

Subject: Reply to pre-bid queries | ARC for Globe type DRS supply with comprehensive AMC | Main Tender

Ref. Documents:

No Attachment

Technical Pre-Bid Queries Main Tender ID - 321143 RATE CONTRACT FOR SUPPLY OF VARIOUS SIZES OF GLOBE TYPE DRS WITH COMPREHENSIVE AMC ACROSS GEL						
Sr. No	Page No./ Clause no.	Title of Clause as per tender	Description of Clause as per tender	Bidders query	GEL reply	Bidder
1	Vendor List of PRV	Technical Specificatio ns	Approved Vendor List	Pietro make is approved in all CGD companies such as GAIL, IOCL, BPCL, GAIL Gas, HNGPL, SGL, Torrent Gas, IGL, Gail, Gujarat Gas, IOAGPL, and other CGD projects. we request you to kindly approve Pietro make Pressure Regulator.	Pietro has been qualified for PRV/PRV with integrated SSV and CRV. Regulator Aperflux 851 model and for CRV VSAM 58 are under review and may be updated to bidders on successful approval.	Bidder-1
2	Kimpex Make Filter & Canopy Acceptanc es	Technical Specificatio ns	Approved Vendor List	We have participated in the recent Gujarat Gas tender for filters (E tender no. 309880) and Canopies (E tender no.284931) and have successfully qualified in the both tenders. On the basis of that, we understand that Kimpex make Filters and Canopies are approved in your vendor list and same can be supplied in this tender. Kindly provide us acceptances.	Bidder to submit documents pertaining to supply of Kimpex make Filter & Canopy to GEL or Other CGD company. In tender id- 284931 Supply of canopies, bidder was qualified based on IMS supply with canopy as integrated part, while canopy was manufactured by other vendor in all documents submitted in Tender against PO 56-776 and PO 56-760 Dual IMS. In tender of Filter (E tender no. 309880)- Bill of material for PO issued by CGD entity are not submitted	Bidder-1
3	Process Pressure for line size selection	Technical Specificatio ns	-	Please confirm inlet & outlet Pressure to be consider for skid line size design.	Skid line size to be designed on based on minimum design pressure /Pressure range Inlet pressure : 10 to 40 Barg Outlet pressure: 1.5 to 6 barg	Bidder-1
4	Piping Schedule	Technical Specificatio ns	-	As per the PMS 4” SCH.80 is mentioned in 150 # and 300#. Kindly confirm the Schedule.	Bidder to follow PMS	Bidder-1
5	Piping MOC	Technical Specificatio ns	-	In 300# the material specified is LTCS for filter but in the line size it is CS. Kindly Confirm the filter & Pipe line MOC.	Filter Shell MOC : 150# & 300#- MOC- ASTM A 106 Gr. B (Charpy test at 0 deg C). Pipeline MOC as per PMS. In 150# and 300# no LTCS material is required.	Bidder-1
6	Delivery Schedule	-	-	Delivery period of critical bought out items is 14-16 weeks from the approved vendor list. We are currently experiencing additional delays of approx. 2-3 weeks of these items due to ongoing geopolitical issue as global supply chain is badly affected. Thus, we kindly request make the delivery period for the 1st lot 18-20 weeks and subsequent lot 14-16 weeks.	1st lot - 16 weeks, Rest Lot 10 weeks	Bidder-1
7	pg no.11 / cl no. 9	Section II- B-ANNX-05 Approved Vendor List	Active+Monitor Regulator	Please confirm if Pietro make regulator is approved and if "yes " , please suggest approved model no. of same	Bidder to refer reply of Sr. no. 1	Bidder-2
8	pg no.11 / cl no. 9	Section II- B-ANNX-05 Approved Vendor List	CREEP RELIEF VALVE	Please confirm if RAJASHREE OR LESER make CRV is approved and if "yes " , please suggest approved model no. of same	Bidder to follow approved vendor list, neither RAJASHREE nor LESER are qualified for CRV.	Bidder-2
9	Applicable to Datasheet of Flange/Fitt ings/Ball valve/Glb valve/ Check	Body Material : MOC	MOC	As per datasheet Body material i.e MOC for 300 cls application is to be A105 Flanges /Fittings / A106 for Pipes / ASTM A 216 Gr WCB (Charpy test at 0°C) for Ball valves etc i.e non LF2 material , please confirm if my understandind is ok.	Bidder to follow the data sheet. In 150# and 300# no LTCS material is required.	Bidder-2

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	valve and Regulator					
10	Pg no. 16/cl no. 11	11. Vendor's Scope for AMC of DRS/CPRS (Preventive & Breakdown Maintenance)	VENDOR shall carry out free preventive and breakdown maintenance activities during warranty periods. Periodicity of preventive maintenance shall be maintained as per AOMP attached with tender document during the warranty period.	As per my understanding , Free of charge "comprehensive" PMS and Breakdown maintenance to be carried out during warranty period , also please clear that in comprehensive service calibration of instruments is included?	Any breakdown maintenance shall be free of charge with no extra cost to GEL during warranty period and during Comprehensive AMC period of five years as per tender scope. Bidder to refer scope of AMC work and checklist for activity involved. Annual maintenance plan and frequency of all activities including calibration of instruments are mentioned in the tender document.	Bidder-2
11	Pg no. 16/cl no. 11	11.3 Vendor shall ensure the below precautionary Measures while executing the AMC of DRS/CPRS:	All spares and services required to carry out the above AMC is under the scope of Vendor. Vendor shall keep a stock of recommended spares for each capacity of DRS/CPRS at their workshop & bring the same to carry out AMC of DRS/CPRS supplied at their end and also maintain the same in one kit at each operations head office of GUJARAT ENERGY which shall be used during the emergency only with prior approval of Manager- Technical	Please confirm - I understand that minimum 1 set of each regulator (A+M) spare kit is to be supply along with skid and same has to be consider in our quotation and additinally we have to maintain stock at our workshop,which can be used on as per need basis.(in supplier scope"considered in comprehensive maintainance")	No spare kit is to be supplied with skids. Bidder has to maintain / arrange kit required be used in case of Break down/Comprehensive service during/after warranty or in Comprehensive AMC period.	Bidder-2
12	Pg no. 16/cl no. 11	11.3 Vendor shall ensure the below precautionary Measures while executing the AMC of DRS/CPRS:	Any spares/ material changed during maintenance shall be provided with minimum 6 months warranty from the date of installation of spare	Please confirm - that Spare kit of regulator or PSV/CRV is Mandatory to change on specific interval of time like on every 1 year or 2 year - Or it is as per need /requirement basis i.e on malfuction	Spare kit of regulator or PSV/CRV to be changed at time of Break down / scheduled overhauling work. Current frequency of overhauling is 5 years and subject to change.	Bidder-2
13	Page No 1 of 3	Annexure 13	<u>Datasheet.</u> Wafer Type Check Valve for Valve Size 2" and above.	We understand that Wafer Type NRV is accepted for all the Non Return Valve Sizes. 2",3",4",6" x 150# Please Confirm.	Bidder to follow GEL Technical Specification clause no 5.1.1. where in Swing Type Check Valve is mandatory.	Bidder-3
14	Page No 12 of 17 Page No 04 of 04 Page No 02 of 06	Annexure 08 Annexure 09 Annexure 04	TPIA shall issue EN 10204 3.1/3.2 certification for testing & inspection of valves as per requirement of PO.	We understand that All Valves should be Supplied with EN 10204 3.1 Certification. Please Confirm.	3.1 Certification is required. Bidder need to arrange all documents required as per Scope of work of all bought out items.	Bidder-3
15	Page No 11 of 18	Annexure 05	STUD & NUT / BOLT	We understand that only STUD & NUT / BOLT should be Hot DIP Galvanized.	All CS/AS stud bolts and nuts shall be hot dip galvanized as per ASTM A 153. Stud bolts shall have full continuous threads & lengths shall be ½" longer than that specified in ASME B 16.5 with the provision that a minimum of two thread & maximum of three threads outside each nut & complete with 2 threads to facilitate Stud / bolt tensioning. Stud bolts shall be threaded full length with two heavy hexagonal nuts.	Bidder-3
16	Page No 11 of 18	Annexure 06	Pipe & Fittings	As per PMS Hot dip galvanized is not mentioned however as per QAP 20 % witness of HDP is mentioned for Galvanizing of Pipe, Fittings and fasteners as per ASTM A 153. Bidder requesting to remove the requirment of HDP considering safety of welder during fabrication also there is no	Bidder to refer Datasheets of all bought out items and Painting datasheet for all individual items which shall be procured as bought out items.	Bidder-3

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				any CGDs across india have this type of specification Please find enclosed letter regarding the same.		
17	Page No 10 of 19	Section II : - B - Technical Scope of work DRS	Vendor shall consider the minimum inlet/outlet size of the skid and Filter size as tabulated below.However, final sizing calculation shall be submitted by the Vendor	We understand that GEL requirment is to consider inlet & outlet size need as given table and line size can be considered as 20 M/s Before filter and 30 m/s after filter , Please confirm	Bidder to follow the minimum inlet/outlet size of the skid and Filter size to maintain uniformity in DRS procured by GEL through multiple vendors over the time.	Bidder-3
18	Page No 10 of 19	Section II : - B - Technical Scope of work DRS	Min. Filter Shell Size as per table	Please confirm Shell Size to be consider as per table or as per Annexure 16 as the data mentioned in both document are different hence please coonfirm which document to be reffered by bidder	Bidder to refer revised datasheet of filter for Filter shell size and filter element size	Bidder-3
19	Page No 11 of 19	Section II : - B - Technical Scope of work DRS	Foundation Bolt Set MS M16 x 300 LG	We request GEL to please accept M16 X 125mm	Bidder to follow GEL requirement of supplying Foundation Bolt Set MS M16 x 300 LG	Bidder-3
20	Page No 11 of 19	Section II : - B - Technical Scope of work DRS	Baseframe IS 2062 Gr. A ISMC-150 x 75	We request GEL to please accept for 3 " and Below line size basfrme can be consider ISMC-75X40 and please accept for 4" line size basfrme can be consider ISMC-100X50, Please Confirm	To keep uniform base frame, bidder to follow GEL sizing mention in technical scope of work. Base frame- ISMC-150 x 75 and Support- ISMC 100 x 50.	Bidder-3
21	Page No 11 of 19	Section II : - B - Technical Scope of work DRS	Support IS 2062 Gr. A ISMC 100 x 50	We request GEL to please accept for 4 " and Below line size support can be consider ISMC-75X40	To keep uniform base frame, bidder to follow GEL sizing mention in technical scope of work. Base frame- ISMC-150 x 75 and Support- ISMC 100 x 50.	Bidder-3
22	Page No 5 of 19	Section II : - B - Technical Scope of work DRS	Base frame with or without canopy as per purchase order.	We understand that FRP Canopy is requried as per technical specification given in Annexure 28 , Please confirm	All DRS shall be procured with FRP canopy.	Bidder-3
23	Page No 5 of 19	Section II : - B - Technical Scope of work DRS	5.1.3 Meter Spool piece • Shall be provided as per the dimensions provided in this document • Shall have thermowell provided on meter spool.	We request GEL to please provide purpose of thermowell provision on meter spool and also confirm is it requried in both the spool , Please Clarify	Bidder to refer revised P&ID	Bidder-3
24	Page No 9 of 19	Section II : - B - Technical Scope of work DRS	Spool for meter and additional spool length for replacement of lower size meter to be provided separately.	Please confirm the selection criteria for Ball Valve having Tag No : 0540 to 0542 and Globe valve having tag no : 0507	Based on line size of outlet, Ball Valve having Tag No : 0540 to 0542 of same size. Globe valve and isolation valves at by pass arrangement shall be 500 SCMH - 2" 1000 SCMH and 2000 SCMH : 3" 5000 and 10,000 SCMH : 4"	Bidder-3
25	Page No 1 of 1	Annexure 01 Typical P&ID	DPG Manifold	We request GEL to kindly accept 3 Way Valves manifold instead of 5 valves	DPG manifold is 5 way valves only along with other 2 valves are inlet and outlet valves.	Bidder-3
26	Page No 1 of 1	Annexure 01 Typical P&ID	RTD	We understand that RTD is requried in seprate spool and it is not included in meter spool , Please confirm	Bidder to refer reply Sr No 23	Bidder-3
27	Page No 12 of 24	Annexure 05	Filter	We request GEL to kindly accept Inel make filter which was alrady previously approved and supplied in Gujart Gas and also supplied in many CGDs	Bidder to follow approved vendor list provided with this tender	Bidder-3
28	Page No 10 Of 24	Annexure 05	Check /Non Return valve	We request GEL to kindly accept Expert make NRV which complies to your given datasheet , Please Confirm	Bidder to follow approved vendor list provided with this tender	Bidder-3

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29	Page No 9 of 24	Annexure 05	Floating Ball Valve Size 3" NB and below	We request GEL to please accept Shiv Shakti make ball valve for below 4" and globe valve as Shiv Shakti is already approved in your approved vendor list for 4" and above size	Shiv shakti is included in Approved vendor list for following material A) Ball valves 3PC design S.W. End and Screwed End Size : ½" NB to 3" NB, Pressure rating : 800#, MOC: CS, LTCS B) Globe Valve Screwed End Size : ½" NB to 2" NB, Pressure rating : 800#, MOC: CS, LTCS C) Check valves (Wafer/Swing/Disc) Fl. End Size : ½" NB to 6" NB, Pressure rating : 150#, 300#, MOC : CS, LTCS D) 'Y' Type strainer Flanged End Size : ½" NB to 6" NB, Pressure rating : 150#, 300#, MOC : CS, LTCS	Bidder-3
30	Page No 2 of 3	Annexure 14	Governing Standard EN 334	We understand that bidder has to submit Type Approval Certificate for Regulator clearing mention about there Accuracy and Lock Up Class along with technical bid , Kindly Confirm	Bidder to follow approved vendor list to procure material as per GEL datasheet.	Bidder-3
31	Page 6 of 19	Section II : - B - Technical Scope of work DRS	Pressure regulator shall be designed in such a way that inlet pressure does not come in direct contact with the main valve diaphragm (i.e. loading type of regulator only shall be accepted).	Bidder understand that only Loading Type Regulators are approved , Please confirm our understanding	Bidder to refer GEL data sheet	Bidder-3
32	Section II-B-ANNX-05 Approved Vendor List	Approved Vendor List	Active + Monitor Regulator	We request you to kindly consider M/s Pietro Fiorentini make of Pressure Regulators + SSV	Bidder to refer reply of Sr. no. 1	Bidder-4
33	Section II-B-ANNX-05 Approved Vendor List	Approved Vendor List	Creep Relief Valve	We request you to kindly consider M/s Pietro Fiorentini make of CRV	Bidder to refer reply of Sr. no. 1	Bidder-4
34	Section II-B-ANNX-18 DATASHEET OF CREEP RELIEF VALVE	CRV Data Sheet	Deviation in CRV Design Standards & Body Material	We request you to kindly review and confirm the acceptability of the following deviations for the proposed Control Relief Valve (CRV) of M/s Pietro Fiorentini make. Kindly note that the proposed models fully meet the functional requirements of the tender and, in several aspects, exceed the specified technical requirements. The proposed CRVs are widely used across the world, including in India, and have an established track record of exceptional performance, reliability, and safety. The deviations are as follows: 1. Spring Relief Valve Standard Proposed Models: VS/AM 65 and VS/AM 58 Designed and manufactured in accordance with EN 14382. Certified under European Pressure Equipment Directive (PED) 2014/68/EU. 2. Leakage Class The valve provides bubble-tight shut-off, exceeding Class VI requirements as per ANSI/FCI 70-2 and equivalent to Class VIII as per ANSI/FCI 70-3. 3. Body Material Body material is Aluminium. 4. Radiographic Testing (RT) and Charpy Impact Test These tests are not applicable, as the valve body is manufactured from aluminium. 5. Operating Temperature : -20 to 60 Deg. C The detailed OEM technical catalogue is	Bidder to follow the approved vendor list, however, any other vendor/model of CRV is approved, same shall be communicated to vendors accordingly.	Bidder-4

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				enclosed for your kind reference. In view of the above, we request you to kindly review these deviations and confirm whether the proposed CRV may be considered acceptable for this project. We would also like to highlight that, under the current tender specifications, only one approved CRV vendor is able to comply with all the specified requirements. This effectively limits competition and may result in an uneven bidding environment. Since the proposed CRV meets the functional requirements, complies with internationally accepted standards, and has a proven global installation base, we request you to consider the above deviations and confirm its acceptability to facilitate fair and competitive participation.		
34	Section II-B Technical Scope of Work DRS Pg 8 of 19	Special Notes	All PG's shall have 2 ball valves at root	We understand as per pre bid meeting discussion that bidder needs to follow P&ID and consider one no. ball valve as root valve and one 2 Way Manifold for PG. Kindly confirm our understanding is correct.	Bidder's understanding is correct	Bidder-5
35	Section II-B Technical Scope of Work DRS Pg 9 of 19	Special Notes	Size of the base-frame and Canopy shall be as per the enclosed GAD. However, vendor shall carry out stress analysis before submitting the drawing to GEL for approval.	We request GEL to kindly exclude Stress Analysis from bidder's scope.	Bidder to follow GEL requirement as published in scope of work	Bidder-5
36	Section II-B Technical Scope of Work DRS Pg 9 of 19	Special Notes	Meter Spool Length	We understand as per P&ID that 2 nos. separate spools to be considered for metering. On pg. no. 9 of 19 of Technical Scope of Work one table is provided mentioning spool details for all DRS. Request to kindly confirm that spool length mentioned in the table is for 1 spool piece and bidder needs to consider 2 no. such spool pieces.	Total 2 spools are required- 1 Spool for meter and additional spool length for replacement of lower size meter to be provided separately. In table total spool length is mentioned	Bidder-5
37	Section II-B Technical Scope of Work DRS Pg 18 of 19	Vendor shall ensure the below precautionary Measures while executing the AMC of DRS/CPRS	Ensure at least one DCP type fire-extinguisher is placed near the DRS/CPRS provided by GEL with valid date	We understand that DCP type fire extinguisher shall not be part of bidder scope of supply. Kindly confirm our understanding is correct.	DCP type fire extinguisher shall not be part of bidder scope of supply.	Bidder-5
38	Section II-B Technical Scope of Work DRS Pg 18 of 19	Vendor shall ensure the below precautionary Measures while executing the AMC of DRS/CPRS	Ensure that the area surrounding DRS/CPRS is barricaded	We understand that barrication of skid during AMC shall not be part of bidder scope. Kindly confirm our understanding is correct.	Barricading tape is in bidder's scope. Ensure that personnel are wearing required PPE's as per GEL PPE matrix. Ensure proper Tools & Tackles are available at site locations. Only non-sparking type of tools are to be used.	Bidder-5

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39	Section II-B Technical Scope of Work DRS Pg 18 of 19	Vendor shall ensure the below precautionary Measures while executing the AMC of DRS/CPRS	Ensure that Risk Assessment is done before the AMC of DRS/CPRS to avoid any damage.	We understand that Risk Assessment before AMC shall not be part of bidder scope. Kindly confirm our understanding is correct.	Risk Assessment shall be part of bidder's scope.	Bidder-5
40	Section II-B-ANNX-30 Design and Process Parameters DRS TYPE-1 Pg 1,2 of 2	Pt. no. 6 Design and Operating Data Pt. no. 11 Sizing Criteria	Inlet Operating Pressure: 10-40 Barg Inlet Operating Pressure: 10-26 Barg	As per pt. no. 6, Inlet Pressure Range is 10-40 Barg whereas as per pt. no. 11, Inlet Pressure Range is 10-26 Barg. We understand as per pre bid meeting discussion that bidder needs to consider inlet pressure range of 10-40 Barg for line sizing and regulator sizing. Kindly confirm our understanding is correct.	Inlet pressure range of 10 to 40 barg is for designing of line and regulator. While current operating range of inlet at DRS at GEL is 10 to 26 Barg.	Bidder-5
41	Section II-B-ANNX-16 DATASHEET OF FILTERS Pg 3 of 6	Shell MOC	300# & 600# - MOC- ASTM A 333, Gr.6. wall thickness matching to pipe WT as per GGL Piping and Valve material	As per filter datasheet, shell MOC for 300# filter is LTCS. But as per PMS and individual datasheets of skid components (valves, PRV, SSV, PSV,CRV etc.), all skid components shall be of CS (WCB) MOC. We understand that bidder needs to consider WCB MOC only for filter shell. Kindly confirm.	In 150# and 300# no LTCS material is required.	Bidder-5
42	Section II-B-ANNX-29 PLANNED MAINTENANCE OF ABOVE GROUND DRS	Mandatory Spares		As per respective SOR and Ann 29, we understand that bidder's scope shall be for site maintenance services on manday basis for AMC period and GEL shall purchase spares separately as and when required. Kindly confirm our understanding is correct.	Bidder shall provide compressive AMC based on number of DRS i.e. Functional test twice a year, not based on man-days. Bidder has to maintain/arrange spares/ kit for Break down/Comprehensive service during/after warranty period or in Comprehensive period.	Bidder-5