1. Legrand

Sr No	Section / Page and Clause Ref	Query from bidder	C-DAC Response
1	Page no 30 of 104 Clause no 7.2.2	Noise level up to 80 db- For broader participation	As per Tender
2	Page no 32 of 104 Clause no 7.2.9	UL Certification is pertaining to USA/Canada & is certain brand specific. Kindly amend to UL/IEC certification for UPS	As per Tender
3	Page no 31 of 104 Clause no 7.2.4	Please consider AC/DC capacitor service life for 7-8 years for broader participation. 10 yrs service life restricts competition as it is vendor specific.	As per Tender
4	Page no 33 of 104 Clause no 7.3	Lithium Ion Chemistry requested Is LMO/NMC only. It restricts competition and increases cost. Please accept for LFP technology also which offers better safety, for broader participation of bidders	As per Tender
5	Page no 80 of 104 Clause no 2	Hope Batteries make Samsung/LG mentioned is for lithium ion. Only 2 brands restricts competition & increases cost. Hence request to add Vision make also and oblige	As per Tender (Refer order for Land Border sharing)
6	1.1 Legrand: iPDU specification shared by bidder - clarification required		I-PDU is not Tender requirment.
7	1.2 Legrand: ANNEXURE D - LIST OF RECOMMENDED MAKES		This should match tender technical requirments.
8	80MCCB/MCB/ACB Schneider/L&T/ABB/Siemens/Eaton	Request please include Legrand name in the approved make list & oblige	This should match tender technical requirments.
9	80CABLE TRAYSPROFAB/Indiana/OBO Bettermann	Request please include Legrand(Cablofil) name in the approved make list & oblige	This should match tender technical requirments.
10	82CAT 6 CableAMP, Molex, ,Schneider	Request please include Legrand name in the approved make list & oblige	This should match tender technical requirments.
11	83OFC CablesFinolex, Sterlite, HFCL	Request please include Legrand name in the approved make list & oblige	This should match tender technical requirments.
12	84Temperature, Air humidity Sensors (Duct, Room)zbil (Yamatake), ALC, Sauter,Siemens,Endress Hauser	Request please include Legrand name in the approved make list & oblige	This should match tender technical requirments.

2. NTIPL: Network Techlab (I) Pvt. Ltd.

Sr.	Section / Page and Clause Ref	Query from bidder	C-DAC Response
1	SECTION IV / Pg 23 / 2 Background	Secondary loop components of DCLC are not part of this tender. So as part of this tender, only Primary loop components to be considered till the Dry Cooler. Rest distrubution from the Dry Coolers are also not part of this tender	Refer P & ID drawing provided . Connection till CDU unit from Dry Cooler is part of scope of this tender.
2	SECTION IV / Pg 26 / 5 Design Input	The envisaged IT load for data center: 465 KW max.Total rack mentioned here is 15nos. Whereas we have to supply 3 Nos Rack for this tender. Kindly clarify.	Yes
3	SECTION IV / Pg 28 / 6 Requirements towards Civil/Interior work / 6.4.4. Bidder to consider to providing 2 nos. 2-point panel remover, lead, lift, steps for 600mm raised floor etc.	Steps to be considered for 300mm raised flooring as the pedestal height asked is for 300mm only.	Yes
4	SECTION IV / Pg 29 / 6 Requirements towards Civil/Interior work / 6.9.Plate heat Exchanger, Pumps, etc will be installed at terrace floor and thermal storage tank will be on ground..	During site visit we have seen multiple cracks on the terrace area.Since Dry cooler, PHE & ODU units would be placed on the terrace, grouting etc needs to be done. So any further waterproofing / PCC layering for the terrace area to be considered in the quote as additional items required in the RFP?	Work related at Terrace floor is not part of scope , Refer pag eno 57 clause no 1.7

5	SECTION IV / Pg 30 / 7 Requirements towards Electrical Work / 7.2.Modular UPS for IT as well as NON IT Load	Any power module redundancy to be considered in the UPS?UPS asked is for 500 kVA & 150 kVA with 25kW to 50kW power modules.	As per Tender only
6	SECTION IV / Pg 35 / 7 Requirements towards Electrical Work / 7.6 Earthing and Earthing Pits	What will be the location for new earth pit.	Next to Data Center
7	SECTION IV / Pg 36 / 7 Requirements towards Electrical Work / 7.8 Stainless steel (SS) cable tray to be considered above each row of the Rack along with required Cable tray Grid above the rack to be considered and provided.	Is the SS cable tray for networking cable? Then basket tray to be used. For Power sandwich type BBT is asked.	SS cable tray of basket type only . Yes BBT are sandwich type only,
8	SECTION IV / Pg 44 / 8 Requirements towards HVAC Work / 8.5.17 Thermal Containment should be provided for best in class. Containment of both front and back should be done. In row Cooling unit should supply cold air in front of rack and suck hot from rear end of it from hot aisle.	In the indicative layout only hot aisle containment is shown.Kindly clarify if both hot & cold aisle containment needs to be done.	Hot Aisel containtenemnt only. Refer DC layout Drawing
9	SECTION IV / Pg 50 / 8 Requirements towards HVAC Work / 8.25 Bidder to consider only three number of 45 U server racks (Storage Rack- 3 nos.) in scope of size 800 X 1400 mm and containment and doors (Back side door will be duel fold performated)	Since only 3 rack supply is asked so do we need to provide containment for only these 3 racks only? Rest racks would be supplied by customer? As all the racks needs to be in place along with In-Row cooling unit supply.	Yes Refer DC layout Drawing
10		Vertiv Energy Pvt Ltd. make for BMS and PDU	This should match tender technical requirments.

3. PRASA

Sl. No.	Section /Page and clause Ref	Query from Bidder	C-DACResponse
1		Please share Auto-Cad Drawings	Already shared by C-DAC
2	Section II, Page No. 8, Clause-3.4	Kindly amend the clause as minimum 4 nos. of qualified and certified CDCP/CDCS professions with minimum one years' post certification experience in Data Centre designing and implementation. All 4 employees should be employed with the bidder for a minimum of 4 months as on 30th Oct 2022.	Please refer Corrigendum
3	Section IV, Page No. 54, Clause-9.5	Please suggest Storage parameter- motion Based? Nos of FPS 5/10 FPS ?, Resolution- 720P/1MP? ,Days/ Months- 4 Months.	Motion based,10 FPS,720 P and 4 months
4	Section IV, Page No. 54, Clause-9.6	Laser base detection in specific to one OEM. There is LED base new better technology solution avaiable in industry and doing verious Government & Pvt sector DC installed based. Request for approval.	This should match tender technical requirments.
5	Section V, Page No. 82, Clause-ANNEXURE D	Request you to Please add Securiton ASD system in make list. Only Xtralis is matching tender specs, request to approve other approved brand.	This should match tender technical requirments.
6	Section V, Page No. 82, Clause-ANNEXURE D	Request you to please approved Hanwa (Samsung) Make in all CCTV accessories including NVR and Cameras.	This should match tender technical requirments.
7	Section V, Page No. 83, Clause-ANNEXURE D	Agent of NOVEC 1230/FK-5-1-12 is UL listed.	As per Tender
8	Section V, Page No. 83, Clause-ANNEXURE D	Request you to approve PESO approved Cylinder, in instead of UL listed Cylinders. As per India Local authority Cylinders should be PESO approved. As per approved make list in tender vendors having Vds approved system. Please Confirm.	As per Tender
9	Section V, Page No. 85, Clause-ANNEXURE D	Only Traceteck and Liebert in addressable WLD, reqquest you to approved third OEM in approved make list . Request approve ELSA make.	This should match tender technical requirments.

4. RAHI Systems

Sl. No.	Section /Page and clause Ref	Query from Bidder	C-DACResponse
1	General	is there any changes in EMD charges, mentioned 20,00,000/-	Kindly submit Annexure F
2	7.10/ Bus Duct Sandwich	Make of Sandwich Bus duct	As per technical specification
3	9/IBMS	can we propose Rockwell & Mitsubishi	This should match tender technical requirments.
4	General	Request to share the CAD drawing	Already shared by C-DAC
5	General	do we need to consider LT Panel and UPS	Refer SLD Drawing. LT panels and UPS are in the scope
6	Electrcial	Make of PDU Panel Inbuilt Isolation transformer	This should match tender technical requirments.
7	9.5 Supply and Implement Video Surveillance systems:54	Please suggest Storage parameter- motion Based? Nos of FPS 5/10 FPS ?, Resolution- 720P/1MP? ,Days/ Months- 4 Months.	Motion based,10 FPS,720 P and 4 months
8	9.6 Supply and implement Very Early Smoke detection system (VESDA54	Laser base detection in specific to one OEM. There is LED base new better technology solution available in industry and doing various Government & Pvt sector DC installed based. Request for approval	This should match tender technical requirments.
9	Aspiration Smoke Detection System	Request you to Please add Securiton ASD system in make list. Only Xtralis is matching tender specs, request to approve other approved brand.	This should match tender technical requirments.
10	IP CCTV Surveillance System	Request you to please approved Hanwa (Samsung) Make in all CCTV accessories including NVR and Cameras.	This should match tender technical requirments.
11	D -UL Listed Novec 1230 Clean Agent Fire Suppression System	Agent of NOVEC 1230/FK-5-1-12 is UL listed.	As per Tender
		Request you to approve PESO approved Cylinder, in instead of UL listed Cylinders. As per India Local authority Cylinders should be PESO approved.As per approved make list in tender vendors having Vds approved system. Please Confirm.	As per Tender
12	F Water Leak Detection System	Only Traceteck and Liebert in addressable WLD, request you to approved third OEM in approved make list . Request approve ELSA make.	This should match tender technical requirments.
		Quality/TDS of available raw water to get the water softener and chemical dosing system accordingly	Turbidity NTU less than 1,pH =7.21,Total Hardness as CaCo3 mg/l=308 to 340,Iron as mG/l=.01,Total Dissolved Solids as mg/L=878 to 910,Fluride mg/l=0.59,

5. Schneider

Sl. No.	Section /Page and clause Ref	Query from Bidder	C-DACResponse
1	Page No - 31/104Section VII/ Point 7.2.2Inclusion UL9540A	We request & Suggest to include UL9540A as well so that every bidder can offer Lithium Ion Battery which are Fire Propagation Proof. UL9540A Certifies that LIB Rack assure that even if Lithium Ion batteries Catches fire it will not propagate fire to adjacent modules & hence save the entire facility from Big Fire mishap.	As per Tender
2	Page No - 32/104Section VII/ Point 7.2.9Inclusion of UL RP 2986	UL RP 2986 - "Incident Arc Energy in front of product with top cover bolted and power module inserted or removed is <1.2 cal/cm²". We request to include UL RP 2986 to enable UPS to Swap the power module in Live condition safe & reliable as the UPS certified with this clause eliminate the possibility of arc flash while removing the power modules.	As per Tender
3	Page no -15/10419-Project Timeline	Considering the present uncertainties in the supply chain Globally, we request you to consider minimum 6 months for the completion of the contract.	Please refer Corrigendum
4	Page no -23/104CDU	Kindly clarify the pipe connection details for the CDU from the dry cooler piping. (Dia / Type of Flanges	Flange connection needs to be considered and as per pipe size.
5	Page no -23/104CDU	Kindly share the pressure drop details on the primary side of the CDU	Maxmium pressure drop will be 22 psi

6	Page no -26/104IT Load	There are 3 types of Racks. Kindly provide the bifurcation of heat dissipated between air and water.	Storage Rack 100 % Room Cooling , Server Rack CPU - 22 KW on DCLC and 13 KW on room cooling , Rack CPU + GPU = 11 KW on DCLC and 27 KW on Room Cooling
7	Page no -30/104PORTA CABIN	We presume, it's the responsibility of IUAC to ensure that PORTA CABIN is handed over to us in good condition after removal of existing LT panels.-- Kindly confirm.	Yes confirmed handover of PORTA CABIN in good condition.
8	General	We request you to share the AutoCAD drawings of RFP document.	Already shared by C-DAC
9	Page no -48/1048.13	We request you to accept Valves with PN10 rating.	Yes PN 10
10	Page 50 of 1048.25Rack height to be of 42U	To maintain uniformity between the In-Row & Rack and better air-flow dynamics, Please accept to change the clause as "Server Rack 42U having dimensions of 800 X 1200 mm".	Ok - pl. read as "Server Rack 45U having dimensions of 800 X 1400 mm".
11	Page 50 of 1048.25Containment & Doors	1. Please clarify on the Rack depth to be considered as both 1200mm & 1400mm is mentioned. 2. For Containment need the rack layout details. 3. Containment shall be Hot Aisle or Cold Aisle. 4. Kindly change the door type to Front door as Glass & Rear Door as Split door, in case of Containment required at both Front and Rear.	1 Rack Depth is 1400 mm . 2. Refer Data Center Layout drawing. 3. Hot Aisle 4. Both Front and Rear Door as split, sliding and glass.
12	Page no -20/10433Inclusion	Under the clause 33. Request to include Suspension clause. If the C-DAC/Buyer fails to comply with the provisions of this Contract, the Successful bidder/Seller may, after giving not less than 14 days' notice to the Buyer, suspend work or reduce the rate of work. If the Buyer subsequently cures the failure as specified in the notice, the Seller shall resume normal working as soon as is reasonably practicable. If the Seller suffers delay and/or incurs Cost as a result of suspending work (or reducing the rate of work) in accordance with this Sub -Clause, the Seller shall give notice to the Buyer and shall be entitled to an extension of time for any such delay, if completion is or will be delayed and payment of any such Cost, which shall be included in the Contract Price. If the suspension under this Sub-Clause continues for a continues period of 60 days then the Seller may, upon giving 14 days' notice to the Buyer, terminate the Contract. Upon such termination, Seller shall be entitled to payment of amounts for the works already carried out and all other incidental costs reasonably incurred including costs of material already ordered or under production, cost of demobilizing and liabilities due to vendors and sub-contractors of the Seller.	No Change in Tender
13	Page no -21/10434Updation required	Request to amend the clause as per below: The liability of the Bidder / Contractor arising out of breach of any terms/conditions of the tender / contract/work order and addendums/amendments thereto, misconduct, willful default will be limited to the total contract value. In no event shall either Party, its officers, directors, or employees be liable for any form of incidental, consequential, indirect, special or punitive damages of any kind	No Change in Tender

| | Inclusion | The deliverables provided by Seller under this Contract contain or may contain components and/or technologies from the United States of America ("US"), the European Union ("EU") and/or other nations. Buyer acknowledges and agrees that the supply, assignment and/or usage of the products, software, services, information, other deliverables and/or the embedded technologies (hereinafter referred to as "Deliverables") under this Contract shall fully comply with related applicable US, EU and other national and international export control laws and/or regulations. Unless applicable export license/s has been obtained from the relevant authority and the Seller has approved, the Deliverables shall not (i) be exported and/or re -exported to any destination and party (may include but not limited to an individual, group and/or legal entity) restricted by the applicable export control laws and/or regulations; or (ii) be used for those purposes and fields restricted by the applicable export control laws and/or regulations. Buyer also agrees that the Deliverables will not be used either directly or indirectly in any rocket systems or unmanned air vehicles; nor be used in any nuclear weapons delivery systems; and will not be used in any design, development, production or use for any weapons which may include but not limited to chemical, biological or nuclear weapons. If any necessary or advisable licenses, authorizations or approvals are not obtained, whether arising from inaction by any relevant government authority or otherwise, or if any such licenses, authorizations or approvals are denied or revoked, or if the applicable export control laws and/or regulations would prohibit Seller from fulfilling any order, or would in Seller's | No Change in Tender |
| | Inclusion | Purchaser's Obligations for Its Systems: Purchaser is solely responsible for the implementation and maintenance of a comprehensive security program ("Security Program") that contains reasonable and appropriate security measures and safeguards to protect its computer network, systems, machines, and data (collectively, "Systems"), including those Systems on which it runs the Products or which it uses with the Services, against Cyber Threats. "Cyber Threat" means any circumstance or event with the potential to adversely impact, compromise, damage, or disrupt Purchaser's Systems or that may result in any unauthorized access, acquisition, loss, misuse, destruction, disclosure, and/or modification of Purchaser's Systems, including any data, including through malware, hacking, or similar attacks.
Without limiting the foregoing, Purchaser shall at a minimum: (a) have qualified and experienced personnel with appropriate expertise in cybersecurity maintain Purchaser's Security Program, and have such personnel regularly monitor cyber intelligence feeds and security advisories applicable to Purchaser's Systems or Purchaser's industry; b) promptly update or patch its Systems or implement other appropriate measures based on any reported Cyber Threats and in compliance with any security notifications or bulletins, whether publicly disclosed on SE's security notification webpage at https://www.se.com/ww/en/work/support/cybersecurity/security-notifications.jsp or otherwise provided to Purchaser; (c) regularly monitor its Systems for possible Cyber Threats; (d) regularly conduct vulnerability scanning, penetration testing, intrusion scanning, and other cybersecurity testing on | No Change in Tender |

6. Rittal India Pvt. Ltd.

Sl. No.	Section /Page and clause Ref	Query from Bidder	C-DACResponse
1	8.2550Rack should be constructed with extruded aluminum frame	Kindly allow CRCA Welded Frame	This should match tender technical requirments.

Sr.	Section / Page and Clause Ref	Query from bidder	C-DAC Response
2	Annexure D List of RECOMMENDED MAKES80Power Distribution Unit (PDU Inside the Rack) - Vertiv/APC-Schneider - Raritan/Eaton/Numeric/enlogic/Dhananjay Group	Kindly allow Rittal Make Also	This should match tender technical requirments.
3	8.5.141Outdoor unit - speed controller & anti-corrosive coating.	The Anticorrosive coating is not required for Delhi Ambinet and our solution doesn't have anticorrosive coating.	As per Tender
4	8.5.2428.5.2 The frame of the units is constructed of 16-gauge formed steel for maximum strength. The cabinet is serviceable from the front and rear. All exterior panels and corner posts on the frame are powder coated for durability and an attractive finish. The front and rear exterior panels are constructed of 18 gauge perforated steel with 80% open free area. All panels, which include a key latch for safety and security, allow easy access and removal. The footprint of 300 mm is required. Units shall include casters and leveling feet to allow ease of installation in the row and provide a means to level the equipment with adjacent IT racks	Kindly allow to quote either 20KW with 300mm Footprint and 35KW DX Machine with 600mm footprint. All the gaurges mentioned is as per Oem design only. Cooling Machine will be provided with levelling feet/ Plinth only, caster wheels not possible	As per Tender
5	8.5.9438.5.9 The unit should be equipped with variable speed, electrically commutated (EC), to allow for varying heat load. Variable Speed Fans shall be variable speed capable of modulating from minimum 20% to 100%. Each fan assembly shall consist of integral fan finger guards. Minimum 8 FAN assemblies per unit are required. Fans needs to be easily replaceable while the unit is in operation.	Kindly change to Minimum 3 FAN assemblies per unit are required. Fans needs to be easily replaceable while the unit is in operation. Fan to be hot swappable	As per Tender

7. Sify Technologies Ltd.

Sr.	Section / Page and Clause Ref	Query from bidder	C-DAC Response
1	**Section-I/P-8/3.3.**The bidder must have successfully executed at end client sites at least 1 numbers of data centres in India in last Three years. Each of the data centres should be with minimum of UPS feeding power of 500 KVA (excluding redundancy) and minimum feeding cooling load of 150 Tons(excluding redundancy) (UPS and cooling to be considered only for server area) along with Fire- fighting and suppression systems with high end integration of building management system and all the allied works required for successful installation & completion of the Data Centre.	Please revise the clause to allow us to participate in this bid The bidder must have successfully executed at end client sites at least 1 numbers of data centres in India in last Three years. Each of the data centres should be with minimum of **UPS feeding power of 400 KVA** (excluding redundancy) and minimum feeding cooling load of 150 Tons(excluding redundancy) (UPS and cooling to be considered only for server area) along with Fire- fighting and suppression systems with high end integration of building management system and all the allied works required for successful installation & completion of the Data Centre.	As per Tender

2	**Section-I/P-8/3.4.** Bidder Should have minimum total 2 nos. of qualified and certified CDCP professions + minimum 1 nos. CDAP+CDCS professional with minimum one years post certification experience in Data Centre designing and implementation. All 4 employees should be employed with the bidder for a minimum of 4 months as on 30th Oct 2022	We are requesting to revise the clasue to maximise the participations" Bidder Should have minimum total 2 nos. of qualified and certified CDCP professions + **minimum 2 nos. PMP professional** with minimum one years post certification experience in Data Centre designing and implementation. All 4 employees should be employed with the bidder for a minimum of 4 months as on 30th Oct 2022.	Please refer corrigendum
3	**Section-I/P-4/g.** Manufacturer authorization certificate as per Annexure-C for DG set, UPS and batteries, LT panels and associated component, Dry Cooler, In Row, PHE, BMS Software, Pumps, etc., issued by respective OEMs	Please clarify for which all equipment require MAF. Please define LT panels & **assosiated component** and **etc.**	MAF from IEC -61439 vendor
4	**Section-IV/P-25/3.8.2** Refer Electrical SLD for details.	Please share the **SLD**.	Already shared by C-DAC
5	**Section-IV/P-27/6.1** METAL GRID CEILING	What would be the false **ceiling height** from true ceiling	As per Tender Drawing , given in section
6	**Section-IV/P-27/6.3** The system shall be able to withstand a minimum UDL of 2500 kg per sq meter and a point load of minimum 600 kg. and rolling load of minimum of 300 Kg.	Considering higher UDL (2500kg/m2). please confirm on the **floor load bearing capacity**.	Data Center is at ground floor .
7	**Section-IV/P-30/7.1** Existing transformer of 1000 KVA ONAN 11KV/433 V will be used along with existing power cabling of transformer as well as DG set cables.	Please share the **Existing load and available capacity on transformer**	Transformer is dedicated to this Data Center only.
8	**Section-IV/P-37/8.1** Existing cooling equipment's available at site like chiller and piping and need to be used for tapping to the thermal storage tank.	Please share the Chiller **Make , Model , Installation details**, also confirm on **space availability** to install the storage tanks and **load bearing capacity** if tank would be installed at terrace or any floor.	The Water Chilling Units Make : Trane and Carrier (1 Running / 1Standby) Model : RTHD and 23XL Capacity : 250 TR each Chilled Water Pipe Header Line : 150 mm NB dia. Thermal storge tank to be installed at ground near to potta cabin
9	**Section-IV/P-56/1.1** Supply, Installation, Testing and Commissioning of Raised Flooring System as per specification and drawings give in this document. Bidder to refer the layout for calculating the quantity.	Please share the **drawings and layout** which are not attached in RFP	Already shared by C-DAC
10	**Section-IV/P-54/9.5** Supply and Implement Video Surveillance systems: The NVR based system shall include Data storage of 4 months	Please suggest Storage parameter- motion Based? Nos of FPS 5/10 FPS ?, Resolution- 720P/1MP? ,Days/ Months- 4 Months.	Motion based,10 FPS,720 P and 4 months
11	**Section-IV/P-54/9.6** Supply and implement Very Early Smoke detection system (VESDA: a Laser Focus air sampling smoke detection system	Laser base detection in specific to one OEM. There is LED base new better technology solution avaiable in industry and doing verious Government & Pvt sector DC installed based. Request for approval.	This should match tender technical requirments.
12	Aspiration Smoke Detection System: Xtralis, ICAN, Tyco,Siemens	Request you to Please add Securiton ASD system in make list. Only Xtralis is matching tender specs, request to approve other approved brand.	This should match tender technical requirments.
13	IP CCTV Surveillance System: BOSCH, Honeywell, Siemens ,Samsung	Request you to please approved Hanwa (Samsung) Make in all CCTV accessories including NVR and Cameras.	This should match tender technical requirments.

14	D -UL Listed Novec 1230 Clean Agent Fire Suppression System: UL Listed & PESO Approved Seamless Cylinders	Agent of NOVEC 1230/FK-5-1-12 is UL listed. Request you to approve PESO approved Cylinder, in instead of UL listed Cylinders. As per India Local authority Cylinders should be PESO approved. As per approved make list in tender vendors having Vds approved system. Please Confirm	As per Tender
15	F Water Leak Detection System: Tracetek, Liebert, Sontay	Only Traceteck and Liebert in addressable WLD, reqquest you to approved third OEM in approved make list . Request approve ELSA make.	As per Tender
16	Sectio-IV/Page no 30 of 104 Clause no 7.2.2	Noise level up to 80 db- For broader participation	This should match tender technical requirments.
17	Sectio-IV/Page no 32 of 104 Clause no 7.2.9	UL Certification is pertaining to USA/Canada & is certain brand specific. Kindly amend to UL/IEC certification for UPS	As per Tender
18	Sectio-IV/Page no 31 of 104 Clause no 7.2.4	Please consider AC/DC capacitor service life for 7-8 years for broader participation. 10 yrs service life restricts competition as it is vendor specific	As per Tender
19	Sectio-IV/Page no 33 of 104 Clause no 7.3	Lithium Ion Chemistry requested Is LMO/NMC only. It restricts competition and increases cost. Please accept for LFP technology also which offers better safety, for broader participation of bidders	As per Tender
20	Sectio-IV/Page no 80 of 104 Clause no 2	Hope Batteries make Samsung/LG mentioned is for lithium ion. Only 2 brands restricts competition & increases cost. Hence request to add Vision make also and oblige	As per Tender

7 Kyndryl

Sr No	Section / Page and Clause Ref	Query from bidder	C-DAC Response
1	Page 8 -- 3.4 Bidder Should have minimum total 2 nos. of qualified and certified CDCP professions + minimum 1 nos. CDAP+CDCS professional with minimum one years' post certification experience in Data Centre designing and implementation.	Request you to include minimum 2 nos. certified ATD along with other profressional	As per Tender
2	Page 15 -- 19 All the items covered in the Schedule of Requirements (Section – IV) must be supplied, installed and commissioned within 5 months (Twenty weeks) from the date of award of Contract / placement of order.	Due to sortage of chips and raw material in market delivery time lines of highend equipments are more than 16-20 weeks. Request to extend project timeline to 7-8 months.	Please refer Corrigendum
3	Page 15 -- 24 Any consumables required shall be paid by IUAC.	Please confirm consumable details that will paid by IUAC during warranty & AMC	NOVEC GAS, Chemicals for chemical dozing unit
4	page 26 - section 5.1	Load is 465 KW whereas the UPS considered is 500 KVA. Hope the UPS is considered with 100% loading	Yes Kw= KVA
5	Page 30 -- 7.1 Existing transformer of 1000 KVA ONAN 11KV/433 V will be used along withexisting power cabling of transformer as well as DG set cables	Can you give the existing SLD and load details of the transformer and DG sets	On This transformer and DG set exisitng is NO load .
6	Page - 30, clause 7.2.2, Noise level of UPS is asked <70dB	Considering the higehr KVA, it is requested to amend the noise level for 500kVA UPS from <70dB to <80dB	As per Tender

7	Page - 31, clause 7.2.4, AC/DC capacitor having service life of Min 10 years. No replacement for 10 years.	As per the manufaturers standard the life fof the AC DC capapcitor is about 5 to 7 Years	As per Tender
8	Page - 32, clause 7.2.9, Standards for UPS: UL 1778 for UPS, IEC 60950, CE, VDE,	Requested you to kindly change the required certification from existing to applicable IEC standardt and revelant CE certification	As per Tender
9	Page 35 - 7.7 LT Panels (Low Tension/voltage Panels): Design, Supply, installation, testing and commissioning of all LT panels. Panels will be as per IEC 61439.	Can you specify if the type testing is required only for Main LT panels or even for smaller distribution panels	Only Main LT Panel
10	Page 37 - Chiller -1 and 2 (Evaporator leaving temperature of 8 Deg C and evaporator entering temperature of 14 Deg C)	Can you share the existing details of scheme and the pumping system. Where is the power supply for the existing system connected	This is not part of scope of supply . Only tapping connection from exisitng chiller line . Rest will be taken care
11	Page 37 - Clause 8.2 - The room air temperature should be maintained at 22 +/- 2 Deg. C and humidity as per ASHRAE TC 9.9 2017 guidelines.	Can you please confirm if this is the rack inlet temperature. If this is the room temperature, what shall be the supply temperature?	Room Air Temperater will be the inlet temperature to the rack.
12	DC Layout -R1	Can you share the ACAD drawing ?	Already shared by C-DAC
13	DC Layout -R1	Rack height of 2100 is considered, whereas 45U rack is planned. Please clarify	As rack height is 45 U
14	DC Layout -R1	Above rack 533mm is only available - The placement of busduct, basket tray needs to be planned within this height ?	Yes
15	DC Layout -R1	Location details for condensor for Inrow, Dry cooler, pumps etc shall be given.	As given in Terrace level Drawing.
16	DC Layout -R1	Placement of 25 KL thermal storage tank - location shall be given	IT is near to the porta cabin
17	DC Layout -R1	Location of UPS, PDU etc shall be given	These are in exisiting porta cabin
18	Electrical SLD	Cables from transformer and DG are mentioned as existing? Hence assume that these shall be provided by client.	Yes
19	Electrical SLD	Details of the panels are not visible - can you share the ACAD copy	Already shared by C-DAC
20	Electrical SLD	The electrical panel - DC LT panel - UPS input breaker capacity is 800 Amps MCCB. Hope this is as per design considering UPS losses and battery charging power	Yes
21	Electrical SLD	Can you please share the load sheet considered for this SLD to verify the redundancy levels.	As per Tender
22	Electrical SLD	In the SLD IT ,BMS,HVAC Loads are considered ,The other utility area loads Including Lighting ,Power are not shown , Please clarify	Bidder need to work out the same.
23	DC Layout -R1	Overall site plan layout with including the equipment like DG,Transformer to be provided ,the input Pdfs have difference in the existing UPS Room dimension between drawings "DC Layout- R1" "Potta Cabin Layout for Panel , UPS and Batteries"	Given it porta cabin layout drawing

24	Page 57. 2. Electrical system Supply, Installation, Testing and Commissioning of internal illumination system and external illumination. Internal Lux level to be 400-500 lux.	1.The Internal lux level asked is for 400-500Lux.Please confirm if these are for DC Room only ,The number of rooms to be considered for lighting and small power to be clarified ,Also needs clarity on If dismantling work to be carried out. 2.The Clause asked for the external illumination,Need to check the specific area where the external lighting is required	Yes Internal Lux level for DC area will be as per NBC , Dismentaling work is not part of this tender scope. External lighting will be only near porta cabin and Dry cooler area.
25	Page 33 7.2 Modular UPS for IT as well as NON IT Load:- Section 7.3.2 & Page 58. 2.10 Electrical system Supply,	As per page 33 Battery backup mentioned as 10Mins common for both IT and NON IT UPS where as table in page 58&56 asked for 20 Mins backup for Non IT UPS ,Please confirm	Battery back up for IT load is 10 minutes and for NON IT load is 20 minutes.
26	Page 23. - 2.Background	50% of Heat is getting rejected by DCLC. The rack heat load need to be considered for 465kw or for 50% of that.	Storage Rack 100 % Room Cooling , Server Rack CPU - 22 KW on DCLC and 13 KW on room cooling , Rack CPU + GPU = 11 KW on DCLC and 27 KW on Room Cooling
27	P & ID -R1	whether, Chilled water tapping are available on existing chiller system. Or Need to create tapping? Share complete existing HVAC schematic for clarity.	Create new tapping
28	P & ID -R1 and Page 37 section 8.1	Chiller inlet outlet temperature mentioned are conflicting. In P& ID it is mentioned as 7 deg C and 12 degc and in section 8.1 it is given as 8 deg c and 14 deg c. Need clarity	7 Deg C +/-1 and 12 Deg C +/- 1 Deg C.
29	Page no. 54 - 9.5 Supply and Implement Video Surveillance systems: The NVR based system shall include Data storage of 4 months	Please suggest Storage parameter- motion Based? Nos of FPS - 5/10 FPS ?, Resolution- 720P/1MP? ,Days/ Months- 4 Months.	Motion based,10 FPS,720 P and 4 months
30	Page no. 54 - 9.6 Supply and implement Very Early Smoke detection system (VESDA) :- a Laser Focus air sampling smoke	Laser base detection in specific to one OEM. There is LED base new better technology solution avaiable in industry and doing various Government & Pvt sector DC installed based. Request for approval.	This should match tender technical requirments.
31	Page no. 82 -ANNEXURE D - LIST OF RECOMMENDED MAKES :- Aspiration Smoke Detection System	Request you to Please add Securiton ASD system in make list. Only Xtralis is matching tender specs, request to approve other approved brand.	This should match tender technical requirments.
32	Page no. 82 -ANNEXURE D - LIST OF RECOMMENDED MAKES :- IP CCTV Surveillance System	Request you to please approved Hanwa (Samsung) Make in all CCTV accessories including NVR and Cameras.	This should match tender technical requirments.
33	Page no. 83 -ANNEXURE D - LIST OF RECOMMENDED MAKES :- D -UL Listed Novec 1230 Clean Agent Fire Suppression System	Request you to approve PESO approved Cylinder, in instead of UL listed Cylinders. As per India Local authority Cylinders should be PESO approved.	As per Tender
34	Page no. 83 -ANNEXURE D - LIST OF RECOMMENDED MAKES :- D -UL Listed Novec 1230 Clean Agent Fire Suppression System	As per approved make list in tender vendors having Vds approved system. Please Confirm.	As per Tender
35	Page no. 85 -ANNEXURE D - LIST OF RECOMMENDED MAKES :- F Water Leak Detection System	Only Traceteck and Liebert in addressable WLD, reqquest you to approved third OEM (Siemens) in approved make list . Request approve ELSA make.	This should match tender technical requirments.
36	General	Need plot layout along with location of TES tank.	As per Tender

37	General	Is there any requirement to follow tier standards of uptime or TIA 942. If so we may have to consider additional redundant units. So Please clarify	As per Tender
38	General	Please allow us to to site visit along with partners for better site understanding	As per Tender
39	General	Please inlcude M/s Vertiv make for racks	As per Tender
40	General	Please confirm rack PDU's shall be dumb or metered PDU	No metered PDUs.

8 INSYNC TECHNOLOGIES

1		IS CDAC asking for Hot swappable Power modules & Static switch ??	As per Tender. Refer page no 30 clause 7.2.2 "shall contain Static Bypass and maintenance Bypass isolator"
2		We want to offer power module of 60kw of rating at 40 Degrees continuous operation please accept the same .	Plese refer Corrigendum
3		can we offer 480kw instead of 500kw with continuous operation at 40 degrees and guaranteed Efficiency >96% for 25% to 100% load	As per Tender
4		Point# 7.2.2 ask for Phase Squence detection and Point# 7.2.12 ask for Phase Sequence correction – what need to be considered ?	Phase sequence detection is required