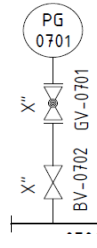
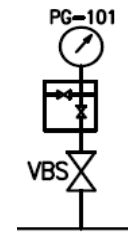


INDRAPRASTHA GAS LIMITED

IGL Bhawan, 4, Community Center,
Sector-9, R.K. Puram, New Delhi - 110022

TENDER NO. IGL/ET2/CP/CP18160
Procurement of MRS Skids along with Data Web Hosting

REPLY TO BIDDER'S QUERY

Sr. No.	Document Reference	Document	Page No.	Clause No.	Query Subject	Bidder's Query	IGL REPLY
1	Volume - I of II	Commercial Volume	13 of 87	11.6	EMD / Bid Security Exemption	EMD / Bid Security Exemption to Dealers	As per the clause, Traders / Dealers / Distributors / Stockist / Wholesalers are not entitled for exemption of EMD / Bid Security, and have to submit the EMD/Bid Security in the form of BG/DD/Banker's Cheque/Online Payment.
2	Volume - I of II	Commercial Volume		3.0 DELIVERY SCHEDULE	3.2 Delivery of 1st lot shall be completed within 16 weeks from the date of LOA/PO and subsequent lots shall be completed within 12 weeks from the date of PO from IGL.	We request IGL to accept Delivery Period as 16 weeks for 2nd LOT as bought out item has minimum 14 weeks of delivery schedule. Kindly Confirm.	Tender Condition Prevails.
3	Volume - I of II	Commercial Volume	9 of 87	BIDDER EVALUATION CRITERIA	7.1 Technical BEC: The bidder should have designed, manufactured, tested, and successfully executed a single order of at least 01 no. of skid (either Filtration, Metering or Filtration, Metering & Regulating) with minimum flow rate (mentioned in below table), to any city gas distribution company/ hydrocarbon industry, in previous 7 years reckoned from the date of floating of this tender	We Request IGL, to please clarify, whether Bidder can consider DRS of 2000 or higher SCM# of 150#/300#, to qualify for the BEC. Kindly Confirm	Bidder understanding is correct.
4	Volume - I of II	Commercial Volume	56 of 87	14.0 Terms of Payment	14.1 85% of the invoice value along with taxes and duties shall be paid progressively within 45 days on receipt of Goods at designated IGL Site / store upon submission of the following: (a) Commercial invoice in triplicate (b) GST Invoice (c) LR of GR (original) (d) Packing List (e) Dispatch Clearance issued by Purchaser (f) Inspection release note issued by Purchaser / TPIA (g) Guarantee/Warranty Certificate 14.2 5% of the invoice value shall be paid within forty-five (45) days after final acceptance of received material by Purchaser on pro-rata basis and submission of final documents 14.3 5% of the invoice value shall be released after successful completion of installation, Testing, Commissioning and Field Acceptance Test of each MRS package at the site and Acceptance thereof by the OWNER 14.4 5% on handing over of hard copies / soft copies of all final document including development of portal for data hosting service and confirmation from the concerned site incharge regarding proper working of the portal & updation of the skid on portal, delay analysis considering time extension (if any) and completion of all work in all respects as per technical as well as commercial specification and acceptance thereof by EIC and adherence to be stipulated terms and conditions.	We Request IGL, to kindly look after 14.3 & 14.4 Clause where there is no upper limit for realising payment is provided, we request IGL to please consider some upper limit (i.e., 1 month, 2 month or 3 month) to realise the payment.	Tender Condition Prevails
5	Volume - I of II	Commercial Volume	10 of 87	BIDDER EVALUATION CRITERIA	The bidder's proposed facility / workshop for fabrication, assembly and testing of the metering skids shall be certified by a reputed inspection agency such as CEIL / Lloyds / DNV / TUV / ABS / Moody/ SGS/ GLI/ Velosi and bidder shall furnish a certificate from the said agency that the proposed workshop has the capability for fabrication, assembly and testing of skids complying the specifications of the quoted skid.	Workshop Manufacturing Facility Certificate shall be approved by BV (Bureau Veritas) also acceptable. We request IGL to accept BV ((Bureau Veritas) Agency.	Accepted
6	Volume - II of II	Technical Volume	12 of 300	Scope Matrix	Electronics Volume Corrector (EVC) battery operated along with inbuilt or external GPRS modem with bypass arrangement as per P&ID	We understand that ,Integral & External both type of Modem's are acceptable. Kindly Confirm	Integral EVC may be accepted subjected to technical requirement like Scada Compatibility. Tender Condition Prevails
7	Volume - II of II	Technical Volume	300 of 300	P&ID	Pressure Gauge isolation with the (Ball valve Glove Valve Manifold) 	Pressure Gauge isolation with the Ball Valve & Manifold is sufficient. Kindly Accept 	Tender Condition Prevails
8	Volume - II of II	Technical Volume	161 of 300	Ball Valve Datasheet	2" Below BS 5351 End Connection	Kindly confirm that socket end connection is accepted for the 2" Below ball valves.	Bidder's understanding is correct.
9	Volume - II of II	Technical Volume	165 of 300	Globe Valve Datasheet	2" Below BS 5351 End Connection	Kindly confirm that socket end connection is accepted for the 2" Below ball valves.	Bidder's understanding is correct.
10	Volume - II of II	Technical Volume	26 of 300	RECOMMENDED VENDOR LIST	VALVES	We Request IGL to kindly accept Hina Valves for Ball Valves, Globe valves & Check Valves (NRV), as we have already supplied Hina Valves in Previous IGL skids. Kindly Confirm	Not Accepted, as M/s HINA has been put on holiday by IGL.



INDRAPRASTHA GAS

INDRAPRASTHA GAS LIMITED

IGL Bhawan, 4, Community Center,
Sector-9, R.K. Puram, New Delhi - 110022

TENDER NO. IGL/ET2/CP/CP18160
Procurement of MRS Skids along with Data Web Hosting

REPLY TO BIDDER'S QUERY

Sr. No.	Document Reference	Document	Page No.	Clause No.	Query Subject	Bidder's Query	IGL REPLY
11	Volume - II of II	Technical Volume	26 of 300	RECOMMENDED VENDOR LIST	VALVES	We Request IGL to kindly accept Shiv Shakti Valves for Ball Valves , Globe valves & Check Valves (NRV) , We can submit PTR for same. Kindly Confirm.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
12	Volume - II of II	Technical Volume	26 of 300	RECOMMENDED VENDOR LIST	PRESSURE RELIEF/SAFETY VALVE/CRV	We Request IGL to kindly accept Nirmal Make for PSV/CRV , we can submit PTR for same. Kindly Confirm	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
13	Volume - II of II	Technical Volume	91 of 300	PRV Data Sheet	1. Accuracy of the regulator shall be better than 1% of set pressure	We understand that , Accuracy class of 1% for Pressure regulator Valve should be mentioned in the EN334 Type Approval Certificate. Kindly Confirm	Tender Condition Prevails
14	Volume - II of II	Technical Volume	91 of 300	PRV Data Sheet	6. Lock up Zone of regulator shall be maximum 5 %	We understand that , Lock up class of 5% for Pressure regulator Valve should be mentioned in the EN334 Type Approval Certificate. Kindly Confirm	Tender Condition Prevails
15	Volume - II of II	Technical Volume	91 of 300	PRV Data Sheet	Radiography	We understand that 100% Radiography is required for Regulators , under the supervision of TPIA. Kindly Confirm	If material is forged then radiography is "Not Applicable". Tender Condition Prevails.
16	Volume - II of II	Technical Volume	-	CRV Data Sheet	CRV Datasheet	We request IGL , to provide Datasheet of CRV as it is not there in tender.	Refer Section 6 of Technical Volume PTS – INSTRUMENTATION FOR PACKAGE UNIT WITH APPENDICES
17	Volume - II of II	Technical Volume	87 of 300	RPD data sheet	Rotary Positive Displacement Meter	We Request IGL to kindly accept Flowmetek make RPD meters , they are in compliance with the datasheet attached in tender , We can submit PTR for same. Kindly Confirm.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
18	Volume - II of II	Technical Volume	93 of 300	SLAM SHUT OFF VALVE	31. Limit Switch	We understand that , limit Switch is required in SSV , Kindly Confirm.	Bidder Understanding is correct
19	Pg 12 of 300 Technical Document		Scope Matrix - Contractor's scope of Work		As per pre bid meeting discussion, we understand that preparation of one power earthing pits and one instrument earthing pit as per requirement, including supply, installation of earthing rod, funnel, earthing strips, connecting with skid frame, instruments etc. is not in bidder's scope of supply. Only earthing point within skid is in bidder scope. PI confirm our understanding is correct.		Refer Clause 6.5 INSTRUMENTATION FOR PACKAGE UNIT WITH APPENDICES Pg. no. 10 of 35 of technical volume i.e. "Supply of earth pits is excluded from contractor's scope". Tender Condition Prevails
20	Pg 141 of 300 Technical Document Pg 161 of 300 Technical Document		Design Temp & Piping Specifications		As per P&ID, design temperature is (-29) - +65 Deg C and as per piping specifications on pg 141 of 300 design temperature (-20)- +65 Deg C, piping MOC shall be LTCS. Whereas as per data sheet for Ball Valves on pg 161 onwards of 300, MOC for Valve Body shall be ASTM A105 or A216 Gr WCB. We request you to kindly confirm bidder to consider skid MOC LTCS or Carbon steel for skid piping and Valves.		Tender Condition Prevails
21	Pg 299 of 300 Technical Document		P&ID Type 1		We understand that Type 1 P&ID is to be considered for 750 SCMH Flow Rate.		Bidder Understanding is correct
22	Pg 300 of 300 Technical Document		P&ID Type 2		We understand that Type 2 P&ID is to be considered for 1500,2000 & 3000 SCMH Flow Rates.		Bidder Understanding is correct
23	Pg 299/300 of 300 Technical Document		P&ID		As per pre bid meeting discussion, we understand that inlet pressure of 4 Bar G & outlet pressure of 2 Bar G to be considered for Line sizing, regulator sizing and meter sizing. PI confirm our understanding is correct.		P&ID given in tender document is schematic and sizing shall be done by vendor during detailed Engineering post tender award, which shall be subsequently approved by IGL as per process requirement
24	Pg 91 of 300 Technical Document		Data Sheet for Pressure Regulated Valves		We understand as the skid inlet pressure will vary considerably as per the provided data. In such case the regulator design should be such that the inlet/upstream pressure should not come in direct contact with the regulator main diaphragm (Loading Type). In otherwise case (unloading type), 1. If inlet pressure comes in direct contact with diaphragm it will affect performance due to hunting issues as regulator will be sensitive to inlet pressure variation also. this will increase the maintenance activity and will reduce life of diaphragm. Such regulator also have impact on the accuracy and lockup pressure of regulator. We request you to kindly accept the Loading type regulator.		Tender Condition Prevails
25	Pg 26 of 300 Technical Document		Recommended Vendor List		We request to kindly accept Hawa Engg (Ahmedabad), GM Valves, Shivshakti Valves for Ball, Globe & Check Valves as same have been supplied in IGL past projects.		Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list



INDRAPRASTHA GAS LIMITED

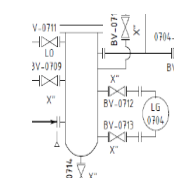
IGL Bhawan, 4, Community Center,
Sector-9, R.K. Puram, New Delhi - 110022

TENDER NO. IGL/ET2/CP/CP18160
Procurement of MRS Skids along with Data Web Hosting

REPLY TO BIDDER'S QUERY

Sr. No.	Document Reference	Document	Page No.	Clause No.	Query Subject	Bidder's Query	IGL REPLY
26		Pg 29 of 300 Technical Document			Recommended Vendor List	We request to kindly accept Rajarshi make for PSV & CRV as same has been supplied in IGL past projects.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
27		General			Certification	We understand that material certificates required for all buyout & skid etc. shall be EN10204 3.1. Kindly confirm.	All Bought out items shall be procured as per Tender QAP under 3.1 certification and TPIA shall review all documents of boughtout items. Skid inspection shall be as per tender QAP/QCT Tender Condition Prevails
28		General			Mandatory Spares	We request to share mandatory spare list, if any, that is to be considered for the skids. Also confirm whether spares cost would be part of bid evaluation or not.	Tender Condition Prevails
29		pg 7 of 87 Commercial Document			GA location allotment	Kindly share location wise allotment of type of skids enable us to consider freight accordingly.	Location shall be as per Project Requirement. Tender Condition Prevails
30		pg 7 of 87 Commercial Document			Delivery Schedule	Request to kindly share lot wise distribution for skid delivery.	Lot shall be as per Project Requirement. Tender Condition Prevails
31		pg 7 of 87 Commercial Document			Delivery Schedule	We wish to inform that for RPD meters and valves we normally get delivery of 14 weeks from vendors and after that we require 1-2 weeks for installation and configuration of same within skid. Hence we request you to kindly accept delivery period of 18 weeks for all lots.	Tender Condition Prevails
32		pg 40 of 87 Commercial Document pt. 29.1			Price Reduction Schedule (PRS)	We request to kindly accept below mentioned PRS: Time is the essence of the Contract. In case the Contractor fails to complete the Work within the Contractual Completion period, then, unless such failure is due to Force Majeure as defined herewith or due to Owner's defaults, the Contractor shall pay to the Owner, by way of compensation for delay and not as penalty, a sum @ ½% (half per cent) per complete week of delay of the value of the "supply portion for the quantity" that is delayed per complete week subject to maximum of 5% (Five Per Cent) of the undelivered contract value instead of total contract value.	PRS shall be applicable as per Commercial Volume Section-SCC clause 8.0
33		pg 56 of 87 Commercial Document			Terms of Payment	We request to kindly accept below mentioned terms of payment: Clause no 14.3: 5% of the invoice value shall be released after successful completion of installation, Testing, Commissioning and Field Acceptance Test of each MRS package at the site and Acceptance thereof by the OWNER or 90 days from date of supply (if commissioning delayed), whichever is earlier.	Tender Condition Prevails
						Clause No.: 14.4: 5% on handing over of hard copies / soft copies of all final document including development of portal for data hosting service and confirmation from the concerned site incharge regarding proper working of the portal & updation of the skid on portal, delay analysis considering time extension (if any) and completion of all work in all respects as per technical as well as commercial specification and acceptance thereof by EIC and adherence to be stipulated terms and conditions or 90 days from date of supply (if commissioning delayed), whichever is earlier.	Tender Condition Prevails
34	Technical volume- Recommended Vendor list			SECTION 3 Page no. 26-29 of 300	Ball valve, Globe valve, Check valve approved vendor	Kindly include "M/s. Hawa Engineers Ltd." in appoved vendor list of Ball Valves, Globe valves & Check valves	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
35	Technical volume- Recommended Vendor list			SECTION 3 Page no. 29 of 300	Approved vendor for Pressure Relief Valve	Kindly Include "M/s. FRS GAZ" in apposed vendor list of Pressure Relief Valve. FRS Regulators are already installed in IGL and are in operation from last 8 years. Please find attached herewith the supporting documents of Relief valves for your consideration.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
36	Technical volume- Recommended Vendor list			SECTION 3 Page no. 33 of 300	Approved vendor for Gas Filters (Cartridge type)	Smart Gas is the manufacturer of Filter shell. We request you to please include the name of Smart gas in the approved vendor list of Gas filters. The Cartridge will be used from Delta Filters.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
37	Technical volume- Recommended Vendor list			SECTION 3 Page no. 48 of 300	Approved vendor for Pressure Regulator & SSV	Kindly Include "M/s. FRS GAZ" in approved vendor list of Pressure Regulator & SSV considering previous supply. FRS Regulators with Inbuilt SSV are already installed in IGL and are in operation from last 8 years. Please find attached herewith the supporting documents of Regulators for your consideration.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list

REPLY TO BIDDER'S QUERY

Sr. No.	Document Reference	Document	Page No.	Clause No.	Query Subject	Bidder's Query	IGL REPLY
38	Technical volume- Instruments datasheet			Page no. 91 of 300	Datasheet of PRESSURE REGULATED VALVE (ACTIVE & MONITOR)	Only Pressure Regulator + SSV combination is shown in both Type-1 & 2 P&IDs. No Active Monitor configuration is shown in P&ID. Please confirm which configuration to be considered or provide revised P&ID.	Tender Condition Prevails
39	Technical volume- Instruments datasheet			Page no. 158 of 300	Datasheet of Cartridge type Gas filter	Datasheet provided for 300#, kindly provide Datasheet for 150# gas Filter	Refer Appendix-2: Process Parameters in PTS – Instrumentation for Package Unit with Appendices. Design Specification shall be as per 150# Tender Condition Prevails
40	Technical volume- Instruments datasheet			SECTION 13 Page no. 163 of 300	Datasheet of Ball valve	Datasheet provided for 300#, kindly provide Datasheet for 150# Ball Valves	Refer DATASHEET- BALL VALVES 1C1 (Doc. No.- DATASHEET BV1C1/IGL/ET2/CP/CP18160) Tender Condition Prevails
41	Technical volume- P&ID			SECTION 38 Page no. 296 of 300	Cartridge type filter with Level Gauge	Considering Dry Gas filter, we request that Level Gauge is not required. Please confirm.	Tender Condition Prevails
42	Technical volume- P&ID			SECTION 38 Page no. 296 of 300	Flow meter at downstream	To minimize the sizing of Flow meter we recommend to consider Flow meter at upstream after the Filter.	Tender Condition Prevails
43	Technical volume- P&ID			SECTION 38 Page no. 296 of 300	Canopy requirement	Kindly confirm canopy requirement for entire skid or instruments.	Canopy is not required for entire skid but canopy for instruments is required.
44			12 of 300	SCOPE OF WORK Clause 8.14	Contractor shall arrange the N2 gas cylinder for SAT at site in line with approved Procedure. However, pipeline natural gas can be used in case of availability at site	MRS Will be provide with Factory Acceptance Test, and performance test will be carried out at site.	Tender Condition Prevails
45			299, 300 of 300	P&ID	P&ID - Ball Valves & Globe Vavles (Root Valves) for PG, DPG.	No need of additional Ball Valve and Globe Valve, Manifold valve/Needle Valve serves the purpose.	Tender Condition Prevails
46			299, 300 of 300	P&ID	P&ID - Ball Valves for PSV and CRV	Ball valves will be provided for the PSV and CRV. However using the same with PSV and CRV will put the entire system under great risk, as human interference is involved, therefore we will avoid to installed the BV before PSV and CRV. Kindly Allow for this.	Ball valves for PSV and CRS shall be provided as per P&ID. These valve shall be lock open type.
47			299, 300 of 300	P&ID	 P&ID - Level Gauge for Filter	MRS Skids is for the Dry natural Gas media, hence no need of the Level Gauge for Gas Filter.	Tender Condition Prevails.
48			299, 300 of 300	P&ID	Flame arrester.	We are recommended Vent cap for protection.	Tender Condition Prevails.
49			299, 300 of 300	P&ID	P&ID - Transition Fittings	Bidder Understand that the TF is not in Bidders scope.	Bidder understanding is correct
50			89 of 300	DPG Data Sheet	Data Sheet Diff Pressure Gauge - Dial Size - 150 mm	Bidder request to accept the Dial Size - 100 mm.	Tender Condition Prevails.
51			92 of 300	PG Data sheet	Data Sheet Pressure Gauge - Dial Size - 150 mm	Bidder request to accept the Dial Size - 100 mm.	Tender Condition Prevails.
52			299, 300 of 300	P&ID	PRV with inbulit SSV	Bidder understand that the PRV is with SSV intergral configuration as per P&ID, please confirm.	Tender Condition Prevails
53			91 of 300	PRV Data Sheet	Accuracy of the regulator shall be better than 1% of set pressure.	Bidder request to accept the Accuracy is 5%	Tender Condition Prevails
54			158 of 300	Filter Data Sheet	Data Sheet Filter	We request you to Davit arm (Without QOEC and Ladder and platform) only for filter shell size of 8" and above.	Noted. However, Ladder and platform will be decided during detail engineering.
55			-	General	Supply of Canopy	Kindly confirm the entire skid is to be under canopy or open area.	Canopy is not required for entire skid but canopy for instruments is required.
56			173 of 300	CHECK VALVES ABOVEGROUND SERVICE DATASHEET	SWING TYPE CHECK VALVE	We request to accept the Wafer Type Check valve.	Tender Condition Prevails.
57			26 of 300	RECOMMENDED VENDOR LIST	Ball Valves/Globe Valves/ Check Valves/ Plug Valves	We request you, allow to use Shree Ram Valves, Libra Valve and Expert Valves make for Ball Valves, Globe Valves, Check Valve/Non Return valve / Plug Valves	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
58			30 of 300	RECOMMENDED VENDOR LIST	STUD BOLTS WITH NUTS	We request you to add Rahul Fasteners make for STUD BOLTS WITH NUTS.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
59			47 of 300	RECOMMENDED VENDOR LIST	PRESSURE GAUGE, TEMPERATURE GAUGE & D. P. GAUGE	We request you to add Precision Mass Products Pvt. Ltd (Previously Ashcroft) Altop Industries Ltd.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list

INDRAPRASTHA GAS LIMITED

IGL Bhawan, 4, Community Center,
Sector-9, R.K. Puram, New Delhi - 110022

TENDER NO. IGL/ET2/CP/CP18160
Procurement of MRS Skids along with Data Web Hosting

REPLY TO BIDDER'S QUERY

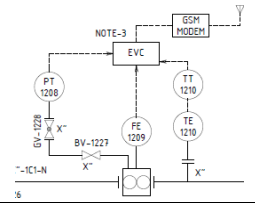
Sr. No.	Document Reference	Document	Page No.	Clause No.	Query Subject	Bidder's Query	IGL REPLY
60			48 of 300	RECOMMENDED VENDOR LIST	PRV	We request you, allow to use Vanaz, Regport make for Pressure regulator.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
61			48 of 300	RECOMMENDED VENDOR LIST	SSV	We request you, allow to use Vanaz, Regport make for Slam Shut of Valve.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
62			33 of 300	RECOMMENDED VENDOR LIST	Filter	We request you allow to use our own SOPAN make filter.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
63			55 of 300	RECOMMENDED VENDOR LIST	Needle Valves / Manifold Valves	We request you allow to use add Baumer and Waree for Needle Valves / Manifold Valves.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
64			29 of 300	RECOMMENDED VENDOR LIST	Pressure Safety Valve.	We request you to add Vanaz, Rajarshi Engineering make for Pressure Safety Valve.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
65			64 of 300	GENERAL DISCRPTION FOR SUPPLY AND DESIGN CONSIDERATION Clause 9.14	The tubing and fittings used for impulse piping shall be of SS 316.	Max. working pressure is 4 Bar, its low pressure system. Hence no need of SS316 fittings. SS304 are suitable for the system.	Tender Condition Prevails.
66			91 of 300	PRV Data Sheet	Radiography - Required.	Since 150# Pressure regulator is required for MRS so radiography for PCV shall not be required.	If material is forged then radiography is "Not Applicable". Tender Condition Prevails.
67			-	General	Flow range & Meter Sizing	Bidder understands to calculate meter sizing and line sizing as per process parameters Kindly confirm.	Sizing shall be done by vendor during detailed Engineering post tender award, which shall be subsequently approved by IGL as per process requirement. (Bidder's understanding is correct.)
68			-	General	Line Size	Bidder understand line Sizing to be done as per process parameter. Kindly confirm.	Bidder's understanding is correct.
69			-	General	Canopy	Bidder understand canopy is required only for instrument. Please Confirm.	Canopy is not required for entire skid but canopy for instruments is required.
70			-	General	Filter orientation	Bidder request to accept vertical filter orientation. Please Confirm.	Only vertical filter filter is acceptable
71			-	RECOMMENDED VENDOR LIST	Creep Relief Valve (CRV) Make	We request to Tractebel Engineering/IGL to accept the Pietro make for Creep relief valve.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
72			-	General	3.1 certification required for the skid	We understand that 3.1 certification is required for complete bought out item. TPIA witness required only at skid hydrotest & final inspection of the skids. All bought out item Test certificated review by TPIA at the time of Skid final inspection.	All Bought out items shall be procured as per Tender QAP under 3.1 certification and TPIA shall review all documents of boughtout items. Skid inspection shall be as per tender QAP/QCT Tender Condition Prevails
73			-	General	Fittings (Elbow, TEE, etc) : Butt weld required for below 2".	Please accept, Socket weld is accepted for the below 2" fittings. (Elbow, TEE, etc).	Same is acceptable
74			-	General	Dual stream filtration	Bidder is praposing Single stream filtration with Duplex filter unit kindly allow the same.	Tender Condition Prevails
75					POWER SUPPLY Contractor shall supply a 12/24 V DC solar power supply system with 72 hrs back up for powering to EVC with GSM/GPRS modem, detectors, and skid equipment's. System should be capable of working in hazardous area.	The supply of solar panels and battery bank to be installed in safe area.	Tender Condition Prevails
76					A common platform consisting of 25 mm thick grating along with hand railing shall be provided for accessing all valves in all skids.	As the skids is mounted on ground so extra Platforms, Railings are not required.	Hand railings are required for valves for which direct accesibility is difficult. Tender Condition Prevails

INDRAPRASTHA GAS LIMITED

IGL Bhawan, 4, Community Center,
Sector-9, R.K. Puram, New Delhi - 110022

TENDER NO. IGL/ET2/CP/CP18160
Procurement of MRS Skids along with Data Web Hosting

REPLY TO BIDDER'S QUERY

Sr. No.	Document Reference	Document	Page No.	Clause No.	Query Subject	Bidder's Query	IGL REPLY
77					General	Bidder is associated with one of the leading meter manufacturing company M/s TANCY Instruments which is more competent and competitive from others. We have already supplied TANCY make meters and EVC to AG&P. Request you to allow us to supply TANCY make meter along with skids.	Tender Condition Prevails
78					Supply, erection, installation & commissioning of 12/24 V DC solar power system along with solar cell, mounting pole, LED to illuminate skid area, 72 hrs battery backup with charger and interconnecting cables.	We request you to please specify the place of the LED light in the Skid area. And the LED light wattage?	LED light shall be mounted on same solar cell pole for illumination.
79					AMR (Automated Meter Reading) System for data logging and hosting services in supplier's server for two years. Supplier shall supply software for remote data monitoring through GSM modem. The software shall be installed in IGL office / control room and actual performance of software for remote data monitoring shall be carried out by Supplier	Bidder understand their scope is limited to GSM Modem communication with server only. Data logging & hosting for two year on supplier server is client scope. If it is in bidder scope, please clarify it is limited to data logging and data hosting only to third party server. SIM Card required for communication will be IGL Scope. Please clarify.	Bidder to refer Appendix -4 Data Hosting Services, MRS data logging and hosting in Server (Supplied by bidder) is in scope of Bidder. Also MRS data shall be made available to IGL office/control room by bidder. Necessary hardware , software including SIM card and it's uses charges are in bidder's scope. Refer Clause 7.3, Section 1, Scope of Work in Technical Volume. Tender Condition Prevails
80					AMR (Automated Meter Reading) System for data logging and hosting services in supplier's server for two years. Supplier shall supply software for remote data monitoring through GSM modem. The software shall be installed in IGL office / control room and actual performance of software for remote data monitoring shall be carried out by Supplier	We understand that Data security will not be in Bidder's scope. Kindly confirm	Bidder to refer cl.n. 3.10 Appendix -4 Data Hosting Services, Data security is in bidder's scope.
81					General	Kindly confirm the AMR scope service needs to be provided only during the skid warranty period.	Refer Clause 7.3, Section 1, Scope of Work in Technical Volume. Tender Condition Prevails
82					Cabling scope	Bidder understands to supply of cable and cabling up to skid JB is in bidder's scope further extension will be in client's scope. Kindly confirm.	All interskid cables are in bidder's scope.
83					Earthing Pit - Preparation of one power earthing pits and one instrument earthing pit as per requirement, including supply, installation of earthing rod, funnel, earthing strips, connecting with skid frame, instruments etc.	Earthing pit preparation is not in bidder scope of supply. Please confirm the same.	Refer Clause 6.5 INSTRUMENTATION FOR PACKAGE UNIT WITH APPENDICES Pg. no. 10 of 35 of technical volume i.e. "Supply of earth pits is excluded from contractor's scope". Tender Condition Prevails
84					Preparation of one power earthing pits and one instrument earthing pit as per requirement, including supply, installation of earthing rod, funnel, earthing strips, connecting with skid frame, instruments etc.	Request to consider the Earthing works into the IGL scope.	Refer Clause 6.5 INSTRUMENTATION FOR PACKAGE UNIT WITH APPENDICES Pg. no. 10 of 35 of technical volume i.e. "Supply of earth pits is excluded from contractor's scope". Tender Condition Prevails
85					Supply, erection, installation & commissioning of 12/24 V DC solar power system along with solar cell, mounting pole, LED to illuminate skid area, 72 hrs battery backup with charger and interconnecting cables.	PI confirm we need to provide the LED inside the canopy or outside the canopy area. 4 hours of battery backup for the LED is sufficient otherwise solar & battery size increased. Not possible to install on skids. PI accept.	Canopy is not required for entire skid but canopy for instruments is required. LED light shall be mounted on same solar cell pole for illumination. Tender Condition Prevails
86					6 Power Supply : Battery operated. Battery life shall be minimum 5 year considering polling twice in a month through GPRS modem	As per the AMR requirement Data polling required once in a day. PI confirm	Tender Condition Prevails.
87					Ports- One port for connection of GSM/ GPRS modem, One spare port (RS 232/485) for future connection to Scada. One optical port for laptop for assessing EVC data with laptop. Required optical cables with connectors/convertors shall be supplied with each EVC.	In the Integral EVC of Romet, only 1 (RS232/RS485) port available which is capable to communicate with the Modem & LAPTOP. This will meet client's technical requirement. Please accept.	Accepted
88					Ports- One port for connection of GSM/ GPRS modem, One spare port (RS 232/485) for future connection to Scada. One optical port for laptop for assessing EVC data with laptop. Required optical cables with connectors/convertors shall be supplied with each EVC.	Romet make EVC connected with the laptop via 12 pin connector. We don't required optical port. Please accept.	Accepted
88					12.6 Supply of RS-232 serial communication port for transfer of solar power system status to SCADA/AMR.	Please elaborate.	Solar Charger controller shall be provided with RS 232 port for monitoring of solar System status i.e. fault , battery status etc.
89					All meters shall be digital	Please elaborate.	Solar Charger controller shall be provided with with Digital Indicator i.e. LED status for charging , Hi current etc.
90					 <p>PT & TT</p>	Please confirm Local PT & TT not required. Pressure Sensor & RTD connected with the EVC.	EVC can be supplied with integral or separate PT & TT.
91					Alarms	Please confirm, SSV limit switch & Gas detector alarms required from AMR on server dash board on Realtime basis. Same shall be forwarded to 03 IGL designated mobiles & Email ids.	Bidder's understanding is correct.
92					Server for AMR (02 Years)	We understand that IGL requirement is for MEITY compliant cloud service for AMR to monitor the MRS & Metering for periods of 2 years. Please confirm.	Refer Appendix 4, INSTRUMENTATION FOR PACKAGE UNIT WITH APPENDICES in Technical Volume. Tender Condition Prevails
93					Solar power with 72 hours battery backup	EVC and GSM modem runs on inbuilt battery. Battery backup will withstand for 5 years under standard condition, therefore there is no requirement of solar powered backup	Tender Condition Prevails



INDRAPRASTHA GAS LIMITED

IGL Bhawan, 4, Community Center,
Sector-9, R.K. Puram, New Delhi - 110022

TENDER NO. IGL/ET2/CP/CP18160
Procurement of MRS Skids along with Data Web Hosting

REPLY TO BIDDER'S QUERY

Sr. No.	Document Reference	Document	Page No.	Clause No.	Query Subject	Bidder's Query	IGL REPLY
94					AMR should have 2 modes of operations which is configurable through a downlink message from Application Server. Mode 1: Instantaneous Gas Consumption Data: Total Gas Consumption Count Mode 2: Hourly Gas Consumption Data (Batch Mode): Hourly Differential Values for Gas Consumption. Mode 1 data should be transmitted as per the periodic interval set in the device while Mode 2 data is transmitted once in 24 Hrs. In this case each packet should contain hourly differential readings of last 24 hrs.	As hourly data of EVC is sync with server through GSM modem every 24 hourly as per clause no . 2.8, Pg no 103. therefore 2 separate modes of AMR is not required	Tender Condition Prevails
95					Gas composition can be entered from key board, Laptop & GPRS (Remotely)	Gas composition can be entered either form keyboard or by connection laptop to EVC	Gas composition entry through EVC Keyboard, Laptop is accepted.
96					EVC should have provision to enter correction factor for compensating any error found in calibration of gas flow meter / Auto correction feature required	Kindly explain the decription and requirement of correction factor	Correction factor is used to convert the flow from actual to ideal conditions for gas billing purpose.
97					Temp. Compensator Required Pressure Compensator Required	We understood that temp and pressure compensator to be termed as temp and pressure tapping for EVC	Bidder's understanding is correct.
98					Lubrication pump with 5 times fill lubricator Required	Manual lubrication provision is present. Lubrication pump not required	Tender Condition Prevails
99					General	Is there any specific make & model defined for EVC?	Tender Condition Prevails
100					General	GSM /GPRS modem installation location. Kindly confirm.	Tender Condition Prevails
101			7 of 87	DURATION OF CONTRACT/DELIVERY SCHEDULE	Delivery of 1st lot shall be completed within 16 weeks from the date of LOA/PO and subsequent lots shall be completed within 12 weeks from the date of PO from IGL.	Request you to consider "Delivery of 1st lot shall be completed within 22 weeks from the date of LOA/PO and subsequent lots shall be completed within 18 weeks from the date of PO from IGL".	Tender Condition Prevails
102			7 of 87	BRIEF SCOPE	-	Please share item wise quantities for 1st and subsequent lots.	Lot shall be as per Project Requirement. Tender Condition Prevails
103			7 of 87	BRIEF SCOPE	-	Please share time span between 1st and sebsquent lots	Lot shall be as per Project Requirement. Tender Condition Prevails
104			56 of 87	TERMS OF PAYMENTS	5% of the invoice value shall be released after successful completion of installation, Testing, Commissioning and Field Acceptance Test of each MRS package at the site and Acceptance thereof by the OWNER	In case of installation and commissioning is delayed due to no fault of bidder, Bidder request Client to release this payment within max. 60 days from the date of delivery of respective skid.	Tender Condition Prevails
105	General				Filter Qty per skid	In MRS 750 / 1500/ 2000 / 3000, Please confirm all Filter 1 no or 2 no's per skid.	Pl refer P&ID. Tender Condition Prevails
106	Vendor List				Vendor List - Filter make	Approval on Filter make - Kimpex has supplied reference of our own make to BPCL, IOAGPL, MNGL, etc. however, we request you to kindly accept the Kimpex make filter. we being established skid manufacturers/ fabricators with equipped manufacturing and testing facilities have supplied our own make filters for all MRS & DRS supplied by us to various CGD's such as BPCL, MNGL, IOAGPL, HCG, AG&P etc. however, we request you to kindly accept Kimpex make filters,	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
107	P&ID		Pg 299 & 300		Pressure Tapping	Please confirm Pressure tapping of PG, DPG, LG, Flushing Conn., Regulator sensing tapping,	P&ID given in tender document is schematic and sizing shall be done by vendor during detailed Engineering post tender award, which shall be subsequently approved by IGL as per process requirement. Tender Condition Prevails.
108	Pressure Regulator		Pg 91 of 300		Pressure Regulator Accuracy	As per DS 1% Accuracy is required, but as per tender specification direct acting PRV. In direct acting and low flow rate accuracy will be 5%. Please provide us acceptances.	Tender Condition Prevails
109	Pressure Regulator		Pg 91 of 300		Pressure Regulator Limit Switch	Confirm Limit switch is required or not.	Tender Condition Prevails
110	General				Canopy	Pl confirm canopy is required or not. If required, pl share specification.	Canopy is not required for entire skid but canopy for instruments is required. Refer DRAWINGS - TYPICAL DRAWING FOR CANOPY (Doc. No.- DR-CNPY /IGL/ET2/CP/CP18160) Pg no. 2 of 2. Tender Condition Prevails
111	Vendor List				Approval on Ball valve Make	Approval on Ball valve Make – SHIVSHAKTI / Zed /Nilon /Micon hubli /Gm Engg. These suppliers are executing valve in other CGD projects.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
112	Vendor List				Vendor List - EVC	Approval on EVC Make – Plum, we are supplying & installing in various CGD skids & also running successfully. Kindly provide us acceptances.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
113	ITP		Pg 187 to 190		Type of certificate	We understand all piping material, regulator, meter, filter, manual valve is required with 3.1 certificate. Kindly confirm.	All Bought out items shall be procured as per Tender QAP under 3.1 certification and TPIA shall review all documents of boughtout items. Skid inspection shall be as per tender QAP/QCT Tender Condition Prevails
114	Process parameter		Pg 95 of 300	Appendix - 2	Skid design Process parameter	As per Appendix -2, Inlet pressure is 3 to 4 barg & outlet pressure is 1 to 2 barg., In Tender P&ID, Inlet pressure is 4 barg & outlet pressure is 2 Barg, pl confirm which parameter need to follow.	P&ID given in tender document is schematic and sizing shall be done by vendor during detailed Engineering post tender award, which shall be subsequently approved by IGL as per process requirement. Tender Condition Prevails.



INDRAPRASTHA GAS LIMITED

IGL Bhawan, 4, Community Center,
Sector-9, R.K. Puram, New Delhi - 110022

TENDER NO. IGL/ET2/CP/CP18160
Procurement of MRS Skids along with Data Web Hosting

REPLY TO BIDDER'S QUERY

Sr. No.	Document Reference	Document	Page No.	Clause No.	Query Subject	Bidder's Query	IGL REPLY								
115	Vendor List				Vendor List - EVC	Approval on EVC Make – Plum, we are supplying & installing in various CGD skids & also running successfully. Kindly provide us acceptances.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list								
116	Vendor List				Vendor List - Gas Detector	Approval on Gas Detector Make – PPS, we are supplying & installing in various IGL skids & also running successfully. Kindly provide us acceptances.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list								
117	Filter		Pg 158 of 300		Filter Pressure Rating 300# / 150#	As per filter DS Design pressure 300#, whereas process data operating pressure 150#. Please confirm filter design shall be 300# or 150#.	Refer Appendix-2: Process Parameters in PTS – Instrumentation for Package Unit with Appendices. Design Sepcification shall be as per 150# Tender Condition Prevails								
118	Filter		Pg 158 of 300		Filter QOC	As per filter DS QOC, for such small flow rate, pressure technically QRC is not recommendable. Kindly reconfirm us.	Tender Condition Prevails								
119	Appendix x-4		104 of 300	2.1	BRIEF SCOPE:- Data logging & transmission by GSM/GPRS modem	Bidder understands either of the 2 technologies are acceptable. Bidder will offer GPRS modem. Please confirm.	Tender Condition Prevails								
120	Appendix x-4		104 of 300	2.6	Supplier must ensure 100% availability of meter reading as IGL specified Billing cycle i.e., on 1st and 16th of every month	In case the area is a poor network zone wherein all possible telecom provider sim cards are not able to operate and irrespective of the device functioning properly; data transmission is not prper; hence 100% data transmission is not possible. Bidder requestes that the data availability rate be set as per actual site conditions up to 90%	Tender Condition Prevails								
121	Appendix x-4		105 of 300	3.7	TECHNICAL REQUIRMENT :- Supplier to provide real time alarms in case of any malfunction / tampering to IGL. The alarm SMS shall be sent to 3 IGL designated phone number and simultaneously email to 3 designated email IDs;	Bidder is offering GPRS based device which can send emails to designated users; possibility of sending SMS is not available in GPRS.	Tender Condition Prevails								
122	Appendix x-4		105 of 300	4	FUNCTIONAL REQUIRMENT / DATA ANALYTICS:- Daily exception report	IGL to specify what daily exception report means	All alarms generated for any functional or operational variance alerts and any other related report for performance efficiency.								
123	Appendix x-4		105 of 300	4	Zero consumption report on daily basis	Bidder offers zero consumption report for 3 days of consecutive 0 gas consumption. Kindly accept	Tender Condition Prevails								
124	Appendix x-4		105 of 300	4	Any updation/modification in reports/formats as per IGL requirement should be done by Vendor without any cost implication	IGL to define what kind of modifications are required and total number of modifications IGL may request during the span of the project. Since this is IT related and scope of modifications is not defined; it is difficult to quantify this requirement.	Tender Condition Prevails								
125	Appendix x-4		105 of 300	4	No Flow	IGL to specify what No flow means; bidder understands NO FLOW and ZERO CONSUMPTION REPORT are the same	No Flow (alarm) shall mean sudden stop of gas supply to the customer								
126	Appendix x-4		105 of 300	4	Zero consumption for 5 consecutive days	Bidder offers zero consumption report for 3 days of consecutive 0 gas consumption. Kindly accept	Zero Consumption Report has to be provided daily. Alarm has to be generated for . Zero consumption for 5 consecutive days								
127			96 of 300 (Technical Volume)		Gas Velocity – The maximum permitted velocity shall be 20 m/s at Inlet & outlet of skid and 30m/s velocity inside the skid for filtered natural gas	Kindly advise gas velocity to be considered through the flowmeter.	Refer Clause 2.3.11 on Page 61, PTS – FILTRATION & METERING SKID in Technical Volume								
128			96 of 300 (Technical Volume)		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Inlet operating pressure bar(g)</th> <th style="width: 15%;">Inlet pressure range bar(g) Min/max</th> <th style="width: 15%;">Outlet operating pressure bar(g)</th> <th style="width: 15%;">Outlet pressure range bar(g) Min/max</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">3 To 4</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1 to 2</td> </tr> </tbody> </table>	Inlet operating pressure bar(g)	Inlet pressure range bar(g) Min/max	Outlet operating pressure bar(g)	Outlet pressure range bar(g) Min/max	3	3 To 4	2	1 to 2	We understand that inlet/outlet line size calculation should be done considering minimum pressure mentioned in appendix 2. i.e. 3 bar and 1 bar. Kindly confirm	Detailed Design Engineering shall be done for complete pressure range and sizing shall be done by vendor accordingly, which shall be subsequently approved by IGL as per process requirement.
Inlet operating pressure bar(g)	Inlet pressure range bar(g) Min/max	Outlet operating pressure bar(g)	Outlet pressure range bar(g) Min/max												
3	3 To 4	2	1 to 2												
129			96 of 300 (Technical Volume)		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Inlet operating pressure bar(g)</th> <th style="width: 15%;">Inlet pressure range bar(g) Min/max</th> <th style="width: 15%;">Outlet operating pressure bar(g)</th> <th style="width: 15%;">Outlet pressure range bar(g) Min/max</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">3 To 4</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1 to 2</td> </tr> </tbody> </table>	Inlet operating pressure bar(g)	Inlet pressure range bar(g) Min/max	Outlet operating pressure bar(g)	Outlet pressure range bar(g) Min/max	3	3 To 4	2	1 to 2	We understand that RPD sizing calculation should be done considering minimum pressure mentioned in appendix 2. i.e. 1 bar. Kindly confirm	Detailed Design Engineering shall be done for complete pressure range and sizing shall be done by vendor accordingly, which shall be subsequently approved by IGL as per process requirement.
Inlet operating pressure bar(g)	Inlet pressure range bar(g) Min/max	Outlet operating pressure bar(g)	Outlet pressure range bar(g) Min/max												
3	3 To 4	2	1 to 2												
130					Approved vendor list (Cartridge filter)	Kindly approve Rockwin make cartridge filter for this project. We are a U-stamp certified fabrication facility and a regular supplier of filters to other CGDs like GAIL, HPCL, IOAGPL, ADANI etc. we have also supplied MRS to IGL with our own make filters. Credential enclosed for reference.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list								

INDRAPRASTHA GAS LIMITED

IGL Bhawan, 4, Community Center,
Sector-9, R.K. Puram, New Delhi - 110022

TENDER NO. IGL/ET2/CP/CP18160
Procurement of MRS Skids along with Data Web Hosting

REPLY TO BIDDER'S QUERY

Sr. No.	Document Reference	Document	Page No.	Clause No.	Query Subject	Bidder's Query	IGL REPLY
131					Approved vendor list (Ball Valves)	Kindly approve GM engineering make ball valves for this project. There are limited indigenous make valves in vendor list, for better delivery it is requested to consider GM engineering make. GM engineering is a approved vendor of GAIL, HPCL, BPCL. We have supplied/are supplying many skids to GAIL, HPCL, BPCL considering GM Engineering make ball valves.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
132					Certification	We understand that all the bought out items shall be required with 3.1 certification. Kindly confirm.	All Bought out items shall be procured as per Tender QAP under 3.1 certification and TPIA shall review all documents of boughtout items. Skid inspection shall be as per tender QAP/QCT Tender Condition Prevails
133			26	Section 3	Approved Vendor List of Ball Valve	Bidder requested that kindly approve the M/s GM Engineering, M/s Shiv Shakti, M/s Petro Valves for Ball Valves. They are regular supplier of Ball Valves in CGD Industry.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
134			28	Section 3	Approved Vendor List of Globe Valve	Bidder requested that kindly approve the M/s GM Engineering, M/s Shiv Shakti, M/s Petro Valves for Globe Valves. They are regular supplier of Ball Valves in CGD Industry.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
135			28	Section 3	Approved Vendor List of Check Valve	Bidder requested that kindly approve the M/s GM Engineering, M/s Shiv Shakti, M/s Petro Valves for Check Valves. They are regular supplier of Ball Valves in CGD Industry.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
136			29	Section 3	Approved Vendor List of PSV & PRV	Bidder requested that kindly approve the M/s Leser, M/s Rajarishi for safety Valves. They are regular supplier of Safety Valves in CGD Industry.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
137			33	Section 3	Approved Vendor List of cartridge Filter	Bidder requested that kindly approve the M/s Autometer for Dry Gas Filter. M/s Autometer regular supplier of Cartridge Type Filter in CGD Industry. M/s Autometer is approved vendor in M/s GAIL, M/s HPCL, M/s Mecon etc. PTR is attached for your kind review.	Bidder to refer Note 2 of recommended Vendor List as provided in the Tender document, wherein vendors outside the list can be accepted subjected to acceptance and approval of Past Track Record of the vendor. Bidder shall estimate at their own risk & cost, in case of non approval of proposed vendor, bidder shall strictly follow tender recommended vendor list. Moreover, the vendor who have supplied similar material/item with similar specifications to IGL then that vendor shall be considered as approved for recommended vendor list
138			299	P&ID	Below 2" Valve	Bidder Understand that all ball & globe valves below 2" shall be socket weld.	Bidder's understanding is correct.
139			299	P&ID	PT & TT in metering Section	Bidder understand that internal PT & TT shall be acceptable with EVC & RPD Meter.	Bidder's understanding is correct.
140			299	P&ID	Instrument Isolation Valves	Bidder Understand that all PG & TT shall be provide with 3/4" isolation Ball & Globe valve with manifold.	Tender Condition Prevails
141			178 - 211	QAP	3.1 Certification	Bidder understand that all brought out item shall be inspected under 3.1 certification. All inspection & testing reports, MTC etc. for brought out items shall be only reviewed by TPIA / Owner.	All Bought out items shall be procured as per Tender QAP under 3.1 certification and TPIA shall review all documents of boughtout items. Skid inspection shall be as per tender QAP/QCT Tender Condition Prevails