Ship To

2002 Branch/Plant **Order Date** 30/03/2019 **Request Date** 16/02/2020

Freight Handling

#### **Delivery Instructions**

General Description 1	030054	Type & Description : Globe valve, loose disc, OS&Y, rising hand wheel, bolted bonnet and gland, with a back
		seat bushing permitting repacking with the valve fully open.
		Code of construction : ASME B16.34
		Body material : Carbon steel to "ASTM" A-216 GR.WCB
		Trim material : "ASTM" A-182 GR.F6 (13%Cr)
		Stud& nut material : "ASTM" A193B7, A 194-2H
		Threaded to ANSI B1.1
		Ends : Flanged raised face 125 RMS Drilled to ANSI B-16.5
		Face to face dimensions : in accordance with ANSI B16.10
		Rating : 150 #
		Requirements:
		A- Material used for valve construction shall be brand new and shall meet the requirements of latest "ASTM", "ASME" boiler and pressure vessel code applications.
		B- The minimum wall thickness shall be not less than values defined
		in API 600-latest edition and ASME B16.34.
		C- The end flanges shall be cast with the body. Flanges attached by welding are not acceptable.
		D- Cross-sectional drawing for each valve type and size including material list shall be enclosed with supplier quotation.
		E- Confirmation of compliance with Hydrogen Sulfide service according to ANCE MR01-75.
		Certification required:

Mill test certificate and to(EN 10204 3.1)shall be provided for each valve and shall include the

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#### Jordan Petroleum Refinery Company

#### **Quote Order**

following tests::       1. Hydrostatic test and leakage test in accordance with API 598 -latest edition         2. Mechanical properties and chemical analysis for body and bonnet material.       3. Conformity of valve components with NACE MR01-75.         General Description 2	Ordere Quanti	Drawing Number	Part Number	Description		VOCAB Number	_ine No
2- Mechanical properties and chemical analysis for body and bonnet material. 3 - Conformity of valve components with NACE MR01-75. 			lition	akage test in accordance with API 598 -latest e	_		
3- Conformity of valve components with NACE MR01-75.				-			
1 030C032106 &6" GLOBE VALVE.A216-WCB,150# FLANGED R.F General Description 1 030013 TYPE & DESCRIPTION : GATE VALVE, SOLID WEDGE, OS&Y, RISI- NG STEM, BOLTED BONNET AND GLAND, WITH A BACK SEAT BUSHING PERMITTING REPACKING WITH THE VALVE FULLY OPEN, ACCORDING TO B.S. 2995. BODY MATERIAL : ALLOY STEEL TO "ASTM" A-182-F5 TRIM MATERIAL : FORGED ALLOY TO "ASTM" A-182-F6 (13%CR.) STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 #							
1 030C032106 && GLOBE VALVE,A216-WCB,150# FLANGED R.F General Description 1 030013 TYPE & DESCRIPTION : GATE VALVE, SOLID WEDGE, OS&Y, RISI- NG STEM, BOLTED BONNET AND GLAND, WITH A BACK SEAT BUSHING PERMITTING REPACKING WITH THE VALVE FULLY OPEN, ACCORDING TO B.S. 2995. BODY MATERIAL : ALLOY STEEL TO "ASTM" A-182-F6 (13%CR.) STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 #							
General Description 1       030013       TYPE & DESCRIPTION : GATE VALVE, SOLID         WEDGE, OS&Y, RISI-       NG STEM, BOLTED         BONNET AND GLAND,       WITH A BACK SEAT         BUSHING PERMITTING       REPACKING WITH THE         VALVE FULLY OPEN,       ACCORDING TO B.S.         2995       BODY MATERIAL         BODY MATERIAL       : ALLOY STEEL TO         "ASTIM" A-182-F5         TRIM MATERIAL       : FORGED ALLOY TO         "ASTIM" A-182-F6         (13%CR.)         STUDS MATERIAL       : "ASTM" A-193-B7         ENDS       : SOCKET WELD         RATING       : 800 #						al Description 2	Genera
WEDGE, OS&Y, RISI- NG STEM, BOLTED BONNET AND GLAND, WITH A BACK SEAT BUSHING PERMITTING REPACKING WITH THE VALVE FULLY OPEN, ACCORDING TO B.S. 2995 . BODY MATERIAL : ALLOY STEEL TO "ASTM" A-182-F5 TRIM MATERIAL : FORGED ALLOY TO "ASTM" A-182-F6 (13%CR.) STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 #				FLANGED R.F	5" GLOBE VALVE,A216-WCB,150#	30C032106 &6" G	1 03
NG STEM, BOLTED BONNET AND GLAND, WITH A BACK SEAT BUSHING PERMITING REPACKING WITH THE VALVE FULLY OPEN, ACCORDING TO B.S. 2995 . BODY MATERIAL : ALLOY STEEL TO "ASTM" A-182-F5 TRIM MATERIAL : FORGED ALLOY TO "ASTM" A-182-F6 (13%CR.) STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 #						al Description 1 0300	Genera
WITH A BACK SEAT BUSHING PERMITTING REPACKING WITH THE VALVE FULLY OPEN, ACCORDING TO B.S. 2995 . BODY MATERIAL : ALLOY STEEL TO "ASTM" A-182-F5 TRIM MATERIAL : FORGED ALLOY TO "ASTM" A-182-F6 (13%CR.) STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 #				BOLTED	NG STEM, B		
BUSHING PERMITTING REPACKING WITH THE VALVE FULLY OPEN, ACCORDING TO B.S. 2995. BODY MATERIAL : ALLOY STEEL TO "ASTM" A-182-F5 TRIM MATERIAL : FORGED ALLOY TO "ASTM" A-182-F6 (13%CR.) STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 # 							
VALVE FULLY OPEN, ACCORDING TO B.S. 2995 . BODY MATERIAL : ALLOY STEEL TO "ASTM" A-182-F5 TRIM MATERIAL : FORGED ALLOY TO "ASTM" A-182-F6 (13%CR.) STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 #				PERMITTING	BUSHING P		
ACCORDING TO B.S. 2995 . BODY MATERIAL : ALLOY STEEL TO "ASTM" A-182-F5 TRIM MATERIAL : FORGED ALLOY TO "ASTM" A-182-F6 (13%CR.) STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 #							
BODY MATERIAL : ALLOY STEEL TO "ASTM" A-182-F5 TRIM MATERIAL : FORGED ALLOY TO "ASTM" A-182-F6 (13%CR.) STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 #							
"ASTM" A-182-F5 TRIM MATERIAL : FORGED ALLOY TO "ASTM" A-182-F6 (13%CR.) STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 # 							
"ASTM" A-182-F6 (13%CR.) STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 # 							
(13%CR.) STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 # 							
STUDS MATERIAL : "ASTM" A-193-B7 ENDS : SOCKET WELD RATING : 800 # 				82-F0			
RATING : 800 #					STUDS MATERIAL : "A		
				TWELD			
General Description 2							
						al Description 2	Genera

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#### Order Number 19000171 000 OQ

 Supplier Offer
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 Unit
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 Currency Code
 Order No
 Type LineNo

1.000 EA \_\_\_\_\_

19000080 OR 1

4.000 EA

19000080 OR

2

#### Jordan Petroleum Refinery Company

#### **Quote Order**

Line	VOCAB		Description	Part	Drawing	Ordered
No.	Number			Number	Number	Quantity
			bonnet and gland, with a back			
			ting repacking with the			
		valve fully open.				
			: ASME B16.34			
		Body material	: Carbon steel to "ASTM" A-216 GR.WCB			
			: "ASTM" A-182 GR.F6 (13%Cr)			
		Stud& nut material Threaded to A	: "ASTM" A193B7, A 194-2H			
			sed face 125 RMS Drilled to ANSI B-16.5			
		•	s : in accordance with ANSI B16.10			
		Rating : 150 #				
		Requirements:				
				I most the requirements of latest		
			ve construction shall be brand new and shall and pressure vessel code applications.	i meet the requirements of latest		
			ckness shall be not less than values defined	b		
		in API 600-latest edition	and ASME B16.34.			
		C- The end flanges shal	l be cast with the body. Flanges attached by	v welding are not acceptable.		
		D- Cross-sectional draw with supplier quotation.	ing for each valve type and size including m	aterial list shall be enclosed		
		E- Confirmation of comp to ANCE MR01-75.	liance with Hydrogen Sulfide service accord	ding		
		Certification required:				
		Mill test certificate and to	o(EN 10204 3.1)shall be provided for each v	valve and shall include the		
		following tests:-				
		1- Hydrostatic test and le	eakage test in accordance with API 598 -late	est edition		
		2- Mechanical properties	s and chemical analysis for body and bonne	t material.		
			omponents with NACE MR01-75.			

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#### Order Number 19000171 000 OQ

Supplier Offer Supplier Offer Original Orig Unit Unit Price Currency Code Order No Type LineNo

Line No.	VOCAB Number			Description	Part Number	Drawing Number	Orderec Quantity
3 (	030C032104	4" GLOBE	EVALVE,A216-WCB,150#	# FLANGED R.F			
Gene	ral Description 1	030056	Face to face dimension Rating : 300 # Requirements:	: Globe valve, loose disc, OS&Y, rising hand wheel, bolted bonnet and gland, with a back seat bushing permitting repacking with the valve fully open . : ASME B16.34 : Carbon steel to "ASTM" A-216-WCB : "ASTM" A-182-F6 (13%Cr.) . : "ASTM" A193B7, A 194-2H Threaded to ANSI B1.1 hised face 125 RMS, drilled to ANSI B-16.5 ons : in accordance with ANSI B16.10			
			"ASTM", "ASME" boil B- The minimum wall	alve construction shall be brand new and s er and pressure vessel code applications. thickness shall be not less than values defi on and ASME B16.34.	·		
			C- The end flanges sl	hall be cast with the body. Flanges attached	d by welding are not acceptable.		
			D- Cross-sectional dra with supplier quotation	awing for each valve type and size includin n.	g material list shall be enclosed		
			E- Confirmation of co	mpliance with Hydrogen Sulfide service.			
			Certification required:				
			following tests:-	d test report shall be provided for each valv d leakage test in accordance with API 598			
			2- Mechanical proper	ties and chemical analysis for body and bo	nnet material.		

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 Supplier Offer
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 tity
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 Unit Price
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 19000080 OR
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Line VOCAB No. Number		Description	Part Number	Drawing Number	Ordered Quantity
			Number	Number	Quantity
General Description 2	2				
4 030C034103	&3" GLOE	BE VALVE,A216-WCB,300# FLANGED R.F			:
General Description	1 030060	Type & Description : Globe valve, loose disc, OS&Y, rising hand wheel, bolted bonnet and gland,			
		with a back seat bushing permitting			
		repacking with the valve fully open .			
		Code of construction : ASME B16.34			
		Body material: Carbon steel to "ASTM" A-105-11Trim material: "ASTM" A-182-F6 (13%cr.) .			
		Stud& nut material : "ASTM" A193B7, A 194-2H			
		Threaded to ANSI B1.1			
		Ends : socket welded, drilled to ANSI B16			
		Face to face dimensions : in accordance with A	ANSI B16.10		
		Rating : 800 # Requirements:			
		A- Material used for valve construction shall be brand new and "ASTM", "ASME" boiler and pressure vessel code applications. B- The minimum wall thickness shall be not less than values de		t	
		in API 600-latest edition and ASME B16.34. C- Cross-sectional drawing for each valve type and size includi	ing material list shall be enclosed		
		with supplier quotation.			
		D- Confirmation of compliance with Hydrogen Sulfide service.			
		Certification required:			
		Mill test certificate and test report shall be provided for each va following tests:-			
		<ol> <li>Hydrostatic test and leakage test in accordance with API 598</li> <li>Mechanical properties and chemical analysis for body and b</li> </ol>			
			-		
General Description 2	2				

5 030C036777 1.1/2" GLOBE VALVE, A105, 800#,S.WELD

# Supplier Offer Supplier Offer Original Orig Unit Unit Price Currency Code Order No Type LineNo

2.000 EA \_\_\_\_\_\_ 19000080 OR 4

Line VOCAE		Description	Part Number	Drawing Number	Ordered Quantity		upplier Offer Original Orig urrency Code Order No Type LineN
6 030C036782	1/2" GLOBE VALVE, A105,	800#,S.WELD			10.00	0 EA	19000080 OR
General Descripti	Cod Body material Trim material Ball material Stud material Ends Rating Requirements: 	e of construction : ASME B16.34 : Forged Carbon steel to "ASTM" A-105-11 : ASTM A-182 GR.F6 (13%Cr) : ASTM A-182 GR.F316 (17%Cr) : ASTM A193 B7, threaded to ANSI B1.1 : Screwed female NPT to ANSI B1.20.1. : 600 # 	meet the requirements of latest				
	Certification require  Mill test certificate a following tests:- 1- Hydrostatic test a	compliance with Hydrogen Sulfide service. ed: and test report shall be provided for each valve a and leakage test in accordance with API 598 -late erties and chemical analysis for body and bonne	est edition				
General Descripti	on 2 1/2" CHECK VALVE A105GR-2,	600#,SCRD.FEM			1.00	0 EA	19000080 OR
General Descripti	Code of constructio Body material trim material Stud& nut material	bolted bonnet, bolted gland with a back seat bus permitting repacking with the valve fully open. on : ASME B16.34 : Forged carbon steel to "ASTM" A-105 Grad : "ASTM" A-182 GR.F6	shing				

lo.	VOCAB Number		Description	Part Number	Drawing Number	Ordered Quantity
<u> </u>	Number	Requirements:		Number	Number	Quantity
			r valve construction shall be brand new a oiler and pressure vessel code applicatio	-	itest	
			all thickness shall be not less than values dition and ASME B16.34.	defined		
		C- Cross-sectional with supplier quota	drawing for each valve type and size incl tion.	uding material list shall be enclosed		
		D- Confirmation of	compliance with Hydrogen Sulfide service	е.		
		Certification require	ed:			
		following tests:-	and test report shall be provided for each and leakage test in accordance with API !			
		2- Mechanical prop	perties and chemical analysis for body and	d bonnet material.		
Genera	al Description 2					
8 03	31C035786	1/4" GLOBE	VALVE,A105,800# ,S.WELD			6.0
	31C035786 al Description 1		VALVE,A105,800# ,S.WELD TION : SWING CHECK, BOLTED BONNI	ET		6.0
			TION : SWING CHECK, BOLTED BONN : CAST ALLOY STEEL TO	ET		6.0
		030001 TYPE & DESCRIP BODY MATERIAL	TION : SWING CHECK, BOLTED BONN : CAST ALLOY STEEL TO "ASTM" A217/A217M-02 Gr.C5	ET		6.0
		030001 TYPE & DESCRIP BODY MATERIAL TRIM MATERIAL	TION : SWING CHECK, BOLTED BONN : CAST ALLOY STEEL TO "ASTM" A217/A217M-02 Gr.C5 : "ASTM" A182/A182M-02 Gr.F6	ET		6.0
		030001 TYPE & DESCRIP BODY MATERIAL TRIM MATERIAL STUD MATERIAL	TION : SWING CHECK, BOLTED BONN : CAST ALLOY STEEL TO "ASTM" A217/A217M-02 Gr.C5 : "ASTM" A182/A182M-02 Gr.F6 : "ASTM" A193/A193M-03 Gr B7			6.0
		030001 TYPE & DESCRIP BODY MATERIAL TRIM MATERIAL	TION : SWING CHECK, BOLTED BONN : CAST ALLOY STEEL TO "ASTM" A217/A217M-02 Gr.C5 : "ASTM" A182/A182M-02 Gr.F6			6.0
		030001 TYPE & DESCRIP BODY MATERIAL TRIM MATERIAL STUD MATERIAL	TION : SWING CHECK, BOLTED BONN : CAST ALLOY STEEL TO "ASTM" A217/A217M-02 Gr.C5 : "ASTM" A182/A182M-02 Gr.F6 : "ASTM" A193/A193M-03 Gr B7 : FLANGED RAISED FACE. 125 RMS			6.0

Supplier Offer Supplier Offer Original Orig Unit Unit Price Currency Code Order No Type LineNo

6.000 EA \_\_\_\_\_

19000080 OR 8

Line No.	VOCAB Number			Description	Part Number	Drawing Number	Ordere Quantii
9	032A014106	&6" SWIN	G CHECK	VALVE,A217-C5,300# FL.R.F			
Ge	neral Description 1	030006	bolted bonnet, b seat bushing pe the valve fully of Code of construct Body material Trim material Stud & nut material Threaded t Ends : Flanged ra Face to face dimen Rating Requirements: 	tion : ASME B16.34 : Cast alloy steel To "ASTM" A 217 CS : A 182 F 316 : "ASTM" A193B7, A 194-2H to ANSI B1.1 aised face 125 RMS, drilled to ANSI B16.5 asions: in accordance with ANSI B16.10 : 300 # 	5 d shall meet the requirements of lat s. defined hed by welding are not acceptable.	est	
				d:  and test report shall be provided for each v	alve and shall include the		
			-	and leakage test in accordance with API 59 erties and chemical analysis for body and			

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	VOCAB Number				Description			Part Number		Drawing Number	Ordered Quantity		 r Supplier Offer Currency Code	-	Orig
	escription 2							Number	I		Quantity				
10 032A0	024103	&3" GATE VALVE	,		A217-C5,300#,FL	ANGED R.F.					3.(	000 EA	 	19000080 OR	e 10
11 032A0	024104	4" GATE VALVE,			A217-C5,300#,FL	ANGED R.F.					2.0	000 EA	 	19000080 OR	x 11
General De	escription 1	Code Body Trim r	e of cons material naterial material	truction : ASI : Carbon : "ASTM" : "ASTM"	steel to "ASTM" A-182-F6 (13%C A193 B7, thread	A-216-WCB Cr.)									
			irements						- Classes						
		"ASTI B- The C- Cro with s D- Co	M", "ASM e end fla oss-secti upplier q	E" boiler and nges shall be onal drawing uotation. n of compliar	pressure vessel cast with the boo for each valve ty	be brand new and code applications dy. Flanges attach pe and size includ n Sulfide service	is. hed by welding iding material li	, are not accept	table.						
		Certifi	ication re	quired:											
		follow 1- Hyo 2- Me	ing tests drostatic chanical	- test and leak properties ar	age test in accore	III be provided for dance with API 59 vsis for body and I CE MR01-75	98 -latest editic	on	the						
General De	escription 2														

ne VOCAB o. Number		Description	Part Number	Drawing Number	Ordered Quantity		er Supplier Offer Currency Code	-	Orig pe LineN
12 032C012104	4" SWING CHECK VALVE, 150#	FLANGED R.F.			6.000	EA		19000080 OR	R 1
13 032C012108	8" SWING CHECK VALVE, 150#	FLANGED R.F.			3.000	EA		19000080 OR	x 1
General Description 1	CODE OF CONSTRU BODY MATERIAL TRIM MATERIAL	ON : SWING CHECK,BOLTED BON UCTION :ASME B16.34 : CARBON STEEL TO "ASTM" A2 : "ASTM"A182 -F6 (13% Cr) : "ASTM"A193 B7,THREADED TO : FLANGED RAISED FACE 125 R : 300 #	216-WCB . D ANSI B1.1						
	"ASTM", "ASME" boil B- The end flanges s C- Cross-sectional dr with supplier quotatio	ler and pressure vessel code applicates hall be cast with the body. Flanges a rawing for each valve type and size	attached by welding are not acceptable. including material list shall be enclosed						
	Certification required	:							
	following tests:- 1- Hydrostatic test an 2- Mechanical proper	nd to (EN 10204 3.1)shall be provide nd leakage test in accordance with A rties and chemical analysis for body e components with NACE MR01-75	and bonnet material.						
General Description 2									

ine	VOCAB		Desc	ription	Part	Drawing	Ordered
No	Number				Number	Number	Quantity
Genera	al Description 1	032041	TYPE & DESCRIPTION CODE OF CONSTRUCTION BODY MATERIAL TRIM MATERIAL STUD MATERIAL ENDS RATING LOCATION	: SWING CHECK VALVE, BOLTED :" ASME" B16.34. : CAST CARBON STEEL TO"ASTM : "ASTM"A-182 GR.F6 (13%CR) : "ASTM" A 193 B7, THREADED TO : FLANGED RING JOINT, DRILLED : 600 # : TO BE USED FOR N.H.T UNIT FE	/I" A-216-WCB D ANSI B1.1 D TO ANSI B16.5		
			REQUIREMENTS				
			A- MATERRIAL U	SED ROR VALVE CONSTRUCTION SI MENTS OF LATEST"ASTM", "ASME" E		-	
				ONAL DRAWING FOR EACH VALVE 1		DING MATERIAL	
			C- CONFIRMATIO	ON OF COMPLIANCE WITH HYDROG	EN SULFIDE SERVIVE.		
			CERTIFICATION REQUIRED:				
Genera	al Description 2		EACH VALVE AND SHALL INC 1- HYDROSTATIC TEST AND	D TEST REPORT SHALL BE PROVIDE CLUDE THE FOLLOWING TESTS:- LEAKAGE TEST IN ACCORDANCE W S AND CHEMICAL ANALYSIS FOR BO	/ITH API 598-LATEST EI		
15 03	32C015206	DIA. 6"CH	ECK VALVE A216 WCB 600	# FLANGED R.J			1
Genera	al Description 1	030033	sten a ba	valve, solid wedge, OS&Y, rising n, bolted bonnet and gland, with ack seat bushing permitting acking with the valve fully open.			

Supplier Offer Supplier Offer Original Orig Unit Unit Price Currency Code Order No Type LineNo

1.000 EA \_\_\_\_\_\_ 19000080 OR 15

ine Io.	VOCAB Number	Description	Part Number	Drawing Number	Ordered Quantity
NO	Number	Code of construction : ASME B16.34	Number	Number	Quantity
		Body material : Cast Carbon steel to "ASTM" A-216	-WCB		
		Trim material : "ASTM" A-182-F6 (13%Cr.)			
		Stud& nut material : "ASTM" A193B7, A 194-2H			
		Threaded to ANSI B1.1			
		Ends : Flanged raised face 125 RMS			
		Drilled to ANSI B-16.5			
		Face to face dimensions : In accordance with ANSI B16.10			
		Rating : 150 #			
		Requirements:			
		A- Material used for valve construction shall be brand new and	shall meet the requirements of la	itest	
		"ASTM", "ASME" boiler and pressure vessel code applications.	•		
		B- The minimum wall thickness shall be not less than values de			
		in API 600-latest edition and ASME B16.34.			
		C- The end flanges shall be cast with the body. Flanges attache	ed by welding are not acceptable		
		D- Cross-sectional drawing for each valve type and size includi			
		with supplier quotation.			
		E- Confirmation of compliance with Hydrogen Sulfide service.			
		Certification required:			
		Mill test certificate and test report shall be provided for each va	lve and shall include the		
		following tests:-			
		1- Hydrostatic test and leakage test in accordance with API 598			
		2- Mechanical properties and chemical analysis for body and b	onnet material.		
General	<b>Description 2</b> 030592	SIZE 2" ONLY COULD BE ACCEPTED WHETHER CAST OR FORGED METAL .			
	2C022102 2" GATE	VALVE A216-WCB,150#,FLANGED R.F			50

Supplier Offer Supplier Offer Original Orig Unit Unit Price Currency Code Order No Type LineNo

50.000 EA \_\_\_\_\_

ine Io.	VOCAB Number			Description	Part Number	Drawing Number	Ordered Quantity		plier Offer Supplier Offer Original nit Price Currency Code Order No Type	Orig e Linel
	ral Description 2						2001			<u></u>
17 C	032C022103	3" GATE \	/ALVE	A216-WCB,150#,FLANGED R.F			40.0	00 EA	19000080 OR	
18 C	032C022104	4" GATE \	/ALVE	A216-WCB,150#,FLANGED R.F			80.0	00 EA	19000080 OR	
Gener	ral Description 1	030038	Type & Description	: Gate valve, OS&Y, rising stem, bolted						
			with a back	bonnet, bolted gland						
				seat bushing permitting repacking with the valve fully open. construction : ASME B16.34						
			Body material	construction : ASME B16.34 : Cast carbon steel to "ASTM" A-216 GR.WC	В					
			Trim material	: "ASTM" A-182 GR.F6 (13%cr.)	-					
			Stud& nut material	: "ASTM" A193B7, A 194-2H						
			Threaded to Ends ANSI B16.5	: Flanged raised face 125 RMS, drilled to						
				face dimensions : in accordance with ANSI B16.10						
			Rating Requirements:	: 300 #						
				ve construction shall be brand new and shall meet th	ne requirements of	latest				
				r and pressure vessel code applications. nickness shall be not less than values defined						
			in API 600-latest edition							
				all be cast with the body. Flanges attached by welding	g are not acceptabl	e.				
			D- Cross-sectional draw	wing for each valve type and size including material l						
			with supplier quotation.							
			E- Confirmation of comp	pliance with Hydrogen Sulfide service.						
			Certification required:							
				test report shall be provided for each valve and shall	include the					
			following tests:- 1- Hydrostatic test and l	leakage test in accordance with API 598 -latest edition	on					
				es and chemical analysis for body and bonnet materia						

Line	VOCAB			Description	Part	Drawing	Ordered
No.	Number				Number	Number	Quantity
19	032C024103	3" GATE	VALVE,A216-WCB,300#,F	LANGED R.F			2
20	032C024108	8" GATE VALVE,A216-WCB,300#,F LANGED R.F					:
Ger	eral Description 1	030055	bolted bonnet, bolted gla permitting repacking with Code of construction Body material	2 .			
				: "ASTM" A193B7, A 194-2H (Th Flanged raised face 125 RMS, dril s : In accordance with ANSI B16 : 150 #	led to ANSI B16.5		
			Requirements:				
				 ve construction shall be brand new and pressure vessel code application	and shall meet the requirements of latest tions.		
			B- The minimum wall thi in API 600-latest edition	ickness shall be not less than valu and ASME B16.34.	es defined		
			C- The end flanges shal not acceptable.	ll be cast or integrally forged with t	he body. Flanges attached by welding are		
			D- Cross-sectional draw with supplier quotation.	ing for each valve type and size ir	ncluding material list shall be enclosed		
			E- Confirmation of comp	bliance with Hydrogen Sulfide serv	ice according to ANCE MR01-75.		
			Certification required:				
			following tests:-	EN 10204 3.1)shall be provided for eakage test in accordance with AF			

ed		Supplier Offer	Supplier Offer	Original		Orig
ity	Unit	Unit Price	Currency Code	Order No	Type L	ineNo
21.000	EA			19000080	OR	19
3.000	EA			19000080	OR	20

ne VOCAB o. Number			Description	Part Number	Drawing Number	Ordered Quantity	Supplier Offe Unit Unit Price	r Supplier Offer Currency Code	•	Orig
	<u>.</u>		es and chemical analysis for body and b components with NACE MR01-75.			Zuanacy				
General Descriptio	on 2									
21 032C032103	3" GLOBE	E VALVE,A216-WCB,150#	F LANGED R.F			3.00	0 EA		19000080 OR	-
22 032C032104	4" GLOBE	E VALVE,A216-WCB,150#,	F LANGED R.F			3.00	0 EA		19000080 OR	
General Descriptio	on 1 030030	Code of construction Body material : Ca Trim material : "As Stud material : "As	arbon steel to "ASTM" A-216-WCB STM" A-182-F6 (13%Cr.) STM" A193 B7, threaded to ANSI B1.1 ged raised face 125 RMS, drilled to ANSI	B-16.5						
		Requirements:								
		"ASTM", "ASME" boile B- The end flanges sh C- Cross-sectional dra with supplier quotation	alve construction shall be brand new and er and pressure vessel code applications. all be cast with the body. Flanges attache wing for each valve type and size includi npliance with Hydrogen Sulfide service a	ed by welding are not acceptable. ing material list shall be enclosed	st					
		Certification required:								
		Mill test certificate and following tests:- 1- Hydrostatic test and 2- Mechanical properti	to (EN 10204 3.1)shall be provided for e l leakage test in accordance with API 598 es and chemical analysis for body and b	8 -latest edition						

<sup>3-</sup> Conformity of valve components with NACE MR01-75..

#### Date 30/03/2019 Page -14

Line	VOCAB			Description	Part	Drawing	Ordered
No.	Number				 Number	Number	Quantity
Gen	eral Description 2	030590	SIZE 2" ONLY COULD CAST OR FORGED ME	BE ACCEPTED WHETHER ETAL .			
23	032C012102	2" SWING	G CHECK VALVE, 150#	FLANGED R.F.			6
Rema	arks of Purchasir	ng Departn					

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Supplier OfferSupplier OfferOrigUnitUnit PriceCurrency CodeOrder NoType LineNo

6.000 EA \_\_\_\_\_ 19000080 OR 23