UIL & GA	SUEVELL	PIVILINI	CUMPAL	NY LIVILLE	
PRO	CUREMENT	DEPARTM	IENT, ISLA	MABAD	
	FOR	EIGN SECT	TION C		

ANNEXU

Material	PRESSURE SAFETY VALVES (FOR DAKHNI PLANT

Tender Enquiry No PROC-FC/CB/P&P/DKN-4714/2020

Due Date

. 1

Evaluation Criteria FULL

Destruction of the state of the second state of the

SCHEDULE OF REQUIREMENT

	Pressue safety Valve Type: Balanced Bellows, Direct Spring Operated; Inlet 4" Flange size 150# RF;Outlet 6" Flange size 150# RF;Body / Base: SS SA351-	Number	1
	CF8M; for complete detail see attached data sheet of 20–PSV–15.		
10020	Pressue safety Valve;; Type: Conventional, Direct Spring-Op;Balanced: No;Nozzle: Full;Bonnet: Closed;Inlet 2" Flanged. 600# RF Standard;Outlet 3" Flanged. 150# RF ASME B16.5 ;for complete detail see attached data sheet of 20-PSV-16.	Number	1
	Pressue safety Valve;; Type: Pilot-Op, Modulating, Non-Flowing Pilot;Balanced: Yes;Nozzle: Semi ;Bonnet: Closed ;Inlet 1" Flngd. 150# RF Standard;;for complete detail see attached data sheet of 100-PSV-15.	Number	1
	Pressue safety Valve;; Type: Type: Conventional, Direct Spring–Op;Safety / Relief: Safety;Balanced: No;Nozzle: Full ;Bonnet: Closed ;;CONNECTIONS;Inlet 3" Flanged. 300# RF;;for complete detail see attached data sheet of 911–PSV-11/12/13/14.	Number	4
	PRESSURE VACCUME VENT;;Size: 6" ;Type: Pipe Away ;Body Material: SS 316L ;Trim Material: SS316L ;Bolts & Nuts: SS316 ;;for complete detail see attached data sheet.	Number	1

Note: NOTE:- i- EVALUATION CRITERIA: FULL CONSIGNMENT WISE ON C&F BY SEA, KARACHI.3) BIDDERS ARE ADVISED THAT PAYMENT WILL BE MADE AS PER THE FOREIGN PROCUREMENT PAYMENT TERMS AVAILABLE AT OGDCL WEBSITE (TENDERS TAB) ii-BID VALIDITY : 180-DAYS iii-DELIVER PERIOD : 120-DAYS . BID BOND AMOUNT US\$ 1500/- O EQUIVELANT TO PAK RUPEES MUST BE SUBMITTED WITH THE TECHICAL BID .

Que will be processed on single-stage-Two envelop Biddig Procedure on per PPRA Rulus. - Master set of Tender Pocument (Foreign) is placed on OGDEL websilter

DETAIL OF INDENT # DKN-8089,

ITEM # 1

PRESSURE SAFETY VALVE(20-PSV-15);;Type: Balanced Bellows, Direct Spring Operated;Inlet 4" Flange size 150# RF;Outlet 6" Flange size 150# RF;Body / Base: SS SA351-CF8M;Bonnet / Cylinder: SS SA351-CF8M;Nozzle: 316 SST;Disc: 316 SST;Seat: Metal;Spindle: 316 SST;Guide: SS A297 Gr. HE;Spring:Inconel 750; Gaskets: 316 SST;Bellows: Inconel 625;Cap Type: Packed Lift Lever; DATA SHEET ATTACHED, ITEM # 2

PRESSURE SAFETY VALVE(20-PSV-16);; Type: Conventional, Direct Spring-Op ;Balanced: No ;Nozzle: Full;Bonnet: Closed ;Inlet 2" Flanged. 600# RF Standard;Outlet 3" Flanged. 150# RF ASME B16.5 ;Body / Base: SS SA351-CF8M;Bonnet / Cylinder: SS SA351-CF8M ;Nozzle: 316 SST ;Disc: 316 SST ;Seat: Metal ;Spindle: 316 SST

Guide: SS A297 Gr. HE;Spring: Inconel X750 ;Gaskets:316 SST ;Bellows: N/A ;Cap Type: Screwed ;Nace: Compliance;DATA SHEET ATTACHED ITEM # 3

PRESSURE SAFETY VALVE(100-PSV-15);;Type: Pilot-Op, Modulating, Non-Flowing Pilot;Balanced: Yes;Nozzle: Semi ;Bonnet: Closed ;Inlet 1" Flngd. 150# RF Standard;Outlet 2" Flngd. 150# RF ASME B16.5;; Material of construction for Main Valve;Body: SS SA351-CF8M;Cap: SS SA240-316;Trim: Stainless Steel;Seat: Viton;Seals: Viton ;;Material of construction for Pilot Valve;Body: SS A479-316;Trim & Spring: SST 17-7 & PH SST ; Seat: Viton;Seals: Viton ;Diaphragm: Viton ;Tubing: 316 SST;Fittings: SS CPI ;Nace Compliance : Yes;DATA SHEET ATTACHED

ITEM #4

PRESSURE SAFETY VALVE(911-PSV-11/12/13/14);;Valve Type: Conventional, Direct Spring-Op;Safety / Relief: Safety;Balanced: No;Nozzle: Full ;Bonnet: Closed ;;CONNECTIONS;Inlet 3" Flanged. 300# RF Standard ;Outlet 4" Flngd. 150# RF ASME B16.5 ;;MATERIALS OF CONSTRUCTION;Body / Base CS SA216-WCB/WCC;Bonnet / Cylinder CS SA216-WCB/WCC ;Nozzle 316 SST;Disc 316 SST ;Seat Metal ;Spindle 316 SST ;Guide SS A297 Gr. HE;Spring Chrome Steel - Corr. Rest ;Gaskets 316 SST;Bellows N/A ;Cap Type Screwed ;Nace: No;DATA SHEET ATTACHED

ITEM #5

PRESSURE VACCUME VENT;;Size: 6" ;Type: Pipe Away ;Body Material: SS 316L ;Trim Material: SS316L ;Bolts & Nuts: SS316 ;Gasket: Klingerite/Nitrile/PTFE ;End Connections: ANSI 150# B16.5 RF;Paint: Standard ;Set Pressure: 7.47" H2O ;Set Vacuum: -.83" H2O; NACE :yes; DATA SHEET ATTACHED

TERM AND CONDITION

1. Original Authority Letter for participation in the bid from OEM must be provided with technical bid.

2. In case of local representative, Original Authorization Letter from principle to participate in the bid should be provided with the technical bid.

3. Bidder must confirm that quoted PSV(PRESSURE SAFETY VALVE) are 100% fit in size and function for the SPECIFICATIONS mentioned by OGDCL. Country of origin with complete address of the factory to be provided in technical bid.

4. PSV must be in original OEM Packing.

5. PSV must be new & free from any defect.

6. If bidder found any change/update/superseded PSV it should be incorporated in bid.

7. PSV must have standard OEM warranty/guarantee.

8. Delivery period is 120 days from date of issuance of L/C.

9. Manufacturer company profiles, experience for supply of such PSV (i.e. Previous Purchase Orders) to be submitted along with technical bids. 10. Manufacturer must have the 20 years of manufacturing experience of such type of PSV.

11. Bidder should submit the complete compliance of above clauses duly signed and stamped.

AMIN ULLAH Dy. Chief Engr. i Mech.)

1			Valve	ID		影响的现在分词的影响	41	125		SIZING DAT		60. A.M	工 的 计 计
2	- Keevinsineen		20-PSV-15	200200020	KANDERS GRADE VAL	Salahan Selang Sala	42	12000	Design Code	ASME Section VI	the second se	Std.	API 520
3		Service	want the system where the bit is the second				43		Sizing Basis	· ····································	ked Dischar		
4		PID No.					44	-	luid State at Inlet	THE R. LT	Gas / Vapor		
5		Line No.				Quantity	45		Relieving Case		essure Relief	F	
6						1	46		id Properties	Contraction and the second	so an an an an	Aber 11	Conference and
7	the state of the	example close	GENE	RAL	On the Property of the	14. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	47	-	THE REPORT OF A DESCRIPTION OF A DESCRIP	Name	Switzensteinen Swi	et Ga	NERGANNAMONA 1.S
8	Construction of the second		Balanced Bell	100-100-100-2011	21/10/10/00 PM 10/20/20	Op	48	128		Weight, M	and the second second	8.62	
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12	Inlet	4"	and a strain of the state of th	150#	RF	Standard	52			instant, o	······································	03.0	
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14	Distance in		ERIALS OF C			Adme Dro.o	54						
15	PRODUCTION OF	Body / Ba	and the local data of the local data and the	I	SS SA351	CE8M	55						
16		Bonnet / Cyl			SS SA351	the summer summer and	56						
17	a 11.4 ar	Nozzle		2.8	316 S	or a sugged in has successful specially because	57				•••••••••••••••••		
18	· · · · · · · · · · · · · · · · · · ·	Disc			316 S	and the summer of the summer o	58						the second second
19		Seat						Carlo	Land Street St	THE REAL PROPERTY OF THE PROPERTY OF THE REAL PROPE		1	
20					Meta	the second second second	59	SIZ	ing Coefficients		Unit	077	· .
-		Spindle			316 SS		60	意		e K, Gas		975	in gradina
21		Guide			SS A297 (states where a subscription of the subscription of	61	and the second s	Kb	Kc	0.987	5	1
22		Spring			Inconel®		62						u u patrice sure
23		Gaskets			316 55		63			RENARD CREMENTATION AND STREET OF GROUPS			
24	1	Bellows			Inconel®	and the second second second second	64	Rec	uired Capacity	A Start Instanting a start of the start of t	Unit		lb/hr
25		Сар Туре	A second character with a second		Packed Lift		65		To	48113			
26		AR0175 / ISO	15156:2015		Yes		66	and a second	AND DESCRIPTION OF A DRIVE OF	THE REPORT OF THE PARTY OF THE	N 6.		
27	ries							Pre	ssures		Unit		psig
28	Accessories						68		MAWP	Operating			68
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33		Brand					73		Pressure	Variable Super	imposed		0
34	Area	Calculated		[3.802	4:340	74			Total		1	50
35	(in²)	Data Set			API	Ň	75	劉	Inlet		0		0%
36	-	Unit	Required	· · · · ·	lb/hr	48113	76		Atmospheric	(Barometric)	. 14.696	psia	
37	Flow		Maximun	וי		54920.677		Теп	iperatures		Unit	1	°F
38							78			Normal System			
39		and the second sec	en Discharge	_	312.02 0		79	No.	Operating	Relieving	116		105
40	Noise	Level (db), Op	pen Discharge		111.8 at	100-ft	80		Design Min	Design Max			
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Printed On: 2-Jan-2020

Data Sheet

PRV²SIZE Software Version pr7_20190927.1

Page:1

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1		in Valvi	ID 🗠 👘	a finer st		图 41	and the second	SIZING DAT	A	
2	Tag No.	20-PSV-16			4.1	42	Design Code	ASME Section V	III Sizing S	td. API5
3	Service			N 25		43	Sizing Basis	Bloc	ked Discharge	:
4	PID No.	and the second sec				44	Fluid State at Inle	t (Gas / Vapor	1.1
5	Line No.				Quantity	45	Relieving Case	Pr	essure Relief	
6					· 1	46	Hord Properties .			科学校 名(1)
7		GENE	RATE of		and the second second	a 47	Flu Flu	id Name	Swee	et Gas
8	Valve Type	Conventional,	Direct S	pring-Öp		48	Molecul	ar Weight, M	18	.62
9	Safety / Relief	Safety] ·	Balanced	No	49	Comp	ressibility, Z	0.	.84
10	Nozzle	Fall		Bonne	Closed	50	Ratio of Sp. 1	Heats, k (Cp / Cy)	1.	561
11		CONNEC	TIONS	大学家的	124年3月1日第	51	Gas C	Constant, C		9.5
12 Ink	et 2"	Flngd.	600#	RF	Standard	52				
13 Out	let 3"	Fingd.	150#	RF	ASME BI6.5	53				
14	NAT	ERIMESCOPIC	ONSTRU	ICTION	NATE OF A DES	54	a contraction of the second se			
15	Body / Ba	Construction of the second second	and the second se	SS SA351	-CF8M	55				
16	Bonnet / Cyl			SS SA351	I The home use is be set " the "reserve	56				
7	Nozzle			316 S		57				
18	Disc			316 S	Concerning and the particular second	58				
19	Seat			Meta	Witness and the second second second	59	Sizing Coefficients	and the second	Unit	-
20	Spindle			316 S		60		ive K, Gas)75
21	Guide			SS A297		61	Kb	Kc	1	1
22	Spring	a an - a man		Inconel®		62			****	
23	Gaskets	a . 1	1, 10, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	316 S	er efter er tre en	63	翩	-		
24	Bellows			N/A		64	Required Capacity	ACHIEVE AND	Unit	lb/hr
25	Cap Type	••••••		Screw		65	NDC/3	Fotal		830
	E MR0175 / ISO	A PACA T LENGT & STA. MIND & MA		Yes		66		Total	120	550
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4 Area				0.754	0.785	75	1-1-		0	
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7 Flow	·	Maximun) [· · · · · ·	75828,150	1 13	lein perutures		Unit	٩٣
8		1			· · · · · · · · · · · · · · · · · · ·	78		Normal System		
	action Force, Op			660.64		79	Operating	Relieving	106	150
	e Level (db), O	pen Discharge		120.5 a	t 100-ft	80	Design Min	Design Max		
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2	1	Tag N	o. 100-PSV-	15			42	Design Code	ASME Section	/III Sizing	Std. API 5
3		Servi	ce				43	Sizing Basis	Blo	ocked Dischar	ge
4		PID N	0.				44	Fluid State at Inle	t	Liquid	
5	-	Line N	0.			Quantity	45	Relieving Case		ressure Relie	f '.
6						1	-	Fluid Froperties	and a second sec	C.M. COLOR	14-36-50 - 27.04.
7	EUS SECOND	1.0.6.0.0	GE	NERAL		NOGE SCALE		Margaret .	id Name	l So	ur NGL
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12	Inlet	1"	Fingd.	150#		Standard	52	·			
13	Outlet	. 2"	Fingd.	150#		ASME B16.5				1. A	
14	和经济运行	M/	TERIALS O	FCONS	TRUCTION	的。在是一次以前的	54		- · · ·		
15			Bod	У	SS SA	A351-CF8M	55				
6			Car)	SS S	A240-316	56				
17	Mai Valv		Trin	1	Stain	less Steel	57				
18	Valv	-	Sea	t	1	/iton®	58				
19			Sea	S .	1	/iton®	59	Sizing Coefficients	and the second second	Unit	-
20			Bod			4479-316	60		ve K, Liquid		0.65
21			Trim	Spring	SST	17-7 PH SST	61	Kw	Kc	1	. 1
22	Pilo		Sea	where an observation of the second		/iton®	62	Ky	Kv (max)	0.968	0.995
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			to the set of the local division of			/iton®		yan Tur - Sanima ya Sanisa aya	distant internation	11-14	001/11
24			Diaphra			/iton®		Required Capacity	Contraction of the second s	Unit	GPM (US
25		bing	Fittings		SST	SS CPI	65		Total		28
26		tegral Sense	and the second se	NACE M	R0175 (2002)) Yes	66	up- Mari			
27	Pilot E	xhaust to I				-	1	Pressures		Unit	psig
28	Accessores Accessores	. Supply I	Filter				68	MAWP	Operating	v .	20
9	Sec						69	Set	CDTP	77	77
0	Ac						70	Over	Pressure	7.7	10%
1		SIZ 77 SIZ	ING / SELE	CTION S	UMMARY	Contraction of the second	71		Built-U	Jp	50
2		Model No.			4305F12/S/N		72	Back	Constant Sup	erimposed	. 0
3		rand				-	73	Pressure	Variable Supe		0
4	Area	Calculat	ted Sele	cted	0.030	0.307	74		Tota	the second s	50
5	(in²)	Data S			API	F	75	Inle	et Loss	0	0%
6	. (111)	Unit	Reg		GPM (US)	28	76	1100	ic (Barometric)	. 14.69	
-		Unit			GPW (03)		150	BARA .	surgery and the second s		°F
7	Flow	2.	Maxi	num		299,505	-	emperatures	and the second state of th	Unit	<u>ц</u> , г,
8			2	·			78		Normal System		
9	the state of the s	the second se	Open Discha			daN	79	Operating	Relieving	130	140
0	Noise L	evel (db),	Open Discha	rge	- N	/A	80	Design Min	Design Max		- 10 E.
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1.	The second second second second		911-PSV-11/	Prese Contraction Contraction of the Contraction of the			-	Design Orde			
	3	Service	In second contraction of the second	12/13		42		Design Code	ASME Section V		Std. API 520
-		President - Contraction and Address				43		Sizing Basis		Fire Case	
	<u> </u>	PID No.				44		Fluid State at Inlet	the strength and the second state in the international distance of the second second	Gas / Vapor	
	<u>i</u>	Line No.			Quantity	45	1000	Relieving Case	P	ressure Relief	
6	The same a large starting way			And the second	3.	46	Mend	ud Properties			的。在 外的时候
E	Descer and the second		GENÊ	Contraction of the second s		47		Fluid	Name	LPG	Vapor
.8		Contract of the Distance of the second second second second second	the summer water and state and state and states	Direct Spring-Op		48	廳	Molecula	r Weight, M		9.5
- 9		afety / Relief		Balanced	No	49		Compre	ssibility, Z	0.	974
1	0	Nozzle	and the second se		Closed	50	翻	Ratio of Sp. H	eats, k (Cp / Cv)	1.	130
1	1		CONNEC	TIONS		.51	影	Ģas Co	onstant, C	3	30
1:	2 Inlet	3"	Fingd,	300# RF	Standard	52				1.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1:	B Outlet	4."	Fingd.	150# RF	ASME B16.5	53					
14	1	MAT	ERIALS OF C	ONSTRUCTION	des se la segura	54					-
15	5	Body / Ba	sė	CS SA216-W	CB/WCC	55	- And		······································	-	
16	5	Bonnet / Cyli	nder	CS SA216-W	CB/WCC	56			N 1997		
17		Nozzle.	a contrast of an and a contrast of the second	316 S	ST	57					
18		Disc		316 S		58					
19		Seat	and the set of the set					i Ing Coefficients		Unit	-
20		Spindle	Teas - minister and a second	316 S		59 60	DIG:	Y	e K, Gas		975
21		Guide		SS A297 (61		Kb	Kc	1	1
22	1500 (ST	Spring		Chrome Steel -					<u> </u>		
23	2 2 4 4 8	Gaskets		316 St		62				***	
24		Bellows			51	63	東京 本				
25				N/A		64	Ke.	quired Capacity		Unit	lb/hr
26	NACEN	Cap Type R0175 / ISO	to when manual the intervent	Screw	90	65	發	10	otal	4013	25.90
	·]	KU1757150	10100:2010	No		66	题.	SOLUTION STATISTICS AND INCOMENDATION	CONTRACTOR ADVICTOR OF THE OWNER		
27		ಟ್ ಕೃತ ಹ			an a	67	Pre	ssures en stat	周期的最高级。 1991年1月1日 1993年1月1日 1	Unit	psig
28	SS					68	墨,	MAWP	Operating		160
29	Accessories					69	影	Set	CDTP	265	260.00
30		et any is a Quicture and this	CACUMUS DAYS INC. IN CONTRACTOR		and the local standard and the local	70		· Over P	ressure	55.65	21%
31	和新聞的影響	Contraction of the State of the State	IG //SELECTIO	N SUMMARY		71		•	Built-U		16.80
32		Model No.		3K4JOS-E35S4	/	72	語	Back	Constant Supe	rimposed	5.
33		Brand		· · · · · · · · · · · · · · · · · · ·		73		Pressure	Variable Supe	rimposed	0
34	Area	Calculated	Selected	1.299	1.838	74			. Total		21.8
35	(in²)	Data Set	Orifice	API	ĸ	75		Inlet		0 ·	0%
36		Unit	Required	lb/hr	40125.90	76		Atmospheric	(Barometric)	14.696	psia
37	Flow		Maximum		56790.057	77	Ter	nperatures		Unit	۴F
38				5 - 68 M 547		78			Normal System	-	
39	Reacti	on Force, Op	en Discharge	256.44	daN	79		Operating	Relieving	115	160
40			en Discharge	111.3 at		80		Design Min	Design Max		
開催	1. Based o	n the given F	ressure/Temp	erature 150# inlet f	lange is suitab	e bu	it 30	00# is offered	A	1	12
	based on i	dients require	ement.			1 E			6.13	- marine	
Sec.				1 N.			16		B	. 1	, A
ote				STC	ē.				E .⊆ 6.38	0 C)	
Z	E.		5 (s)	16 a G	2		19		C C	*	
門			, e ^e	9 _{5 a} a	6 K			-	29.75		
<u>.</u> Tag Notes		3 [°]	840						E A 6.13 B 6.38 C 29.75 Weight	1/	714
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CANCILL								1	(28)/01 111		

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Client:	Oil & Gas Devel			11-1-01-0	
Project:		nt Instrument Upgradation	Unit:	Hot Oil System	
Tag No .:	830-PVSV-01		Order No.:	·	
Ref. P & ID No:	2310-PB-2075 (Sh. 2 of 2)	Quantity .:	1	
DESIGN DATA:					
TYPE:	Pressure / Vacu	um Safety Valve			** .
INSTALLATION:	Top Mounted				
MATERIALS : N	ote-04	1			
Body:		SS 316 L (VTC)	Spring:	VTA	· · ·
Seat/Guide p	ost/ Disc:	SS 316 L (VTC)	Stern:	SS 316 L (VT	C)
Cover:		SS 316 L (VTC)	Retention C	Party of the local day	The second s
Rating & Fac	sing:	ANSI 150 & RF (VTC)			
					1.2
ADDITIONAL INFO	DRMATION :				
-3					
					14 A A A A A A A A A A A A A A A A A A A
APPLICATION DA	TA:				
Fluid Medium	Hot Oil	Fluid MW2		Fluid Boiling Point (°C) _	
. Fluid Medium . Tank Capacity (<u>Hot Oil</u> (m ³) <u>127.2</u>	Tank Design Pressure	236.4 ATM Insulation thickness	Tank Design Vacuum	 1 in.H ₂ O Guage face area
 Fluid Medium Tank Capacity (Tank Insulated 	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> insula	Tank Design Pressure	ATM	Tank Design Vacuum	1 in.H ₂ O Guage
 Fluid Medium Tank Capacity (Tank Insulated Max. Filling Rate 	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> Insula e (m ³ /hr) <u>22</u>	Tank Design Pressure	ATM	Tank Design Vacuum	1 in.H ₂ O Guage
 Fluid Medium Tank Capacity (Tank Insulated Max. Filling Rate 	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> Insula e (m ³ /hr) <u>22</u>	Tank Design Pressure	ATM	Tank Design Vacuum	1 in.H ₂ O Guage
 Fluid Medium Tank Capacity (Tank Insulated Max. Filling Rate Tank Blanketing 	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> insula e (m ³ /hr) <u>22</u> g Medium	Tank Design Pressure	<u>ATM</u> Insulation thickness tying Rate (m ³ /hr)	Tank Design Vacuum	1 in.H ₂ O Guag ace area
 Fluid Medium Tank Capacity (Tank Insulated Max. Filling Rate Tank Blanketing Temperature Op 	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> insula e (m ³ /hr) <u>22</u> g Medium perating/ Max. (°C	Tank Design Pressure tion type7 Maximum Empt	<u>ATM</u> Insulation thickness tying Rate (m ³ /hr) Operating Pre	Tank Design Vacuum Ins. Suri	<u>1 in.H₂O Guag</u> face area <u>O Guage</u>
 Fluid Medium Tank Capacity (Tank Insulated Max. Filling Rate Tank Blanketing Temperature Op Pressure Setting 	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> insula e (m ³ /hr) <u>22</u> g Medium <u>22</u> g Medium <u>22</u> g medium <u>22</u> g <u>7.47 in.H₂O (</u>	Tank Design Pressure tion type7 Maximum Empt Nitrogen)230 / 324	<u>ATM</u> Insulation thickness tying Rate (m ³ /hr) Operating Pre	Tank Design Vacuum Ins. Surf22.7	<u>1 in.H₂O Guage</u> sig) <u>0</u>
 Fluid Medium Tank Capacity (Tank Insulated Max. Filling Rate Tank Blanketing Temperature Op Pressure Setting Calculated Total 	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> Insula e (m ³ /hr) <u>22</u> g Medium <u>22</u> g Medium <u>22</u> g medium <u>22</u> g <u>7.47 in.H₂O (l out breathing (No</u>	Tank Design Pressure tion type7 Maximum Empt Nitrogen)230 / 324 Guage Vacuum Setting <u>-0.83 in</u>	<u>ATM</u> Insulation thickness tying Rate (m ³ /hr) Operating Pre <u>h.H₂O Guage</u> Calculated total Ir	Tank Design Vacuum Ins. Surf22.7 essure/Max <u>6.92 in.H₂</u> Max. Back Pressure (p	<u>1 in.H₂O Guage</u> face area <u>-</u> <u>O Guage</u> sig) <u>0</u> 4.063 (VTC)
 Fluid Medium Tank Capacity (Tank Insulated Max. Filling Rate Tank Blanketing Tank Blanketing Temperature Op Pressure Setting Calculated Total 	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> Insula e (m ³ /hr) <u>22</u> g Medium <u>22</u> g Medium <u>22</u> g medium <u>22</u> g <u>7.47 in.H₂O (l out breathing (No</u>	Tank Design Pressure tion type <u>.7</u> Maximum Empt <u>Nitrogen</u>) <u>230 / 324</u> <u>Guage Vacuum Setting -0.83 in</u> m ³ /hr)121.702 (VTC)	<u>ATM</u> Insulation thickness tying Rate (m ³ /hr) Operating Pre <u>h.H₂O Guage</u> Calculated total Ir	Tank Design Vacuum Ins. Surf Ins. Surf essure/Max <u>6.92 in.H₂</u> Max. Back Pressure (p n breathing (Nm ³ /hr) <u>3</u>	<u>1 in.H₂O Guage</u> face area <u>-</u> <u>O Guage</u> sig) <u>0</u> 4.063 (VTC)
 Fluid Medium Tank Capacity (Tank Insulated Max. Filling Rate Tank Blanketing Tank Blanketing Temperature Op Pressure Setting Calculated Total 	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> Insula e (m ³ /hr) <u>22</u> g Medium <u>22</u> g Medium <u>22</u> g medium <u>22</u> g <u>7.47 in.H₂O (l out breathing (No</u>	Tank Design Pressure tion type <u>.7</u> Maximum Empt <u>Nitrogen</u>) <u>230 / 324</u> <u>Guage Vacuum Setting -0.83 in</u> m ³ /hr)121.702 (VTC)	<u>ATM</u> Insulation thickness tying Rate (m ³ /hr) Operating Pre <u>h.H₂O Guage</u> Calculated total Ir	Tank Design Vacuum Ins. Surf Ins. Surf essure/Max <u>6.92 in.H₂</u> Max. Back Pressure (p n breathing (Nm ³ /hr) <u>3</u>	<u>1 in.H₂O Guage</u> face area <u>-</u> <u>O Guage</u> sig) <u>0</u> 4.063 (VTC)
 Pressure Setting Calculated Total Size of PVSV (I 	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> Insula e (m ³ /hr) <u>22</u> g Medium <u>22</u> g Medium <u>22</u> g medium <u>22</u> g <u>7.47 in.H₂O (l out breathing (No</u>	Tank Design Pressure tion type <u>.7</u> Maximum Empt <u>Nitrogen</u>) <u>230 / 324</u> <u>Guage Vacuum Setting -0.83 in</u> m ³ /hr)121.702 (VTC)	<u>ATM</u> Insulation thickness tying Rate (m ³ /hr) Operating Pre <u>h.H₂O Guage</u> Calculated total Ir	Tank Design Vacuum Ins. Surf Ins. Surf essure/Max <u>6.92 in.H₂</u> Max. Back Pressure (p n breathing (Nm ³ /hr) <u>3</u>	<u>1 in.H₂O Guage</u> face area <u>-</u> <u>O Guage</u> sig) <u>0</u> 4.063 (VTC)
	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> Insula e (m ³ /hr) <u>22</u> g Medium <u>22</u> g Medium <u>22</u> g Medium <u>22</u> g medium <u>22</u> g 0 Medium <u>22</u> g 1 out breathing (No In/Out) <u>VTA</u>	Tank Design Pressure tion type <u>.7</u> Maximum Empt <u>Nitrogen</u>) <u>230 / 324</u> <u>Guage Vacuum Setting -0.83 in</u> m ³ /hr)121.702 (VTC)	<u>ATM</u> Insulation thickness tying Rate (m ³ /hr) Operating Pre <u>h.H₂O Guage</u> Calculated total Ir	Tank Design Vacuum Ins. Surf Ins. Surf essure/Max <u>6.92 in.H₂</u> Max. Back Pressure (p n breathing (Nm ³ /hr) <u>3</u>	<u>1 in.H₂O Guage</u> face area <u>-</u> <u>O Guage</u> sig) <u>0</u> 4.063 (VTC)
	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> Insula e (m ³ /hr) <u>22</u> g Medium <u>22</u> g Medium <u>22</u> g Medium <u>22</u> g Medium <u>22</u> g 0 Medium <u>22</u> g 0 Medium <u>22</u> g 1 out breathing (No In/Out) <u>VTA</u>	Tank Design Pressure tion type <u>.7</u> Maximum Empt <u>Nitrogen</u>) <u>230 / 324</u> <u>Guage Vacuum Setting -0.83 in</u> m ³ /hr)121.702 (VTC)	<u>ATM</u> Insulation thickness tying Rate (m ³ /hr) Operating Pre <u>h.H₂O Guage</u> Calculated total Ir	Tank Design Vacuum Ins. Surf Ins. Surf essure/Max <u>6.92 in.H₂</u> Max. Back Pressure (p n breathing (Nm ³ /hr) <u>3</u>	<u>1 in.H₂O Guage</u> face area <u>-</u> <u>O Guage</u> sig) <u>0</u> 4.063 (VTC)
	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> Insula e (m ³ /hr) <u>22</u> g Medium <u>22</u> g Me	Tank Design Pressure tion type	<u>ATM</u> Insulation thickness tying Rate (m ³ /hr) Operating Pre <u>h.H₂O Guage</u> Calculated total Ir <u>A</u> Flame	Tank Design Vacuum Ins. Surf Ins. Surf essure/Max <u>6.92 in.H₂</u> Max. Back Pressure (p n breathing (Nm ³ /hr) <u>3</u>	<u>1 in.H₂O Guage</u> face area <u>-</u> <u>O Guage</u> sig) <u>0</u> 4.063 (VTC)
	<u>Hot Oil</u> (m ³) <u>127.2</u> <u>No</u> insula e (m ³ /hr) <u>22</u> g Medium <u>22</u> g Me	Tank Design Pressure tion type <u>.7</u> Maximum Empt <u>Nitrogen</u>) <u>230 / 324</u> <u>Guage Vacuum Setting -0.83 in</u> m ³ /hr)121.702 (VTC)	<u>ATM</u> Insulation thickness tying Rate (m ³ /hr) Operating Pre <u>h.H₂O Guage</u> Calculated total Ir <u>A</u> Flame	Tank Design Vacuum Ins. Surf Ins. Surf essure/Max <u>6.92 in.H₂</u> Max. Back Pressure (p n breathing (Nm ³ /hr) <u>3</u>	<u>1 in.H₂O Guage</u> face area <u>-</u> <u>O Guage</u> sig) <u>0</u> 4.063 (VTC)

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<u>Tender Enquiry No.PROC-FC/CB/P&P/DKN-4714/2020</u> <u>Pressure Safety Valves (For Dakhni Plant)</u>

TERMS & CONDITIONS:

- 1. Parts must be in original OEM Packing.
- 2. Parts must be new & free from any defect.
- 3. If bidder found any ambiguity in part nos., it should be cleared prior to bid submission.
- 4. Parts must have standard OEM warranty/guarantee as per tender requirement.
- 5. In case of equivalent items or superseded part number, 100 % replacement with same fits & tolerances is required. Bidder must provide the literature, relevant documents to prove that supplied item is exact replacement of part mentioned in SOR.
- 6. Delivery period must not exceed 120-150 days.
- 7. Certificate of incorporation
- Fair price certificate showing name / designation / contact detail of the person signing it must be submitted with the bid.
- BID VALIDITY: Bid shall remain valid for a period of 210-days from the date opening of bid.
- 10. **PAYMENT TERMS:** Payment will be made as per the foreign procurement payment terms available at OGDCL website (tenders tab) effective from February 27, 2018.

Payment in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C)

- a) 70 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents.
- b) 30% Payment will be released after receipt, inspection and acceptance of material.
- 11. EVALUATION CRITERIA: FULL CONSIGNMENT WISE ON CFR KARACHI BY SEA BASIS.
- TERMS AND CONDITIONS: BIDDER IS ADVISED TO CAREFULLY READ ALL THE TERMS AND CONDITIONS OF THE TENDER DOCUMENT AVAILABLE AT OGDCL WEBSITE as "Master Set of Tender Documents - Proprietary Mode of Procurement (Foreign)".
- 13. SHIPMENT FROM ACU MEMBER COUNTRIES: IN CASE OF SHIPMENT FROM ACU MEMBER COUNTRIES, THE LC BENEFICIARY SHOULD BE OF THAT PARTICULAR COUNTRY FROM WHERE THE CONSIGNMENT IS BEING SHIPPED. BIDDER TO CONFIRM/ENSURE THAT THERE ARE NO TRADE BAN/RESTRICATIONS ON LC BENEFICIARY/MANUFACTURER'S COUNTRY BY PAKISTAN / INTERNATIONAL ORGANIZATION.