHE	ET 1	OF 8
		equisition is issued to obtai ON/C	n quotaion for design a DFF VALVES	and supply o	of :	
REQU	ISITION CO	<u>DNTENTS</u>	<u>No. (</u>	OF SHEET	<u>s</u>	
1. Sco	pe of Work			1		
2. Sco	pe of Suppl	у		1		
3. Mat	erial Summa	ary List		1		
4. Red	uisition Not	es		3		
5. List	of Attachme	ents		1		
4	16.05.05	FOR PURCHASIN	G(REVISED)	S.E.H	S.Ehtemam	Z.EMAMI
3	8.05.05	FOR AMENDMENT (UV	(450401,UV450402)		S.Ehtemam	
2	11.04.05	FOR AMENDMENT (UV			S.Ehtemam	
1	2.12.04	FOR PURCHASING(SIGNED LETT CERTIFICATE O	F ORIGIN)	S.E.H	S.Ehtemam	
0	12.06.04	FOR PURCH	ASING	Sh.Madani	S.Ehtemam	M.Masoudi
REV.	DATE	DESCRIPT	ION	PREPARED	APPROVED	PROJECT

Frame No. 16/0 IN:128\F:\1182\82REQ\605\PR\605REQ.DOC

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PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING CO. PROJ. NO. : 1182   PROJ.NO: 1.69690-10-GEM   SUBSEQUENT SHEET   Compare Compar	=c) 32000 HIS NUM 5 
REQUISITION FOR :     ALWAYS REFER TO TH     P-1182-REQ-IN-60:     REV.     DESCRIPTION     SEC OF WORK     Vendor's scope of work includes but not limited to the following ite requirements stated in the requisition and all its attachments.     1.1   GENERAL     MAIN OPTIONS     QUOTATION   OPTIONS     Image: colspan="2">Intervention     OPTIONS     Intervention     OPTIONS     Intervention     Interventinterventinterementerementervention     <	1 <b>5</b>
ON/OFF VALVES   P-1182-REQ-IN-602     REV.   DESCRIPTION     SHEET 2 OF     DESCRIPTION     SHEET 2 OF     OPEOF WORK     Vendor's scope of work includes but not limited to the following iterequirements stated in the requisition and all its attachments.     1.1 GENERAL     MAIN QUOTATION   OPTIONS     Image:	= {
REV.   DESCRIPTION     1.   SCOPE OF WORK Vendor's scope of work includes but not limited to the following ite requirements stated in the requisition and all its attachments.     1.1   GENERAL     QUOTATION   OPTIONS     Image: Image	
REV.   DESCRIPTION     1.   SCOPE OF WORK Vendor's scope of work includes but not limited to the following ite requirements stated in the requisition and all its attachments.     1.1   GENERAL     Image: Comparison of the problem of the	
1.   SCOPE OF WORK Vendor's scope of work includes but not limited to the following ite requirements stated in the requisition and all its attachments.     1.1   GENERAL     MAIN QUOTATION   OPTIONS     Image: Comparison of the provided state of the provided	ems v
Vendor's scope of work includes but not limited to the following ite requirements stated in the requisition and all its attachments.     1.1   GENERAL     MAIN QUOTATION   OPTIONS     Image:	ems \
MAIN QUOTATION   OPTIONS     Image: Constraint of the state o	
QUOTATION   1.1.1   Design & Engineering     Image: Constraint of the system of the	
Image: Second Condition   1.1.2   Fabrication /Manufacturing     Image: Second Condition   1.1.3   Assembly     Image: Second Condition   1.1.4   Shop test and inspection	
Image: Constraint of the second se	
Interpretation   Image: Interpretation   Image: Interpretation	
■ 1.1.4 Shop test and inspection	
■ 1.1.6 Packing	
□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	
I 1 1 9 Mechanical guarantee (as nor terms and conditions)	
110 Derformance guarantee (as par terms and conditions)	
1.1.9 Performance guarantee(as per terms and conditions)	

<u> </u>			n <b>g</b> engineering Lurgi	2 <sup>nd</sup> ZAGROS MEGAMETHANOL PROJECT	OWNER :
	PETROCHEMIC		PROJ.NO:		ZAGROS PETROCHEMICAL COMPANY (ZPC)
PIDEC	DESIGN & ENG PROJ. NO.: 11	SINEERING CO.	1.69690-10-GEM	SUBSEQUENT SHEET	ترک ترم الم منظم منظمة منظمة منظمة المعالية الموضي والمع
REQUISIT	ION FOR :				ALWAYS REFER TO THIS NUMBER
			ON/OFF VALVES		P-1182-REQ-IN-605 4
					REQUISITION NO. REV.
					SHEET 3 OF 8
REV.			DESCRIPTIO	Ν	
	2.	SCOP	E OF SUPPLY		
				shall include but not limit	ed to the followings with all
				red according to this requ	uisition, its attachments and
		referer	ICES :		
	2.1 GE	NERAL			
	MAIN	OPTIONS			
			2.1.1 Items and quar	ntities as stated in the material su	ummarv list.
			•	or pre-commissioning and co	-
			2.1.3 Spare parts for	or two years operation	
			2.1.4 Special calibr	ation tools ( if any )	
			2.1.5 Test equipme	ent ( during shop test )	
			2.1.6 Name Plate (	s)	
			2.1.7 Documents a	s per the attached RFD ( req	uirements for documents) form
			2.1.8 Quality Dossi	er	
				· · · ·	uirements for documents) form

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Ê.	PETROCHEMICA	INDUSTRIES	PROJ.NO:	ering Lurgi	2 <sup>nd</sup> ZAGROS MEGAMETHANOL PROJECT		OWNER :		
PIDEC	DESIGN & ENGI		1.69690-10-G	SEM	SUBSEQUENT SHEET			ETROCHEN (ZPC)	/IICA
	PROJ. NO.: 118	2				ALWAYS F	PROJ. NO.		IMB
REQUISI	TION FOR :	(	ON/OFF VAL	VFS		P-1182-R			2
				120		REQUISI			RE
						SHEET 4		OF	8
REV.			DESC	RIPTION	l				
	2.2	MATER	IAL SUMMA		ST				
	SER NO	ITEM N	IO.		ITEM DESCRIPTION	QUANT		UN (m/kg/s	
	1				/ALVES AND ACCESSORIES DATA SHEETS)	42		SE	
	2		(	COMMIS	SIONING SPARES	AS PE ATTACH. I			
	NOTES	:							
Frame No	 0. 16/0 \1182\82REQ\6				CCC:IN				

-			mg engineering	2 <sup>nd</sup> ZAGROS MEGAMETHANOL			
=A=			Lurgi	PROJECT		OWNER :	
			PROJ.NO:			ZAGROS PETROCI COMPANY (ZPC)	HEMICAL
PIDEC	PROJ. NO.	ENGINEERING CO.	1.69690-10-GEM	SUBSEQUENT SHEET	مكركت فم مسلط يتوشيه	PROJ. NO. : 23200	00
REQUISIT					ALWAYS F	REFER TO THIS	NUMBER
			N/OFF VALVES		P-1182-R	EQ-IN-605	4
					REQUISI	TION NO.	REV.
					SHEET 5		8
REV.			DESCRIPTIC	DN			
	3.	REQUISI	<u>FION NOTES</u>				
	3.1			shall be given to minimize t ler to reduce the total am			
			wearing parts	of all components are			
	3.2			nout excessive vibration ar entire flow range.	nd noise. <sup>-</sup>	They shall	render
	3.3			ed and installed so that re	emoval of	the valve i	nternal
	3.4	All valves sha	II be capable of I	peing repacked without disa	assembling	the valve l	body.
	3.5	Valves shall b	e of the quick re	newable trim design where	ver practica	able.	
	3.6	valve. Acces be possible w	sories shall be	nt accessories that specifie assembled together in s ing disconnection (e.g. bolt ).	uch a wa	y that det	taching
	3.7	installation m		t documentation including e part list, size, type, s t.			
	3.8	recommended the evaluation If the noise le of the valve decibels (dBA the noise leve	d formula and ca n. evel, generated b within 1 meter N, vendor shall ir	valve for any predicted ne alculation methods. Vendor by an operating valve (mea radially from the pipe out nform the PIDEC and make ducing devices are accepta ta sheets.	r shall furn sured 1 m tside diam e recomme	nish the res eter down leter), exce ndation to	sults of stream eed 85 reduce
	3.9	Vendor to ir procedure.	nclude full docu	umentation for clears ind	ication of	noise rea	duction
	3.10	Vendor shall s the following:	ubmit final drawi	ings for each on/off valve, v	which shal	l specially i	include
		a) Face	to Face dimension	ons of the valve			
		b) Heigh	nt of the complete	ely assembled valve			
Eramo No	16/0			CCCIN			

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Î			m <b>g</b> engineering Lurgi		MEGAMETHANOL ROJECT		OWNER :	
PIDEC		ICAL INDUSTRIES	PROJ.NO: 1.69690-10-GEM	SUBSEO	UENT SHEET	<u> </u>	ZAGROS PETROCH COMPANY (ZPC)	EMICAL
$\sim$	PROJ. NO. :			SOBSLQ	OENT SHEET	متركب في سباع بتوثير	PROJ. NO. : 23200	
REQUISIT	ION FOR :							-
		O	N/OFF VALVES				EQ-IN-605	4
							ITION NO.	REV.
REV.			DESCRIPTIO	N		SHEET 6	OF	8
		c) Dimer	nsions of clearan	ce space re	equired for main	tenance w	ork	
		d) Weigł	nt of the complete	ely assembl	led valve			
		e) Locat	ion of external su	ipports for v	vibration, in case	e, they are	required.	
	3.11		II be designed to oon loss of air su		•	•	on the instr	ument
	3.12	ON/OFF VAL	/E position shall	be indicate	d on a scale mo	ounted on t	the actuator	•
	3.13		ors shall be size rument air supply	-	stroke the valv	ve based	upon a 4.0	) barg
-	3.14		test each valve t ted for that the v				d accessori	es are
	3.15	Seat leakage	tests shall be in a	accordance	with ANSI B 16	.104/FCI 7	70-2	
	3.16	Vendor shall o	consider the follow	wing points	:			
		Т	ube dimensions ube material and ube connection	d fitting	1/4 " Stainless steel Tapered comp	ression fitt	ing	
		Minimum instr	condition is press ument air pressu esign of instrume	ire is 7.5 ba	ira @ AMB temp	perature.		
	3.17	Vendor shall p air lock (where	provide pneumati e applicable)	c loop for s	atisfying fail safe	e by using	volume tan	k and
	3.18		sification for limit cally safe EEXia				id valves sh	all be
	3.19		check the specil on and where ap					
	3.20		elect the best triin (minimum mate					e and
Frame No. IN128:\F:\1		Q\605\PR \605REQ.I	DOC		CCC:IN			

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			m <b>g</b> engineering Lurgi	2 <sup>nd</sup> ZAGROS MEGAMETHANOL PROJECT	OWNER :
PIDEC	DESIGN & I	MICAL INDUSTRIES ENGINEERING CO.	PROJ.NO: 1.69690-10-GEM	SUBSEQUENT SHEET	ZAGROS PETROCHEMICAL COMPANY (ZPC) (Chirt Chard Chard Company) (ZPC) PROJ. NO. : 232000
REQUISIT					ALWAYS REFER TO THIS NUMBER
REQUISIT	ION FOR .		N/OFF VALVES		P-1182-REQ-IN-605 4
					REQUISITION NO. REV.
					SHEET 7 OF 8
REV.			DESCRIPTIO	Ν	
	3.21 3.22	temperature o	condition.	acking in respect of proces vices ON/OFF VALVE mat	s condition service and erial heat treatments shall
		be in accorda	nce with NACE M	/IR-0175 (specify on data s	sheet).
	3.23	P: persona	thickness of cod I protection nservation lated	es are:	
	3.24	Flange face fi	nishes that speci	fied in the data sheets sha	ll be as follows:
			125-250 μin AARI According TO MS		
-	3.25	Vendor shall and larger.	provide WITNES	SS HYDROSTATIC test fo	or all valves with class 300#
	3.26	Vendor shall	provide WITNES	S HYSTERESIS test for all	globe valves.
	3.27	conditions an must be cert qualification v	d all gaskets an ified by an offici with reference fro	d other non-metallic mate al organization. Vendor t om existing plants. Also a	ed for the given operating rials in contact with oxygen o show his experience and special cleaning procedure y shall be respected during
	3.28	All solenoids IP-65.	shall be 24 VDC	,intrinsically safe to EExia	IIC T4 and weather proof to
	3.29			eparate entries for each pr osition to both of ESD & F0	oximity switch's contact due CS systems.
			services the requestion struction detail.	ired closing time (<2 seco	nds)shall be
			dure shall be ba ISS-IN-605/REV.	ased on point 5 of mate 0".	erial standard

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	PETRO	CHEMICAL INDUSTRIES	m <b>g</b> engineering <i>Lurgi</i> PROJ.NO:	2 <sup>nd</sup> ZAGROS MEGAMETHANOL PROJECT		ER : ROS PETROCHEMIC PANY (ZPC)
DEC		I & ENGINEERING CO. NO. : 1182	1.69690-10-GEM	SUBSEQUENT SHEET	PRO. مَكْرُكْتُ أَنْ مُسْتَلَيْ يَتَوَثَّيْنَ	J. NO. : 232000
UISIT	ION FC	DR :			ALWAYS REFE	R TO THIS NUM
		C	N/OFF VALVES		P-1182-REQ-	IN-605
					REQUISITION	NO. R
v.			DESCRIPTIO	N	SHEET 8	OF 8
	4.	LIST OF	ATTACHMENTS			
	SER NO.	DES	CRIPTION	DOCUMENT NO	D. REV.	No. OF SHEET
	1	Instruction for t	echnical bids	-	1	2
	2	Letter Of Confo	rmity	-	1	1
	3	"Certificate of C	)rigin" Form	-	1	1
	4	Requirement F	or Documents (RF	D) -	1	3
	5	Scope Of Inspe	ection	-	1	1
	6	Spare Part list	orms	-	2	1
	7	Spare part list a record (SPIR)	and interchangeat		1	2
	8	Requirements I Certifications	For Electrical	-	1	1
	9	Ambient and Utility Data	Site Condition	and P-ESS-PR-101	1	16
	10	Units of measu	rement	P-ESS-PR-102	0	4
	11	Data sheets for	ON/OFF VALVES	6 P-1182-DSH-IN-6	05 2	45
	12	Specifications		P-MSS-IN 605	1	19

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