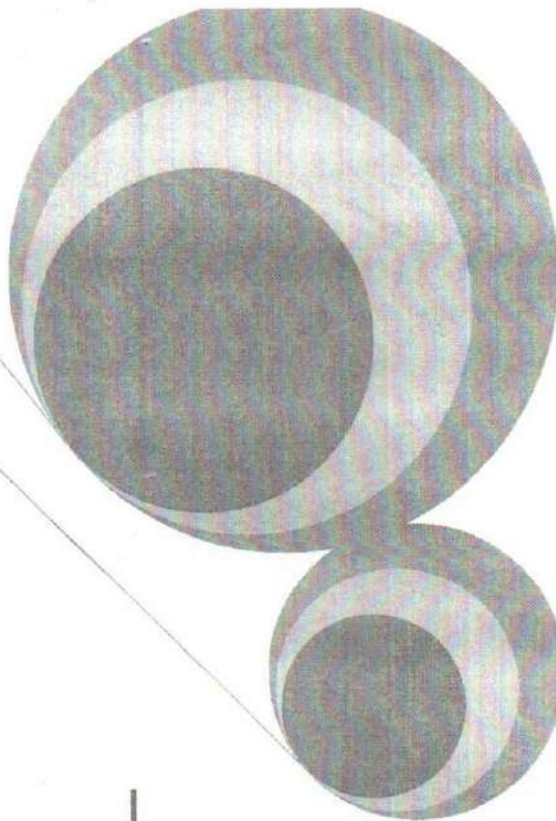




October 28

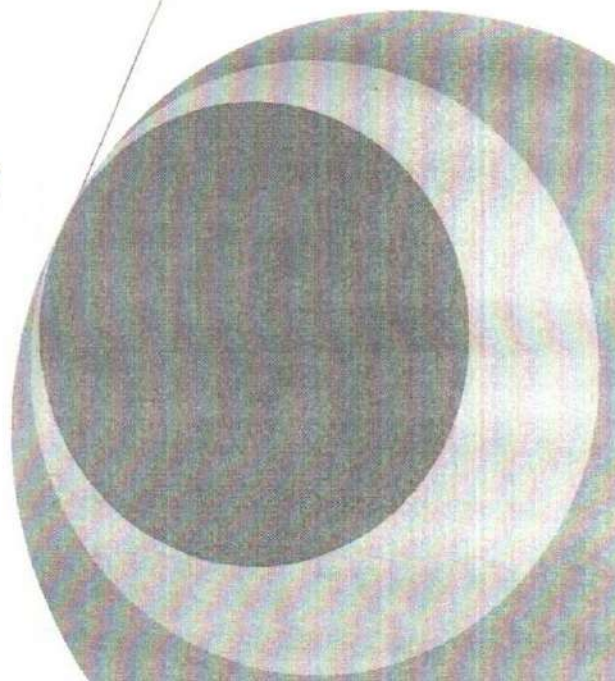
2026

GATE VALVES & GLOBE VALVES

Subject: - Tender No. 5000/3764 (ONE ENVELOPE) - Due date 28.10.2026 at 10 O'clock Cairo local time – GATE VALVES & GLOBE VALVES - PRICE OF TENDER DOCUMENTS SET L.E. 575.-

GATE VALVES & GLOBE VALVES

One ENVELOPE



EGYPTIAN SUGAR & INTEGRATED INDUSTRIES COMPANY

Fax 00202 23934558-0223920509

Web. Site: www.siicegypt.com



Tel. 0020 23929077&138

E-mail: purchasing@siicegypt.com



12 Gawad Hosni St. down town Cairo/Egypt

Cairo, 04.10.2026

Dear Sirs,

We shall be much obliged to receive on due date your best offer in form of proforma invoice for the supply of:

- GATE AALVES & GLOBE VALVES

Complete technical specification as per attached Annexed list.

FIRST: The submitted offer should state the following terms & conditions:

Technical offer should state & include the following :

- 1-1) Detailed specifications and pre-qualification's documents in the same field.
- 1-2) Complete catalogues , pamphlets in English Languages including relevant technical specifications.
- 1-3) Port of shipment Name , taking into your consideration that
(REJIKA seaport or CONSTANZA seaport Not accepted from our side in case contracted FOB seaport).
- 1-4) Terms of payment : payment will be CAD as follows :
 - * 80% against shipping documents.
 - * 20% Against accepted T.O.T report signed from two parties
- 1-6) The shortest delivery time will be considered.
- 1-7) Full name , address , e-mail, Tel & Fax No. of your Egyptian agent .
- 1-8) ESIIC will receive the offer on the due date of the tender, in case you have on agent must submit the following documents original of them for see & a copy for study :-
 - a) Form of 14 c from C.E.O.I.C
 - b) Register on commercial archives .
 - c) Register on tax Archives .
 - d) Register on added tax Archives.

(2) The 2 % Bid Bond:

2/1) form bank guarantee to be issued and confirmed in the same currency of your offer (or in equivalent of Egyptian pound plus 20 %).

OR

2/2) In cash at the same currency of your offer (or in equivalent of Egyptian pound plus 10 %).

- a. The original 2 % Bid Bond bank guarantee to be presented in a separate envelope (C) but its copy (after deleting the amount) to be attached with your offer envelope (A).
- b. The 2 % Bid Bond bank guarantee to be confirmed from first class bank in Egypt and extended by you without an application from us.

SECOND:- In case of order:

Your priced offer which should state the following :-

1- Itemized unit and total price on :

- * FOB your port of shipment. (FOB REJIKA or CONSTANZA seaport Not accepted from our side).
- * C&F basis ALEX. /Egypt.

2- Country of origin USA , JAPAN , EU,U.K

Your price must include the costs of fumigation and stamping the wooden package according to the international standard if wooden packages will be used.

3- Gross/net weight and volume also the kind of package which will be used and if shipment will be effected in container or not.

4- Shortest delivery time.

5- Prices validity to be 3 months minimum.

6- Payment will be CAD

6/1- 80 % of the goods price against following shipment documents :

- a) 2 originals (& 2 copies) of signed invoice illustrated as per order, one original only to be certified by your chamber of commerce and the Egyptian consulate at your end.
- b) 5 sets of weight & packing list.
- c) Complete set of clean B/L plus 3 non negotiable copie made to the order of LC opener bank and notify E.S.I.I.C.
- d) original & 3 copies of certificate of origin , original only to be certified from chamber of commerce and authenticated from Egyptian consulate at your end.

- (e) One original plus two copies of Eur 1 certificate - the certified original to be issued , signed and stamped by the competent authority and sent by international courier to ESIIC directly. Original and three copies of test work certificate.

(f) - For goods of EU origin:

In case origin of the goods is a country not the country of shipment, i.e. shipment effected through a port of a country not the country of the origin,

< CERTIFICATE ON DIRECT CONSIGNMENT >

to be presented with shipping documents. such certificate to be issued , signed and stamped by the authorized competent.

- g) Test work's certificate in triplicate issued by the manufacturer.
- h) Supplier's written evidence confirming that copy of: B/L , commercial invoice , packing list and original of Eur 1 certificate have been sent to the Buyer's by Courier within 5 days from date of B/L.
- 6/2- 20% retention money to be paid against the original of report of successful operation at site signed with banking signature by the authorized person on ESIIC.

SECOND: GENERAL TERMS AND PROCEDURES.

- 1) ESIIC will receive the two envelopes on the due date of the tender
- 2) ESIIC has the right to open on due date envelope (A) only for study and keep envelope (B) to be opened for the bidders their technical offer accepted and who presented the required bid bond.
- 3) During period of technical study , ESIIC will ask some Clarifications and or technical completions.
- 4) ESIIC has the right to open envelope (B) at or without Attendance of the bidder's representative.

N.B.:

- 1) Any bid received after deadline for submission of bids prescribed by ESIIC as well as any offer submitted not accompanied with 2 % bid bond will be rejected.
- 2) All costs of preparing and submitting the offers including the costs of the bidders specialists and representative in and outside Egypt to be paid and borne the by bidder.
- 3) ESIIC has the right to partly award and/or cancel the tender.
- 4) The bidder has no right to refer to ESIIC for any bidding costs in case the tender awarded to another bidder or cancelled.

5) Advance payment not accepted from our side as we can't transfer any Money in advance according to regulation and new instructions issued from central Bank of Egypt.

5) In case of order:-

5-1) All bank charges of LC outside ARE including confirmation fees on supplier's account i.e. only bank charges inside ARE on ESIIC.

5-2) All bank charges of LG in & outside ARE will be on supplier's account.

5-3) Commission of the Egyptian agent will be deducted from the total order value to be paid to the agent through his account in LE by opener bank (i.e. only net value of the order will be transferred to supplier).

5-4) Prices to be firm without any change whatsoever until completing shipment and undertaking all contractual obligations .

5-5) The performance bank guarantee, amounting 10% of the total value of the order and valid for 18 months from date of successful taking over test, to be presented within 15 days of opening the relative LC.

5-6) Short supply: In case of any short supplied items or found defective , your company will replace them at the site (E.S.I.I.C) CIF basis free of charge duly packed in suitable packing without any delay.

5-7) In case shipment inside containers the demurrage period not less than 21 days at port of discharge to avoid any penalties applied.

5-8) If we don't receive any objection from your side regarding the order and its conditions (technical and commercial clarifications) within 7 days max. from date of receiving it.

Company ESIIC will be considered as an acceptance of order and all its conditions from your side and complete all formalities accordingly.

* An additional points must be taken into your consideration in case of order:-

1) Detailed packing list showing contents of each package in case shipped by container packing list should show No. of package and its serial in each container also contents of each package.

2) 2 sets of original catalogues in English languages , all tech. data and the operation's manual instruction for the required machine.

3) In case shipping inside LCL container.

* Mentioned volum in B/L.

* Mentioned name plate should be stick in Motors and engine & showing its power and origin.

4) Amount of invoice for the order and its component should be lump sum.

5) Two copies of beneficiary fax shipping notices sent to the applicant as follows

5/1) First notice: Within 5 days before loading commencement showing name , age and flag of the vessel , number and volume of package.

5/2) Second notice: Within 2 working days from completing loading , indicating actual packages and weight loaded , departure date , expected date of arrival to discharge port also stating full name and address of the vessel agent at discharge port.

6):- Penalty of delay: -

In case the supplier fails to deliver on due date the deliveries in whole or in part the E.S.I.I.C shall be entitled to inflict a penalty of 1% (one percent) of the total price of the delayed deliveries for every week or part of week. After 5 weeks of delay the E.S.I.I.C has the right to cancel the order and forfeit the LG, also ESIIC has the right to refer to the contractor by any damage and losses result from his failure of carrying out his contractual obligations.

N.B.:

1. Customs duties , customs exemption will be taken into account when comparing the prices of the competitors.
2. The supplier is obliged to send the original shipping documents in conformity with the purchase order through his bank to ESIIC bank before the arrival of the vessel to Egyptian seaport as will as must provide ESIIC with relative courier No. , in case of violation the supplier shall bear demurrage , storage fees and any other expenses resulting from this delay. in case of arrival of the vessel before receiving the original shipping documents to ESIIC bank the shipping company must accept shipping guarantee for clearance the goods.
3. For the issue of Eur1, to enable us to apply it in our customs, you should abide the following instructions:-
 - * Products must be trademarked manufacturer name and country of origin must be printed on a metal place clearly.
 - *The easy removable labels are not acceptable b y the Egyptian customs.

All the previous instructions must be followed firmly or our company has the right to invoice you with any costs as a result of not benefiting from Eur1 certificate.

Awaiting to receive your best offer on due date.

Ecl.(4)

H.F



A) Manual Gate Valves

Gate valves suitable for superheated steam, flanged ends, hand-wheel operated, bolted bonnet, with rising stem (OS&Y) outside screw, size and quantity is according to the below tables:

Type of wedge	:Flexible
Pressure class	: ASME Class 300 (per ASME B16.34)
End style	:Flanged, Raised Face (RF) type, drilled per ASME B16.5
Operating pressure	: 30 bar
Operating temperature	: 400°C

Materials:

Body, bonnet & disc	: ASTM A217 WC6
Stem	:ASTM A276/A479 Type 420
Stem packing	:Braided flexible graphite
Seats	:ASTM A182 F11, with Stellite 6 hardfacing
TESTING	:According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 15 mm	10	5			5	
2	DN 20 mm	5	5				
3	DN 25 mm	23			8	10	5
4	DN 40 mm	7	5		2		
5	DN 50 mm	21	5		6	5	5
6	DN 65 mm	5	5				
7	DN 80 mm	12	5		2		5
8	DN 100 mm	5	3		2		
9	DN 125 mm	4	4				
10	DN 150 mm	7	2		5		
11	DN 200 mm	6	1		5		
12	DN 250 mm	2			2		
13	DN 350 mm	2			2		

B) Manual Globe Valves

Globe valves suitable for superheated steam, flanged ends, hand-wheel operated, bolted bonnet, with rising stem (OS&Y) outside screw, size and quantity is according to the below tables:

Type	:Straight way
Pressure class	: ASME Class 300 (per ASME B16.34)
End style	:Flanged, Raised Face (RF) type, drilled per ASME B16.5
Operating pressure	: 30 bar
Operating temperature	: 400°C

Materials:

Body, bonnet & disc	: ASTM A217 WC6
Stem	:ASTM A276/A479 Type 420
Stem packing	:Braided flexible graphite
Seats	:ASTM A182 F11, with Stellite 6 hardfacing
TESTING	:According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 15 mm	4				4	
2	DN 20 mm	4				4	
3	DN 25 mm	14				2	12
4	DN 50 mm	10				2	8
5	DN 80 mm	11				5	6
6	DN 150 mm	2				2	
7	DN 200 mm	2				2	

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C) Safety Valves

Safety valves, spring loaded with lever, open bonnet, suitable for superheated steam, flanged ends. Steam set pressure to be adjustable within $\pm 15\%$ of set pressure indicated in the following table, size and quantity is according to the below tables:

Pressure class	: ASME Class 300 (per ASME B16.34)		
End style	: Flanged, Raised Face (RF) type, drilled per ASME B16.5		
Design standard	ASME Section I		
Operating pressure	: 25 bar		
Operating temperature	: 380°C	Blowdown	: 4-7%
Set Pressure	: 27.5 bar	Discharge capacity:	> 365 Kg/hr

Materials:

Body, bonnet & disc	: ASTM A217 WC6
Stem	: ASTM A276/A479 Type 420
Seats	: ASTM A182 F11 + Stellite 6 hardfacing
Spring	: 50 CrV4 (EN 10270-3 / DIN 17221)

TESTING

: API 527 (for safety/safety relief valves) -
combined with API 598 for shell and seat testing

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	80/100 mm	1					1
2	65/100 mm	3	2				1
3	80/125 mm	3	2				1

D) Non return Valves

D.1) Wafer-spring Check type

Check valves, wafer type with dual-plate spring-loaded design, suitable for horizontal installation, size and quantity is according to the below tables:

Pressure class	: ASME Class 300 (per ASME B16.34)
End style	: Flanged (drilled according to ANSI 16.5) RF type
Operating pressure	: 25 bar
Operating temperature	: 380°C

Materials:

Body & disc	: ASTM A217 WC6
Seats	: ASTM A182 F11 with Stellite hardfacing
Spring	: 50 CrV4 (EN 10270-3 / DIN 17221)

TESTING

: According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 25 mm	5				5	
2	DN 50 mm	12	2	5		5	

D.2) Swing Check type

Swing check valves with lever & counter weight, suitable for horizontal installation, complete with counter flanges (the same valve rating), bolts nuts and st. steel spiral wound AISI 316 gaskets, size and quantity is according to the below tables.

Pressure class	: ASME Class 300 (per ASME B16.34)
End style	: Flanged (drilled according to ANSI 16.5) RF type
Operating pressure	: 25 bar
Operating temperature	: 380°C

Materials:

Body, bonnet & disc	: ASTM A217 WC6
Seats	: ASTM A182 F11 with Stellite hardfacing

TESTING

: According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 65 mm	2	2				

M. K. Ramani



E) High pressure steam traps

Thermostatic steam traps, suitable for super heated steam, flanged ends, complete with counter flanges (the same valve rating), bolts nuts and st. steel spiral wound AISI 316 gaskets, size and quantity is according to the below tables.

Type	: Thermostatic		
Pressure class	: ASME Class 600 (per ASME B16.34)		
End style	: Flanged (drilled according to ANSI 16.5) RF type		
Position	: Horizontal		
Operating pressure	: 30 bar	Back pressure	: 5 bar
Operating temperature	: 400°C	Cond. Temp.	: 100°C
Max. Operating pressure	: 40 bar	Discharge capacity:	: ≈ 50 Kg/hr
Max. Operating temp.	: 450°C		

Materials:

Body, bonnet & disc	: ASTM A217 WC6
Internals	: ASTM A240/A276 Type 316
TESTING	: According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 25 mm	4	1		3		
2	DN 40 mm	4	1		3		
3	DN 50 mm	1	1				

F) Manual Gate Valves - Threaded ends

Gate valves suitable for superheated steam, threaded ends, hand-wheel operated, bolted bonnet, with rising stem (OS&Y) outside screw, size and quantity is according to the below tables:

Type of wedge	: Flexible
Pressure class	: ASME Class 300 (per ASME B16.34)
End style	: Threaded ends, per ASME B1.20.1 (NPT)
Operating pressure	: 30 bar
Operating temperature	: 400°C

Materials:

Body, bonnet & disc	: ASTM A217 WC6
Stem	: ASTM A276/A479 Type 420
Stem packing	: Braided flexible graphite
Seats	: ASTM A182 F11, with Stellite 6 hardfacing
TESTING	: According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 15 mm	18	10		8		

G) Manual Y-shape Globe Valves

Globe valves, Y-pattern (angled Y-type), suitable for superheated steam, flanged ends, hand-wheel operated, bolted bonnet, with rising stem (OS&Y) outside screw, size and quantity is according to the below tables:

Type	: Y-pattern (Y-type), ~45° seat angle
Pressure class	: ASME Class 300 (per ASME B16.34)
End style	: Flanged, Raised Face (RF) type, drilled per ASME B16.5
Operating pressure	: 30 bar
Operating temperature	: 400°C

Materials:

Body, bonnet & disc	: ASTM A217 WC6
Stem	: ASTM A276/A479 Type 420
Stem packing	: Braided flexible graphite
Seats	: ASTM A182 F11, with Stellite 6 hardfacing
TESTING	: According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 50 mm	8	8				

M. K. Mani



General conditions

1. Country of origin : EU , U.K , USA and Japan
 2. Bidder Should Submitt original catalogues with the offer.
 3. Documentation / Certification
 - * EN 10204 3.1 material certificates for all pressure-retaining parts should be submitted within delivery
 - * Signed conformance certificates against this specification.
 - * Dimensional drawings (GA) and CV/Cv flow data where applicable.
 - * Test certificates, and (where required) ASME capacity certificates for safety valves.
 4. Packing & Shipment
 - * Valves packed to prevent damage in transit and storage.
 - * End protection (caps/plugs) on all open ends.
 - * Mark packing with item/tag numbers corresponding to the order.
- Warranty period : 12 from commissioning or 18 months from last B/L whitch comes earlier.
5. Delivery period: should be 5 months max.



A) Manual Gate Valves

Gate valves suitable for superheated steam, flanged ends, hand-wheel operated, bolted bonnet, with rising stem (OS&Y) outside screw, size and quantity is according to the below tables:

Type of wedge : Flexible
Pressure class : ASME Class 300 (per ASME B16.34)
End style : Flanged, Raised Face (RF) type, drilled per ASME B16.5
Operating pressure : 30 bar
Operating temperature : 400°C

Materials:

Body, bonnet & disc : ASTM A217 WC6
Stem : ASTM A276/A479 Type 420
Stem packing : Braided flexible graphite
Seats : ASTM A182 F11, with Stellite 6 hardfacing
TESTING : According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 15 mm	10	5			5	
2	DN 20 mm	5	5				
3	DN 25 mm	23			8	10	5
4	DN 40 mm	7	5		2		
5	DN 50 mm	21	5		6	5	5
6	DN 65 mm	5	5				
7	DN 80 mm	12	5		2		5
8	DN 100 mm	5	3		2		
9	DN 125 mm	4	4				
10	DN 150 mm	7	2		5		
11	DN 200 mm	6	1		5		
12	DN 250 mm	2			2		
13	DN 350 mm	2			2		

B) Manual Globe Valves

Globe valves suitable for superheated steam, flanged ends, hand-wheel operated, bolted bonnet, with rising stem (OS&Y) outside screw, size and quantity is according to the below tables:

Type : Straight way
Pressure class : ASME Class 300 (per ASME B16.34)
End style : Flanged, Raised Face (RF) type, drilled per ASME B16.5
Operating pressure : 30 bar
Operating temperature : 400°C

Materials:

Body, bonnet & disc : ASTM A217 WC6
Stem : ASTM A276/A479 Type 420
Stem packing : Braided flexible graphite
Seats : ASTM A182 F11, with Stellite 6 hardfacing
TESTING : According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 15 mm	4				4	
2	DN 20 mm	4				4	
3	DN 25 mm	14				2	12
4	DN 50 mm	10				2	8
5	DN 80 mm	11				5	6
6	DN 150 mm	2				2	
7	DN 200 mm	2				2	

W. K. K.



C) Safety Valves

Safety valves, spring loaded with lever, open bonnet, suitable for superheated steam, flanged ends. Steam set pressure to be adjustable within $\pm 15\%$ of set pressure indicated in the following table, size and quantity is according to the below tables:

Pressure class	: ASME Class 300 (per ASME B16.34)		
End style	: Flanged, Raised Face (RF) type, drilled per ASME B16.5		
Design standard	ASME Section I		
Operating pressure	: 25 bar		
Operating temperature	: 380°C		
Set Pressure	: 27.5 bar		
	Blowdown	: 4-7%	
	Discharge capacity:	> 365 Kg/hr	

Materials:

Body, bonnet & disc	: ASTM A217 WC6
Stem	: ASTM A276/A479 Type 420
Seats	: ASTM A182 F11 + Stellite 6 hardfacing
Spring	: 50 CrV4 (EN 10270-3 / DIN 17221)

TESTING

: API 527 (for safety/safety relief valves) -
combined with API 598 for shell and seat testing

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	80/100 mm	1					1
2	65/100 mm	3	2				1
3	80/125 mm	3	2				1

D) Non return Valves

D.1) Wafer-spring Check type

Check valves, wafer type with dual-plate spring-loaded design, suitable for horizontal installation, size and quantity is according to the below tables:

Pressure class	: ASME Class 300 (per ASME B16.34)
End style	: Flanged (drilled according to ANSI 16.5) RF type
Operating pressure	: 25 bar
Operating temperature	: 380°C

Materials:

Body & disc	: ASTM A217 WC6
Seats	: ASTM A182 F11 with Stellite hardfacing
Spring	: 50 CrV4 (EN 10270-3 / DIN 17221)

TESTING

: According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 25 mm	5				5	
2	DN 50 mm	12	2	5		5	

D.2) Swing Check type

Swing check valves with lever & counter weight, suitable for horizontal installation, complete with counter flanges (the same valve rating), bolts nuts and st. steel spiral wound AISI 316 gaskets, size and quantity is according to the below tables.

Pressure class	: ASME Class 300 (per ASME B16.34)
End style	: Flanged (drilled according to ANSI 16.5) RF type
Operating pressure	: 25 bar
Operating temperature	: 380°C

Materials:

Body, bonnet & disc	: ASTM A217 WC6
Seats	: ASTM A182 F11 with Stellite hardfacing

TESTING

: According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 65 mm	2	2				

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E) High pressure steam traps

Thermostatic steam traps, suitable for super heated steam, flanged ends, complete with counter flanges (the same valve rating), bolts nuts and st. steel spiral wound AISI 316 gaskets, size and quantity is according to the below tables.

Type	: Thermostatic		
Pressure class	: ASME Class 600 (per ASME B16.34)		
End style	: Flanged (drilled according to ANSI 16.5) RF type		
Position	: Horizontal		
Operating pressure	: 30 bar	Back pressure	: 5 bar
Operating temperature	: 400°C	Cond. Temp.	: 100°C
Max. Operating pressure	: 40 bar	Discharge capacity:	: ≈ 50 Kg/hr
Max. Operating temp.	: 450°C		

Materials:

Body, bonnet & disc	: ASTM A217 WC6
Internals	: ASTM A240/A276 Type 316
TESTING	: According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 25 mm	4	1		3		
2	DN 40 mm	4	1		3		
3	DN 50 mm	1	1				

F) Manual Gate Valves - Threaded ends

Gate valves suitable for superheated steam, threaded ends, hand-wheel operated, bolted bonnet, with rising stem (OS&Y) outside screw, size and quantity is according to the below tables:

Type of wedge	: Flexible
Pressure class	: ASME Class 300 (per ASME B16.34)
End style	: Threaded ends, per ASME B1.20.1 (NPT)
Operating pressure	: 30 bar
Operating temperature	: 400°C

Materials:

Body, bonnet & disc	: ASTM A217 WC6
Stem	: ASTM A276/A479 Type 420
Stem packing	: Braided flexible graphite
Seats	: ASTM A182 F11, with Stellite 6 hardfacing
TESTING	: According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 15 mm	18	10		8		

G) Manual Y-shape Globe Valves

Globe valves, Y-pattern (angled Y-type), suitable for superheated steam, flanged ends, hand-wheel operated, bolted bonnet, with rising stem (OS&Y) outside screw, size and quantity is according to the below tables:

Type	: Y-pattern (Y-type), ~45° seat angle
Pressure class	: ASME Class 300 (per ASME B16.34)
End style	: Flanged, Raised Face (RF) type, drilled per ASME B16.5
Operating pressure	: 30 bar
Operating temperature	: 400°C

Materials:

Body, bonnet & disc	: ASTM A217 WC6
Stem	: ASTM A276/A479 Type 420
Stem packing	: Braided flexible graphite
Seats	: ASTM A182 F11, with Stellite 6 hardfacing
TESTING	: According to API 598

S.NO	Size	Total Qty	N.H	Deshna	Quos	Armant	K.O
	P.R.		1133, 1171	452	621	28	225
1	DN 50 mm	8	8				

M. K. Mani



General conditions

1. Country of origin : EU , U.K , USA and Japan

2. Bidder Should Submitt original catalogues with the offer.

3. Documentation / Certification

* EN 10204 3.1 material certificates for all pressure-retaining parts should be submitted within delivery.

* Signed conformance certificates against this specification.

* Dimensional drawings (GA) and CV/Cv flow data where applicable.

* Test certificates, and (where required) ASME capacity certificates for safety valves.

4. Packing & Shipment

* Valves packed to prevent damage in transit and storage.

* End protection (caps/plugs) on all open ends.

* Mark packing with item/tag numbers corresponding to the order.

Warranty period : 12 from commissioning or 18 months from last B/L which comes earlier.

5. Delivery period: should be 5 months max.