

Amendment No. 1 dated 18th November, 2020

to

Bid Document

for

Design, Construction, Testing, Commissioning and Validation of TB Containment Laboratory and associated works with two years of Comprehensive warranty period on 'Turnkey Basis' in compliance with National Tuberculosis Elimination Program(NTEP), Central TB Division(CTD), Govt of India(GoI) at Sri Venkateswara Govt. Medical college (SVMC), Tirupati, Andhra Pradesh and the cost of maintenance of laboratories for the period of 3 years after warranty period .

Bid Ref. No. SAMSPL/20-21/ET/10

Reference to Bid Document	As Provided	As Amended
Para 27.A. (b) of Section-I: Instructions to Bidders (ITB) (page 15)	<p>The bidder or Bidder and their consortium partner(s) (as the case may be) together should have experience of successfully and satisfactorily executed at least one similar work* during last seven years (as on date of opening of technical bids).</p> <p>*Similar work shall mean successful Design, construction, testing, commissioning and validation of Bio-Safety laboratory (BSL2/BSL3/BSL4/TB Containment Lab) ,Biomedical research facility/vaccine facility including internal construction works, electrical works, HVAC works, Access Control System etc.</p> <p>In support of this qualification requirement, bidder should submit name and address of Client, details of similar works executed, duration of work, date of completion, handing over of work, copies of work order / contract, satisfactory completion certificate issued by the Client. Self/Own certification by agencies shall not be considered for prequalification. The technical committee will have the discretion to verify the successful and satisfactory work completion certificate</p>	<p>The bidder or Bidder and their consortium partner(s) (as the case may be) together should have experience of successfully and satisfactorily executed at least one similar work* during last seven years (as on date of opening of technical bids).</p> <p>*Similar work shall mean successful Design, construction, testing, commissioning and validation of Bio-Safety laboratory (BSL2/BSL3/BSL4/TB Containment Lab) ,Biomedical research facility/vaccine facility including internal construction works, electrical works, HVAC works, Access Control System etc.</p> <p>In support of this qualification requirement, bidder should submit name and address of Client, details of similar works executed, duration of work, date of completion, handing over of work, copies of work order / contract, satisfactory completion certificate issued by the Client. Self/Own certification by agencies shall not be considered for prequalification. The technical committee will have the discretion to verify the successful and satisfactory work completion certificate</p>

	furnished by the bidder, failing which, the experience will not be considered	furnished by the bidder, failing which, the experience will not be considered. In addition, technical committee shall have discretion to evaluate bidder's performance of executing contracts awarded by SAMS (on behalf of FIND) over the last 3 years (as on date of opening of bids) and technical committee may reject the bid in case bidder's performance has been found unsatisfactory.
Chapter III Financial Proposal – Standard Forms Form FIN-1: Priced Bill of Quantity (to be submitted online) (page 58 to 62	The Form FIN-1: Priced Bill of Quantity (to be submitted online) as provided in the Bid Document	Amended Form FIN-1: Priced Bill of Quantity (to be submitted online) as per Annexure-1

For Strategic Alliance Management Services Pvt. Ltd.

(Satya Verma)
General Manager – Procurement Services

Annexure-1

Amended Form FIN-1: Priced Bill of Quantity (to be submitted online)

S.No.	Description of work	Unit	Quantity	Unit Rate (in Rs.) inclusive of taxes	Total Cost
A	B	C	D	E	F= D x E
I	HVAC				
1	Thermal Insulation for Ducting (in SQFT)	Sq. Ft.	1000		
2	Ducting (in SQFT)	Sq. ft.	700		
3	Containment HEPA Filter(H14) Housing with Test elbow port (In Nos)	Nos.	1		
4	Diffusers, Grills (In Nos)	Nos.	15		
5	Airtight and Gastight Isolation Dampers (In Nos)	Nos.	4		
6	VAV, Dampers (VCDs, Low Leakage dampers) (In Nos)	Nos.	12		
7	Fire Dampers (In Nos)	Nos.	2		
8	Magnehelic Gauge (In Nos)	Nos.	4		
9	HEPA filter with BIBO Indigenous with Test elbow port (In Nos)	Nos.	1		
10	AHU and Ventilation Units (In Nos)	Nos.	2		
11	AHU Filters(G4, F7) (In Nos)	Nos.	2		
12	AHU Fan/Blower (in Nos)	Nos.	2		
13	Motor (in Nos)	Nos.	4		
14	Condensing Unit (in Nos)	Nos.	3		
15	compatible cooling coil	Nos.	1		
16	HVAC Control Valves (in Nos)	Nos.	1		
17	VFD (in Nos)	Nos.	2		
18	BSC ducting with Exhaust blower (Damper, Pipe, other ducting accessories material and foundation work for exhaust blower)	Nos.	4		
19	MS Structural for AHU Shed (1 Job)	Job	1		
II	Electrical Panel, AHU Control Panel, Electrical Cabling & accessories				
20	LT Switch Gears (ACB, MCCB, MCB, ELCB, RCCB, Contactors, SFUs)	Job	1		
21	FUSE	Nos.	1		
22	Protection Relays	Nos.	4		
23	Selector Switches	Nos.	1		
24	Ammeters, Voltmeters	Nos.	2		
25	Indication Lamps (LED Type)	Nos.	12		
26	Push Buttons	Nos.	10		
27	PF Meters	Nos.	1		
28	Energy Meter	Nos.	1		
29	Electric Multifunction Meter	Nos.	1		
30	Load Managers	Nos.	1		
31	Current Transformers	Nos.	1		
32	Modular Switches, Socket outlets, Ceiling lights	Nos.	20		
33	PVC Conduits, Accessories (running meter)	Nos.	100		
34	Copper wires(running meter)	Nos.	300		
35	XLPE Insulated armoured wire((running meter)	Nos.	30		
36	UPS- 3KVA 30 minutes backup	Nos.	1		
37	Distribution Board	Nos.	1		

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A	B	C	D	E	F= D x E
38	CONTROL JUNCTION BOXES	Nos.	2		
39	Contactors	set	1		
40	Timers	Set	1		
III	Interiors				
41	Modular Material for Wall Panel (In SQFT)	Sq. Ft.	1200		
42	Modular (PUFF panel) Flush Doors	Nos.	4		
43	Modular Material for Ceiling (In SQFT)	Sq. Ft.	507		
44	Epoxy flooring	Job	507		
45	CCTV Camera (1 Lot)	Nos.	1		
46	Fire Alarm system with Fire extinguishers system with smoke Detectors , main panel	Job	1		
47	Emergency eye wash and Shower	Job	1		
48	Pass Box	Nos.	2		
49	Split ACs with Accessories (2 TON) with change over timer	Nos.	2		
50	Data Cable (CATFI Cable connection point)(1 Job)	Job	1		
51	Door interlocking & access control system	Job	1		
52	Temperature sensor, transmitter & display	Job	1		
53	Humidity sensor, transmitter & display	Job	1		
54	Pressure sensor & display	Job	1		
55	EPABX Box & Telephone set, Co-axial wires & cables	Job	1		
56	Laboratory Stools	Nos.	5		
57	SS Trolley	Nos.	5		
58	SS Workbench	Nos.	2		
59	SS Shoe Racks	Nos.	1		
60	Wash Basin	Nos.	2		
61	Garment Cubicles	Nos.	1		
62	RTV Silicon Sealant	Job	1		
63	Validation of Lab & BSC	Job	1		
64	Misc Civil & Plumbing Work including AHU foundation	Job	1		
65	Dedicated Earthing	Job	1		
IV	Additional Works				
IV (1)	Room 5: (Proposed Sterilization room for Media):				
66	Complete demolish of the existing toilets of dimension (5'10"x4')+(4'9"x4')	Sqm	3.93		
67	Reflooring of area of demolished toilet with Vitrified Tiles including levelling, jointing and finishing measuring (5'10"x4')+(4'9"x4')	Sqm	3.93		
68	Permanent closure of Window on Dimension (4'5"x2'5") with brick and Mortar	Cubic meter	0.16		
69	Creation of brick wall partition of 6 inches including flooring work measuring (10'x4'6"x.5)+(4'x2'6"x.5)	Cubic meter	0.79		
70	Covering of the brick wall partition as well as existing walls of the room with Vitrified Tiles including levelling, jointing and finishing measuring(10'x8'10")+(10'x4'6")+(4'x2'6")	Sqm	13.4		
71	Creation of Glass Aluminium sliding door with proper gasketing with automatic door closure mechanism with and lock & key system measuring(3'x6'8")	Sq.ft	20		

S.No.	Description of work	Unit	Quantity	Unit Rate (in Rs.) inclusive of taxes	Total Cost
A	B	C	D	E	F= D x E
72	Door closure for Glass Aluminium door	Nos.	1		
73	Installation of Modular Switches, Socket outlets, LED Ceiling lights with necessary wiring as indicated in the layout	Nos.	8		
74	Construction of work bench of dimension 5' (L) and 2(w) with a height of 2'6" made of brick and mortar with granite top	Job	1		
75	Gypsum False ceiling at an height of 9 feet above the floor level(8'10"x4'6")	Sqft	40.48		
76	supply and Installation of 1 ceiling fan of 1200 mm sweep with all accessories including Electronic Regulator	Nos.	1		
77	supply and installation of one exhaust fan of 230mm sweep, 1400RPM,with 450 CFM free air delivery complete with all necessary accessories for completing installation	Nos.	1		
78	Providing and fixing of one wash basin (white vitreous china) with C.I.brackets, 15 mm C.P. brass pillar taps,32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require.	Nos.	1		
79	Installation of DB MCB boxes 32 Amp , wall/column mounted with earthing terminals and provision for incoming and outgoing cable terminals(Autoclave 1 No, Water Distillation unit 1 No.)	Nos.	2		
IV (2)	Room 6 & 7: (Proposed Media and Ante room):				
80	Complete demolish of the existing wall in between Room No 1 and Room No. 2 measuring (12'10"x10')	Sqm	11.89		
81	Reflooring of area of demolished toilet with Vitrified Tiles including levelling, jointing and finishing measuring (12'10"x6")	Sqm	0.59		
82	Creation of brick wall partition of 6 inches including flooring work measuring (4'x16'4"x.5)+(4'x7'6"x.5)+(4'x7'6"x.5)	Cubic meter	1.78		
83	Covering of the brick wall partition as well as existing walls of the room with Vitrified Tiles including levelling, jointing and finishing measuring(4'x16'4")+(4'x7'6")+(4'x7'6")+(8x7'6")+(8'x12')	Sqm	26.3		
84	Creation of glass aluminium wall partition with proper gasketing measuring upto ceiling height from the top of brick wall partition(6'x16'4")+(6'x7'6")	Sqft	144		
85	Permanent closure of Window on Dimension (5'8"x4'5") with brick and Mortar	Cubic meter	0.38		
86	Creation of 2 Nos. glass aluminium door with proper gasketing with automatic door closure mechanism with and lock & key system measuring(2'6"x6'8")	Sqft	16.66		
87	Door closure for Glass Aluminium door	Nos.	2		

S.No.	Description of work	Unit	Quantity	Unit Rate (in Rs.) inclusive of taxes	Total Cost
A	B	C	D	E	F= D x E
88	Construction of 1 number of L shaped cemented slab with granite top of dimension granite top of dimension 8 feet (L) X 2 feet 6-inch (W)+3 feet (L)x 2 feet (W) with a height of 2'6"	Job	1		
89	Gypsum False ceiling at an height of 9 feet above the floor level(16'4"x7'6")	Sqft	122.5		
90	Installation of Modular Switches, Socket outlets, LED Ceiling lights with necessary wiring as indicated in the layout	Nos.	18		
91	Supply and installation of 1 number of spilt AC of 1.5 TR with in-built inverter, minimum 3-star rating with voltage stabilizer needs to be installed with proper drainage facility. These will be inverter ACs (minimum three star) of Hitachi/ Bluestar/ Carrier/ Lloyd/ Godrej or equivalent OEM with suitable voltage stabilizer	Nos.	1		
92	Installation of DB MCB boxes 25 Amp , wall/column mounted with earthing terminals and provision for incoming and outgoing cable terminals(Split AC)	Nos.	1		
93	Provision of stainless steel Shoe Rack	Nos.	1		
94	Provision of stainless steel Storage Rack	Nos.	1		
IV (3)	Room 18 (Proposed Incubator Room & Proposed Culture Reading Room):				
95	Creation of brick wall partition of 6 inches including flooring work measuring (4'x11'x.5)+(4'x7'x.5)	Cubic meter	1.01		
96	Covering of the brick wall partition as well as existing walls of the room with Vitrified Tiles including levelling, jointing and finishing measuring (4'x11')+(4'x7')+(8'x7')+(8'x11')+(4'x11')	Sqm	24		
97	Creation of glass aluminium wall partition with proper gasketing measuring upto ceiling height from the top of brick wall partition (6'x11')+(6'x7')	Sqft	108		
98	Creation of 2 glass aluminium door with proper gasketing measuring(3'6"x6'8") and (4'x6'8")	Sqft	51		
99	Door closure for 2 Glass Aluminium door	Nos.	2		
100	Gypsum False ceiling at an height of 9 feet above the floor level(11'x7')	Sqft	77		
101	Construction of work bench of dimension 3' (L) and 2 (w) with a height of 2'6" made of stainless steel with granite top	Nos.	1		
102	Installation of Modular Switches, Socket outlets, LED Ceiling lights with necessary wiring as indicated in the layout	Nos.	9		
103	Supply and installation of 1 number of spilt AC of 1 TR with in-built inverter, minimum 3-star rating with voltage stabilizer needs to be installed with proper drainage facility. These will be inverter ACs (minimum three star) of Hitachi/ Bluestar/ Carrier/ Lloyd/ Godrej or equivalent OEM with suitable voltage stabilizer	Nos.	1		

S.No.	Description of work	Unit	Quantity	Unit Rate (in Rs.) inclusive of taxes	Total Cost
A	B	C	D	E	F= D x E
104	supply and Installation of 1 ceiling fan of 1200 mm sweep with all accessories including Electronic Regulator	Nos.	1		
IV (4)	Room 19 (Proposed Autoclave Room):				
105	Covering of the brick wall partition as well as existing walls of the room with Vitrified Tiles including levelling, jointing and finishing measuring(4'x11')+(10'x10'5")+(10'x11'10")	Sqm	24		
106	Creation of Glass aluminium wall partition with proper gasketing measuring (6'x10'5")	Sqft	60.5		
107	Creation of a glass aluminium door with proper gasketing measuring(3'6"x6'8")	Sqft	22.75		
108	Door closure for Glass Aluminium door	Nos.	1		
109	Providing and fixing of one wash basin (white vitreous china square with sufficient depth) with C.I. brackets, 15 mm C.P. brass pillar taps,32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require with proper drainage facility.	Nos.	1		
110	supply and Installation of 1 ceiling fan of 1200 mm sweep with all accessories including Electronic Regulator	Nos.	1		
111	supply and installation of one exhaust fan of 230mm sweep, 2000 RPM, with 750 CFM free air delivery complete with all necessary accessories for completing installation .	Nos.	1		
112	Modular Switches, Socket outlets, Ceiling lights in room as well as passage of Autoclave and Incubator Room	Nos.	17		
113	Construction of work bench of dimension 7'3" (L) and 2'6" (w) with an height of 2'6" made of brick and mortar with granite top	Nos.	1		
114	DB MCB boxes 32 Amp , wall/column mounted with earthing terminals and provision for incoming and outgoing cable terminals(Autoclave 2 Nos)	Nos.	3		
IV (5)	Other Works				
115	Cost for Electrical work including point wire, electrical PVC conduit with proper earthing connection with room wise distribution board of adequate capacity (set)	Job	1		
V	Annual Maintenance Services (after expiry of warranty period of 2 years)				
116	Year-1	Job	1		
117	Year-2	Job	1		
118	Year-3	Job	1		
	Total Bid Price				Rs._____