भारतीय प्रौद्योगिकी संस्थान गाँधीनगर
विश्वकर्मा शासकीय अभियांत्रिकी महाविद्यालय परिसर,
चाँदखेडा, अहमदाबाद, गुजरात - 382 424
INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR
Vishwakarma Government Engineering College Campus,
Chandkheda, Ahmedabad, Gujarat - 382 424

Office : +91 79 2397 2583
Fax : +91 79 2397 2622
E-mail : office@iitgn.ac.in
website : http://www.iitgn.ac.in

IIT GN

Enquiry No: IITGN/ENQ/CH/EQP/2011-12/490 Date: 16.03.2012

Last Date: 6th April, 2012 on/before 05:00pm

Sub: Invitation of sealed quotations for **Fume Hood.**

Dear Sir,

Indian Institute of Technology Gandhinagar invites sealed quotations for **Fume Hood** on following terms & conditions:

1. If the above mentioned item is available on **DGS&D rates**, please quote accordingly.
2. **Quantity: 04 Nos.**
3. **Quality: As indicated in the Serial No. 05**
4. **Important:** Please mention clearly the following:
    a. Basic Unit Price
    b. Additional accessory charges, if any
    c. Additional Taxes
    d. Installation, Delivery or other charges, if any
    e. Total price including taxes & other charges
    f. Date/Period of delivery
    g. Warranty / Guaranty
    h. Technical support, after sales service and annual maintenance contract requirement, if any
    i. Quotation validity minimum 90 days
    j. Terms & Conditions for Payment

Office : +91 79 2397 2583
Fax : +91 79 2397 2622
E-mail : office@iitgn.ac.in
website : http://www.iitgn.ac.in

5. Product Specifications and Other Requirements:

Sr. No.	Specification	Description
1	Type of Fume Hood	Auto Bypass, bench type
2	Overall dimensions	W 1800mm X D 1000 mm X H 2400 mm or closer to this
3	Inner dimensions	W 1650 mm X D 700 mm X H 1160 mm or closer to this
4	Base cabinet dimensions	W 1800 mm X D750 mm X H700 mm or closer to this; Twin cabinet with castor wheel, with two exhaust ports, construction material should be 1.0 mm think GI
5	Sash arrangement	Vertical rising sash, toughened float glass (thickness = 5 mm)
6	Work top	Granite construction, black colour
7	Sink, water tap and drain	One oval shape sink with water tap. Sink should have a trap for waste collection
8	Grid/ scaffolding	Vertical rod type grid should be provided inside the hood (about 100mm away from rear baffle)
9	Wet & Dry Service valves	Panel mounted valves with colour coded remote knobs fitted on front post)
10	Valve tubing's & Service line	Air and nitrogen (PU); Vacuum (SS braided Teflon);
11	Electrical utilities	Five in numbers, 5/15A 3-pin socket with MCB
12	Lighting	Fluorescent light (40 watt, 2 in numbers) with vapor proof fitting;
13	Baffle design	Three suction points for effective suction of vacuum
14	Hood construction	Structure should be fixed on rigid frame, floor mounted
15	Exhaust outlet	Exhaust outlet should be provided with suitable size volume control damper
16	Front post	Aero dynamic design

Office : +91 79 2397 2583
Fax : +91 79 2397 2622
E-mail : office@iitgn.ac.in
website : http://www.iitgn.ac.in

17	Internal nozzles	Powder coated brass type, taps should be tapered in shape to use with flexible tubings
18	Fume hood superstructure	Galvanized iron (GI) of 2.0 mm thickness
19	Maintenance ports	Open-able top panel for easy maintenance of light and flow control valves

(B) Blower /Exhaust specifications:

Sr. No.	Specification	Description
1	**Construction**	Centrifugal fan with chemical and heat resistant coated GI iron material
2	**Type**	Direct drive
3	**Motor**	Suitable size fan motor in TEFC construction, IP 55 of good quality
4	**Noise level**	Less than 70 decible at 1 m from fume hood

(C) Ducting: Chemical resistant tube of 200-250 mm diameter, Duct collar: molded PP construction; rigid & flexible ductwork from Fume Hood to exhaust stack point with weatherproof canopy.

(D) Installation: Should by carried out by the skilled team of the supplier with ductwork design, fitting, fixing of blower, commissioning and testing of the same at fixed extra cost. Complete Fume Hood should be assembled inside the lab it should not be pre-assembled outside.

Installation requirements at the IIT site should be clearly mentioned.

(E) Warranty: Apart from standard warranty, additional warranty (about 2 yrs) can be quoted separately.

भारतीय प्रौद्योगिकी संस्थान गाँधीनगर
विश्वकर्मा शासकीय अभियांत्रिकी महाविद्यालय परिसर,
चाँदखेडा, अहमदाबाद, गुजरात - 382 424
INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR
Vishwakarma Government Engineering College Campus,
Chandkheda, Ahmedabad, Gujarat - 382 424

Office : +91 79 2397 2583
Fax : +91 79 2397 2622
E-mail : office@iitgn.ac.in
website : http://www.iitgn.ac.in

IIT GN

(F) Service: In case of any malfunctioning of fume hood(s), service should be provided within 48 hrs by the manufacturer.

6. Please send a **sealed quotation** marked with **"Quotations for Fume Hood"** to reach the following address **on/before 05:00pm, 6th April, 2012.**

Assistant Registrar (MM)
IIT Gandhinagar
Vishwakarma Government Engineering College Campus
Ground Floor, Block "A",
Visat-Gandhinagar Highway, Chandkheda
Ahmedabad 382424
Tele/Fax No. +91 79 2397 2583