

REPLY TO BIDDER'S PRE-BID QUERIES
SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF METERING SKIDS FOR CGD PROJECT IN NCT OF DELHI & NCR
TENDER NO: IGL/ND/C&P/P14218

Tender doc. No.:
P.009355 R11050 002
Owner -Indraprastha Gas Ltd.
Consultant - Tractebel Engineering Pvt. Ltd.
Pre-bid meeting held on 30.05.17
Date: 15.06.2017

Sl. No.	Tender Page No.	Clause No /Description	Bidder's Query/Clarification	IGL/TE Reply
1		Vendor list for Self Actuated Pressure Control valve & SSV	We would like to inform that NIRMAL is OEM for Pressure Regulator , Slam Shut valve categories. NIRMAL is approved Vendor with EIL, GAIL and even with IGL for last FRS tender (IGL Past tender No. IGL/ND/C&P/P12508 & Project no P.003960) Refer enclosed supply reference list for your review. You are requested to accept NIRMAL make Pressure Regulator & SSV.	Bidder to note that as per tender conditions other than those mentioned in tender document can be approved based on the PTR but at this moment no such approval can be granted. Bidder to further note that all the risk related to approval / non approval of such request are into bidders account. Tender Conditions prevail.
2		Vendor list for PSV	We would like to inform that NIRMAL is OEM for Pressure Safety Valve Categories. We already have ASME approved and also used by many gas companies like Gujarat Gas for Natural Gas Transmission & Distribution Application. Refer enclosed supply reference list for your review. You are requested to accept NIRMAL make PSV.	Bidder to note that as per tender conditions other than those mentioned in tender document can be approved based on the PTR but at this moment no such approval can be granted. Bidder to further note that all the risk related to approval / non approval of such request are into bidders account. Tender Conditions prevail.
3			As per our understanding Flow Computer shall be field mounted. Please confirm.	Bidder's Understanding is correct
4		Supply of PT & TT	Please confirm our following understanding: a) PT & TT are required at metering only. b) If Flow Computer is integral with PT & TT no need to provide separate PT & TT for the skid. Please confirm Flow computer integral with PT and TT can be accepted.	Flow Computer with intergal PT & TT is acceptable but shall meet the accuracy as specified in tender doc. Tender Conditions prevail.
5		As per Velocity limit of 20 m/sec, line size of system for flow of 3000 scmh is 3" and line size mentioned in P&ID is 2".	We understand that we are supposed to design the skid in accordance to the velocity limit of 20 m/sec; accordingly line size of mentioned skid is 3", we are supposed to provide the same, Please confirm our understanding	Line size for 3000 SCMH skid shall be decided by the bidder but line velocity shall not exceed more than 20m/s with respect to the process parameters given in tender document
6		Complete Skid including meter is to be calibrated with Ni/Air at 7.7 Barg	We understand that meter is to be dry calibrated @ 7.7 barg with Ni/Air only. No wet calibration is required, Please confirm our understanding	Refer PT- Metering skid with appendix, page 200034, clause 18, sub clause 18.1. Tender condition Prevails
7		Supply of Control Panel	We understand that distance between skid and Panel is 60 mtr and only the cabling from skid JB to Control Room is in our scope. Also confirm hat Control Panel is not in our scope of supply, Please confirm our understanding.	Tender requirement is field mounted flow computer. Refer tender document in details.

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8		Certification involved	We understand that Skids should be certified to EN 10204 Type 3.1 for pressure parts, Please confirm our understanding is correct.	Bidder understanding is correct
9		Quick Opening Enclosure for filters	We understand that QOC is not required for Filters. Filter has to supply with Davit Arm. Please confirm our understanding is correct.	TO provide QOC with Davit Arm. Tender condition prevails.
10		Design Flow for Creep Relief Valve in PRS	Creep Relief Valve should be designed at 1% of full flow. Please confirm our understanding is correct.	Bidder understanding is correct
11		Laptop, printer and GSM Modem are not required	Please confirm that the Laptop, printer, Hand Held Configurator and GSM Modem are not required for this project.	Not required
12		Calibration Software	Kindly confirm the requirement of Calibration Software for Meter & Flow Validation Software that has to be supplied one no for all the skids.	Required software for flow meter and flow computer along with communication cable shall have following feature. 1. Diagnostic in case of any fault. 2. Editing of parameters 3. Configuration of parameters 4. To review alarms/Events 5. Live zero check & zero calibration 6. Calibration facility for process parameters Vendor shall provide license for the supplied software for meter as well as flow computer suitable for windows 8 and above operating system and must be free license.
13		Accuracy fro PT	We understand that required Accuracy is 0.075% in PT	Bidder's Understanding is correct
14		Requirement of PG, DPG, LG	Please confirm that PG, DPG & LG for filters are to be provided, no DPT is required for Filter.	Bidder's Understanding is correct
15		Requirement of Canopy for Meter	As per our understanding small canopy is required only for Mass Flow Meter & flow computer and not for entire skid. Please confirm.	Bidder's Understanding is correct
16		Filter Element Spares	We have to supply the set of filter element as per the quantity mentioned in the mandatory spare list. Each set shall contain filter elements consist of No. of Filter elements installed in one filter. Please confirm our understanding is correct.	Spare filter element is not required

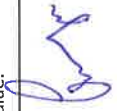
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17			Please confirm that the supply of Flame Arrestor is not in our scope	Bidder's Understanding is correct
18			We understand that Solar Panel and Battery are not in the scope of bidder. IGL will provide 230Vac UPS power supply as per tender specifications in the control room. If solar panel and Battery is to be provided, please confirm number of non-sunny days	Refer PT- Metering skid with appendix, page 200024, clause 4 in detail Tender condition Prevails
19	59/163	Specifications of Pressure Safety Valve: Body MOC: A351 CF8M	Request you to accept Body MOC: A216 GR WCB as such piping & valve body MOC is Carbon Steel Grade only.	Pressure Safety Valve: Body MOC A216 GR WCB shall be acceptable.
20	67/163	Ball valve data sheet	Floating ball valve seat material shall be soft only. Kindly confirm.	Bidder understanding is correct
21	67/163	Ball valve data sheet : Ball valve 2" & below shall be flanged end 300#	For 1/2" to 1 1/2" We request you to accept 800# rating with End conn: socket weld 100 mm pups	Please read as rating 300# & above for size 1/2" to 1 1/2" shall be acceptable for all types of valves like Ball, globe, Check etc. - Refer Corrigendum#1 End conn: socket weld 100 mm pups is not acceptable - Tender condition prevails.
22	80/163	PMS-3C1: 1/2" to 1 1/2" rating shall be 600#		
23	54/163	Specifications for Cartridge Filter : Core element shall be SS	As per PECO catalogue, recommended Core shall be Galvanized or tin plated/CS. Request you to accept same.	Core element has to be SS , Manufacturer to supply the material as per tender specification. Tender condition Prevails
24	25/163	Installation & commissioning: Vendor shall commission the skids after getting the intimation from IGL within the time period specified in the tender document	Vendor will provide only provide supervision of Installation & commissioning; Please confirm our understanding is correct.	Bidder's Understanding is correct
25		LD Clause: sum@ 0.5%(Half Per Cent) of the order value of undelivered supply I uncompleted or delayed work per complete week for delay subject to maximum of 5% (Five Per Cent) of the total contract value.	We request you to apply LD on basic order value and not on total order value.	Tender condition Prevails





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26		P&ID	Size of the Metering Skid for 3000SCMH is Mentioned as 2". Also the Velocity Limit as per tender is 20 m/s.	Line size for 3000SCMH shall be decided by the bidder but line velocity shall not exceed more than 20m/s with respect to the process parameters given in tender document
27		P&ID	Size of BV-0443 is not mentioned in the P&ID.	Size of valve 0443 is 4" dia.
28		PTS-Metering skid, Tender Page 200024, Clause no. 3.0, 3 and clause no. 4.1.2	Clause 3.0, 3) Required Power supply for skid will be provided by IGL at one point. Form IGL provided point to vendor require place shall be done by vendor. Clause 4.1.2)-Supply of power cable from given point to vendor required place (from IGL electrical panel to metering skid electrical point/panel) is not in vendor's scope.	Power Cable from IGL power Point to vendor required place is not in bidder's scope. Further from to flow computer if any shall be in bidder's scope.
29		P&ID	In the Bypass line of the PRS skid, one valve is considered without spectacle blind.	Tender condition prevails
30		QAP-Skid Fabrication and all other QAP for instruments provided in the tender.	Bought-out items may be procured under 3.1 certification. However, TPIA carrying out the final inspection of the skid will review all 3.1 certification of bought-out items and include the details in the final inspection report.	As per QAP Bought items may be procured under 3.1 certification. However, TPIA carrying out the final inspection of skid will review all 3.1 certification of bought out items and include the details in the final inspection reports. These bought out items are mentioned in QAP. Inspection has to be carried out as per QAP.
31		PMS and Filter Datasheet	a) As per PMS, MOC is Normal carbon steel, but as per filter datasheet, MOC is Low temp. Carbon Steel. Also, The temperature range mentioned in the Filter datasheet is (-20) to 70 Deg.C. Whereas as per PMS, it is 0-60 deg.C. b) Quick Opening Closure requirement (QOC)	a) Refer Corrigendum # 3 b) Bidder's understanding is correct

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32	<p>Clause No / Description</p> <p>Page 200031, Clause 11.6, and Page no.200043, Clause 23 of datasheet</p>	<p>Bidder's Query/Clarification</p> <p>Cl.11.6)Calibration of these meters are to be against standard meters calibrated on natural gas at the given process condition with traceability and validity conditions satisfied. However, correlation between water calibration and that with compressed natural gas is to be furnished duly endorsed by accredited test labs for each meter. Same condition shall apply for AGA 11 confirmation.</p> <p>Cl. 23)Hazardous area compatibility, Material Test, Manufacturer's certification, Custody/Transfer approval, AGA 11 Conformance certification and Calibration Certificate on water and natural Gas from accredited test labs with traceability acceptable internationally e.g. GTI_MRF/ GRI/ SWRI/ CEESI/NMI/ECRT etc.</p>	<p>We understand that all meters shall be calibrated on water. Type test report for correlation between water calibration and that with natural gas for the offered model of mass flow meter is to be furnished duly endorsed by accredited test labs (NMI/PTB) as per tender specifications. Please confirm our understanding is correct.</p>
33	<p>Delivery</p> <p>18 weeks for first lot</p>		<p>Refer Corrigendum # 3.</p>
34	<p>Due date</p> <p>Bid submission date</p>		<p>Refer Corrigendum # 2. Bid submission date is already extended upto 22.06.17.</p>
35	<p>Penalty for non performance of Skids</p>		<p>Tender condition prevails</p>
36	<p>D. Documents and data Requirement:</p> <ul style="list-style-type: none"> Material certificate 3.2 		<p>Material Certification and inspection shall be carried out shall be as per QAP. TPIA is in bidder scope.</p> <p>Tender condition prevails</p>
37	<p>Quality Assurance Plan Skid Fabrication:</p> <p>Pipe, Pipe Fittings and Flanges – Lab test witness by TPIA</p>		<p>If material is procured from stockiest, then confirmatory test on samples shall be witnessed by TPIA.</p> <p>Material Certification and inspection shall be carried out as per QAP.</p> <p>Tender Conditions prevail.</p>





Sl. No.	Tender Page No.	Clause No /Description	Bidder's Query/Clarification	IGL/TE Reply
38		18.1 Flow meter Calibration: Type test report for correlation between water calibration and that with natural gas for the offered model of mass flow meter is to be furnished duly endorse by accredited test labs as per tender specification	Since mass flow meters are calibrated using water by Gravimetric method (weight basis) Master meter can be calibrated at accredited lab using Natural Gas as per process conditions but accredited lab will not be able to furnish correlation hence meter manufacturer can submit correlation; pls confirm acceptance for the same.	Correlation between water calibration and natural gas for the offered model of mass flow meter is to be furnished duly endorsed by accredited test labs as per tender specifications.
39		Specification of Mass flow meter: Notes -6: Vendor shall supply one set of calibration software for meter & flow validation software with flow meter	Pls clarify the requirement. Since flow validation software is supplied as a part of flow computer & not with flow meter.	Required software for flow meter and flow computer along with communication cable shall have following feature. 1. Diagnostic in case of any fault. 2. Editing of parameters 3. Configuration of parameters 4. To review alarms/Events 5. Live zero check & zero calibration 6. Calibration facility for process parameters Vendor shall provide license for the supplied software for meter as well as flow computer suitable for windows 8 and above operating system and must be free license.
40		Specification of PCV (Pressure Control Valve) : Body/bonnet bolt or stud: ASTM A193 Gr. B16	Pls confirm the Grade Gr . B7 or B16?	ASTM A193 Gr B7 as per PMS Tender Condition prevails.
41		Specification of SSV with SOV : Trim Material (seat & Plug) : AISI 316 SS sterilited Permissible leakage: Class VI as per ANSI FCI 70.2	In case of metal seated SSV – leakage class VI is not possible. So seat shall be Soft seated; pls confirm acceptance for the same.	Bidder understanding is correct.
42	Technical, Vol II of II Rev-0	Appendix - 5 : Tentative BOM PSV – Pressure Safety Valve: 0 3 nos	Pls clarify Qty of PSV? As per P&ID only two numbers required	Bidder's Understanding is correct As per P&ID two number of PSVs are required per skid.

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43		C14218_TID_61_Corrigendum-1	<p>GTS-Filteration Skids- 70000740 GTS/0006:</p> <ul style="list-style-type: none"> • P&ID shows Redundant (dual streams) filters • LT shown in P&ID • PT & DPT shown on Filter P&ID • Inlet valve: one Manual IDB valve by passed for pr. balancing, with 2" manual valve in series (one block valve & one throttling valve) The IDB valve is provided with Open & Close limit switches • Filter Drain point – two valves shown (one Isolation & one throttling) • Filter Instruments signal interface with SCADA system 	<p>Pls clarify No of filters requirement?</p> <p>Pls clarify the Level transmitter requirement?</p> <p>Pls clarify whether PT & DPT are required?</p> <p>Pls clarify the Manual valve IDB (Internal Double Block & Bleed) with limit switch requirement? Whether 2" equalizing valves required??</p> <p>Since the main P&ID does not shown with equalizing valves.</p> <p>Pls clarify the filter drain valve requirement? Whether one isolation valve is sufficient or two as per filter GTS P&ID</p> <p>Pls clarify if bidder has to supply PT, DPT & LT for filter then how that signals from instruments to be communicated to IGL SCADA system. Whether it will be part of flow computer I/O counts?</p>
44	Doc no. P.009355 I - 11097002 PTS - Metering Skids with Appendices	23	Approval certificate from Chief Controller of Explosives (CCOE)/PESO is mandatory for all electronic / electrical instruments / equipment to be installed in india, in respective of country of origin.	PESO/CCOE or related ATEX/FM/IECEX /UL certification is mandatory
45	Doc no. P.009355 I - 11097002 PTS - Metering skids with Appendices	26	The equipment at field like transmitters if not integral to flow computer shall be installed in an environmental enclosure to minimize the effects of ambient temperature variations and shall be lockable for prevention of unauthorized data entry.	In case of external transmitter, bidder shall provide lockable box for prevention of unauthorized data entry.
46	Doc no. P.009355 I - 11097002 PTS - Metering skids with Appendices	26	One filter with by pass line with isolation valves as per P&ID shall be provided	PTS- Metering Skid with appendix and enclosed P&ID with PTS prevails over GTS.
47	Doc no. P.009355 I - 11097002 Datasheet SSV with SOV	51	SSV set points Low set point - 7 barg High set point - 26 barg	Bidder's understanding is correct
48	Doc no. P.009355 I - 11097002 Datasheet Pressure Gauge	53	10. Adjustment : External zero adjustment required	Tender condition Prevails

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49	Doc no. P.009355 I - 11097002 Datasheet Differential Pressure Gauge	55	10. Adjustment : External zero adjustment required	Many of the vendors from approved vendor list provided with tender for differential pressure gauge do not provide adjustment as external zero. Please accept internal zero adjustment.
50	Doc no. P.009355 I - 11097002 Datasheet Pressure Transmitter	56	16. Process connection: 1/2" NPTF thru flange adapter with plug	The vendors from approved vendor list provided with tender for pressure transmitter provides 1/2" NPTF process connection only, which is a standard practice for transmitter installation on skid plus they are easily available in India. Non-standard process connection like flange adapter will have a long lead time. Please accept process connection as 1/2" NPTF.
51	Doc no. P.009355 I - 11097002 Datasheet Ball Valves	67	End Connection : Flanged for all sizes	For 1/2" size valves, the valve manufacturer's recommend to use SW connections. Please accept 1/2" 800# size valve with Socket Welded end connections.
52	Doc no. P.009355 I - 11097002 Datasheet Filter cartridge	73	MOC of Filter shell, nozzle necks, flanges etc.	There is contradiction between MOC of various parts for Filter cartridge, which is mentioned as LTCS (Low Temperature) material and MOC mentioned in PMS is a normal temperature material. We understand that PMS supersedes all other LTCS material requirement in this tender. Please clarify requirement.
53	Doc no. P.009355 I - 11097002 Datasheet Filter cartridge	73	-	Please confirm the orientation of filter, Horizontal or Vertical?
54	Doc no. P.009355 I - 11097002 Piping specification	80	Valves size 1/2" - 1 1/2", rating 600#	There is contradiction between class rating mentioned in PMS and valve datasheets for 2" below sizes. We understand that 300# rating mentioned for 2" below valves in datasheet supersedes PMS class rating. Kindly confirm acceptance.
55	Doc no. P.009355 I - 11097002 QAP Skid fabrication	93	Pipe, pipe fittings, flanges MOC mentioned as LTCS (Low temperature) material.	There is contradiction between MOC mentioned in PMS and specified in QAP of skid fabrication for incoming material. We understand that PMS supersedes all other LTCS material requirement in this tender. Kindly confirm acceptance.

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56	Doc no. P.009355 I - 11097002 QAP Skid fabrication	95	NOTE: Bought items may be procured under 3.1 certification. However, TPIA carrying out the final inspection of skid will review all 3.1 certification of bought out items and include the details in the final inspection reports. By referring this clause, we understand that 3.1 certification is required for all bought items and this clause nullifies need of TPIA witness inspection mentioned in other QAPs of individual component / equipment of the skid. Please clarify requirement.	As per QAP,Bought items may be procured under 3.1 certification. However, TPIA carrying out the final inspection of skid will review all 3.1 certification of bought out items and include the details in the final inspection reports. These bought out items are mentioned in QAP. Inspection has to be carried out as per QAP.
57	Doc no. P.009355 I - 11097002 QAPs	-	QAP for Ball valve, Globe valve, check valve, Mass flow meter, pipe fittings, flanges, gaskets etc. are not available in tender document.	Bidder's understanding is correct
58	Doc no. P.009355 I - 11097002 QAPs	-		Canopy for complete skid not required.
59	IFB Clause no 4	8	Delivery Period first lot are 18 week of Fax of intent and second lot delivery are 26 week of Fax of intent	Refer Corrigendum #3
60	IFB Clause no 4	8	Delivery Period first lot are 18 week of Fax of intent and second lot delivery are 26 week of Fax of intent	Skids are required urgently by IGL to meet their targets. Tender Condition prevails.

TRACTEBEL CNGC		REPLY TO BIDDER'S PRE-BID QUERIES		Tender doc. No.: P.009355 R11050 002
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IGL/TE Reply		Pre-bid meeting held on 30.05.17 Date: 15.06.2017		
Sl. No.	Tender Page No.	Clause No /Description	Bidder's Query/Clarification	IGL/TE Reply
61	SCC Clause No 14	49	<p>Payment Terms: 10% payment shall be released after successful completion of installation, testing and commissioning of each skids at site and acceptance thereof by owner.</p> <p>Note: In case installation, testing and commissioning of skids could not executed within 120 days from date of receipt of skid at site / store due to reasons attributable to owner, balance 10% payment of skid shall be released against submission of additional BG of equivalent amount.</p>	<p>As mentioned in NOTE of this clause, it is clearly mentioned that non-execution of commissioning is attributable to owner then requirement of BG from vendor is not acceptable. The CPBG of total contract shall be already with owner.</p> <p>We request IGL to revise this clause as "In case installation, testing and commissioning of skids could not executed within 120 days from date of receipt of skid at site / store, the payment shall be immediately released on completion of 120 days"</p> <p>Tender condition Prevails</p>
62	SCC Clause No 14	50	Payment terms against Performance acceptance test	Procedure to be submitted by supplier after award of work for Purchaser's approval. Tender condition prevails.
63	SCC Clause No 14	50	Penalty for non performance of skids during warranty	Tender Condition prevails.
64	SCC Clause No 14	50	Guarantee / Warranty Period	Tender Condition prevails.
65	-	-	Bid submission due date	Refer Corrigendum # 2. Bid submission date is already extended upto 22.06.17.



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66	Page No. 16 of 163	RECOMMENDED VENDOR LIST	Ball Valve Make	Bidder to note that as per tender conditions other than those mentioned in tender document can be approved based on the PTR but at this moment no such approval can be granted. Bidder to further note that all the risk related to approval / non approval of such request are into bidders account.
67	Page No. 16 of 163	RECOMMENDED VENDOR LIST	Filter Make	Bidder to note that as per tender conditions other than those mentioned in tender document can be approved based on the PTR but at this moment no such approval can be granted. Bidder to further note that all the risk related to approval / non approval of such request are into bidders account.
68	Pg No. 39 of 163	Appendix - 1	DP Across Skid	Tender conditions Prevails
69	Pg No. 67 of 163	Appendix - 3	Datasheets of Ball Valve	Tender conditions Prevails

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