



**REPLY TO BIDDER'S PRE-BID QUERIES
PROCUREMENT OF FIRE AND GAS SYSTEMS**

**FOR
NAMBOR – GOLAGHAT– NUMALIGARH AREA GAS PIPELINE PROJECT
Tender No : AGCL/BD/PMC-GHT/F&G/2020/158 dated 16/11/2022**



Sr. No.	Tender Clause No. / Annexures	Page No	Clause No	Subject	Bidders Comments / Queries	VCS Reply
COMMERCIAL QUERIES						
1	7.0 of SCC	55/81	7.3 of SCC	PAYMENT TERMS	<p>We request you to ammend the clause as below:-</p> <p>10% value shall be paid on successful Site Acceptance Testing, Trial run, overall commissioning and on submission of Certification for completion of successful SAT, Trial, overall commissioning issued by Engineer – in -Charge / representative at site. In case the commissioning cannot be completed within 90 days after "Overall Completion of Erection (As per Certification of EIC)" or maximum within 180 days from the date of supply due to non-availability of site whichever is earlier, payment against Commissioning shall be released to the successful bidder against receipt of bank guarantee of the equivalent amount to initially remain valid for a period of 1 year after completion of 90 days; i.e; 15 months from the date of "Overall Completion of Erection (As per Certification of EIC)" & shall be extended further, if required.</p> <p>We request you to ammend the clause as below:-</p> <p>10% of supply value on completion of all works including final acceptance, Handing over and submission of Certification for completion of all works including final acceptance, All documents as specified in tender document; Submission of "As built drawing/ documents" and handing over issued by Purchaser/Consultant/ / Engineer – In -Charge (EIC) / representative at site. In case the final acceptance cannot be completed within 90 days after "Overall Commissioning (As per Certification of EIC)" or maximum within 180 days from the date of supply due to non-availability of site whichever is earlier, the payment against Final Acceptance shall be released to the successful bidder against receipt of bank guarantee of the equivalent amount to initially remain valid for a period of 1 year after completion of 90 days; i.e; 15 months from the date of "Overall Commissioning (As per Certification of EIC)" & shall be extended further, if required.</p>	Tender condition shall prevail
2					We request you to provide bid submission extension till 31.12.2022.	Please Refer CORRIGENDUM #1
3					We request the following payment terms 70% of order Value on pro-rata supply of materials 20% of order value on pro-rata completion of erection 10% of order value on successful completion of completion and on submission of 10% PBG valid till of DLP.	Tender condition shall prevail
4					Requesting to kindly waive off the EMD and allow to submit Bid Security Declaration instead OR incase if waiver is not possible requesting to allow submission of EMD in form of BG	Submission of EMD in physical is not allowed. EMD shall be paid Online only as per tender
5		13 of 333	7.4 – Tender Fee	Tender Fee	Please confirm MSME & NSIC Unit are exempted for same as per virtue of same.	Refer Clause 9.1.3 of IFB of Commercial Volume I of II in tender document: Bidders which are registered as Micro / Small Companies / Industries under MSME act 2006 or registered as N.S.I.C shall be exempted from submission of Tender Processing Fee. Such bidders must furnish valid document i.e. valid on the date of bid submission date along with bid to avail the exemption.
6		12 of 333	4.2 - Delivery	For Supply- 3 (Three) months from the date of FOI. For Installation- 3 (Three) months	Mentioned Delivery is very less. Request you to accept as below : For Supply- 6 (Six) months from the date of FOI. For Installation- 6 (Six) months	Tender condition shall prevail
7		14 of 333	8.1.1 – BEC	The bidder shall be a regular manufacturer of Fire & Gas System.	Please confirm bid submitted by Authorized Supplier / Trading House / Sole Selling Agent / Distributor of a Manufacturer shall also be acceptable.	Tender condition shall prevail
8		14 of 333	8.1.4.2 iv)	One manufacturer can quote only through one marketing Organization and a marketing Organization shall offer product of only one manufacturer.	We understood OEM for same items shall be of single manufacturer. Pease clarify this clause.	Tender condition shall prevail



Energising Quality

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9		16 of 333	9.0 – EMD	EMD / Bid Security	We being system integrator and authorized distributor of various OEM's. Our organization registered under MSME & NSIC for above items. Please confirm we are exempted to pay tender fee and Bid security amount. Valid Certificate attached for your ready reference.	Bidder to refer Clause No. 9.2 of IFB & Clause No. 18 of ITB
10		47 of 333	21 – Payment terms	Payment shall be released within 30 days after receipt of relevant documents complete in all respects.	Request you to share alternate payment terms for MSME Bidders.	Tender condition shall prevail
11					Requesting to give an extension of 15 days till 21.12.2022	Please Refer CORRIGENDUM #1
12		49 of 333	26.4 – PRS	The remaining supplies which are completed beyond the contractual delivery shall attract price reduction schedule @½ % per week of delay or part thereof of the delayed delivery value maximum upto 5% of the total order value.	Request you to accept "PRS @½ % per week of delay or part thereof of the delayed delivery value maximum upto 5% of the undelivered value only"	Tender condition shall prevail
13		47 of 333	21 – Payment terms	Payment shall be released within 30 days after receipt of relevant documents complete in all respects.	Request you to share alternate payment terms for MSME Bidders.	Tender condition shall prevail
14				BID due date	Please extend bid submission date further till 31.12.2022	Please Refer CORRIGENDUM #1
15	Tendernotice_1/Section-I/ INVITATION FOR BIDS (IFB)	13	9.2 BID SECURITY / EMD/9.2.1/9.2.2	Bid must be accompanied by a bid security amount of INR 6,24,320/- (Indian Rupees Six Lakhs Twenty-Four Thousand Three Hundred and Twenty only). EMD/ Bid Security may be paid as per Options 1 or 2 below: Option 1: Internet banking through State Bank of India (SBI) or any other Banks listed at State Bank Multi Option Payment System (SBMOPS) on http://assamtenders.gov.in Option 2: In case of non-availability of net banking facility, bidders may submit tender processing fee using NEFT/ RTGS option from any bank against system generated prefilled challan.	Bidder requests M/s AGCL/VCS to kindly accept EMD in the form of Bank Guarantee from any scheduled bank and bidder request M/s. AGCL/VCS to kindly provide the bank guarantee format for EMD.	Submission of EMD in form of BG is not allowed. EMD must be paid Online only as per tender.
16	Tendernotice_1/Section-I/ INVITATION FOR BIDS (IFB)	13	9.2 BID SECURITY / EMD/9.2.5	Bidders which are registered as Micro / Small Companies / Industries under MSME act 2006 or registered as N.S.I.C shall be exempted from submission of EMD. Such bidders must furnish valid document i.e. valid on the date of bid submission date along with bid to avail the exemption.	Bidder requests M/s. AGCL/VCS to kindly confirm whether EMD exemption is applicable to MSME registered authorized distributor / dealers.	Refer Clause 9.1.3 of IFB of Commercial Volume I of II in tender document: Bidders which are registered as Micro / Small Companies / Industries under MSME act 2006 or registered as N.S.I.C shall be exempted from submission of EMD. Such bidders must furnish valid document i.e. valid on the date of bid submission date along with bid to avail the exemption.
17	Tendernotice_1/Section-IV/ SPECIAL CONDITIONS OF CONTRACT	55	7.0 PAYMENT TERMS/7.1/7.2/7.3/7.4	7.1 60% against successful Factory Acceptance Testing (FAT), receipt and acceptance at site. 7.2 20% value shall be paid pro-rata on completion of Erection at individual station and on submission Certification for completion of Erection, issued by Purchaser/ Engineer – In - Charge / representative at site. 7.3 10% value shall be paid on successful Site Acceptance Testing, Trial run, overall commissioning and on submission of Certification for completion of successful SAT, Trial, overall commissioning issued by Engineer – in -Charge / representative at site. 7.4 10% of supply value on completion of all works including final acceptance, Handing over and submission of Certification for completion of all works including final acceptance.	Bidder request M/s AGCL/VCS to kindly accept the payment as follow. • 80% against successful Factory Acceptance Testing (FAT), receipt and acceptance at site. • 10% value shall be paid pro-rata on completion of Erection at individual station and on submission Certification for completion of Erection, issued by Purchaser/ Engineer – In -Charge /representative at site. • 5% value shall be paid on successful Site Acceptance Testing, Trial run, overall commissioning and on submission of Certification for completion of successful SAT, Trial, overall commissioning issued by Engineer – in -Charge / representative at site. • 5% of supply value on completion of all works including final acceptance, handing over and submission of Certification for completion of all works	Tender condition shall prevail
18	Tendernotice_2: Material Requisition for F & G System	9	4.0 SCOPE OF SUPPLY/Part-C: Comprehensive Annual Maintenance Contract (CAMC)	Comprehensive Annual Maintenance Contract (CAMC) for F&G System and FACP - for period of 4 years, applicable after successful completion of warranty phase.	Bidder requests M/s. AGCL/VCS to accept Non comprehensive AMC instead of CAMC as the requirement of CAMC will create a price implication. Also the CAMC prices will be considered for evaluation purpose it will create a considerable price impact as every bidder will quote as per their understanding and the standard followed by them. Thus, bidder would like to propose for non-comprehensive AMC so that every bidder will be at par from the technical point of view.	Tender condition shall prevail



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19		9	4.1 Notes to Vendor/4.1.1 F&G System	Vendor shall quote separately spares for 2-year normal operation and mandatory	<p>We could not find any attached format in tender for 2 year normal operation list.</p> <p>Kindly confirm wither spares for 2-year normal operation will be considered for evaluation purpose or not.</p> <p>Also, if the requirement is for CAMC then there is no need to provide list of 2 year operational spare, as in CAMC bidder will consider required spare for 04 years after expiry of warranty period.</p> <p>Please advice.</p>	Bidder to share recommended spare list based on offered model for 2 Years normal operation and Commissioning.
20	SECTION - I INVITATION FOR BIDS (IFB), Cl no 3.1, Notes -1	9 of 81	Clause 3.1 (Notes)	The above quantities are indicative and for evaluation purpose only. Purchaser reserve the right to increase or decrease the quantity at the time of award.	Please confirm whether the quantity mentioned is the minimum quantity to be supplied or the same will as per actual detail design engineering. Also confirm wether the excess quantity required during detail engineering will be paid extra.	Tender/ SOR Quantity shall be complied
21	PAYMENT TERMS		SPECIAL CONDITIONS OF CONTRACT (SCC),Cl.no.7.1	<p>60% against successful Factory Acceptance Testing (FAT), receipt and acceptance at site, submission of invoice in triplicate, indemnity bond of the contract value and following documents:</p> <p>a. LR or GR (original)</p> <p>b. Packing List.</p> <p>c. Inspection release note by Purchaser/Consultant.</p> <p>d. Dispatch instructions/clearance by purchaser/consultant.</p> <p>e. Proof of customs clearance including payment of customs duty for imports permitted in the Contract.</p> <p>f. Receipt and acceptance of all material designated store at site on submission of Goods Receipt Voucher (GRV) & Certificate for receipt of all Goods as per PO issued by Purchaser/Consultant/ Engineer – in - Charge (EIC) at site. (The material shall be checked as per the packing list of the vendor without opening of the boxes for physical verification (must be verified jointly by Purchaser/Consultant during FAT and recorded). Physical verification will be done during erection of the material along with the representatives of Purchaser/Consultant/ Engineer – in -Charge (EIC)).</p> <p>g. Client Site Visit</p> <p>20% value shall be paid pro-rata on completion of Erection at individual station and on submission Certification for completion of Erection, issued by Purchaser/ Engineer – In - Charge / representative at site. If, erection is not started within 90 days after supply due to non-availability of site, payment against erection shall be released to the successful bidder against receipt of bank guarantee of the equivalent amount to initially remain valid for a period of 1 year after completion of 90 days; i.e; 15 months from the date of FOT site (actual) & shall be extended further, if required.</p> <p>10% value shall be paid on successful Site Acceptance Testing, Trial run, overall commissioning and on submission of Certification for completion of successful SAT, Trial, overall commissioning issued by Engineer – in -Charge / representative at site. In case the commissioning cannot be completed within 90 days after "Overall Completion of Erection (As per Certification of EIC)" due to non-availability of site, payment against commissioning shall be released to the successful bidder against receipt of bank guarantee of the equivalent amount to initially remain valid for a period of 1 year after completion of 90 days; i.e; 15 months from the date of "Overall Completion of Erection (As per Certification of EIC)" & shall be extended further, if required.</p> <p>10% of supply value on completion of all works including final acceptance, Handing over and submission of Certification for completion of all works including final acceptance, All documents as specified in tender document; Submission of "As built drawing/ documents" and handing over issued by Purchaser/Consultant/ / Engineer – In -Charge (EIC) / representative</p>	<p>We request the following payment terms</p> <p>70% of order Value on pro-rata supply of materials</p> <p>20% of order value on pro-rata completion of erection</p> <p>10% of order value on successful completion of completion and on submission of 10% PBG valid till of DLP.</p>	Tender condition shall prevail
22	Tendernotice_1/Section-I/ INVITATION FOR BIDS (IFB)	11	8.0 BIDDER EVALUATION CRITERIA (BEC)/8.1.2	The Bidder should have successfully engineered, manufactured, supplied and installed the offered systems and the same should be in service for at least minimum 5 years period from bid due date.	Bidder request M/s. AGCL/VCS to kindly accept similar supplied, installed and commissioned Fire & Gas Systems to industries like Oil and Gas Pipeline facility/ Refinery/ Petrochemicals/ Oil and Gas Processing Plants/ Fertilizer/ Nuclear Plants/ Power Plants for at least minimum 5 years period from bid due date instead of offered system.	Tender condition shall prevail
23	Tendernotice_1/Section-I/ INVITATION FOR BIDS (IFB)	9	4.0 PROPOSED STORAGE LOCATION & DELIVERY PERIOD/4.2	<p>For Supply- 3 (Three) months from the date of LOI.</p> <p>For Installation- 3 (Three) months from the date of intimation from client/ PMC subject to readiness of the site.</p>	<p>Bidder would like to inform M/s. AGCL/VCS that the scope for this project is vast as design, engineering, supply, multiple state wise sites installation & commissioning with prior statutory approvals as required for execution.</p> <p>Also, considering ongoing shortage of Electronic sub-components worldwide due to COVID-19 pandemic situation has affected the manufacturing/lead time for the materials resulting in delayed deliveries.</p> <p>Therefore, bidder request M/s. AGCL/VCS to extend the completion period from 6 months to at 2 Years (i.e. 12 months for supply and 12 months for installation and commissioning.)</p>	Tender condition shall prevail



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24	BID SECURITY/EMD		SECTION - I INVITATION FOR BIDS (IFB), Cl no 9.2	Bid must be accompanied by a bid security amount of INR 6,24,320/- (Indian Rupees Six Lakhs Twenty Four Thousand Three Hundred and Twenty only).	Requesting to kindly waive off the EMD and allow to submit Bid Security Declaration instead	Tender condition shall prevail
TECHNICAL QUERIES						
1	1009-00-IN-MR-5004 Material Requisition for F&G System	4.0	Pg 5 of 12	F&G system shall consist of Dual 32-bit CPU, Minimum 32 Mbyte SDRAM (Extendable),	Memory of the offered CPU shall be fixed	Tender Condition shall prevail
2	1009-00-IN-MR-5004 Material Requisition for F&G System	4.0	Pg 5 of 12	F&G cabinet (8 nos.) shall be standalone floor mounted, dimensions 800x800x2200 mm (WxDxH)	Dimension of the offered panels will be 1200 x 800 x 2100 (WxDxH) with 100 mm base frame. Kindly confirm	Accepted
3	1009-00-IN-MR-5004 Material Requisition for F&G System	4.0	Pg 5 of 12	F&G system at each location shall interface with proposed new RTU at terminals through secure and redundant communication link;	the requirement of of RTU is not understood. Kindly elaborate the communication protocol for the same and data per RTU	Offered F&G System shall have the provision to interface with Client's RTU via Hardwired as well as Soft link.
4	1009-00-IN-MR-5004 Material Requisition for F&G System	4.0	Pg no 7 of 12	Vendor to facilitate one number of International visits of 2 Nos. client personnel and 1 Nos. PMC/Consultant personnel for FAT or Training sessions or to visit Manufacturer parent company of the SCADA/RTU system for a week.	FAT or training of the offered system happens locally in India, hence international visit is not applicables. Also please note the travel and lodging boarding expenses of people travelling from Customers / PMC / Consultant shall be borne by the Customers / PMC / Consultant	All cost for visits of Customer/ PMC/ Consultant for FAT/ Training in India/ Outside India shall be borne by Bidder.
5	1009-00-IN-MR-5004 Material Requisition for F&G System	4.1.1 4.1.2	Pg no 8 of 12 Pg no 9 of 12	Delivery of F&G system and its accessories shall be at M/s AGCL's Golaghat Sub-Control Room and shall be in the Vendor's scope. Delivery of F&G system and its accessories shall be at M/s AGCL's Golaghat terminal and shall be in the Vendor's scope.	the clause mentioned besides mentions tqo separate place of the delivery of the system. Kindly confirm the location wherein the material are to be supplied	Material is to be supplied in Golaghat.
6	1009-00-IN-MR-5004 Material Requisition for F&G System	8.0	Pg 11 of 12	Preparation for shipment and packing will be subject to inspection and rejection by Company's / Contractor's inspectors	Once the system is cleared for dispatch the same shall be dispatched with the necessary packing. The packing for the same shall not be inspected.	Tender Condition shall prevail
7	1009-00-IN-MR-5004 Material Requisition for F&G System	8.0	Pg 11 of 12	Equipment and materials shall be protected to withstand ocean transit and extended period of storage at the jobsite for a minimum period of 18 months. Equipment shall be protected to safeguard against all adverse environments, such as: humidity, moisture, rain, dust, dirt, sand, mud, salt air, salt spray, and sea water.	Storage at site will be in customers scope	Correct, Storage at site shall be in M/s AGCL scope
8	1009-00-IN-SOW-5004 Scope of Work for F&G System	5.1	Pg 8 of 13	I/O redundancy of 25% is to be maintained.	Kindly elaborate the requirement. How the same is to be considered , if possible with an example	Tender Condition shall prevail
9	1009-00-IN-SOW-5004 Scope of Work for F&G System	5.1	Pg 8 of 13	F&G cabinet shall be SIL 3 rated, IP 54.	We understand that the offer F&G panels shall be installed in a indoor location, hence IP 42 rating panels shall be offered. Please accept the same.	Accepted
10	STANDARD SPECIFICATION FOR JUNCTION BOXES AND CABLE GLANDS	5.1.2	Pg no 6 of 10	Pneumatic Junction Boxes	Not applicable. Kindly confirm the same	Correct
11	Document No.: 1009-00-IN-DS-5004 Datasheet - POINT GAS DETECTOR.	20		Response time - T50 < 3 Seconds	The offered detector shall be having T50 ≤ 4.3 s. Kindly confirm	Accepted
12	Document No.: 1009-00-IN-DS-5004 Datasheet - POINT GAS DETECTOR.	21		Accuracy - ± 2%	Kindly accept detector will be with ±5 % LEL accuracy. Kindly confirm	Tender Condition shall prevail
13	Document No.: 1009-00-IN-DS-5004 Datasheet - POINT GAS DETECTOR.	26		Linearity - <5% FSD	Linearity is not applicable for point type detector. Kindly confirm	Noted
14	Document No.: 1009-00-IN-DS-5004 Datasheet - OPEN PATH GAS DETECTOR	17		Accuracy ± 3% of FS	Accuracy offered shall be +/- 5% of full scale or +/-10% of reading whichever is greater. Kindly confirm	Tender Condition shall prevail



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15	Document No.: 1009-00-IN-DS-5004 Datasheet - BEACON	16		Enclosure Protection - Ex 'd', IP 67	Please note that Beacon are available in IP66. Kindly confirm	Accepted
16	Document No.: 1009-00-IN-DS-5004 Datasheet - MANUAL ALARM CALL POINT	18		Enclosure Protection - Ex 'd', IP 67	Please note that MCP are available in IP66. Kindly confirm	Accepted
17	JUNCTION BOX AND CABINET STANDARD DRAWING			GENERAL ARRANGEMENT JUNCTION BOX	Kindly confirm the Type of JB required i.e for Pair Cable or Core Cable	Refer Page No. - 131 (Standard No.-VPC-SD-IN-032) of Vol.-II of tender
18	JUNCTION BOX AND CABINET STANDARD DRAWING			JUNCTION BOX INSTALLATION DETAIL	Kindly confirm the installation type with qty as the corresponding accessories shall be considered accordingly	Refer Page No. - 131 (Standard No.-VPC-SD-IN-032) of Vol.-II of tender
19	JUNCTION BOX AND CABINET STANDARD DRAWING		Pg 7 of 8	MARSHALLING/SYSTEM CABINET (TYPICAL) STANDARD DRAWING	The reference drawing shared has front and Rear access, however as per the requirement mentioned the panels shall have front access only Kindly confirm front and rear access acceptable for the said project	Front access with double door
20	System architecture			NMS workstation at Golaghat Sub Control Room	We understand that this item is not part of this project supply. Please confirm.	Bidder's understanding is correct
21	System architecture			Leak Detection system at Golaghat Sub Control Room	We understand that this item is not part of this project supply. Please confirm.	Bidder's understanding is correct
22	System Architecture Notes	1	Pg 182 of 249	SCADA architecture requirement	Please provide a brief outline of the SCADA requirement	SCADA is not part of scope of this tender. However F&G system shall have the provision to interface with SCADA/RTU via Hardwired and Soft link.
23	System Architecture Notes	2	Pg 182 of 249	Use of Server based architecture and using existing server as backup server at Duliajan Master Control Room	Kindly elaborate the requirement as we have node based architecture and where is this control room also needs to be known	Not Applicable for this tender.
24	System Architecture Notes	10 & 11	Pg 182 of 249	RTU communication requirement	Kindly explain the requirement of RTU for? And the amount of data to be transmitted	Provision in F&G System to communicate with RTU via hardwired and Serial link is required.
25	System Architecture Notes	13		Existing server	is there an existing system in usage, please provide the details also is any data exchange required with the same.	Not Applicable
26	System architecture			Fibre Optic cable & respective accessories with terminations	We understand fibre optic cable, conversion accessories and termination is not part of scope. Kindly confirm	Bidder's understanding is correct
27				Fire Alarm Control Panel (FACP): Design, detailed, engineering, supply, configuration, testing, installation, rection and commissioning of 2 loop, Addressable, Intelligent Fire Detection and Alarm Panel for automatic fire detection & communication of alarms for various types of detectors installed like multi sensor, loop isolators, manual call points, hooters, beacon etc. installed in respective control room with supporting multiple communication protocol. - 2 Loop Addressable FACP shall be installed in suitable location inside control building at Nambor, Khoraghat, Uriumghat, Golaghat, Numalighar, Thoramukh, Hamiramukh and SV stations(2 Nos.);- 09 Nos. FACP -4 Loop Addressable FACP shall be installed in suitable location inside control building at Golaghat Sub-Control Room;- 01 Nos. FACP Supply, laying of cable inside Control room (Portacabin) between detectors, MCP, hooter and FACP including glanding, termination, ferruling, dressing etc. at both ends. Supply & installation of cable trays (if necessary), supply of erection materials, cable ferrules, cable lugs, cable tie etc. for successful commissioning of FACP.	Please share the drawing for the following area 1) control building at Nambor, Khoraghat, Uriumghat, Golaghat, Numalighar, Thoramukh, Hamiramukh and SV stations(2 Nos.) 2) Golaghat Sub-Control Room; Please also confirm whether networking between all fire fire alarm panel located at different location is required or not. if required, please specify the communication type as all the control rooms are not located nearer to each other.	Only Successful Bidder will get the Control Building layout for each terminal and SV station. Networking between the Stations is via OFC link which is not part of this Tender
28				Unless otherwise specified, FACP shall have mimic to display geographical location of fire. Mimic shall form an integral part of the FACP and shall be located at the top of the panel. When separate mimic panel is specified, it shall either be provided for each zone on mimic panel for display of fire alarm. Mimic panel shall be powered by FACP. Mimic made out of plastic sticker shall not be acceptable.	There shall be LCD/LED display on Fire Alarm Panel. No separate Mimic panel is	Confirmed
		4.7		Integration With Various Plant Systems		
29				For micro processor based system the system architecture and all the activities shall be same as specified above, and the system shall have following as a minimum: e. Dual redundant work station / MMI (Engineering Work Station + Operator's WorkStation);	HMI required to be supplied or not? If Yes, then place of installation of the HMI & size of the monitor.	HMI not part of scope
				General		



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30					Cable trays for Power & Control shall be made available for laying of fire alarm , & F&G cabling. Kindly confirm.	Confirmed
31					Please confirm whether spare (mandetory, commissioning etc) shall be in whose scope. If the same is in our scope then please share the list	Bidder to furnish/provide list of spare mandatory, start up , commissioning as part of Tender requirement.
32					Please confirm if gas mapping study required then the shall be in whose scope	Mapping study not required since location already defined in Tender.
33					SIL-3 certification are not available for Horn, Beacon and Workstations. For Workstation we can provide redundant System however no PC manufacturer provides SIL-3 system. Other devices like PLC Panel, Field instruments like FNG Detectors, Flame Detectors can be SIL-3.Please confirm	SIL 2 is acceptable for Horn,Beacon and Hooter
34					Refer Clause 4.7 of the Design Philosophy page no 180-182, system is asking for CO2 Clean Agent system which is not in scope of supply of the bidder, kindly confirm.	CO2 Clean agent system not part of scope.
35				48-CORE Single Mode OFC	Please confirm whether the 48 core single mode OFC shown as networking cable between various station shall be in our scope or not.	OFC cable not part of scope
36					Please confirm whether fire exit sign shall be in whose scope	Fire Exit Sign shall be part of scope, supply as well as installation in bidder's scope of work and supply.
37					Please share the battery limit for power point available for all F&G & Fire Alarm panel	Client will provide 230 VAC UPS near F&G System and FACP Panel. Further distribution will be Bidder's scope of supply.
38					We found there no various type of detector described in the technical specification which are not mentioned in SOR, please confirm quantity , type of dector, device mentioned in the SOR are final	Tender SOR shall be complied
39					Please confirm hot jobs to install the field detectors permissable or not	No Hot Work is Required
40					Please share underground cables laying procedure	Laying of OFC cables not part of Scope. Bidder to omit installation of cables from scope of work.
41	Part-A -F&G 1. Hardware		10 of 333	<ul style="list-style-type: none"> SIL3 Rated system F&G Cabinet (09nos) & 02nos at SV stations. F&G system at each location shall interface with proposed new RTU at terminals through secure and redundant communication link 	<ul style="list-style-type: none"> Please confirm only PLC & its related modules will be SIL3 certified. Accessories & other communication module shall be as per Industrial standards supplied to M/s. GAIL & other PSU's. Please clarify nos. of floor standing panel to be supplied. Integration at RTU end will in M/s. AGCL scope. 	Bidder's understanding is correct and Total No. of Panel - 08 F&G Panel is required for each 08 stations.
42	Part-B -FACP 1. Hardware		11 of 333	<ul style="list-style-type: none"> Certification Nos. of Panel. Redundant communication 	<ul style="list-style-type: none"> Certification not mentioned. Please confirm SIL Certification also applicable for FACP like F&G system or Non SIL FA controller shall also be acceptable Please clarify nos. of floor standing panel to be supplied. Redundant communication shall be achieve by Redundant CPU. Please confirm Redundant CPU is mandatory or non-mandatory. 	<ul style="list-style-type: none"> -SIL-2 Certification is required. - Refer reply in sl.no.41 above -Redundant CPU is required
43	Part – C - CAMC		12 of 333	Vendor to facilitate one number of International visits of 2 Nos. client personnel and 1 Nos. PMC/Consultant personnel for FAT or Training.	International visit not applicable as we FAT & inspection will be carried out in India only.	All cost for visits of Customer/ PMC/ Consultant for FAT/ Training in India/ Outside India shall be borne by Bidder.
44	Part – C - CAMC		12 of 333	Comprehensive AMC	Request you for Non-Comprehensive AMC	Tender condtion shall prevail
45	FACP		105 of 333	FO patch chords for connectivity to the other vendor package equipment's	Please clarify FO cable & its laying will be in M/s. AGCL scope. Also Integration of Other equipments' will be in M/s. AGCL scope.	FO cable and its laying not in Scope.
46	Datasheet Gas Detector		114 of 333	SIL3 Certification	As per Industrial standard SIL2 Certified Detectors are widely accepted. Please confirm for SIL2 certificate by third party will also be acceptable.	SIL 2 Acceptable
47	Datasheet OPD		115 of 333	<ul style="list-style-type: none"> SIL3 Certification Alignment kit 	<ul style="list-style-type: none"> As per Industrial standard SIL2 Certified Detectors are widely accepted. Please confirm for SIL2 certificate by third party will also be acceptable. Please confirm only 01set of Alignment is suffice to supply for 14nos. of OPD set. 	Bidder's understanding is correct.
48	Datasheet Beacon		116 of 333	<ul style="list-style-type: none"> SIL3 Certification Xenon MOC SS316 	<ul style="list-style-type: none"> Please confirm Non SIL or SIL1/SIL2 will be also be acceptable. Please confirm Joules. Please confirm Instead of SS316 die cast aluminum / GRP will also be acceptable. 	SIL 2 and DieCast Aluminum Acceptable
49	Datasheet Hooter		117 of 333	<ul style="list-style-type: none"> SIL3 Certification MOC SS316 	<ul style="list-style-type: none"> Please confirm Non SIL or SIL1/SIL2 will be also be acceptable. Please confirm Instead of SS316 die cast aluminum / GRP will also be acceptable. 	SIL 2 and DieCast Aluminum Acceptable



REPLY TO BIDDER'S PRE-BID QUERIES

PROCUREMENT OF FIRE AND GAS SYSTEMS

FOR

NAMBOR – GOLAGHAT– NUMALIGARH AREA GAS PIPELINE PROJECT

Tender No : AGCL/BD/PMC-GHT/F&G/2020/158 dated 16/11/2022



Sr. No.	Tender Clause No. / Annexures	Page No	Clause No	Subject	Bidders Comments / Queries	VCS Reply
50	Datasheet MSD		118 of 333	<ul style="list-style-type: none"> • Certification – UL 268 • Enclosure Protection Exd, IP67 	<ul style="list-style-type: none"> • Other certification like EN53/LPCB will also be acceptable. • M/s. AGCL to look into it and clarify non-exd / intrinsically safe Detectors to be accepted. Also IP67 is very higher Protection for MSD. 	Tender Condition shall prevail
51	Others Standard Specifications			<ul style="list-style-type: none"> • Datasheet of FACP • Other items • Accessories • Certification of FACP 	<ul style="list-style-type: none"> • Please send Datasheet for compliance. • Please confirm no Repeater Panel, Fire Suppression System in SOW. • No F&G Testing kit to be supply to M/s. AGCL. • VDS / SIL Certification approved FACP shall also be acceptable. 	<ul style="list-style-type: none"> *Refer as per Tender standard + Specification *As per tender repeater shall be provided for communication of F&G hardwired signal to RTU panel. *Fire suppression system not part of tender. *Number of F&G testing Kit shall be as per data sheet *SIL-2 certification approved FACP shall be provided
52	PART A F&G	BOQ		Cables	Please confirm mentioned quantity is final. Also share quantity for Cable Tray, conduit, trenching & laying of cables quantity.	Tender Quantity shall be complied
53	PART B FACP	BOQ		Cables	Cables & other items quantity are not mentioned. Please clarify.	Tender SOR qty shall be complied
54		BOQ			BOQ should be modify for Supply & services of F&G and FA system separately.	Tender SOR qty shall be complied
55	Tendernotice_2 Material Requisition for F & G System	7	4.0 SCOPE OF SUPPLY/Part-A: F&G System 1-2.	F&G system at each location shall interface with proposed new RTU at terminals through secure and redundant communication link.	The proposed F& G system shall interface with RTU through Ethernet communication. Further configuration in RTU along with necessary Hardware/software shall be in scope of AGCL/ DCS Vendor.We shall provide mapping list with register addresses for further communication. Bidder requests M/s. AGCL/VCS to kindly accept the same	Bidder's understanding is correct.
56	Tendernotice_2: Material Requisition for F & G System	9	4.0 SCOPE OF SUPPLY/Part-C: Comprehensive Annual Maintenance Contactor (CAMC)	Comprehensive Annual Maintenance Contract (CAMC) for F&G System and FACP - for period of 4 years, applicable after successful completion of warranty phase.	Bidder requests M/s. AGCL/VCS to accept Non comprehensive AMC instead of CAMC as the requirement of CAMC will create a price implication. Also the CAMC prices will be considered for evaluation purpose it will create a considerable price impact as every bidder will quote as per their understanding and the standard followed by them. Thus, bidder would like to propose for non-comprehensive AMC so that every bidder will be at par from the technical point of view.	Tender Condition shall prevail
57	Tendernotice_2: Material Requisition for F & G System	9	4.1 Notes to Vendor/4.1.1 F&G System	Vendor shall quote separately spares for 2-year normal operation and mandatory spares. List of spares quoted shall be furnished as per attached formats.	We could not find any attached format in tender for 2 year normal operation list.Kindly confirm wither spares for 2-year normal operation will be considered for evaluation purpose or not.Also, if the requirement is for CAMC then there is no need to provide list of 2 year operational spare, as in CAMC bidder will consider required spare for 04 years after expiry of warranty period. Please advice.	Bidder to share recommended spare list based on offered model for 2 Years normal operation and Commissioning.
58	Tendernotice_2: Material Requisition for F & G System	9	4.0 SCOPE OF SUPPLY	Vendor to facilitate one number of International visits of 2 Nos. client personnel and 1 Nos. PMC/Consultant personnel for FAT or Training sessions or to visit Manufacturer parent company of the SCADA/RTU system for a week. Bidder to quote considering the above.	There are different manufacturers for PLC, F&G devices and FACP. Thus, we request AGCL to accept Training session & FAT for client personnel or PMC/Consultant at their distributor Premises in India Only.	Accepted
59	Tendernotice_2: Material Requisition for F & G System	22	5.0 SELECTION & DESIGN CRITERIA/ 5.1 F&G System	F&G cabinet shall be SIL 3 rated, IP 54. System and marshalling cabinets shall be provided with front access with double leaf hinged lift off door. Cable entry shall be designed for bottom entry through removable gland plates.	Please note that F&G Cabinet shall be NON SIL rated by any manufacture, only the controller and related IOs modules are SIL3 rated inside the cabinet.Bidder request M/s AGCL/VCS to kindly accept the same	Accepted
60	Tendernotice_2: INSTRUMENT DATASHEETS - FIRE AND GAS DEVICES	30	POINT GAS DETECTOR/21	Accuracy: ± 2%	Accuracy of proposed Point IR HC gas detector is ±3% from 0 to 50% LEL, ±5% from 51 to 100% LEL which is as per FM standard 6310/6320.Bidder request M/s AGCL/VCS to accept the same.	Tender condition shall prevail
61	Tendernotice_2: INSTRUMENT DATASHEETS - FIRE AND GAS DEVICES	30	POINT GAS DETECTOR/24	SIL Certification: SIL 3	There is no manufacture in the market that complies with the SIL-3 certification for Open Path & Point Type Gas Detector. Hence bidder requests client to accept SIL-2 Certified Gas Detector instead of SIL-3, as per industry standards.	Accepted
62	Tendernotice_2: INSTRUMENT DATASHEETS - FIRE AND GAS DEVICES	31	OPEN PATH GAS DETECTOR/17	Accuracy: ± 3% o FS.	Bidder requests to kindly accept accuracy of OPGD as ±5% of full scale gas concentration or ±10% of applied gas concentration, whichever is greater	Tender condition shall prevail
63	Tendernotice_2: INSTRUMENT DATASHEETS - FIRE AND GAS DEVICES	31	OPEN PATH GAS DETECTOR/23	SIL Certification: SIL 3	There is no manufacture in the market that complies with the SIL-3 certification for Open Path & Point Type Gas Detector. Hence bidder requests client to accept SIL-2 Certified Gas Detector instead of SIL-3, as per industry standards.	Accepted
64	Tendernotice_2: INSTRUMENT DATASHEETS - FIRE AND GAS DEVICES	32	BEACON/15	Enclosure Material: SS316	Most of the manufacturers provide GRP Enclosure instead of SS316 for MCP, Horn & Beacon as it has more advantages like Low weight at high mechanical strength, corrosion resistance, high UV resistance and colour stability over a long period. Bidder requests M/s. AGCL/VCS to kindly accept the GRP enclosure for Horn, Beacon with IP 66 rating.	Accepted
	Tendernotice_2: INSTRUMENT				There is no manufacture in the market that complies with the SIL-3	



**REPLY TO BIDDER'S PRE-BID QUERIES
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NAMBOR – GOLAGHAT– NUMALIGARH AREA GAS PIPELINE PROJECT

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Sr. No.	Tender Clause No. / Annexures	Page No	Clause No	Subject	Bidders Comments / Queries	VCS Reply
65	DATASHEETS - FIRE AND GAS DEVICES	32	BEACON/19	SIL Certification: SIL 3	certification for Beacon & Horn. Hence bidder requests to accept SIL-2 Certified Beacon instead of SIL-3, as per industry standards.	Accepted
66	Tendernotice_2: INSTRUMENT DATASHEETS - FIRE AND GAS DEVICES	33	HORN/14	Enclosure Material: SS316	Most of the manufacturers provide GRP Enclosure instead of SS316 for MCP, Horn & Beacon as it has more advantages like Low weight at high mechanical strength, corrosion resistance, high UV and colour stability over a long period. Bidder requests M/s. AGCL/VCS to kindly accept the GRP enclosure for Horn, Beacon with IP 66 rating.	Accepted
67	Tendernotice_2: INSTRUMENT DATASHEETS - FIRE AND GAS DEVICES	33	HORN/18	SIL Certification: SIL 3	There is no manufacture in the market that complies with the SIL-3 certification for Beacon & Horn.	SIL 2 certification for Beacon & Horn is Accepted
68	Tendernotice_2: INSTRUMENT DATASHEETS - FIRE AND GAS DEVICES	35	MULTI SENSOR (SMOKE + HEAT)/18	Enclosure Protection: Ex 'd', IP 67	M/s AGCL/VCS to confirm the requirement for Multi sensor detector is for safe area / Hazardous Area.If it is for hazardous area then it should be IS type only with IP 42 rating. Because no manufacturer has multi-sensor with explosion proof i.e. Exd with IP 67.Hence bidder requests to accept SIL-2 Certified Horn instead of SIL-3, as per industry standards.Kindly advise.	Multi sensor detector shall be used in Safe area (Control room/Porta cabin). SIL 2 Accepted.
69	Tendernotice_2:INSTRUMENT DATASHEETS - FIRE AND GAS DEVICES	35	MULTI SENSOR (SMOKE + HEAT)/25	Principle: Ionization + Photoelectric	Please note that Multi sensor detractor are Optical + Photo electric type as Ionization detectors are not available currently due to import liabilities of UV material and multiple restrictions for the disposable of this detector.	Bidder's to note that that Ionization o+ Photo electric or Optical + Photo electric both are acceptable.

NOTE:

Bidder to submit signed & stamped copy of this Reply to Pre-Bid Queries along with Un-Price Bid.