

 MAHARASHTRA NATURAL GAS LIMITED	REPLY TO BIDDER'S QUERIES AGAINST TENDER FOR PROCUREMENT OF METERING SKID FOR MNGL'S PROPOSED CGS AT BIDADI IN RAMANAGARA GA. BID NO.: REPL/MNGL/MS/07/21
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Date: 19.10.2021

Replies to Queries of the Bidders

**SUB: REPLY TO BIDDER'S QUERIES AGAINST TENDER FOR PROCUREMENT
OF METERING SKID FOR MNGL'S PROPOSED CGS AT BIDADI IN
RAMANAGARA GA.**

REF: Bid Document No. REPL/MNGL/MS//07/21 dated 30.09.2021

Dear Sir,

Following are the replies to queries of the bidders. Kindly note the same.

Sl. No.	Bidder's Query / Clarification	MNGL' Reply
1	We understand as per latest Govt norms maximum CPBG value will be 3% of the ARC value, we request MNGL to accept the same.	The performance guarantee shall be for an amount equal to 3% of the value of the Purchase Order towards faithful performance of the contractual obligations and performance of equipment. This Bank Guarantee/Letter of Credit shall be from any Indian scheduled bank or a branch of an International bank situated in India and registered with Reserve bank of India as scheduled foreign bank. This bank guarantee/letter of Credit shall be valid for a period as stated in Clause of General Conditions of Contract.
2	PERFORMANCE GUARANTEE OF EQUIPMENT Pg. No. 48 This clause is not acceptable and to be deleted	Tender Conditions Prevails
3	Bidder request to kindly provide P&ID.	Bidder is advised to submit their P&ID fulfilling the tender requirements and industry standard practices. The same shall be vetted during detail engineering.
4	Please provide Instruments & Mechanical items data sheet.	Bidder to submit their data sheets along with bid
5	We Understand all material are required with 3.1 certificate. Kindly confirm.	Process inspection shall be as per EN 10204 3.1. However, final inspection of valves shall be as per EN 10204 3.2 by MNGL's TPIA



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NATURAL GAS LIMITED**

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RAMANAGARA GA.**

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6	Please allow to use Turbine Meter also other than RPD Meter as there is only few vendors who can supply RPD with class 300 rating.	Tender Conditions Prevails
7	Bidders have to follow Given G rating of RPD meter or need to calculate as per process parameters. Kindly confirm.	Bidder to follow G Rating specified in tender
8	Kindly provide the PSV and CRV datasheet.	Bidder to submit their data sheets along with bid
9	Bidder request to kindly provide Piping Material Specification or Bidder to follow Emerson Standard PMS. Kindly confirm.	Bidder to submit their standard PMS along with bid.
10	Kindly provide Datasheet for Ball valve, Globe valve and Check valve.	Bidder to submit their data sheets along with bid
11	Kindly provide the minimum and maximum operating temperature.	Bidder to submit their data sheets along with bid
12	Bidders understand that Reverse Auction is not applicable in tender.	0 degree Celsius to 55 degree Celsius
13	Kindly provide Datasheet for Pressure gauge & Temperature gauge	Bidder to submit their data sheets along with bid
14	Bidder request to accept Emerson Fisher Filter	Bidder may quote the same
15	Kindly confirm whether limit switch is required or not for SSV.	Confirmed
16	All vent lines are connected to vent header and the header provided with flapper. Kindly confirm.	Confirmed.
17	Cabling up to skid JB is in bidder scope, Further extension from JB is in MNGE scope. Kindly confirm	Confirmed. Bidder to provide specification of cabling
18	External Power supply provision up to skid is in MNGE scope. Kindly confirm	Confirmed. Bidder to provide specification of cabling

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19	Bidder request to confirm it is Comprehensive AMC or AMC. Kindly confirm.	Confirmed.
20	Kindly provide the detailed scope of the AMC/CAMC to be followed along with the no. of visit required per year.	Visits as per OEM schedule and breakdowns if any
21	If Erection and Commissioning is in bidder scope. Kindly provide detailed requirement of erection & scope of bidder.	Kindly refer Clause no. 18.3
22	Kindly confirm whether insulation is required or not at turbine meter upstream and downstream.	Bidder may quote for standard equipment
23	Bidder Understands velocity throughout the skid is 20 m/s. Kindly confirm.	Confirmed
24	Kindly provide the datasheet for flow computer.	Bidder to submit their data sheets along with bid
25	Is solar system for Flow computer is Required? if yes Kindly provide the no. of non-sunny days to consider the battery sizing calculation.	Solar is required. "System should be able to run for 3 continuous non-sunny days."
26	We understand the Solar powered field mounted Flow computer in each Stream is required. Separate Flow computer shall have its separate solar power system. Please confirm our understanding is correct.	Confirmed.
27	The RS485 connectivity is available in Flow Computer. Kindly confirm that further RS485 to OFC connectivity will be Client scope.	Confirmed.
28	The Radiographic test will not be covered in regular test schedule of Thermowell by Manufacturer. Hence kindly exclude the same from requirement.	Tender Conditions Prevails
29	Kindly provide Datasheet for Differential Pressure Gauge.	Bidder to submit their data sheets along with bid
30	Kindly confirm the location of SSV & how it will be connected to Field mounted Flow computer?	Bidder to follow industry standard configuration, to be done during detailed engineering.
31	Kindly accept Rajshree make PSV & CRV.	Bidder to submit credentials of proposed supplier for evaluation
32	Kindly provide approved vendor list.	Bidder to submit their vendor list for bought out items.

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33	We request MNGL to accept "In case erection and commissioning is delayed beyond 90 days from receipt of package at site, this 10% payment towards supply will be released to the vendor within 45 days against submission of an undertaking for the above on non-judicial stamp paper of appropriate value.	Tender Conditions Prevails
34	Services shall be as agreed in the scope and appearing in the Purchase Order.	Tender conditions prevail.
35	Modifications shall be considered as valid only when agreed by both the Parties in writing	Tender conditions prevail.
36	<p>Please add and accept after the clause</p> <p>Seller shall receive adequate notice, information and assistance from Buyer and has an opportunity to defend itself.</p> <p>_ Seller's liability pursuant to this indemnification clause shall be limited in accordance with the terms of Article "Limitation of Liability."</p> <p>_ Buyer shall likewise indemnify, defend, and hold harmless Seller from and against any and all Losses arising out of any negligent act or omission of Buyer, its officers, agents, employees, contractors or assigns.</p>	Tender conditions prevail.
37	Please confirm "Loading, boarding, travelling or any other charges towards the inspectors shall be in Purchaser's account".	Tender conditions prevail.
38	Kindly delete line "The PURCHASER shall also be entitled to recover handling and storage charges for the period, during which the rejected materials are not removed @ 5% of the value of materials for each month or part of a month till the rejected materials are finally disposed off."	Tender conditions prevail.
39	Kindly marked clause 18.2 as not applicable.	Tender conditions prevail.
40	Delivery term to be Ex-Works Seller's facility and transit insurance to be in scope of Purchaser.	Tender conditions prevail.
41	We will not provide "blueprint, drawings" spare part component; pl accept. The same	Tender conditions prevail.

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	was accepted by MNGL in past tenders.	
42	<p>The goods shall carry a warranty for workmanship for a period of 12 months from the date of commissioning or 18 months from the date of dispatch whichever is earlier. The warranty obligations of Seller shall not apply in case of any defects in the goods that may arise due to:</p> <p>(a) storage, operations, or maintenance of the goods by the Buyer or the end client contrary to prudent industry standards: (b) normal wear and tear of the goods. (c) Damages to the Valve and soft parts such as seats and seals during site handling and storage, testing, installation, commissioning, and operation not attributable to Seller.</p> <p>PI accept Repaired or replaced materials shall be similarly guaranteed by the SELLER for a period of no less than three months from the date of replacement/repair "or remainder of the original warranty period, whichever is later"</p>	Tender conditions prevail.
43	Please Add the words, "Rights of Purchaser under this section shall be subject to Purchaser giving advance written notice of default to Seller and Seller's failure in rectifying the default in reasonable period"	Tender conditions prevail.
44	In the clause kindly replace words "total contract price" with "value of delayed quantity"	Tender conditions prevail.
45	PI accept "Arbitration panel shall consist of 3 arbitrators; each party shall appoint 1 arbitrator and those 2 shall appoint an umpire".	Tender conditions prevail.
46	Clause 34 of GCC Please delete the clause this is not acceptable.	Tender conditions prevail.
47	Kindly Confirm which permit and certificates are required.	Tender conditions prevail.
48	Kindly delete wordings "other contracts". Since this is an independent contract amount	Tender conditions prevail.

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	shall not be set off from any other contract	
49	<p>Replace clause 11 with following comments:</p> <p>The Supplier shall obtain and maintain the following policies:</p> <p>(a) Workmen Compensation (with Employer's Liability) shall be in accordance with applicable laws.</p> <p>(b) Comprehensive General Liability shall be to the extent of the Purchase Order value per occurrence and in aggregate.</p>	Tender conditions prevail.
50	Kindly replace "maximum 5% of total delivery order" with "maximum 5% of value of delayed material"	Kindly refer SCC Clause 15.0
51	The Vendor shall arrange for insurance for its own manpower and as mentioned in clause 11 only. Please delete line third part risk shall also be cover	Tender conditions prevail.
52	Due to current COVID Pandemic situation Major bought out Items like Meter, ball valve etc are getting delayed hence it is our request to Kindly extend delivery up to 20 weeks.	Tender conditions prevail.
53	Bidder Understands that Velocity limit shall be 20 m/s for Un-filtered gas and 40 m/s for Filtered gas. Kindly confirm our understanding is correct.	Tender conditions prevail.
54	Kindly Provide Quality Assurance Plan for Whole skid.	Bidder to submit their standard QAP for approval
55	Bidder Understands that EN 10204 3.1 certification is applicable for whole skid. Kindly confirm our Understanding is correct.	Process inspection shall be as per EN 10204 3.1. However, final inspection of valves shall be as per EN 10204 3.2 by MNGL's TPIA
56	As per PNGRB Guideline, it has mentioned that Turbine Meter shall comply "AGA Report No 7 Measurement of Gas by Turbine Gas Meters EN 12261- Gas Meter- Turbine Gas Meter". Hence Turbine Meter shall comply AGA 7 and EN 12261 standard and Turbine Meter manufacturer should have valid Type approval Certificate from NMI/PTB complying EN12261 standard. Kindly confirm our understanding is correct.	PNGRB Guidelines & Regulations shall be followed.

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57	We understand that Turbine metering will be used for high flow rates whereas RPD metering streams will be used for low flow rates. If our understanding is correct kindly confirm process data for low flow line. i.e., Pressure, Flow rate etc.	Bidder understanding is correct. Kindly refer Clause 7.0 Process Data of Technical Specification issued as part of Corrigendum - I
58	By erection, we understand that bidder will provide only supervision of erection and commissioning activity. Further, any site work will not be in bidder's scope of supply. In addition to this, please clarify number of man-days required for this activity.	Erection & commissioning is in bidder scope.
59	We understand that AMC is Comprehensive AMC for 5 years (1 Year warranty period + 4 Years), Kindly Confirm. Also confirm number of visits required per year under AMC.	1) Bidders Understanding is correct. 2) Scheduled Visits shall be as per OEM recommendations and additional visits to resolve breakdowns
60	We understand that Mandatory spare and commissioning spares shall be as per bidder's recommendation. Kindly confirm our understanding is correct. In addition to this, erection and commissioning will not be in scope of bidder.	Bidder understanding is correct

Please submit the signed & stamped copy of Replies to Queries & clarification of the Bidders along with tender document online with your techno-commercial offer as a token of acceptance.

All the other terms and conditions of the bid documents are unchanged.

With regards.

Ganesh Said
Chief Manager (C&P)

7.0 PROCESS DATA

- The bidders shall design the skid considering the worst process condition.
- Specific Gravity of 0.6 and compressibility factor of 0.98 shall be considered for the purpose of sizing.
- Minimum and design flow shall be 10% and 100% of maximum flow rate respectively of respective streams of PRS and metering.
- Outlet pressure provided in Clause 2.0 Material Requisition of Section – V Technical Specifications shall be used for equipment/ component sizing calculation purpose.
- Bidder to note that the flow capacities as indicated above are based on the minimum pressure parameters however during details engineering actual flow capacities shall be indicated based on the actual process parameters furnished by MNGL.
- The quoted skid shall be suitable for Gas compositions mentioned below.

Typical Gas Composition for designing the skid shall be as follows:

Name of Component	Composition 1	Composition 2
C6+	0.05	0.2
N2	0.50	0.2
CO2	0.50	4.00
C2	6.10	7.00
C3	1.10	3.75
IC4	0.20	0.70
NC4	0.30	0.80
IC5	0.02	0.20
NC5	0.01	0.20
C1	Balance	Balance

- The Heating value of Natural gas (GCV) shall be 9200 to 9880 Kcal/SCM.