



**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET)**  
(Scientific Society, Ministry of Electronics and Information Technology (MeitY), Govt. of India)  
IDA PHASE - III, CHERLAPALLY, HCL (PO), HYDERABAD - 500 051  
Phone: +91-40-27265587, 27267006 Fax: +91-40-27261658

**ENQUIRY LETTER**

ENQ. NO.: HD/PUR/SP-33/HYG/07/2016-17/ **9723**

Date: **31.01.2018**  
**01.02.2018**

**Subject: Procurement of "HYDROGEN GENERATOR" - Regarding.**

Due date for receipt of the quotations	<b>22</b>	<b>02</b>	<b>2018</b>	<b>TIME BY:16.30 hours</b>
--	-----------	-----------	-------------	----------------------------

Sir,

Sealed quotations conforming to the specifications are invited for the following item(s). Quotation may please be submitted, keeping in view, the terms and conditions given below and overleaf, otherwise quotations will be rejected.

S. No.	Description of the item	Quantity	Specifications
01	HYDROGEN GENERATOR Delivery schedule: 4 to 8 weeks	1 No.	As per 'Annexure' enclosed

**Terms & Conditions:**

(a) C-MET is registered under Department of Scientific and Industrial Research (DSIR) and eligible for concessional GST rates @ 5% for Research Institutions as per Notification No. 45/2017- Central Tax (Rate) dated 14.11.2017. The requisite certificate for availing concessional GST Rate along with documents will be provided.

**Note:**

- The envelope super-scribed with [a] Quotation No. [b] Due Date & [c] Description of the Item and be sent to the undersigned before the due date.
- The Technical bid & Financial bid should be in separate sealed covers.**
- The quotation should be submitted in the enclosed format only.**
- The Enquiry Letter No. & date should be clearly indicated in the quotation, otherwise quotation will be rejected.**
- Firms or their authorized representatives are requested to attend the opening of ~~Combined~~ **Technical** bids after closing time i.e. **on 23.02.2018 at 1200 hours.** If there is any delay in opening of technical bids will be intimated to all bidders.
- These details are also available in our website: <http://www.cmet.gov.in>

Thanking you,

Yours faithfully,

(G.K.VENKATESAN)  
Administrative Officer  
[venkatesan@cmet.gov.in](mailto:venkatesan@cmet.gov.in)

Encl.: As above.  
TO

**Specific terms and conditions to the tender:-**

1. Please submit the Technical Details/Catalogue/Data Sheets.
2. The offer should be valid for a period of 90 days from the date of opening of Tender.
3. **Please send the quotations ONLY in 'SEALED COVER' indicating our tender enquiry No. and due date by Hand/speed post/courier so as to reach us on or before the due date & time. C-MET will not be responsible for any postal delays.**
4. **E-Mail/fax quotations 'WILL NOT BE ACCEPTED'.**
5. **All Tax invoices shall invariably bear your GST Registration No. (GSTIN) and the applicable GST rates. In the absence of which, the invoice(s) shall not be processed for payment.**
6. Our standard delivery term is FOR, C-MET. In case any vendor offers delivery term of Ex-works, Packing and Forwarding charges if any should be indicated separately either as a percentage of the quoted rate or as a Lumpsum amount.
7. We are exempted from the payment of Customs Duty as per Notification No. No. 51/96-Customs dated 23.07.1996 and necessary exemption certificate shall be issued upon request.
8. Our standard payment term is 100% within 30 days for indigenous orders and sight draft for foreign orders. Firm should provide Bank details for RTGS remittance.
9. **Liquidated Damages: - The delivery period quoted should be realistic. The delivery period so quoted and mentioned in the order is the essence of the order/contract. In case of delay in delivery of material as per the delivery schedule, Liquidated Damage @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value shall be levied. Wherever, installation and commissioning is also involved, the supply will be deemed to have been completed only when the entire stores is supplied, installed and accepted.**
10. **Security Deposit:-** Wherever the offer value is Rs. 5.00 lakhs or above, the successful tenderer should submit Security Deposit@10% of the order value by way of Bank Guarantee /FC Receipt. The Bank Guarantee shall be obtained from any Scheduled Bank on Rs. 200/- Non Judicial Stamp paper and should be valid beyond 2 months from the completion of all contractual obligations.  
**Note: Clause NO. 9 & 10 are mandatory and offers of the vendors who have not agreed for the above conditions will be excluded from the procurement process. Micro and Small Vendors are not exempted from the submission of Security Deposit.**
11. In order to avail of the benefits extended to by Govt. of India to the Micro and Small Sectors, please submit attested copy of the valid Entrepreneur Memorandum Part-II signed by the General Manager, District Industries Centre/ Udyog Adhar / NSIC Registration Certification along with your offer.
12. If any bidder submits forged / false document along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.
13. Wherever samples are required to be submitted along with the quotation, offer without sample will not be considered.



Administrative Officer  
C-MET, Hyderabad

## Annexure – 1

### Ultra high pure Hydrogen gas generator

#### Broad Specifications:

1. Maximum flow rate :  $\geq 600$  CC/minute.
2. Hydrogen purity :  $\sim 6N$
3. Electrolysis cell : Proton exchange membrane to get  $\sim 6N$  pure hydrogen. The Unit should have a palladium drier to obtain pure & dry hydrogen gas.
- 4 Oxygen :  $< 1$  ppm
- 5 Moisture :  $\leq 5$  ppm
- 6 Hydrocarbons :  $< 0.3$  ppm
- 7 Delivery pressure : 2 to  $\geq 100$  psig ( $\pm 3\%$ ), Regulated
- 8 Pressure control : 2 to 100 psig ( $\pm 0.5\%$ )
- 9 Electrical requirement : 220 – 240 V, 50 Hz, 1 phase
- 10 Number of UHP hydrogen generator units supplied as on date in India, their capacity, User's name, contact details and year of supply should be provided. The performance of the generator would be enquired /studied, if necessary.

#### Technical Features:

1. Bench top hydrogen gas generator for obtaining high pure hydrogen gas.
2. Safety systems including gas over pressure, leak detection & auto shut off.
3. LCD display for set point, operating status and flow rate
4. Alarm status information and flow indication to operator
5. Required Maintenance free model for continuous supply of UHP hydrogen gas for round the clock operation with a reservoir facility of minimum 600 CC.

#### General

1. Detailed operation manual should be provided.
2. Spares, if any, for a period of two years of trouble free operation should be mentioned along with the part No. and cost separately.
3. Commissioning of the equipment should be done by the agency without any additional charges.
4. Oxygen, moisture and hydro carbon content of the unit should be mentioned
5. Warranty : One year

**Optional:** Supplier should quote AMC charges for two years after the warranty period with three visits in a year and should visit whenever there is a breakdown of the unit.

**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET)  
HYDERABAD LAB**

**CHECK LIST**

**Documents to be submitted alongwith Techno-commercial bids  
(Technical Bid)**

1. Acceptance of terms & conditions of tender
2. Signed copy of tender enquiry
3. Price reasonability certificate
4. Bid form and Price schedule with commercial terms but without PRICE
5. Previous experience details alongwith documents like PO/WO etc
6. Undertaking and declaration
7. Technical compliance statement with/without deviation
8. Technical brochure of the Product offered or drawings

**Documents to be submitted alongwith Commercial bids  
(PRICE BID)**

1. Price bid as per Bid form and Price schedule

**NOTE:**

**SUBMISSION OF COMBINED BID OR DISCLOSURE OF  
PRICE IN THE TECHNICAL BID WILL NOT BE  
CONSIDERED/DISQUALIFIED.**

To,

Date:

The Administrative Officer  
C-MET, IDA Phase III  
Cherlapally,  
Hyderabad 500 051

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No. \_\_\_\_\_ dated \_\_\_\_\_

Name of the Tender/Work: - Award of contract for supply of \_\_\_\_\_

Sir/Madam,

I/We have downloaded/obtained the tender document(s) for the above mentioned 'Tender/Work' for the web site(s) namely:

\_\_\_\_\_ as per your advertisement, given in the mentioned website(s)/enquiry letter.

2. I/we hereby certify that I/we have read the entire terms & conditions of the tender documents from Page No. \_\_\_\_\_ to \_\_\_\_\_ (including all documents like Annexure(s), schedules(s), etc.) which form part of the contract agreement and I/We shall abide hereby by the terms/conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/organization too have all been taken into consideration, while submitting this acceptance letter.
4. I/We hereby unconditionally accept the tender conditions of above mentioned tender document (s)/Corrigendum(s) in its totally/entirely.
5. In case any provisos of this tender are found violated, then your Department/Organizations shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,

Authorized Signatory

**(in the company letter head)**

**PRICE REASONABILITY CERTIFICATE**

It is certified that the rates quoted \_\_\_\_\_ are not more than as charged to other Govt. /PSU's for similar supplies made in recent past. Copies of the supply orders received from other Govt/PSU's are enclosed alongwith the technical bid.

Signature of Tenderer\_\_\_\_\_

Name\_\_\_\_\_

Business Address\_\_\_\_\_

Seal of the Tenderer\_\_\_\_\_

**(in the company letter head)**

**BID FORM AND PRICE SCHEDULE**

Tender Reference No. : ENQ. NO.: HD/PUR/SP-33/HYG/07/2016-17/9723  
Date: 31.01.2018 / 01.02.2018

Name of the Stores/  
Goods/Equipment HYDROGEN GENERATOR

Sl. No.	Description	HSN/ SN CODE	Qty.	Unit Price	Amount/ Rs
1	HYDROGEN GENERATOR				
	Freight charges				
	Insurance				
	Installation charges				
	Taxable value				
	GST				
	<b>GRAND TOTAL</b>				

1. Payment Terms:
2. Bid Validity:
3. Delivery Schedule:
4. Place of delivery:
5. Warranty, if applicable:
6. GST Registration No.
7. Any other relevant information:

Signature of Tenderer \_\_\_\_\_  
Name \_\_\_\_\_  
Seal of the tenderer \_\_\_\_\_

SIGNATURE OF THE BIDDER WITH DATE AND ROUND STAMP AS TOKEN OF  
ACCEPTANCE OF TERMS AND CONDITIONS

7049

## (in the company letter head)

### PREVIOUS EXPERIENCE DETAILS

Sl. No.	Name of the Organization	Contact person Name, telephone / mobile no., fax, e-mail	Date of Supply	Quantity	Remarks

Signature of Tenderer \_\_\_\_\_

Name \_\_\_\_\_

Seal of the tenderer \_\_\_\_\_

(TO BE SUBMITTED ALONG WITH TECHNICAL BID)

(IN THE COMPANY LETTER HEAD)

**UNDERTAKING/ DECLARATION**

- I/We having our office at .....  
declare that I/we have never been blacklisted by any State Government/Central Government or any State/Central PSU/Autonomous Bodies.
2. I/We, ..... hereby declare that the particulars furnished by me/us in this offer are true to the best of my/our knowledge and I/We understand and accept that, if at any stage the information furnished by me/us are found to be incorrect or false, I/We am/are liable for disqualification from this tender and also liable for any penal action that may arise due to the above, besides being black listed.
3. I/We ..... hereby accept to provide warranty/ guarantee and Free Service for a period of two years from the date of supply/ installation of the materials.
5. I/We ..... of ..... hereby agree on the acceptance of this tender by Director, C-MET to ....., in accordance with the terms and conditions of contract and at the rates or price specified in financial bid (BOQ).
6. This is also certified that the rates quoted in the financial bid are not more than the rates charged from any other Institution/Department/ Organization in the last six months. No Other charges would be payable by the Laboratory.
7. I/We ..... have gone through the terms and conditions and will abide by them as laid down above. I hereby undertake that the information provided above and elsewhere in the tender is true and the tender is liable to rejection if the same is found to be false or the information is found to have been suppressed by me.

Name & Signature of the Supplier/Contractor/  
Authorized signatory with Official stamp/seal