

## National Centre for Sustainable Aquaculture

(MPEDA, Ministry of Commerce & Industry, Government of India)

ISO 9001: 2015

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### NOTICE OF AMMENDMENTS FOR QUOTATION REF No: NaCSA/HQ/Tech/14/2019-20 Date 26-02-2020

We would like to bring to your notice that few amendments need to incorporate due to typo errors and few points were missed. Kindly note the below mentioned and participate in our tender.

1. The last date for submission of quotation is extended to 09.03.2020.
2. Modification of specification in Incubator and Laminar air flow, earlier under this item specs mentioned are oven and fume hood.

Incubator	Tender Specifications		Modified tender Specifications	
	Heating Chamber Size (IN Litrs)	64	capacity (IN Liters)	90
	Number of compartments (in nos)	1	Number of compartments (in nos)	1
	Maximum Hot Case temperature (Degree in C)	250	Maximum temperature	Ambient+5 to 90°C
	Inside Finish	SS	Overall Size (mm)	450x450x450
	Material of partition/Shelves	SS	Material of Door	Mild steel with Glass Window
	Temperature Control System	Electronic	Maximum Wattage (KW)	1
	Type of Door/Shutter	Shutter	Weight (in Kg)	50 KG
	Display of Hot Case Temp	Yes	Temperature Control System	PID
	Material of Door	Other	Inside Finish	SS
	<b>CONSTRUCTIONAL</b>		Operating Voltage (Volt)	230AC, 50 Hz
	Overall Size (mm)	570 x 500 x 720		
	Operating Voltage (Volt)	230AC		
	Weight (in Kg)	52		
<b>Laminar air flow</b>	<b>Tender Specifications</b>		<b>Modified tender Specifications</b>	

Laminar air flow	2*2*3		Laminar air flow cabinets	Class-II standard
	Size of Sink (mm)	200 millimeter	Product Code available on Web	No
	Power Rating	100	Laminar flow is based on principle of double filtration of air	
	Drawing No.	10	Type of Filter	HEPA
	Product Code available on Web	No	Atmospheric air will be drawn through the pre-filters by heavy duty blowers	
	Safety Device Trip (Nos)	1	Filtered air than passed through highly effective HEPA Filters with 99.97% efficiency for particulates of 0.3 micron or larger, which can filter almost all air born contaminants such as dust, fungal spores, bacteria etc	
	Material of Base Cabinet	SS	Double filtered laminar flow air will blow horizontally/vertically through the working table at a nominal velocity or approx 90 Fts/min	
	Working Platform Material	SS	Heavy duty blowers dynamically balanced with 0.25 HP electric motor are mounted on shock resistant base of cabinet or anti-vibration pads, operate on 230 +/- 10 volts, 50 Hz AC supply	
	Double wall Construction	Yes	Shadow less uniform lighting is provided within working space (100 feet candles). Unit will be mounted on caster wheel and supplied with high quality plug and cord.	
	Ducting Material	SS		
	Details of Electrical outlets	YES		
	Product Code No	3452		
	Air Flow (Cubic metre/hr)	100		
	Width of Base Cabinet (mm)	609		
	Material of Front shutter	other		

Overall length of Fumehood (mm)	914		
Base Cabinets	With		
Ducting for hood	With		
Efficiency & Noise level of Blower (% , dB)	65DB		
Thickness of wall (mm)	40		
Operating Temperature of Fume hood (degree C)	50degreeCelsius		
Material of Fume hood	SS		
No. of Drawers in the Base Storage Unit (Nos)	1		
Fumehood installation Kit and Accessories	With		
Height of Base Cabinet (mm)	914		
Type of Filter	HEPA		
Type of Fume hood	Laboratory		
Length of Base Cabinet (mm)	609		
Fire Resistant	Yes		
Utility Pipe lines for Nitrogen, Compressed Air & Water etc.	No		

3. Line item no 21 is added in lab equipment A in package A. item is online UPS 3 kva specs as mentioned below.

<b>Smart-UPS Online</b>		
	<b>Nominal Input Voltage</b>	<b>230V</b>
	Input Frequency	40-70 Hz
	Input Voltage	100-285 V Output de-rated < 160 V ... 50% capacity at 100V
	Input Power Factor	0.98
	Input Protection	Circuit Breaker
	<b>Output Specifications</b>	
	Output Power Capacity	<b>3000 VA / 2400 W</b>

	Nominal Output Voltage	230 V
	Other Programmable Voltages	220 V / 240 V
	Efficiency at Full Load (Double-Conversion, AC-AC	> 92%
	Efficiency at Full Load (Green mode)	97%
	Bypass Type	Internal Bypass (automatic & manual), Self-powered
	Bypass Input Voltage Range	160 V – 270V
	<b>Battery Charger Specifications</b>	
	Supported Battery Types	SMF / Flooded (selectable)
	Battery Bank Voltage	72 V nominal
	Charger Power / Current	1000 W / 13 A max (Auto adjusting per battery Ah selected)
	<b>Environmental Specifications</b>	
	Operating Temp	0 – 500C (Output de-rated above 400C)
	Storage Temp	-150C to 600C
	Operating Elevation	1000m without de-rating
	Storage Elevation	15000m
	Humidity	0 to 95% RH, non-condensing
	Dimensions without pack	432 mm (W) x 85 mm (H) x 483 mm (D)
	Dimensions with packing	575 mm (W) x 265 mm (H) x 585 mm (D)

4. In terms and conditions point no XI added and need to be considered.

**TERMS AND CONDITIONS:** XI. All items in package A/B to be quoted by the bidder, evaluation will be done on package A and package B basis only. If any item in a particular package didn't quoted/technically not matching as per spec. In that case quoted package quote will be considered as disqualified.

Please download the revised quotation document and BOQ (excel file) from our website [nacsampeda.org.in](http://nacsampeda.org.in)

S/d-  
CEO, NaCSA

Date 05/03/2020  
Kakinada