



No. AIIMS/R/CS/Micro/17/63/OT

Corrigendum

Tender ID.No.2017_IMSRP_269341_1, Dated:23.11.2017.

With reference to above Tender ID.No., the following amendment is issued:

S.No.	Page no And Point no in the NIT	Existing Tender Specification	To be read as
1.	Page.No.6, Sr.No.1.d.	d.The bidder should have minimum solvency of Rs.2,00,00,000.00.Solvency certificate from the Bidder's Bankers be submitted.	d.Deleted.
2.	Page no 13,Sr.No.1. 1f	Bio-Safety Cabinets (Class II B2 Type)	Bio-Safety Cabinets (Class II A2 Type)
3.	Page.No.14, Sr.No.2	<p>Tender Drawings:</p> <p>The following tender drawings of the proposed Laboratory facility are attached for reference purpose and guidance to the Bidders to understand the scope of work</p> <ul style="list-style-type: none">• Area Layout Plan• Human flow layout• Material flow layout• Zoning Layout Plan• HVAC Layout• Light fixture Layout• Electrical switch and socket Layout• Fire Alarm System (FDA) Layout• CCTV System Layout <p>The Bidder/executing agency shall check and verify the correctness of dimensions and quantities given and indicated in the tender drawings. The work shall be executed as given and detailed in the scope of work, technical specifications and the final design and drawings to be submitted by the Bidder and approved by the Employer.</p>	<p>Drawing of Laboratory Facilities:</p> <p>1.The basic architectural layout of the BSL-2 and BSL-3 laboratories provided in the original tender document stands cancelled herewith.</p> <p>2.The vendors are requested to prepare the designs of BSL-2 and BSL-3 lab taking following points into consideration.Original building layout of the proposed area is attached herewith for the reference.</p> <p>a. It may be noted that,the area labeled as autoclave room adjacent to the proposed BSL-2 and BSL-3 laboratory in the original layout (designated as AHU room in present layout) is no longer available for keeping the autoclave or extension/inclusion in BSL3 laboratory layout since the AHU placed in that area cannot be shifted elsewhere.Hence,vendors are requested to prepare the design of BSL-2 and BSL-3 lab considering the available area only (labeled as conference room in attached layout).</p> <p>b.The wall between conference room and TB room as depicted in the present layout may be utilized for installation of double door autoclave.</p> <p>c.Open space at ground level behind the proposed BSL-3 and BSL-2 lab (in between two buildings) can be used for installing the HVAC systems,Efficient Treatment plant,DG set and other related accessory machines.All the civil and other related work required for installation of these items will be a part of turn key.</p> <p>d.It may be strictly noted that,additional areas from the existing rooms adjacent to the proposed BSL-2/3 lab and LPA lab cannot be spared for inclusion in the revised design as they are meant for functioning of other laboratories.</p> <p>e.The bricks wall between corridor and BSL-2/3 areas as well as between corridor and LPA area cannot be demolished. The corridor needs to be kept open for providing emergency exit from the building.</p> <p>3.The layout for LPA area remain unchanged.</p> <p>4. The work shall be executed as given and detailed in the scope of work, technical specifications and the final design and drawings to be submitted by the Bidder and approved by the Employer.</p>
4.	Page no 14,Sr No.3.1.3a & 3b	Panel Thickness to be 100mm & 50-75mm	Panel Thickness to be atleast 45mm thick.
5.	Page no	The Biosafety Doors of fumigation air lock and	Biosafety Doors.

	16,Sr.No.3.1.3 f	BSL-2/3 Laboratory shall be Air-Tight Doors, provided within flatable gaskets, connected to compressed airline from the air compressor, to ensure perfect sealing when in closed position. The inflatable gaskets shall be interlocked with the door interlock system such that when the door is closed, the gasket should inflate and seal the door and when the door release button is pressed, the gasket should deflate to allow opening of the door. The doors shall be provided with sealed vision glass and shall be complete with door closers and SS handles.	1.The door frames & door shutters of Biosafety doors for showers and air locks shall be constructed in 16 swg stainless steel 304. 2. The Biosafety Doors of fumigation air lock and BSL-2/3 Laboratory shall be Air-Tight Doors, provided within flatable gaskets, connected to compressed airline from the air compressor, to ensure perfect sealing when in closed position. The inflatable gaskets shall be interlocked with the door interlock system such that when the door is closed, the gasket should inflate and seal the door and when the door release button is pressed, the gasket should deflate to allow opening of the door. The doors shall be provided with sealed vision glass and shall be complete with door closers and SS handles.
6.	Page.No.17, Sr.No.3.2.1. a	a.Chiller Pack: The Chiller Pack shall be skid mounted with Air Cooled Condenser, Evaporator/Chiller, Micro-processor control panel, interconnecting control and power wiring, refrigerant charge etc. complete in all respect. To economize the operating cost and provide backup capacity, the chiller pack shall have multiple compressors. The Chiller Pack unit shall be completely factory assembled including: <ul style="list-style-type: none"> •Evaporator •Air cooled Condenser •Oil separator •Hermetically sealed Compressors(Screw/Scroll) •Compressor Motor •Microprocessor based control panel •Inter connecting refrigerant piping, wiring and other accessories •Refrigerant •Chiller Pack mounted on sturdy MS painted baseframe •Anti-vibration mounts/pads 	a.Chiller Pack: The Chiller Pack shall be skid mounted with Air Cooled Condenser, Evaporator/Chiller, Micro-processor control panel, interconnecting control and power wiring, refrigerant charge etc. complete in all respect. To economize the operating cost and provide backup capacity, the chiller pack shall have multiple compressors. The Chiller Pack unit shall be completely factory assembled including: <ul style="list-style-type: none"> •Evaporator •Air cooled Condenser •Oil separator •Hermetically sealed Compressors(Screw/Scroll) •Compressor Motor •Microprocessor based control panel •Inter connecting refrigerant piping, wiring and other accessories •Refrigerant •Chiller Pack mounted on sturdy MS painted baseframe •Anti-vibration mounts/pads •Provision of chilled water connection to the facility will be in the scope of the bidder.
7.	Page no 21,S.No.3.2.5	Duct Insulation: Closed cell, Fire retardant, self extinguishing type cross linked polyethylene insulation density not less than 24 Kg/sqM, "K" value not more than 0.028 Kcal/degC with adhesive tape etc, on duct complete as per specification and drawings	Duct Insulation: Closed cell, Fire retardant, self extinguishing type cross linked polyethylene insulation density not less than 24 Kg/sqM, "K" value not more than 0.028 Kcal/degC with adhesive tape OR made up of Nitrile rubber insulation "o" grade of density not less than 40 kgs/cum.
8.	Page.No.20, Sr.No. 3.2.4	1.BSL-3 Lab Supply Air 2.BSL-2 & LPA Lab supply of Air	1.Terminal Hepa filter is not required. 2.Terminal Hepa filter to be supplied only in LPA area.
9.	Page no 28,Point.E	UPS capacity is of 5KVA	UPS capacity to be upto 30 KVA .
10.	Additional Points to be added on Page.No.32	Nil	Point.No.3.5.J: SHOWER SYSTEM The shower system for BSL-3 Lab shall comprise of pre-fabricated cubicle and doors constructed in SS 304 (16 gauge) of approximately 1.5 mtr. dia. All the joints shall be argon welded and perfectly buffed and shall be free from any blurs and sharp edges. The shower cubicle shall be provided with supply & return air diffusers and light fixture. The shower cubicle door shall be of approximately 750x 2100 mm size. The shower floor shall be perforated type with effluent collection tray at the bottom to allow connection with the effluent drain line without making any opening or puncturing the existing RCC floor slab. A water heater/calorifier shall be provided for supply of continuous heated water to the showers at controlled temperature (30-35 Deg. C) during winters. The shower system shall be complete with a separate shower water storage tank, insulated water distribution/recirculation piping, water distribution pumps (1W+1S), valves, flow meters, batch controllers (to set each shower cycle), hot water generator, control panel and all other necessary controls, wiring, piping etc. complete as required.
11.	Additional makes to be added in the tender on	1. Containment HEPA Filter Housing: Camfil/YIT/Klenzaid. 2. Autoclave: Pharmalab/Klenzaid/Machinfabrik. 3. Dynamic PassBox: Esco/Klenzaid/I-Clean.	1.Containment HEPA Filter Housing: Camfil/YIT/Klenzaid/ Thermadyne/Meckmark . 2. Autoclave: Pharmalab/Klenzaid/Machinfabrik/ Fabtech/ Natsteel .

page no 37.	4. Fire Alarm System:Honewell/System Sensor/GST/Siemens. 5. Door Interlock & Access Control:HID/LG/ESSL. 6. Prefabricated wall and ceiling panels:Nicomac/I-Clean/GMP. 7. Laboratory Doors:Nicomac/I-Clean/GMP. 8. Epoxy Coating:Dr.Beck/Apurva/Fosrok. 9. Exhaust Blowers:TCF/Caryaire/Carrier/Zeco. 10. Isolation Damper:Trox/Camfil/YIT/Klenzaid. 11. VAV:Tros/Airtek/Aldes/Celmec. 12. HEPA Filter AAF/Camlif/YIT/Klenzaid/Thermadyne. 13. Grilles/Diffuse: Carryire/MK precision/System Air. 14.Biosafety Cabinet:Esco/Nuaire/Klenzaid	3.Dynamic Pass Box:Esco/Klenzaid/I-Clean/ Biosafe/AITOS/Glzo. 4.Fire Alarm System:Honewell/System Sensor/GST/Siemens/ Agni/Coper. 5.Door Interlock & Access Control:HID/LG/ESSL/ Spectra/Real Time. 6.Prefabricated wall and ceiling panels:Nicomac/I-Clean/GMP/ Fabtech. 7.Laboratory Doors:Nicomac/I-Clean/GMP/ Fabtech. 8.Epoxy Coating:Dr.Beck/Apurva/Fosrok/ Fabtech. 9. Exhaust Blowers:TCF/Caryaire/Carrier/Zeco/ Dynamic. 10.Isolation Damper:Trox/Camfil/YIT/Klenzaid/ Fresh Air. 11. VAV:Tros/Airtek/Aldes/Celmec/ Fresh Air. 12. HEPA Filter AAF/Camlif/YIT/Klenzaid / Thermadyne Containment/Mechmark. 13. Grilles/Diffuse: Carryire/MK precision/System Air/ Fresh Air. 14. Biosafety Cabinet:Esco/Nuaire/Klenzaid/ Biosafe.
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All other terms and condition will remain unchanged.

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