



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा स्थापित

सैक्टर 81, नॉलेज सिटी, प०ओ० मनोली, एस० ए० एस० नगर, मोहाली, पंजाब 140306

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI

(Established by Ministry of Human Resource Development, Govt. of India)

Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab

PAN No. - AAAAI1781K GST No- 03AAAAI1781K1ZT

• Phone : +91-172-2240086 & 2240121 • Fax : +91-172-2240124, 2240086 • <http://www.iisermohali.ac.in> • Email: stores@iisermohali.ac.in

CPPP/Institute Website

IISERM(804)17/18Pur

Dated- 21st July 2017

NOTICE INVITING E-TENDER

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** {Technical and Commercial} for the supply and installation of SilcoCan Air Sampling Canisters with Pressure gauge and Valve as per technical specification given below and BOQ list the original manufacturer/supplier at CPPP i.e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website www.iisermohali.ac.in.

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(Mukesh Kumar)

Assistant Registrar (S&P)



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E-TENDER NOTICE

Tender Ref.- IISERM(804)17/18 Pur	Dated :- 21 st July 2017
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Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	21 st July 2017	6:00pm
2.	Tender Document download start Date & Time	21 st July 2017	6:00pm
3.	Bid Submission start Date & Time	21 st July 2017	6:00pm
4.	Bid Submission End date and Time	13 th August 2017	Upto 11:00am
5.	Tender opening Date and Time	14 th August 2017	At 11.30 am

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** {Technical and Commercial separately} for following item(s) from the original manufacturer/supplier at CPPP i.e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website www.iisermohali.ac.in. Tender fee in shape of DD/Banker Cheque of Rs 500/- (Non-refundable) and EMD of Rs. 60,000/- should be submitted by DD /Banker Cheque/FDR/ Bank Guarantee in favour of the Registrar, IISER Mohali payable at Mohali. However, scanned copy of the both tender fee and EMD should be upload on website along with technical bid part. The hard copy of the same in original to be send to the address mentioned below duly superscribing the supply/work name and reference/ tender ID on the envelope and same must reach before opening the bid and if not received within due date the bid will be rejected summarily.

The Original EMD and tender fee should be sent to:

Assistant Registrar (S&P)
Indian Institute of Science Education and Research,
Mohali Sector 81, SAS Nagar, Mohali, Punjab, India,
Pin: 140306

Non-receipt of original EMD and tender fee will lead to rejection of tender.

Item Details:-

Product	SilcoCan Air Sampling Canisters with Pressure gauge and Valve
Quantity required	24 canister samplers as per specifications below
Technical and compatibility specifications (keeping in mind field applications)	<ul style="list-style-type: none"> • Volume of the canister should be 6L. • Dimensions and weight should not be larger than 12.5 x 9.25" (31.8 x 23.5 cm) — 5.75 lbs (2.61 kg). • Canister must have a 3-Port Siltek treated Valve including a -30" Hg to 60 psi vacuum/pressure gauge. • High quality, metal to metal seal, 2/3-turn valve with stainless steel diaphragms to prevent sample adsorption for more-accurate results. Valve must be made of 304 and 316 grade stainless steel to withstand the rigors of field work. • Valve should be durable (>15000 cycles), Inert (Siltek treated) and leak free performance (helium leak-tested to 1×10^{-6} mL/sec). • Valve should have enhanced damage-resistance: W-type valve seats and wetted surfaces should contain no moving parts. • Valve must have a temperature limit of at least 100 °C. • Canister must have a 1/4" valve inlet on the top for sampling/cleaning and a 1/4" brass nut for blind plugging it. • Canister should have a Siltek treated inner surface (chemically bonded fused silica layer) for maximum inertness. The inner silica layer must not crack, chip, or flake off, despite harsh handling in the field or during transport. • It should be ideal for collecting and storing TO-14A or TO-15 compounds (list attached) and offer unsurpassed inertness, even for sulfur-containing or brominated compounds. • It should be made of 304 and 316 grade stainless steel to withstand the rigors of field work. • It should be equipped with a unique canister holder and valve bracket attaching the handle and base to the canister without welds to protect the canister, 1/4" tube stub, and valve. • Prior to shipment, the canister should be slightly pressurized to approx. 15 psig (1 bar) with contaminant-free nitrogen. • It should be able to hold at least 40psig of gas and have a temperature limit of at least 100 °C along with valve. • The canisters must be compatible to WASSON ECE TO-Clean canister cleaning instrument (Model: TO 0108) with 6i Edwards Oil free pump and 1/4" Swagelok fit and 1/4" SS Flex line. • The canisters must be compatible to Markes CIA Advantage-HL & Unity 2 sampling and thermal desorption systems. • Evidence must be provided of use of the canister with an Agilent 7890B TD-GC-FID (Thermal desorption-Gas Chromatography-Flame Ionization Detection) equipped with Markes CIA Advantage-HL & Unity 2 sampling and thermal desorption systems. • The canisters must be compatible to EPA Compendium Method TO-14A or TO-15 for cleaning and sampling which is followed in our facility and used for existing such canisters. • The Siltek treated RAVE valves should be replaceable in case they get damaged or develop leakage.

LIST OF TO-14A AND TOI-15 COMPOUNDS:

1. Acetylene	46. Propylene
2. Benzene	47. Styrene
3. <i>n</i> -Butane	48. Toluene

4. 1-Butene	49. 1,2,3-Trimethylbenzene
5. <i>cis</i> -2-Butene	50. 1,2,4-Trimethylbenzene
6. <i>trans</i> -2-Butene	51. 1,3,5-Trimethylbenzene
7. Cyclohexane	52. 2,2,4-Trimethylpentane
8. Cyclopentane	53. 2,3,4-Trimethylpentane
9. <i>n</i> -Decane	54. <i>n</i> -Undecane
10. <i>m</i> -Diethylbenzene	55. <i>o</i> -Xylene
11. <i>p</i> -Diethylbenzene	56. <i>m</i> -Xylene
12. 2,2-Dimethylbutane	57. <i>p</i> -Xylene
13. 2,3-Dimethylbutane	58. Freon 12
14. 2,3-Dimethylpentane	59. Methyl chloride
15. 2,4-Dimethylpentane	60. Freon 114
16. <i>n</i> -Dodecane	61. Vinyl chloride
17. Ethane	62. Methyl bromide
18. Ethylbenzene	63. Ethyl chloride
19. Ethylene	64. Freon 11
20. <i>m</i> -Ethyltoluene	65. Vinylidene chloride
21. <i>o</i> -Ethyltoluene	66. Dichloromethane
22. <i>p</i> -Ethyltoluene	67. Trichlorotrifluoroethane
23. <i>n</i> -Heptane	68. 1,1-Dichloroethane
24. <i>n</i> -Hexane	69. <i>cis</i> -1,2-Dichloroethylene
25. 1-Hexene	70. Chloroform
26. Isobutane	71. 1,2-Dichloroethane
27. Isopentane	72. Methyl chloroform
28. Isoprene	73. Carbon tetrachloride
29. Isopropylbenzene	74. 1,2-Dichloropropane
30. Methylcyclohexane	75. Trichloroethylene
31. Methylcyclopentane	76. <i>cis</i> -1,3-Dichloropropene
32. 2-Methylheptane	77. <i>trans</i> -1,3-Dichloropropene
33. 3-Methylheptane	78. 1,2-Trichloroethane
34. 2-Methylhexane	79. 1,2-Dibromoethane
35. 3-Methylhexane	80. Tetrachloroethylene
36. 2-Methylpentane	81. Chlorobenzene
37. 3-Methylpentane	82. 1,1,2,2-Tetrachloroethane
38. <i>n</i> -Nonane	83. <i>m</i> -Dichlorobenzene
39. <i>n</i> -Octane	84. <i>p</i> -Dichlorobenzene
40. <i>n</i> -Pentane	85. <i>o</i> -Dichlorobenzene
41. 1-Pentene	86. 1,2,4-Trichlorobenzene
42. <i>cis</i> -2-Pentene	87. Hexachlorobutadiene
43. <i>trans</i> -2-Pentene	88. 1,3-Butadiene
44. Propane	89. Benzyl chloride
45. <i>n</i> -Propylbenzene	90. <i>o</i> -hydroxyphenol

SUBMISSION OF TENDER

- I. All bid/ tender documents are to be uploaded online at Central Public Procurement portal i.e. <https://eprocure.gov.in/eprocure/app> only and in the designated cover/ part on the website against tender ID. Tenders/ bids shall be accepted only through online mode and no manual submission of the same shall be entertained except tender fee and EMD. Late tenders will not be accepted.
- II. The online bids shall be opened at the office of the Assistant Registrar (P&S), IISER Mohali, on above given date and time. If the tender opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be attended on the next working day at same time and place. IISER Mohali will not be responsible for any error like missing of schedule data while downloading by the Bidder.
- III. The bidder shall upload the tender documents duly filled in and stamped by the authorized signatory on each and every page. Tender not submitted/uploaded in the prescribed form and as per the tender terms and conditions shall be liable for rejection.
- IV. The bidder shall upload scanned copy of the PAN Card, GST number duly signed and stamped.
- V. E-procurement system ensures locking on the scheduled date and time. The system will not accept any bid after the scheduled date and time of submission of bid.

INSTRUCTIONS

1. The Online bids should be submitted directly by the original manufacturer/supplier, If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company for quoting the price otherwise such quotation will be rejected.
2. The quantity mentioned in this inquiry is and shall be deemed to be only approximate and will not in any manner be binding on the Institute. Before the deadline for submission of the online bid, IISER Mohali reserves the right to modify the tender document terms and conditions. Such amendment/modification will be notified on website against said tender ID
3. The rates offered should be FOR Chandigarh/Mohali in case of firms situated outside Chandigarh/Mohali, and free delivery at the Institute premises in case of local firms. Supplier from outside India should mention the Ex-works/FOB/FCA/CIF/CIP price clearly. Conditional tenders will be summarily rejected.
4. In case of Ex-godown terms the amount of packaging forwarding freight etc. should clearly be indicated by percentage or lump sum amount. Institute has policy not to make any advance payments towards any purchase, Letter of credit can be opened if required.
5. THE INSTITUTE IS EXEMPTED FROM EXCISE AND CUSTOM DUTY under notification no- 51/96 – CUSTOM DATED 23/7/1996 AND DSIR REGISTRATION NO TU/V/RG/-CDE(1062)/2011 DT. 02/09/2011 / EXCISE NOTIFICATION NO. 10/97- CENTRAL EXCISE DT. 01.03.1997.
6. Tax: This Institute is not exempted from the payment of GST. The current rate (i.e. percentage of Sales Tax should be clearly indicated included or excluded) wherever chargeable. Please also provide/upload the copy of PAN card, GST number duly self-attested.
7. The delivery period should be specifically stated. Earlier delivery will be preferred.

8. The firms are requested to provide/upload detailed description and specifications together with the detailed drawings, printed leaflets and literature of the article quoted. The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars, the quotation is liable for rejection.
9. Validity of offer: 90 days. The warranty period after satisfactory installation should be mentioned and firm should replace all manufacturing defect parts/ whole item under warranty without any extra cost including clearance, freight, taxes. Security deposit/ Bank Performance Guarantee @ 10 % of the value of supply order as per norms may be sought from the firms.
10. The right to reject all or any of the quotation and to split up the requirements or relax any or all the above conditions without assigning any reason is reserved by the IISER Mohali. For any corrigendum and addendum please be checked the website <https://eprocure.gov.in/eprocure/app> and <http://www.iisermohali.ac.in>
11. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

-sd/-
(Mukesh Kumar)
Assistant Registrar (S&P)