BID DOCUMENT

NATIONAL COMPETITIVE BIDDING

FOR

SUPPLY, INSTALLATION, COMMISSIONING AND MAINTENANCE OF Equipment & software related to Data Center Renovation and Shifting
FOR
National Institute of Mental Health and Neurosciences, Bangalore

NIT No.: EdCIL/PROC/NIMHANS-2019/DATA CENTER/03/ P4979
Date: 20-06-2019

PART-II- FINANCIAL BID

EdCIL (India) Limited
(A Govt. of India Mini Ratna Enterprises)
'EdCIL House', Plot No. 18A, Sector- 16A
NOIDA – 201301 (UP), INDIA
Tel: 0120 – 4156001-002,4154003,
2512004-006,4310840

Dated: 20-06-2019
This document is serially numbered from page number 01 to 22

FINANCIAL BID

Instructions to Bidders

1. Financial Bid shall be submitted with full price details. Financial Bid shall contain only the prices duly filled in as per the format given in Schedule of Rates provided in the tender document. Price bid should not have any Commercial and/or Technical stipulation in addition to, what is already given in Part I – Technical Bid. Financial Bid Standard Forms Namely **Form-1, Form-2, Form 3 and Annexure-I** along with **financial bid submission form** shall be used for the preparation of the price quote according to the instructions provided.

2. The Bidder should quote for all the items listed in this document. In case, the Bidder/s does not quote for all the items, the Bid shall be treated as incomplete and shall be rejected summarily.

3. The rate shall be inclusive of all charges including octroi, transportation (as per the location), packing, loading and unloading (at designated location), Insurance etc. and nothing shall be paid extra.

4. The bid shall be evaluated on total value of all items as shown in summary **(Form 1)** and supply order shall be placed to a bidder as a composite bid.

5. The Bidders shall quote the prices of items (Spare parts) given in **ANNEXURE II** separately. The Spare parts value Quoted in **Annexure II** shall not be used in the Evaluation of Total Bid Value.

6. The prices quoted by the bidder shall be fixed for the quantity mentioned for the duration of the contract and shall not be subject to adjustment on any account. Price should be firm for any positive or negative variation in quantities up to 100%.

7. The changes displayed in the corrigendum/addendum to the bid documents, particularly with the financial bid should be attached with the Financial Bid Submission Form, in the same packet, duly signed and stamped by the authorized signatory of the Bidder firm.

8. The financial bid **Form-1, Form-2, Form-3, Annexure-I & Annexure-II** along with financial bid submission form should be filled in all respect and uploaded in PDF format (only) duly signed and sealed by the authorized representative. In case, the financial bid documents are not complete in all respect the same should be treated as incomplete at financial bid stage and shall be considered non-responsive.

FINANCIAL BID SUBMISSION FORM

EdCIL (India) Limited
EdCIL House, 18 A, Sector-16 A
NOIDA – 201301 (U.P.), India

Dated: ___/___/2019

Dear Sir,

We, the undersigned, offer to provide "Supply, Installation, Commissioning and Maintenance of Equipment & Software related to Data Center Renovation and Shifting for National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore in accordance with your request for proposal dated ___/___/2019.

Our attached Financial Bid is for the amount of _____ *[Indicate the corresponding to the amount(s), currency(ies) {Insert amount(s) in words and figures}].*

Please note that all amounts shall be the same as in Form-1. Our Financial Bid shall be binding upon by us subject to the modifications resulting from Contract negotiations, if any, up to expiration of the validity period of the Proposal.

Yours sincerely,

Authorized Signature {In full and initials}:
Name and Title of Signatory:
In the capacity of:
Address:
E-mail:

FORM-1
SUMMARY OF FINANCIAL BIDS

S. No.	Description of Items	Amount (exclusive of Tax) (Rs.)	GST (In %)	GST (in Rs)	Total Amount (Inclusive of Tax) (Rs.)
1	DATA CENTRE BOQ ITEMS **(Form 2)**				
2	COMPREHENSIVE ANNUAL MAINTAINANCE **(ANNEXURE I)**				
	Total (Rs.)				
Total Price Bid (exclusive of taxes) (in Words) (Rupees……..…)					
Total Price Bid (Inclusive of taxes) (In Words) (Rupees……..……)					
	Signature of bidder		…….		
	Name & Address		…… …….		
	Date		…….		
Note:					
i)		*Unit price should include the cost of warranty for one year and freight and other charges such as loading/unloading, storage etc. AMC payment shall be made on Half Yearly basis.*			
ii)		*Discount or any other offers affecting the package price must be mentioned here only and shall not be considered if mentioned at any other place of the bid.*			
iii)		*In case of discrepancy between unit price and total amount, the unit price shall prevail.*			
iv)		*Bids shall be evaluated based on total amount with taxes.*			

FORM-2
SUMMARY OF BOQ ITEMS

S. No.	Description of Items	Amount (exclusive of Tax) (Rs.)	GST (in %)	GST (in Rs)	Total Amount (Inclusive of Tax) (Rs.)
1	Server & network Racks with accessories				
2	Rack based closed loop cooling system for servers and network				
3	Monitoring system with automatic door kit, signal pillar & hooter				
4	32A Rack iPDU's				
5	Data Center infrastructure monitoring software monitoring software				
6	Chiller with pump and tank and low side works				
7	75kW Modular UPS Frame with 15 minutes back up time (N+N Redundancy)				
8	Fire safety and security system				
9	Electrical distribution Works				
10	Civil Works				
11.	Dismantling, Disposing and miscellaneous civil work				
12.	Project management and other Service cost				
	Total (Rs.)				

Total Price Bid (exclusive of taxes) (in Words)
(Rupees……..)

Total Price Bid (Inclusive of taxes) (In Words)
(Rupees……)

Signature of bidder		……
Name & Address		…… ……
Date		……

Note:

i)		*Unit price should include the cost of warranty for one year and freight and other charges such as loading/unloading, storage etc. AMC payment shall be made on Half Yearly basis.*

Ii)		*Discount or any other offers affecting the package price must be mentioned here only and shall not be considered if mentioned at any other place of the bid.*
iii)		*In case of discrepancy between unit price and total amount, the unit price shall prevail.*
iv)		*Bids shall be evaluated based on total amount with taxes.*

FORM-3

(PRICE SCHEDULE OF BOQ ITEMS IN INR)

Item No	Broad Specification	Qty	Make/Model	Unit Price (Rs.)	Amount (Exclusive of Tax) (Rs.)	GST (in %)	GST (in Rs.)	Total Amount (Inclusive of Tax) (Rs.)
		1		2	3 = (1x2)	4	5	6 = 3+5
I)	**Server and Network Racks with Accessories**							
1	Server Rack , 600 W x 2000 H x 1200 D,Front Glass Door with comfort handle with lock insert (130 Degree Hinges) with Rear sheet steel Double plain door(130 Degree Hinges) with Door vertical and Horizontal Door Stiffener with comfort handle with lock insert , Top cover with cutout with cover plate for cable entry, bottom cover with gland plates for cable entry, 19" angles 2 pairs on 4 nos of cable troughs front and rear, 6 nos of punched sections. RAL 7035	10 Nos						
2	Network Rack , 800 W x 2000 H x 1200 D,Front Glass Door with comfort handle with lock insert (130 Degree Hinges) with Rear sheet steel Double plain door (130 Degree Hinges) with Door vertical and Horizontal Door Stiffener with comfort handle with lock insert, Top cover with cutout with cover plate for cable entry, bottom cover with gland plates for cable entry, 19" angles 2 pairs on 4 nos of	2 Nos						

	cable troughts front and rear, 6 nos of punched sections. RAL 7035.							
3	Side Panel 2000H X 1200D Screw Fixed, unvented (RAL 7035)	2 Set						
4	Metal Shunting rings 90x60 (Pack of 10)	16 Pks						
5	Component Shelf 720mm Deep RAL 7035	12 Nos						
6	Captive hardware (Pack of 20)	48 pks						
7	Baying kit (Pack of 4)	16 Pks						
8	Blanking Panel 1 U, ABS Material (Black Colour)	240Nos						
9	Earth Straps,4Sqm,170mm In length Pack of 5	24 Pks						
10	Earth rail 15x5x450 with 20 Points	12 Nos						
11	Socket strip 5A,19" Mounted with 6 Sockets with 1.8 Mtr power chord with 6A plug. RAL 7035	12 Nos						
12	1U 19" Horizontal Cable Manager (Zinc blue plated)	32 Nos						
13	Cable route 300Wx1700H RAL 7035	4 Nos						
	Approved Makes: NetRack / Valrack / Rittal							
	SUB TOTAL							
II)	**Rack Based Closed Loop Cooling Systems for Server and Networks Racks**							
1	Chilled Water based In Rack Closed Loop Cooling Unit 30kW & dimension - 300x2000x1200	6 Nos						
2	Fan module	12 Nos						
3	Touchscreen-display	6 Nos						
4	Overflow Valve	6 Nos						

5	Levelling feet	6 Nos						
6	Vertical Shielding, for 600mm. Side	2 Nos						
7	Vertical Shielding, for 600mm. 19"	18 Nos						
8	Vertical Shielding, for 800mm. Side	2 Nos						
9	Vertical Shielding, for 800mm. 19"	2 Nos						
10	Connection Hose TOP	6 Nos.						
	Approved Makes: Stilz/Rittal / U Systems / Cool Centric							
	SUB TOTAL							
III)	**Monitoring System with Automatic Door Kit, Signal Pillar& Hooter**							
1	Smart Rack Processing Unit	2 Nos						
2	Temperature/humidity sensor	12 Nos						
3	Programming cable USB	1 No						
4	Door Kit TS IT, 2-piece door	12 Nos						
5	Smoke sensor	12 Nos						
6	Water Leakage sensor, 15 m	2 Nos						
7	Door Control Module for Automatic door opening in case of emergency	6 Nos						
8	GSM Unit for generating SMS alerts	2 Nos						
9	Door Switch	12 Nos						
10	Power pack	8 Nos						
11	Connection cable C13/C14	8 Nos						
12	Mounting unit, 1 U for controller	8 Nos						
13	Cable clamp rail	8 Nos						
14	CAN-Bus connection cable, 1,5 m	20 Nos						
15	CAN-Bus connection cable, 2 m	40 Nos						
16	Mounting component for Signal pillar	2 Nos						
17	Led Steady light	2 Nos						
18	Connection component	2 Nos						

19	Acoustic component for Signal piller (100dB)	2 Nos						
	Approved Makes: Stulz / Rittal / Netrack/Raritan							
	SUB TOTAL							
IV)	**32A Rack iPDU's**							
1	Vertical Rack Mounted PDU metered 32A/1P CEE 24xC13 / 4xC19	24 Nos						
	Approved Makes: Raritan / Server technology / Rittal							
	SUB TOTAL							
V)	**Data Center Infrastructure Monitoring Software**							
1	Server Appliance, Server with Win	1 No						
2	Server Appliance, Software	1 No						
3	Server Appliance, Graphic tool	1 No						
4	Volume licenses for 100 IP nodes and 8 consoles, Software	1 No						
5	Volume licenses for 100 IP nodes and 8 consoles, graphic tool	1 No						
	Approved Makes: GreenField / Athenta / Rittal/ Sunbird							
	SUB TOTAL							
VI)	**Chiller with Pump & Tank and Low Side Works**							
1	Packaged 20TR Chiller with inbuilt Pumps (1W+1S) & Tank	2 set						
2	Low Side Chilled Water Piping with all necessary accessories & Installation of 25 mtr. with stand and accessories	1 lot						
3	Project management , I&C , Freight and Unloading Charges	1 Job						

	Chiller Approved Makes: Swegon Bluebox / Clemanventa / York / Carrier							
	Pump Approved Makes: Grundfos / Kirloskar / Beacon							
	SUB TOTAL							
VII)	**75kW Modular UPS Frame with 15 minutes back up time (N+N Redundancy)**							
1	75 KW Modular Frame to accommodate 3#25kW UPS power Module with Battery Breaker.	2 Set						
2	25kW UPS power Module with:							
	a. IGBT Rectifier & Inverter.	4 Set						
	b. AC- AC efficiency 95% or better.	4 Set						
3	15 mins Battery Bank for 50 kW load	2 Set						
4	Cabling & Interlinks	1 Lot						
	Approved Makes: Eaton / Socomec / Delta							
	SUB TOTAL							
VIII)	**Fire safety and security system**							
A	**Fire Alarm System**							
1	Supply, of Intelligent Addressable fire alarm control panel with 50-point card and battery backup of 24 hrs. in normal condition and 30 min in alarm condition.	1 Nos						

2	Supply of Intelligent Addressable Smoke detector with Fire Print Technology having responsiveness of photoelectric, thermal, ionization technology and false alarm resistance along with base. The detector shall have facility to mount in different comprehensive environment like Hostile environment, Parking Garage, HVAC Ducts, Precious storage, Transformer rooms, Ware house, Dormitory and normal working environments.	16 Nos						
3	Supply of UL listed, and FM approved Single action Manual Pull Station	2 nos						
4	Supply of UL listed Conventional Sounder having 2 different tone settings with range of 78 dbA to 87 dbA.	2 Nos						
5	SITC of Response Indicator	6 Nos						
6	SITC of Addressable Control Modules for Activate the gas Release panel	2 Nos						
7	SITC of Addressable Control Modules for Access control integration.	2 Nos						
8	SITC of 2 core 1.5 Sq. MM CU PVC sheathed armored cable	250 m						
	Approved makes: Fire Alarm System- Siemens / Tyco/ Honewell							
	SUB TOTAL							
B	**Fire Suppression System**							
1	SITC of 120 Ltrs. Cylinder with Valve & Warning Sign Boards	3 Nos						
2	SITC of Novec 1230 Gas	240 Kgs						

3	SITC of Master Kit for cylinder system	2 Nos						
4	SITC of Slave Kit for cylinder system	1 No						
5	SITC of Nozzles	6 Nos						
6	SITC of Seamless Piping for Fire suppression Cylinder	1 No						
7	SITC of Manual Abort Station with Monitor Module	2 Nos						
8	SITC of 2 Zone Gas Release panel with Battery backup	2 Nos						
9	SITC of Manual Gas Release Station with Monitor Module	2 Nos						
10	SITC of Discharge Sign Board	2 Nos						
11	SITC of 2 core 1.5 Sq. MM CU PVC sheathed armoured cable	250 m						
	Approved makes : Siemens / Tyco/ Honeywell							
	SUB TOTAL							
C	**Water Leak Detection**							
1	SITC of Water Leak Cable with end connections (10Mtrs)	6 Nos						
2	SITC of Electronic Sounder 85db	1 Nos						
3	SITC of 4 Zone Water Leak Conventional Panel with Battery Charger & Battery Connectors	6 Nos						
4	SITC of 2core x 1.5 mm2, Cu, FRLS Cable in MS Conduits	50 m						
	Approved makes:Sontay / Tyco / Siemens							
	SUB TOTAL							
D	**Rodent Repellent System**							
1	Master Console without satellites for Rodent Repellent system	1 No						

2	Satellites to be installed with the Rodent Repellant System at a minimum of 24 satellites per master console	16 Nos						
3	Supply and surface laying of 2 core x 1 Sq.mm cable flexible cable in 20mm dia PVC conduit	100 m						
	Approved makes:Maser / RScat							
	SUB TOTAL							
E	**Very Early Smoke Detection System (VESDA)**							
1	SITC of an Aspiration fire alarm Aspiration sensing technology, The Standalone, Faster and Cost-Effective Laser Aspiration Detector. It is ideal solution for Small and Medium Challenging Smoke Detection Jobs, Typically in Small data center Server room Applications with BMS integration.	1 No						
2	SITC of Power Supply 220VAC to 24VDC 1.5Amp	1 No						
3	SITC of Aspiration Nozzles & Capillary tube	12 Nos						
4	SITC of PVC pipe & Accessories	50 m						
5	SITC of Hooter Cum Strobe	2 nos						
	Approved makes: Siemens / Tyco / System Sensor							
	SUB TOTAL							
F	**Closed Circuit Television System (CCTV)**							
1	SITC of IP IR Dome (Mini), 1.3MP 1080P,2.8mm Fixed Lens.	6 Nos						
2	SITC of 8 port POE network switches	1 No						

	with 30 days storage.							
3	SITC of CAT 6 Video cable in PVC Conduit for CCTV.	150 lot						
	SUB TOTAL							
G	**Access Control System (ACS)**							
1	SITC Single door 2 Reader Access Control Panel with	2 Nos						
2	onboard TCP/IP, Supports Standard Wiegand Reader with	2 Nos						
3	Metal Enclosure & inbuilt Power Supply. SITC of Fingerprint T&A System Fingerprint storage 3000 Fingerprint Password Combination verification mode to open door Wiegand Out.	2 Nos						
4	SITC of Proximity Card Reader.	2 Nos						
5	SITC of Electro Magnetic Lock - Single Leaf	1 Nos						
6	SITC of Electro Magnetic Lock - Double Leaf	3 Nos						
7	SITC of Magnetic contact	4 Nos						
8	SITC of HID Proximity Card.	50 Nos						
9	SITC of Access Control Management Software.	1 No						
10	SITC of 4 Core 0.75 sq mm Cable with PVC conduits	100m						
11	SITC of Cat 6 cable for Networking of Access Controller in PVC conduit.	100m						
	SUB TOTAL							
H	**Public Address System (PAS)**							
1	Ceiling Mounted Speakers (4 W)	8 Nos						
3	60 W Plena Mixing Amplifier	1 No						

3	PA Console gooseneck microphone for making announcements.	1 No						
4	24/ 0.2 Speaker Cable in 19" FRLS PVC Conduit	75 m						
	SUB TOTAL							
IX	**Electrical distribution Works**							
1	Electrical works (Raw power Distribution, UPS distribution, earthing, cabling & lighting)	1 set						
2	CABLES & CABLE TRAYS	1 lot						
3	POWER SOCKET OUTLETS	1 lot						
4	EARTHING	4 lots						
5	POWER DISTRIBUTION BOARDS:							
5.1	MAIN DC PANEL	2 nos						
5.2	RAW POWER AC DB - AE 1050	1 no						
5.3	UPS OUTPUT DB	2 nos						
6	LUMINAIRES	1 lot						
7	INTERNAL WIRING	1 lot						
	SUB TOTAL							
X	**Civil Works**							
1	FIRE RATED Gypsum Board Partitions	35 sqm						
2	Supply & fixing of 25 mm O class floor Insulation	186 sqm						
3	RAISED FLOOR 400mm high	112 Sqm						
4	False floor Tile Puller (Double Cup)	2 nos						
5	Providing and laying 2mm thick epoxy antistatic rubberized coating on floors	30 sqm						
6	Providing & making 115mm thick Brick masonry for ramp in Cement Mortar of 1: 4 (1 cement: 4 coarse sand) mix of class	2.5 Cum						

	designation 75.							
7	FIRED RATED DOOR - Single Door of size 1000 wideX 2100MM high with same specification as above for BMS room,Staging Room. Door to have provision for fixing Access control system	2 nos						
8	FIRED RATED DOOR - Double Door of size 1200 wideX 2100 MM high with same specification as above Door to have provision for fixing Access control system.	2 nos						
9	FIRED RATED DOOR - Double Door of size 1500 wide X 2100 MM high 2 hours fire rated entrance door frame	1 no						
10	EMERGENCY EXIT FIRED RATED SINGLE DOOR OF SIZE 1000MM X 2100MM with Panic bar.	2 nos						
11	Providing and fixing Steel lintel made of 3mm thick cold rolled sheets. The sheets should be duly perforated with 12.5 mm dia. holes which helps good mortar adhesion. The entire product is finally phosphate in for surface treated and then powder coated to 60 to 80 microns for corrosion prevention.	10 m						

12	Fire paint: 2 hr fire rated paint of approved brand and shade to internal surfaces (walls / partitions/ ceiling or any other location as directed), to give an even shade, including thoroughly brushing the surface free from foreign matter,sand papering smooth, filling in all holes and cracks,applying lambi / palti and rubbing down the surface,lambi/paltisandwiched with two coats of approved primer. Rate to include all tools, labor, scaffolding, primer as required completed as directed by the engineer. *Note: Flat area in horizontal vertical plane will be measured for payment. No additional payment will be made for grooves, cornices, vatta, moldings etc.*	150 sqm						
13	Providing & fixing of Perforated METAL LAY-IN ceiling system consisting of 600x600 mm Lay in tiles of pre-coated galvanized steel in 0.5 mm thickness in white colour with standard perforation of 2.5mm dia. & open area of 16%	110 sqm						
14	Removing of Windows & Closing of Window's with Brick work, plastering & Primer Paint (approx. size): 2500 W x 2200 H	4 Nos						
15	Removing of Windows & Closing of Window's with Brick work, plastering & Primer Paint (approx. size): 2500 W x	1 no						

	2700 H							
16	Brick Work with Plastering & Primer Paint for Electrical Room: 3500 W x 3000 H	1 no						
17	Breaking of Brick Wall: 1500 W x 2200 H	1 no						
18	Breaking of Brick Wall: 1000 W x 2200 H	1 no						
19	Concrete Platform with reinforcement for Chiller & Pumps System at Roof Top 4200 W x 150 H x 2400 D	1 no						
	SUB TOTAL							
XI)	**Dismantling, Disposing and miscellaneous civil work**	Lumpsum						
	SUB TOTAL							
	GRAND TOTAL							

ANNEXURE – I

COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (for all the items listed in Form 3)

PRICE SCHEDULE

S. No.	Item Description	Qty. in Nos.	price for 2nd Yr.	price for 3rd Yr.	price for 4th Yr.	price for 5th Yr.	Combined Price for all Year	Total Taxes in Rs.	Amount (Inclusive of taxes)
A	B	C	D	E	F	G	H= D+E+F+G	I	J=H+I
I	Server & network Racks with accessories	As per Form 3							
II	Rack based closed loop cooling system for servers and network	As per Form 3							
III	Monitoring system with automatic door kit, signal piller & hooter	As per Form 3							
IV	32A Rack iPDU's	As per Form 3							
V	Data Center infrastructure monitoring software monitoring software	As per Form 3							
VI	Chiller with pump and tank and low side works	As per Form 3							
VII	75kW Modular UPS Frame with 15 minutes back up time (N+N Redundancy)	As per Form 3							
VIII	Fire safety and security system	As per Form 3							
IX	Electrical distribution Works	As per Form 3							
Sub-Total									
Total Amount (exclusive of taxes) (in Words) (Rupees……)									
Total Amount (Inclusive of taxes) (In Words) (Rupees……)									

Signature of bidder		……
Name & Address		…… ……

Date			……
Note:			
I)	*price should include the cost of warranty for one year and freight and other charges such as loading/unloading, storage etc.*		
II)	*Discount or any other offers affecting the package price must be mentioned here only and shall not be considered if mentioned at any other place of the bid.*		
III)	*In case of discrepancy between unit price and total amount, the unit price shall prevail.*		
IV)	*Bids shall be evaluated based on total amount with taxes.*		
V)	*For Civil Works only Defect liability period of 1 year shall be applicable.*		

ANNEXURE II

LIST OF SPARE PARTS which are not Covered under CAMC

Sl.No	Product Description	Unit	Unit Price (in Rs)
1	Chiller Refrigerant - R410a	Per KG	
2	Chilled Water Piping System insulation	RMT	
3	15 mins battery bank for 50 kW load Battery Bank - 1 set for each UPS	1 set	
4	FIRE RATED gypsum board partitions	Sqft	
5	25 mm O class floor/ceiling Insulation	Sqft	
6	RAISED FLOOR 450mm high (Clear) Panel Type	Sqft	
7	False floor Tile Puller (Double Cup)	Each	
8	2mm thick epoxy antistatic rubberized coating on floors	Sqmtr	
9	2 hr fire rated paint	Sqmtr	
10	Perforated METAL LAY-IN ceiling system	Sqmtr	
11	LED 36W 2' x 2' LED square fitting	Each	
12	LED 28W fitting	Each	
13	Fire Suppression System - Novec 1230 Gas	Per KG	
14	Water Leak Cable with end connections (10 Mtrs)	Each	
15	CAT 6 Video cable in PVC Conduit for CCTV.	per Mtr	
16	Aspiration Nozzles & Capilary tube	Each	
17	Ceiling Mounted Speakers (6 W)	Each	
Signature of bidder			……..…… ……
Name & Address			……..…… …… ……..…… ……
	Date		……..…… …

Note:

I)	*The Spares parts rates given above are valid for one year only.*
II)	*Unit price should include the cost of freight and other charges such as loading/unloading, storage etc.*
III)	*NIMHANS shall place orders for spare parts separately, if required during CAMC period with the successful bidder based on the market rate from second year onwards.*