



FINAL CONSOLIDATE PREBID QUERIES REPLY-ROSOV

Sr. No.	Document No. or Page No. of Bid Document	Clause	Description / Requirements	Bidders/Vendors Queries	DAFFPL/SAGA Response																				
1	CHAPTER 3: BID-QUALIFICATION CRITERIA		The vendor should be having valid License/certificate to use official API 609 monogram on the Triple offset Butterfly Valves. Vendor to submit relevant valid certificates in support.	Request for Waiver of API 609 Monogram . We confirm Design compliance to API 609. Please note that we are the world leader in Triple offset valves & has been manufacturing these triple offset valves for last 40+ years . We are supplying triple offset valves globally for all Oil & Gas installation including third party inspection agency. We have never opted to have the API Monogram license for its Triple offset product due to the fact that we comply & exceeds the requirement of API 609 which is mainly applicable for concentric & double eccentric derated butterfly valves whereas Triple offset valves are full ANSI rated valves , Having a API 609 would have undermined its capability and could have been made comparable to a concentric or double offset butterfly valves . API 609 monogram does not improve the performance or evaluate & certify the design/quality of a triple offset valve hence it does add to any performance of the valve . You will see on the API list of manufacturers No top triple manufacturers appears on the list except few of those either have a concentric & double eccentric butterfly valve in their portfolio along with Triple offset valves appears on the list . We rather feel a Shell Type approval test certification or qualification of a manufacturer along with a ISO 9001 certification have much more weightage & will prove the quality & performance of a valve since Shell carries out a rigorous qualification test at Ambient , Cryogenic & high temperature to certify the complete range then having a API monogram which is more or less a factory audit certification of processes which are otherwise covered under ISO 9001 . Refer earlier Tender from IOCL TP/080557C001/205/1543-001/25 & the same is without APICertification requirement. Kindly confirm cceptance of the same to participate in this tender.	API 609 is a standard requirement. The bidder/OEM/vendor should be having valid licence/certificate to use official API-609 monogram on the tripple offset valves. Vendor to submit relevant valid certificates as mentioned in bid qualification criteria.																				
2	DAFFPL/SGC/MR/0003- R00	Cl. 4 note 13)	Valve of size DN 200 mm (8") and above shall be equipped with lifting lugs. Tapped holes and Eye bolts shall not be used for lifting	We do not provide lifting Lugs for our valves we will provide valve Handling procedure for the same	As the Valve size is 16 " and the same need to be installed near operational ATF Tank inside operational Dyke. Bidder shall provide Valve Handling procedure so that the Valve installation and Standanrd Operation Procedure can be vetted inline with site situation.																				
3	DAFFPL/SGC/MR/0003- R00	Cl 7.1 Note 6)	A bubble tight seat is required without use of any sealant. No leakage is allowed. Test pressure shall be held for at least 15 minutes.	Valves will be tested as per API 598 and test duration shall be as per API 598. Please confirm acceptance for the same.	Noted. However seat testing is mandatory requirement as per Tender document.																				
4	DAFFPL/SGC/MR/0003- R00	Cl. 4.2 note 4)	Charpy V-Notch Test on each heat of base material shall be conducted as per API (EI) 609	Impact test will be conducted according to ASTM A370.	Noted.																				
5	ANNEXURE -B PROCESS DATASHEET FOR ROSOV AND ACTUATOR		<table border="1"> <tr><td>Body</td><td>ASTM A2, 16 Gr. WCB</td></tr> <tr><td>Disc</td><td>ASTM A2, 16 Gr. WCB / ASTM A105</td></tr> <tr><td>Seal Ring</td><td>UNS S 31801 Duplex SS+ Graphite</td></tr> <tr><td>Stem</td><td>ASTM A182F6a</td></tr> <tr><td>Bushing</td><td>UNS S31600</td></tr> <tr><td>Disc Retainer Flange</td><td>ASTM A616</td></tr> <tr><td>Disc and Bottom Flange</td><td>UNS 31600 Graphite</td></tr> <tr><td>Seat</td><td>Stellited Gr. 21 Weld Overlay</td></tr> <tr><td>Pin / Nut / Washers</td><td>SS 316</td></tr> <tr><td>Thrust Bearing</td><td>SS 316 / Hard Faced / Cobalt Based Alloy</td></tr> </table>	Body	ASTM A2, 16 Gr. WCB	Disc	ASTM A2, 16 Gr. WCB / ASTM A105	Seal Ring	UNS S 31801 Duplex SS+ Graphite	Stem	ASTM A182F6a	Bushing	UNS S31600	Disc Retainer Flange	ASTM A616	Disc and Bottom Flange	UNS 31600 Graphite	Seat	Stellited Gr. 21 Weld Overlay	Pin / Nut / Washers	SS 316	Thrust Bearing	SS 316 / Hard Faced / Cobalt Based Alloy	<p>We will offer our BOM AW01 and Offered MOC will be.</p>  <p>Body : ASTM A216 WCC Disc : ASTM A216 WCC OR ASTM A105 / ASTM A350 LF2 Sealing : S31803 (Duplex) + Graphite Stem : ASTM A479 UNS S41000 (13 Cr SS) Retainer Flange : ASTM A516 grade 70 Bottom Flange : ASTM A516 GR. 70 or ASTM A216 WCC or ASTM A105 Seat : Stellite 21 (Seat Integral to Valve Body) Thrust Bearing : UNS S31600 (AISI 316) HARD FACED Packing Bushing : ASTM A240 / A182 / A276 UNS S31600 (AISI 316)</p>	Noted. However Supplier shall confirm the use of these ROSOV shall not have any impact on quality of Jet A1 fuel for the contact parts of the ROSOV.
Body	ASTM A2, 16 Gr. WCB																								
Disc	ASTM A2, 16 Gr. WCB / ASTM A105																								
Seal Ring	UNS S 31801 Duplex SS+ Graphite																								
Stem	ASTM A182F6a																								
Bushing	UNS S31600																								
Disc Retainer Flange	ASTM A616																								
Disc and Bottom Flange	UNS 31600 Graphite																								
Seat	Stellited Gr. 21 Weld Overlay																								
Pin / Nut / Washers	SS 316																								
Thrust Bearing	SS 316 / Hard Faced / Cobalt Based Alloy																								
6	ANNEXURE -B PROCESS DATASHEET FOR ROSOV AND ACTUATOR	18	<table border="1"> <tr><td>Flange Face to Face</td><td>API / EI 609, Long Pattern</td></tr> </table>	Flange Face to Face	API / EI 609, Long Pattern	We will offer Valve Face to Face as per ISO 5752 TABLE 1 COL.13 (API 609 SHORT PATTERN). Double Flanged Short Pattern body. It is standard face to & more economical. Long Pattern is not recommended since it does not add any performance to the valve & normally used when there is one to one replacement of Gate or Ball. Never recommended for new projects. Kindly confirm acceptance of the same to participate in this tender.	As the nature of the project is changes in the existing infrastructure and in future the new ROSOV may require to replace Isolation Gate valve (MOV). Hence Bidder to provide Long Pattern as per Tender document.																		
Flange Face to Face	API / EI 609, Long Pattern																								
7			Testing	Kindly Note that Project QCP is not mentioned hence we will consider our QCP. Refer attached and confirm the same. 	Noted. Bidder to note that Fire safe test is destructive test and is carried out for design validation only, Bidder shall provide type test certificate for same. Also Carpy test is usually required for low temperature application, same is not required.																				
8	Tender For Supply of Remote Operated Shut Off Valves	5.1-6	Electro-Hydraulically Actuated Piston Actuators shall be sized to provide the required force at supply pressure of 4 Kgs/cm ² (g).	Electrohydraulic actuators will be sized based on torques given and as per Emerson standard. Refer Emerson catalogue for sizing pressure details	Noted. However Bidder to note that these ROSOV will be installed as Body Valve for ATF Storage Tank. As a tender requirement these valves Actuator Force shall be maintain 4 Kg/cm2.																				
9	Tender For Supply of Remote Operated Shut Off Valves	5.1-8	Permissible OD / Wall thickness shall be: 0.50" OD x 0.049" Wall thickness.	Tubing thickness depends on Engineering standard to meet stroking time.	Noted.																				

10	Tender For Supply of Remote Operated Shut Off Valves	9	Actuator Brand-Biffi	We will offer Emerson make-Bettis actuators.	Noted. Bidder being manufacturer the manufacturer make for valve operation compatibility is allowed.
11	Tender For Supply of Remote Operated Shut Off Valves	PG 77	II C certification for actuator	We can meet only II B certification for actuators.	As per Tender document certification IIC certification is required. However Bidder to refer additional makes of actuator so that II C certification criteria can be met for ROSOV.
12	General		ITP	For Actuators, we will offer standard testing. If any special testing is needed, please inform us.	Noted. Bidder to propose ITP in line with the specifications and applicable cods/ standards
13	General		Communication protocol	We have offered standard hardwired configuration for our actuators. If any special communication protocol is needed, please inform us	As existing ROSOV are on Modbus and 2 Wire system, Bidder to follow tender specifications for communication protocol to maintain the uniformity for PLC system at Owner's Premises.
14	Approved Actuator Vendor			We propose to offer ROTEX make Actuator. Kindly confirm your acceptance. Attached PTR & Performance Certificate	Noted. Additional make ROTEX is allowed in addition to the earlier makes proposed in tender document.
15	52/95	5.1.6		EHF are sized for pressure minimum 70 bar maximum 180 bar, hence 4 bar indicated is not applicable	Electro Hydraulic actuated Pistons sizing shall be such that the required 4 Kg/cm2 pressure is generated to shutdown the valve
16	52/95	5.1.7		Please clarify the pressure vessel Code	ASME Sec IX
17	53/95	5.2.a		Accumulator not applicable, as we are quoting for spring return actuator	Noted.
18	53/95	5.2.c		Actuator MOC carbon steel	Specification is for anodized aluminium. Bidder to provide the Actuator MOC as per Tender Specifications only.
19	56/95	5.2.5		Torque switches are not applicable	Position Limit setting shall be provided, however internal pressure shall be monitored in order to prevent excessive torque.
20	59/95	5.2.12		Torque switches are not applicable	Travel Limit Switch shall be provided.
21	59/95	5.2.14		We will provide Modbus communication from the actuator. FCU and Master control station are not applicable	As existing ROSOV are on Modbus and 2 Wire system, Bidder to follow tender specifications for communication protocol to maintain the uniformity for PLC system at Owner's Premises.
22	61/95	5.2.15.2		Solenoid Valve will be as per Rotex standard and the same will be housed inside the complete EHF head, whole EHF is Exd and PESO certified. Voltage 24 VDC.	The Location is having 440 V AC supply, Bidder to note that, provision of 24 V DC supply will be technically not feasible for these MOV.
23	61/95	5.2.15.4		Junction box viz, Terminal box is an integral part of the actuator.	Noted. However Local Push Button shall be supplied for each ROSOV separately as per Tender Document.
24	62/95	5.2.15.8		Please clarify, whether fire proofing is required or not.	As per tender clause no. 2b and 2c, all actuator accessories shall be flame proof along with mandatory requirement of fire safe valves as per API 607 hence fire proofing is not envisaged.
25	78/95 Data sheet of Actuator	29		Make Of ROSOV Electro- Hydraulic Actuator – We request you to add Rotex Make also, as they have supplied nearly 700 ROSOV Electro-hydraulic actuators. Refer PTR and other details attached.	Noted. Additional make ROTEX or any other make equivalent to preferred makes is allowed.
26	14/95 BID-QUALIFICATION CRITERIA	3.1		Since you are accepting bids from agents of international companies, you should also accept bids from authorized distributors/dealers of approved Indian manufacturers. You are requested to amend your eligibility criteria accordingly. Also, as per the GOI guidelines, MSMEs should be given preferences while evaluating bids.	1. Authorized distributors/dealers of Indian manufacturers are also permitted to quote; however in this case bidder shall submit back to back guarantee provided by the original equipment manufacturer (OEM) and shall provide after sale support and should have supplied at least 12 Nos of Triple Offset Butterfly Valves with actuators as mentioned in bid qualification criteria. 2. Evaluation of bids shall be done as mentioned in tender documents.
27			EMD Fees – 1 Lakh	Previously we were having NSIC & MSME certificate but after change in policy by the central government in PPLC policy , now NSIC & MSME is converted to MSEM UDYAM REGISTRATION CERTIFICATE (Attached) – Please clarify do EMD is waive off on submitting the UDYAM AADHAR CERTIFICATE because now NSIC/MSME is converted to MSME UDYAM REGISTRATION CERTIFICATE as technically it has to be used in lieu of submission of EMD fees. Please clarify and approve to enable us to bid on the tender.	MSME UDYAM Registration Certificate is acceptable.
28	33		List of preferred vendors	We are supplying ROSOV valves from last 30 years to IOCL ,BPCL,HPCL ,CAIRN terminals and refineries with a enrich experience on this product and after sales service . (We are attaching the reference list) for the same and can provide the performance certificate from the PSU's issued in appreciating our product and after sales service support. Can we quote on this tender as our name was missing in preferred vendor list.	Noted. Any manufacturer/authorized (distributor/dealer) of indian manufacturer/authorized representative of foreign manufacturer can participate in tender however all necessary Bid criteria shall be applicable and need to be cleared before evaluation of Techno commercial Offer.
29	2		Data Sheet	Please confirm shut off pressure	Please refer technical datasheet and Specifications
30	2		Data Sheet	Do we have to supply API 609 monogram marked Butterfly valve or have to submit the API 609 certificate only.	Bidder shall supply API 609 monogram marked Butterfly valves. However submission of API-609 certificate is required as per bid qualification criteria.
31	2		Data Sheet	Factor of safety	Safety margin of 25% (1.25x) based on valve torque as defined in API 6D
32	2		Data Sheet	Fail safe position in all failure	Valve shall be Shut off
33	2		Data Sheet	We will provide SIL for individual item not for complete assembly – Please clarify	Noted . Complete actuated valve assembly shall have capability for use in SIL 3 application.

34	10	12	Technical specification -API 607 Certification	We are already having API 607 certificate and giving the same to the customer for the similar kind of valves , as per the tender Please clarify do we require to do fire safe testing as per tender requirement or submission of API 607 certificate is sufficient.	Bidder to abide tender specifications and Refer Clause 7.5 Sr. No. 7 on Page No. 27 of 33 of Bid Document.
35	12	5.5	Electro Hydraulic Actuator for Shut Down Applications	VM's to confirm.	Please refer technical datasheet and Specifications
36	21	5.2.15.4	Accessories	Junction box viz, Terminal box is an integral part of the actuator.	Noted.
37	21	5.2.15.8	Accessories	Please clarify fire proofing is required or not.	Required.
38	ANNEXURE -B PROCESS DATASHEET FOR ROSOV AND ACTUATOR	18	Face to Face : API 609, Long Pattern	We request you to only use Long Pattern body Size only and not the short pattern as valve is going to be mounted on the nozzle and long pattern can only sustain the certain surge in pressure due to quick & sudden closing of valve , were as short pattern disc will break up in certain high pressure . Please refer to the attached stating advantage of using long pattern over short pattern at nozzle in tank farm.	Bidder to follow Tender specifications and shall proceed with Long Pattern Valve only.
39	ANNEXURE -B PROCESS DATASHEET FOR ROSOV AND ACTUATOR	18	Electro Hydraulic Actuator	As per data sheet for Electro Hydraulic Actuator fire proofing is required ,here we want to confirm that we will provide fire jacketing as per UL -1709.Kindly review and confirm	As per tender clause no. 2b and 2c, all actuator accessories shall be flame proof along with mandatory requirement of fire safe valves as per API 607 hence fire proofing is not envisaged.
40				Looking at he medium to ATF fuel , we request you to please also allow to use Stem material as 17 – 4 PH which is superior to SS 410 &SS 431. and more suitable for such conditions.	Successful Bidder shall furnish the details and comparison of material superiority post award of the Contract.
41	ANNEXURE -B PROCESS DATASHEET FOR ROSOV AND ACTUATOR			Point 27b – Our query is that the signal is analog output from actuator, i.e. 4..20 mA, whereas the communication between actuator and master station and control room will be on modbus. Please clarify.	The signal to actuator from PLC shall be thru Local Push Button for ON / OFF. The communication between actuator and control room thru Master Control Station will be on modbus.
42				The approved makes of Tripple offset Butterfly Valves are given in the tender where our DelVal name is not there. With your permission, we would bid with our own DelVal make Tripple offset Butterfly Valve with Approved/Equivalent make of Electro-Hydraulic Actuator, complying 100% to the tender specifications. Please give your approval.	Noted. Any manufacturer/authorized (distributor/dealer) of indian manufacturer/authorized representative of foreign manufacturer can participate in tender however all necessary Bid criteria shall be applicable and need to be cleared before evaluation of Techno commercial Offer.