National Center for Biological Sciences
Tata Institute of Fundamental Research
GKVK, Bellary Road, Bangalore 560 065. India

Tel. No : 080 2366, 0
Email: , www.ncbs.res.in

Ref:NCB/CM22-496/220727 July 08, 2022

ENQUIRY

To => By Speed Post/Courier

Dear Sirs

Please let us have your Quotation for the following:

S.No.	Item Description	Qty	UOM
1	Supply of Box type Synthetic fiber 10Micron filter Size of the filter as mentioned below (H x W x D)mm 610mm×300mm×50 mm	10.00	NOS
2	Supply of Box type Synthetic fiber 10Micron filter Size of the filter as mentioned below (H x W x D)mm 610mm×610mm×50 mm	50.00	NO
3	Supply of Box type Synthetic fiber 10Micron filter Size of the filter as mentioned below (H x W x D)mm 398mm×498mm×48 mm	5.00	NO
4	Supply of Box type Synthetic fiber 10Micron filter Size of the filter as mentioned below (H x W x D)mm 895mm×595mm×50 mm	4.00	NO
5	Supply of Box type Synthetic fiber 10Micron filter Size of the filter as mentioned below (H x W x D)mm 590mm×290mm×50 mm	6.00	NO
6	Supply of Box type Synthetic fiber 10Micron filter Size of the filter as mentioned below (H x W x D)mm 635mm×525mm×25 mm	3.00	NO
7	Supply of Box type Synthetic fiber 10Micron filter Size of the filter as mentioned below (H x W x D)mm 410mm×710mm×45 mm	3.00	NO
8	Supply of Box type Synthetic fiber 10Micron filter Size of the filter as mentioned below (H x W x D)mm 610mm×205mm×50 mm	5.00	NO
9	Supply of Box type Synthetic fiber 10Micron filter Size of the filter as mentioned below (H x W x D)mm 950mm×185mm×10 mm	3.00	NO
10	Supply of bag filter, (Synthetic fiber) Size of the filter as mentioned below (H x W x D)mm 590mm×590mm×300 mm/20	6.00	NO
11	Supply of bag filter, (Synthetic fiber) Size of the filter as mentioned below (H x W x D)mm 590mm×290mm×300 mm/20	6.00	NO
12	Supply of flange type Micro fine filters designed to remove particles down to 5microns as per BS: 6540 standard. Size of the filter as mentioned below (H x W x D)mm 540mm×540mm×290mm	5.00	NO
13	Supply of flange type Micro fine filters designed to remove particles down to 5microns as per BS: 6540 standard. Size of the filter as mentioned below (H x W x D)mm 540mm×240mm×290mm	5.00	NO
14	Supply of BOX type Micro fine filters designed to remove particles down to 5microns as per BS: 6540 standard. Size of the filter as mentioned below (H x W x D)mm 610mm×610mm×50mm	15.00	NO

S.No.	Item Description	Qty	UOM
15	Supply of HEPA FILTER Box Type :Hepa filter will have Di Octyl Phthalate(DOP) test efficiency of 99.97% for HEPA, down to particle size of 0.3microns as per EN1822 with grades between H14 to H16,corresponding to MERV 17 as per IEST Type A.Hepa filter to be made of submicron glass fiber, to be designed for a face velocity of 1.25m/s. Size of the filter as mentioned below (H x W x D)mm 300mm×300mm×150mm (Grade-H14)	1.00	NO
16	Supply of HEPA FILTER Box Type :Hepa filter will have Di Octyl Phthalate(DOP) test efficiency of 99.97% for HEPA, down to particle size of 0.3microns as per EN1822 with grades between H14 to H16,corresponding to MERV 17 as per IEST Type A.Hepa filter to be made of submicron glass fiber, to be designed for a face velocity of 1.25m/s. Size of the filter as mentioned below (H x W x D)mm 450mm×450mm×150mm (Grade-H14)	1.00	NO
17	Supply of HEPA FILTER Box Type :Hepa filter will have Di Octyl Phthalate(DOP) test efficiency of 99.97% for HEPA, down to particle size of 0.3microns as per EN1822 with grades between H14 to H16,corresponding to MERV 17 as per IEST Type A.Hepa filter to be made of submicron glass fiber, to be designed for a face velocity of 1.25m/s. Size of the filter as mentioned below (H x W x D)mm 610mm×610mm×300mm (Grade-H14)	1.00	NO
18	Supply of HEPA FILTER Box Type :Hepa filter will have Di Octyl Phthalate(DOP) test efficiency of 99.97% for HEPA, down to particle size of 0.3microns as per EN1822 with grades between H14 to H16,corresponding to MERV 17 as per IEST Type A.Hepa filter to be made of submicron glass fiber, to be designed for a face velocity of 1.25m/s. Size of the filter as mentioned below (H x W x D)mm 610mm×3050mm×300mm (Grade-H14)	1.00	NO
19	Supply of HEPA FILTER Box Type :Hepa filter will have Di Octyl Phthalate(DOP) test efficiency of 99.97% for HEPA, down to particle size of 0.3microns as per EN1822 with grades between H14 to H16,corresponding to MERV 17 as per IEST Type A. Hepa filter to be made of submicron glass fiber, to be designed for a face velocity of 1.25m/s. Size of the filter as mentioned below (H x W x D)mm 375mm×375mm×100mm (Grade-H14)	3.00	NO
20	Supply of ULPA filter, Box Type :ULPA filter will have Di Octyl Phthalate(DOP) test efficiency of 99.999% for ULPA down to particle size of 0.3microns as per EN1822 with grades between H14 to H16,corresponding to MERV 17 as per IEST Type A. ULPA filter to be made of submicron glass fiber, to be designed for a face velocity of 1.25m/s. Size of the filter as mentioned below (H x W x D)mm 610mm×610mm×300mm (Grade-H16)	1.00	NO
21	Supply of ULPA filter, Box Type :ULPA filter will have Di Octyl Phthalate(DOP) test efficiency of 99.999% for ULPA down to particle size of 0.3microns as per EN1822 with grades between H14 to H16,corresponding to MERV 17 as per IEST Type A. ULPA filter to be made of submicron glass fiber, to be designed for a face velocity of 1.25m/s. Size of the filter as mentioned below (H x W x D)mm 610mm×305mm×300mm (Grade-H16)	1.00	NO

1. The quotation shall be submitted in a sealed envelope duly superscribed with the enquiry number, and the due date for ..... Ref No: 220727. The bids should be addressed and to be mailed/couriered (sent by post/courier) to 'THE HEAD-PURCHASE'.

The bids are liable to be rejected if the sealed envelope is not addressed to “THE HEAD-PURCHASE? with Tender Ref No. and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail,it should reach by submission date and time and NCBS will not be responsible for the delay.

2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 28/07/2022 BY 5.30PM.

3.QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.
4.The validity of your quotation should be for 60 days from the due date.
5.All duties, taxes, surcharge and cess as currently applicable must be stated in yourquotation, separately. Otherwise your quote is liable to be rejected.
6.Your quotation should indicate delivery period & warranty period.
7.Delivery to be made to our stores. Please indicate charges, if any extra. Transit Insurance should be done upto NCBS Stores.
8.If you are unable to supply the quality, specifications or brand as mentioned in our enquiry,please state so and then offer alternative to quality/specifications.
9.Payment: within one month after delivery & acceptance/satisfactory installation.
10.Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.
11.Since we are a public funded research institution, we are exempted from paying Customs duty (Except advolerum duty of 5% + 2%Cess and 1% Cus Sec & High Edu. CESS vide Notification No.51/96 with latest amendments) and excise duty vide Notification No. 10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments, technical instruments, equipments (including computers), their accessories, spares,consumables and software. Hence, please offer your prices

12.If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.

13. Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees. The decision of the arbitrator shall be final and binding on the parties. The venue for arbitration shall be Bangalore. The provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time shall apply. The courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties.
14.TIFR is a public funded research institute and is entitled to concessionalrate of GST @ 5%for certain items supplied for reresearch purpose vide notification no. 47/2017 and 45/2017 dated 14th Nov, 2017. The offer should be submitted after fully considering the above notification.

15.Liquidity Damages:If the equipment/ items as per specifications in our P.O. is not supplied (shipped) within the specified delivery schedule, then liquidated damages (not in terms of penalty) will be imposed automatically and shall be deducted from the bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.

16.Income Tax at the applicable rates as per the Indian Income Tax Act 1961 will be deducted at source for the services availed / ordered. In case of service provider, the rate of tax deduction shall be at 2% as per Section 194C, and in case of fee for professional / technical services under section 194J, the tax reduction shall be at the rate of 10%. In case service provider does not provide PAN number, the deduction shall be at 20% under section 206 AA.
-Tax Deduction Certificates will be provided on request for non PAN holders & Foreign Vendors and PAN holders could avail them through NSDL site dealing with 26AS.

Yours faithfully
For and on behalf of
National Centre for Biological Sciences

	Description	Qty In nos
	Box type Synthetic fibre filter, constructed out of non-woven synthetic fibre media with 40 sieve HDPE mesh on both sides & secured with anodized ductile aluminium mesh on both sides As detailed below. All the layers to be dully stiched together & to be housed in **18SWG Aluminium** anodized frame and sides to be sealed with Epoxy. With Neoperen gasket on the air out-let side. The filter element shall have 11 Pleats/Rft, the pleats should be in a vertical manner. The filter shall have an efficiency of 90% down to **10 microns** when tested as per BS: 2831 standard. The Filter should be both water washable & Air cleanable. It should be suitable for operation under 100% Relative Humidity & 120 degree C temperature conditions. The velocity over the face of filter shall not exceed **105 MPM** and the pressure drop across the filter shall not exceed 3 mm WG for 50mm thick filter. The filter shall be suitable for mounting in air handling units	
	Pls Note the Filter media is required to be layered as below:	
	1st Layer - Anodized ductile aluminium mesh	
	2nd Layer - 40 sieve HDPE mesh	
	3rd Layer - Synthetic fibre media	
	4th Layer - 40 sieve HDPE mesh	
	5th Layer - Anodized ductile aluminium mesh	
	Size of the filters as mentioned below (H x W x D)mm	
1	610×300×50 mm	**10**
2	610×610×50 mm	**50**
3	398×498×48 mm	**5**
4	895×595×50 mm	**4**
5	590×290×50mm	**6**
6	635X525X25mm	**3**
7	410X710X45mm	**3**
8	610X205X50mm	**5**
9	950X185X10mm	**3**
	Bag type filter will be with synthetic or glass fiber or FPCP media ,class F6 to F8,equivalent to MERV 10 to MERV 13 of ASHRAE 52.2 1999 with efficiency in (Range 2) between 50-65% and at least 85% in (Range 3).The filters will be so constructed to avoid leakage or bypass of air with suitable neoprene rubber gasket as required.	
	Size of the filters as mentioned below (H x W x D)mm	
	Bag filter	
10	590×590×300/20	**6**
11	590×290×300/20	**6**
	MICRO(FINE)-FILTERS	
	Box Type Fine filters shall be designed to remove particles down to 5microns as per BS: 6540 standard.	
	Filter shall comprise of aluminium sheet duly anodized. Filter element shall be made out of non-woven synthetic supported by **anodized ductile aluminium mesh on both side & HDPE mesh not less than 40 sieve size on the both sides side** with 11 Pleats/Rft of filtration area. All the layers to be dully stitched together. All sides to be sealed with ductile epoxy resin and filters shall be cleanable type using water/detergent. Rubber gaskets to be provided on the flange. Filter element shall be specially treated with antifungal and bacterial reagent to prevent growth of micro-organisms shall be screwed into the frame by means of an aluminium clamp patti and brass screws. They shall comprise of housing made from MS angles/flats epoxy coated of size suitable to receive the required number of filters to handle specified Cfm for each AHU. All filters shall be installed in same plane. No zigzagging shall be allowed by means of threaded bolts.	
	Pls Note the Filter media is required to be layered as below:	
	1st Layer - Anodized ductile aluminium mesh	
	2nd Layer - 40 sieve HDPE mesh	
	3rd Layer - Synthetic fibre media	
	4th Layer - 40 sieve HDPE mesh	

	5th Layer - Anodized ductile aluminium mesh	
	Size of the filters as mentioned below (H x W x D)mm	
12	540×540×290mm micro flange type	**5**
13	540×240×290mm micro flange type	**5**
14	610×610×50 Micro fine filter box type	**15**
	HEPA-FILTERS BOX TYPE	
	HEPA FILTER and ULPA, Box Type :Hepa filter will have Di Octyl Phthalate(DOP) test efficiency of 99.97% for HEPA and 99.999% for ULPA down to particle size of 0.3microns as per EN1822 with grades between H14 to H16,corresponding to MERV 17 as per IEST Type A.Hepa filter to be made of submicron glass fibre, tto be designed for a face velocity of 1.25m/s.(WXHXD)mm	
	Size of the filters as mentioned below (H x W x D)mm	
15	300×300×150=HEPA box (Grade-H14)	**1**
16	450×450×150=HEPA box (Grade-H14)	**1**
17	610×610×300=HEPA box (Grade-H14)	**1**
18	610×305×300 -HEPA box (Grade-H14)	**1**
19	375×375×100 HEPA box (Grade-H14)	**3**
20	610×610×300=ULPA box (Grade-U16)	**1**
21	610×305×300=ULPA box (Grade-U-16)	**1**