

Minutes of T&PC for proposed procurement of "Fume Hoods, Cupboards and Scrubbing System" - reg.

Subsequent to the PBC indentor has revised the specifications to upload in GeM. Since there is delay in receipt of revised specification with drawings shall be uploaded in portal giving three (3) week time.

 22.11.24

CoSP


CoEA/FAO


CoA 22/11

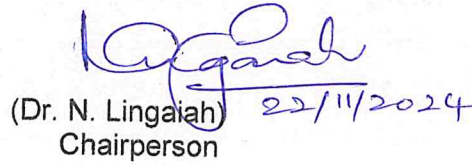

IO/PL/Chair 22/11/24

(Dr. Jitender Reddy)
Member


(Dr. Sreepriya Vedantam)
Member 22.11.2024


(Sri D.V. Rao)
Member 22.11.24

(Dr. Pratyay Basak)
Member


(Dr. N. Lingaiah)
Chairperson 22/11/2024

Minutes of Pre-Bid Conference (PBC) held on 08-11-2024 for proposed procurement of "Supply of fume hoods, cupboards and scrubbing system"

Chairpersons / Members of the Technical Sub Committee (TSC) present during PBC including domain experts present during PBC:-

1. Dr. N.Lingaiah, Chairman
2. Dr.SreepriyaVedantam Member,
3. Dr, Jitender Reddy, member
4. Dr. Punna Nagender, representative of IO/PI
5. Shri D. V. Rao, Member

Representatives of the following firm attended the PBC:

1. M/s. Modern lab Interior, Secunderabad

The following points were discussed during the PBC:

Query raised by M/s. Modern lab Interior, Secunderabad., and response of CSIR-IICT:

- Query-1:** Type A Fume hood, can be provided with a support in the middle?
Response: No, there shouldn't be any support in the middle
- Query-2:** Type B Fume hood, can be made into two halves?
Response: Yes, this type B can be made into two of 2000mm length each, rest dimensions remain same (2000mm X 1200mm X 2400mm)
- Query-3:** PP-FRP duct size and length required
Response: PP-FRP duct size of 300mm dia length: 200running feet
- Query-4:** What is the HP of the blower for the fume hood required"
Response: Each fume hood may be provided with 2hp blower.
- Query-5:** Required the exact size of the fume hood worktop made of jet black granite
Response: The fume hood worktop is made of jet black granite as per the fume hood size mentioned in the Type-A & Type-B with 18 mm thickness.
- Query-6:** Sketch of the layout of the fume hood & workbench may be provided?
Response: Yes, the tentative sketch of the layout is enclosed.

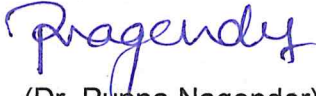
Points clarified by CSIR-IICT Team during PBC:

The representatives of the participating firm/further informed that they do not have any issue or suggestion with respect to other points of tendered specifications and related requirements given in the tender document. Participating bidders have been informed that points raised by them during PBC will be examined by CSIR-IICT's **Technical Sub Committee (TSC)/Technical team** constituted for the purpose of procurement of said equipment and **post PBC changes** in tendered specifications and requirements to be agreed after due consideration of the same by TSC, **if any**, will be uploaded in **CPPP** as part of **revised/amended tendered specifications** along with CSIR-IICT website www.iict.res.in on or before **08-11-24**. All bidders are requested kindly to take a note of the changes, if any, in tendered specifications subsequent to **PBC** held today, i.e. **08-11-24**, before they start submitting their online bids through CPPP.

(Dr, Jitender Reddy)
Member



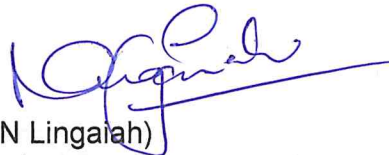
(Dr.Sreepriya Vedantam)
Member



(Dr. Punna Nagender)
representative of IO/PI



(Shri D. V. Rao,)
Member



(Dr N Lingaiah)
Chairperson

The following changes has been made in tendered specification subsequent to PBC held on 08.11.2024

S. No.	Existing Specifications	Revised/Amended Specifications
1	Type B : Customised Walk-in Fume Hood – Quantity (1No) Size (mm) - 4000Length x 1200 Depth x 2400 Height or nearest, rest as S.No.1	Type B : Customised Walk-in Fume Hood – Quantity (2No) Size (mm) -2000Length x 1200 Depth x 2400 Height or nearest, rest as S.No.1.
2	PP-FRP Fume Hood Duct of Dia 300mm for 2400mm wide fume hood fabricated at site payable @ actuals on rate per meter basis. Should be installed as per the details provided in special conditions of contract for each FH.	PP-FRP Fume Hood Duct of Dia 300mm length: 200 running feet , it should be installed as per the details provided in special conditions of contract for each FH.
3	Fume hood work top made of jet black granite, size 60"x31" or nearest with marine 18mm or nearest ply backing with opening for drip cup/ cups as the case may be.	Fume hood work top made of jet black granite as per the fume hood size mentioned above (Type-A & Type-B) with 18 mm thickness.
4	Moulded single piece PP blower/ centrifugal fan with high efficiency and minimum noise normally direct driven with ISI-TEFC of suitable horse power motor matching hood CFM and static pressure working on 3 Ph., 415V \pm 10%, 50Hz \pm 5%, Insulation class F, IS: 325, 1440 RPM, reputed make. Appropriately mounted, dynamically balanced FRP impeller wheel, FRP housing with weather covers & anti vibration pads with clock-wise rotation illustrated. The fan unit should be set with supplier's standard manufacturing practice upballest to match the discharge end as per SEFA 1.2 – 1996, E6 to prevent rain water seepage. The fan unit	Moulded single piece PP blower/ centrifugal fan with high efficiency and minimum noise normally direct driven with ISI-TEFC of 2 horse power motor matching hood CFM and static pressure working on 3 Ph., 415V \pm 10%, 50Hz \pm 5%, Insulation class F, IS: 325, 1440 RPM, reputed make. Appropriately mounted, dynamically balanced FRP impeller wheel, FRP housing with weather covers & anti vibration pads with clock-wise rotation illustrated. The fan unit should be set with supplier's standard manufacturing practice upballest to match the discharge end as per SEFA 1.2 – 1996, E6 to


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	<p>should be flanged at both inlet and outlet that suits 300mm dia ducting. Note: As per institute's standard practice each FH should be provided with stand alone blower unit. Mani folding of multiple fume hood units to a single higher capacity is not permitted</p>	<p>prevent rain water seepage. The fan unit should be flanged at both inlet and outlet that suits 300mm dia ducting. Note: As per institute's standard practice each FH should be provided with stand alone blower unit. Mani folding of multiple fume hood units to a single higher capacity is not permitted</p>
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All the other tender terms remain unchanged. Bidders may please submit their bids accordingly.

(Dr, Jitender Reddy)
Member


(Dr.Sreepriya Vedantam)
Member


(Dr. Purna Nagender)
representative of IO/PI


(Shri D. V. Rao,)
Member


(Dr N Lingalah)
Chairperson

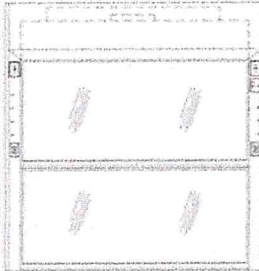
Revised Specifications after pre-bid meeting, for Fume Hood, Blower, Storage Cupboard & Scrubbing System

Item: 1 Fume Hood specifications / Details

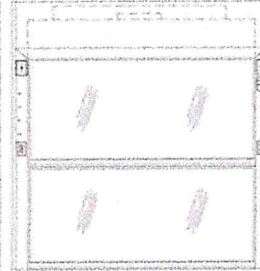
Sl. No.	Particulars
1	Type A: Customised Walk-in Fume Hood —Quantity (4No) Size (mm) - 2800Length x 1200 Depth x 2400 Height or nearest. By-pass type The bypass opening is aerodynamically designed. C-Frame design for base structure with fume hood depth not less than 1000 mm. Hood face openings shall be designed with aerodynamically streamlined edges. Exhaust volume shall remain constant irrespective of sash position. Conformance to ASHRAE 110:95 & EN 14175:2003 [type tested as manufactured]. Epoxy powder coated externally in Blue or any standard acceptable colour with Internal FRP lining. The top adopter shall have flanged opening on the top of fume hood suitable for 250mm/ 300mm dia. duct as per supplier's standards. Customized dimension
2	Type B : Customised Walk-in Fume Hood – Quantity (2No) Size (mm) - 2000Length x 1200 Depth x 2400 Height or nearest, rest as S.No.1
3	PP-FRP Fume Hood Duct of Dia 300mm length: 200 running feet, it should be installed as per the details provided in special conditions of contract for each FH.
Standard Features & Facilities envisaged in each Fume Hood are as under:	
A	Ventilated chemical storage base module (with connection to the hood exhaust) combined with internal chemical-resistant material lining complete with fireproof cabinet construction with cabinets on castors for mobility with adjustable shelving, PP trays, locking & hinges of HAFELE Make, overall depth not less than 700 mm. Note: In case of 2400mm wide fume hood, solvent storage module of maximum permissible size under the hood with connection to the hood exhaust
B	Fume hood work top made of jet black granite as per the fume hood size mentioned above (Type-A & Type-B) with 18 mm thickness.
C	Appropriate size Fume hood ceiling enclosure
D	Fume Hood Structure with appropriate Internal lining phenolic resin laminate chemical-resistant, fire-retardant, glossy finish Trespa or equivalent makes.
E	Fixed Baffle, flame retardant and chemical resistant FRP or equivalent material with fine surface finish with fixed slots in the rear and baffle optimized for the best performance
F	Horizontal sliding doors with poly carbonate mm thick with counter weight movement for ease of movement.
G	Digital air flow monitor AFA 1000 or equivalent or a better monitor with in-built sensors that gives visual & audible alarm when hood face velocity falls below safe levels.
H	One no. Vapour proof Lighting Fixture with power saving 4 Feet Twin Tube Light of reputed Make

Pragudiy

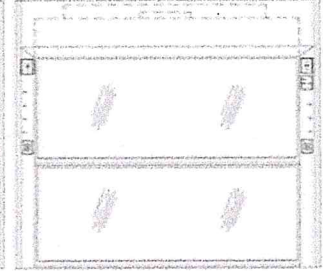
Room 1



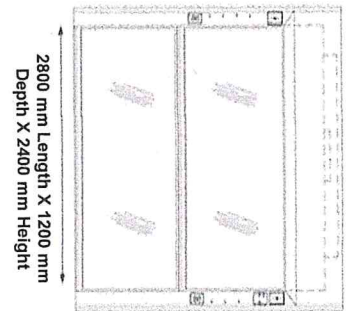
2000 mm Length X 1200 mm
Depth X 2400 mm Height



2000 mm Length X 1200 mm
Depth X 2400 mm Height



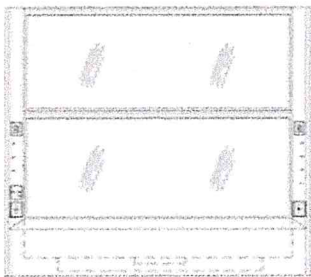
2800 mm Length X 1200 mm
Depth X 2400 mm Height



2800 mm Length X 1200 mm
Depth X 2400 mm Height

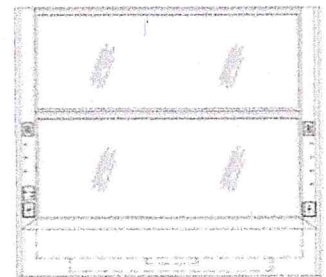
Walk-in Fume hood
arrangements with
dimensions

2800 mm Length X 1200 mm
Depth X 2400 mm Height



Room 2

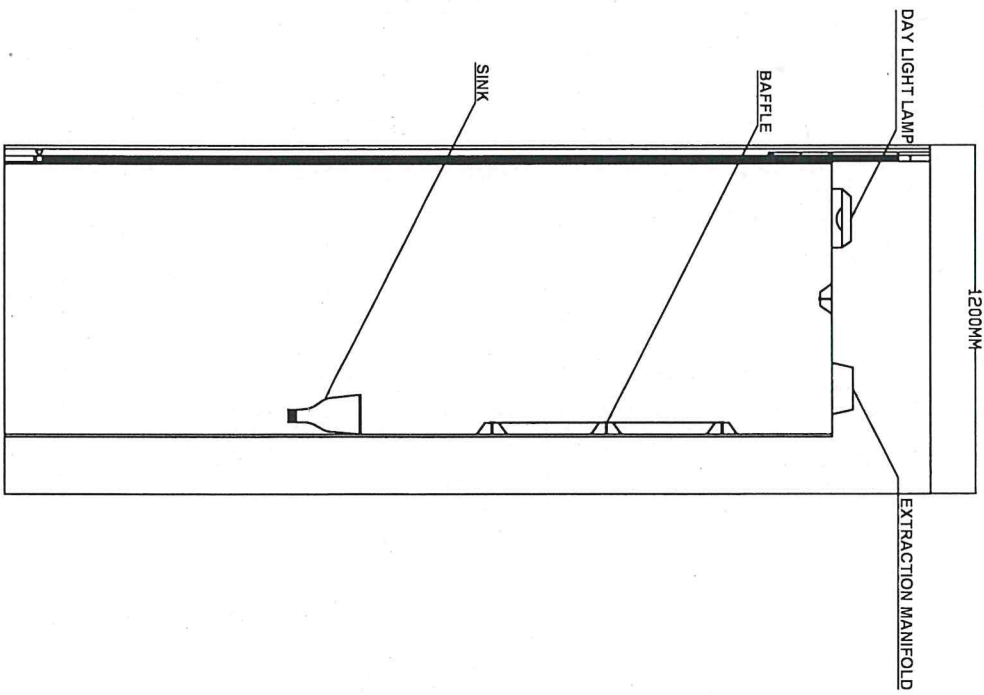
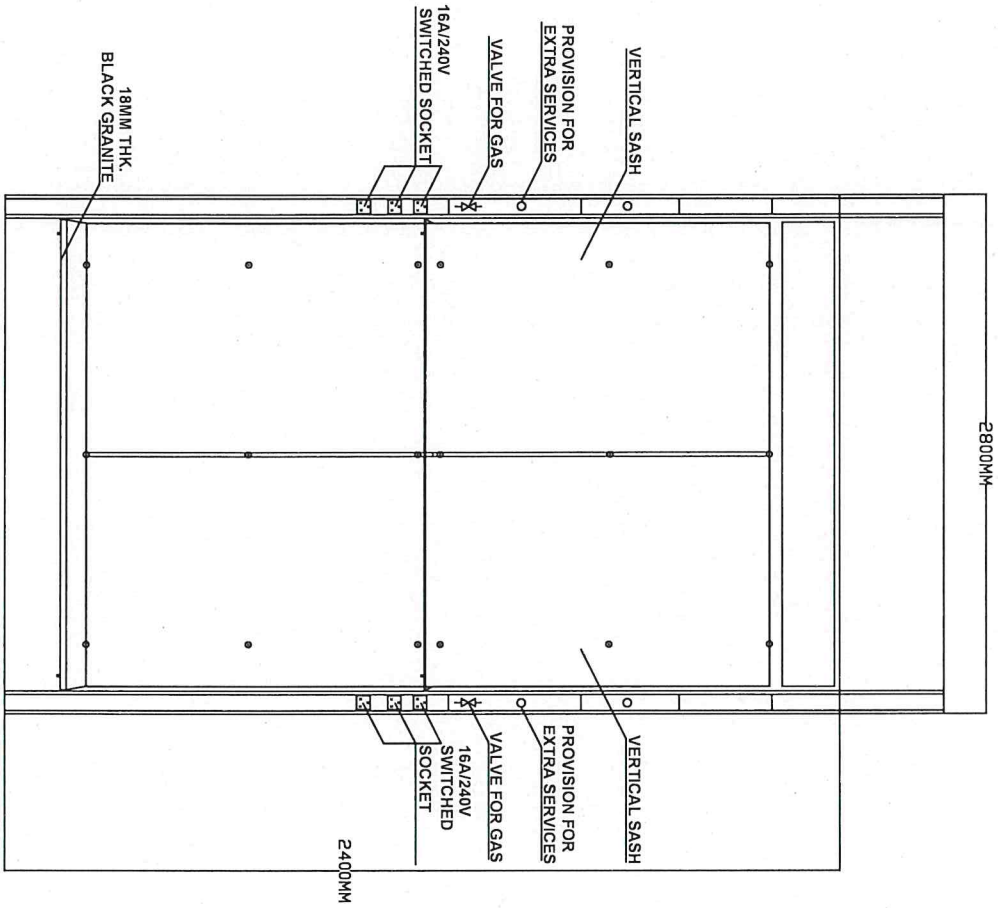
2800 mm Length X 1200 mm
Depth X 2400 mm Height



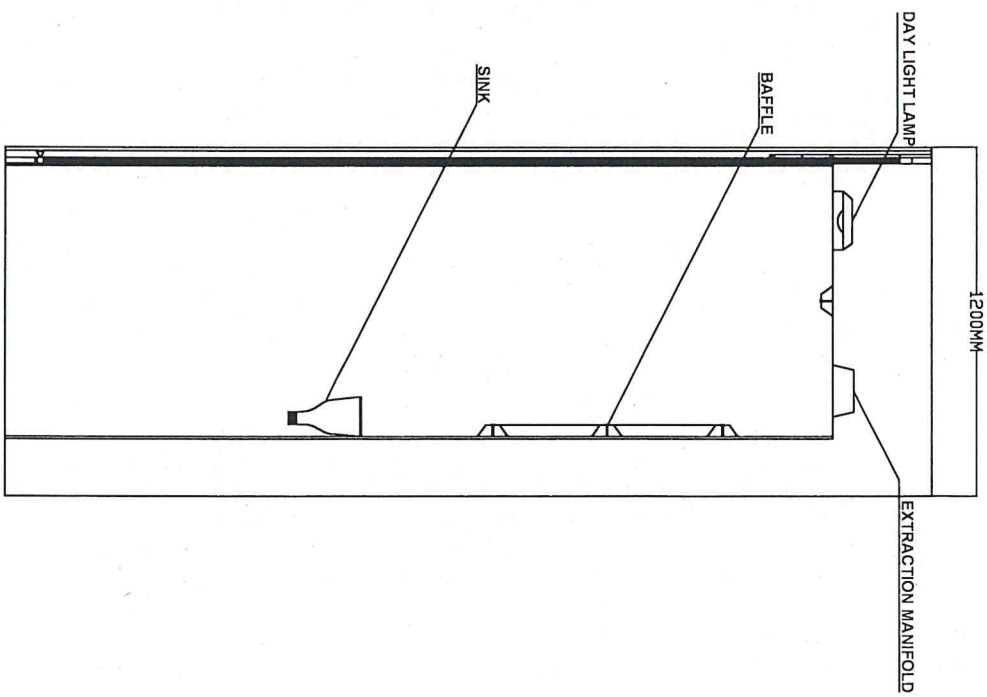
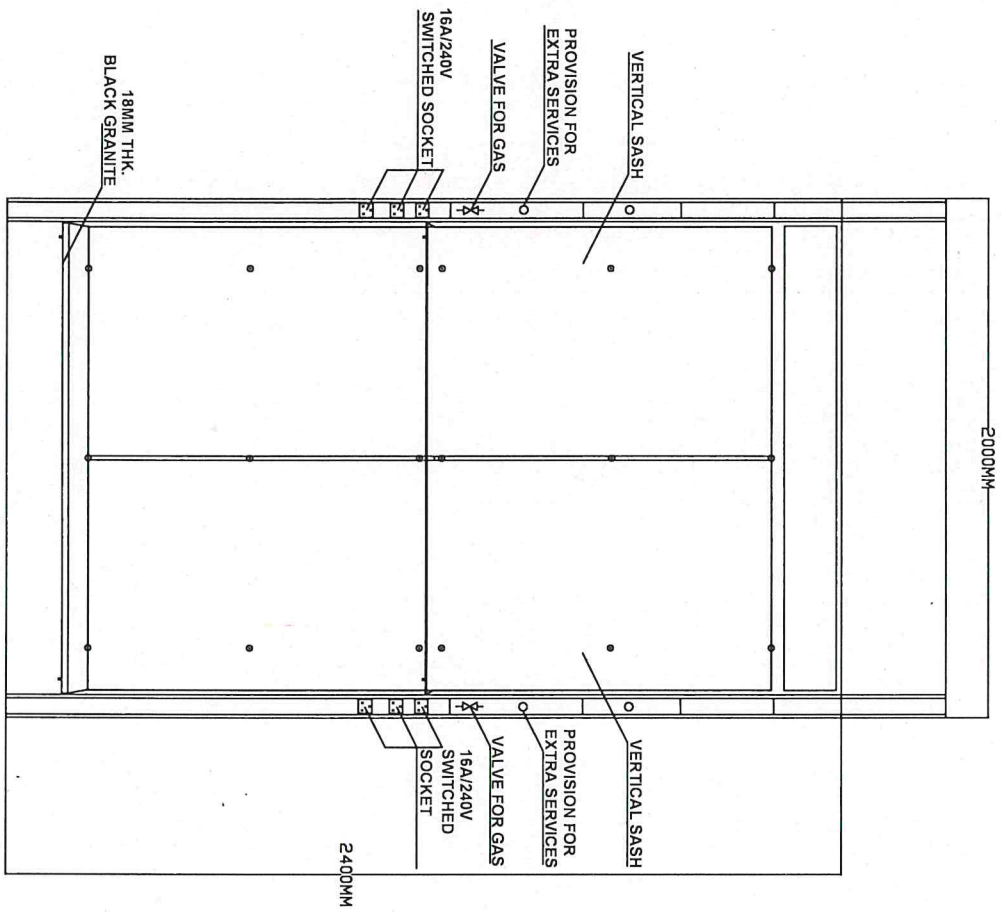
Room 3

Pragendis

Amir



Pragade



Pragender