

# CtrlS™

Asia's Largest  
Rated 4 Datacenter



Confederation of Indian Industry

## Excellence in Energy Management 2021

*CTRLS Datacenters Limited, Electronic City, Bengaluru.*

Presenting by -

Girish Panduranga – DC Sr. Manager,

SV Siva Rama Krishna – DC Team Lead



USA | Singapore | India | Middle East | APAC

[www.ctrls.in](http://www.ctrls.in)

# Our Corporate Factsheet

**Asia's Largest  
Rated-4 Datacenter  
and Managed  
Services Provider**

## Healthy Financials

**EBITDA** **2X**  
The Industry Standard

**50%** **YoY  
Growth**

**D/E  
Ratio** **1.19**

**1.35** **Debt/EBITDA  
Ratio**

**1 Million Square Feet  
of DC Footprint in  
India**

**Serving 60 of the  
Fortune 500  
Globally and 108  
of ET 500 Indian  
companies**

**Powering  
3,500+  
Enterprises**

Most Awarded  
Datacenter in India

200 Innovations in  
technologies since  
2008

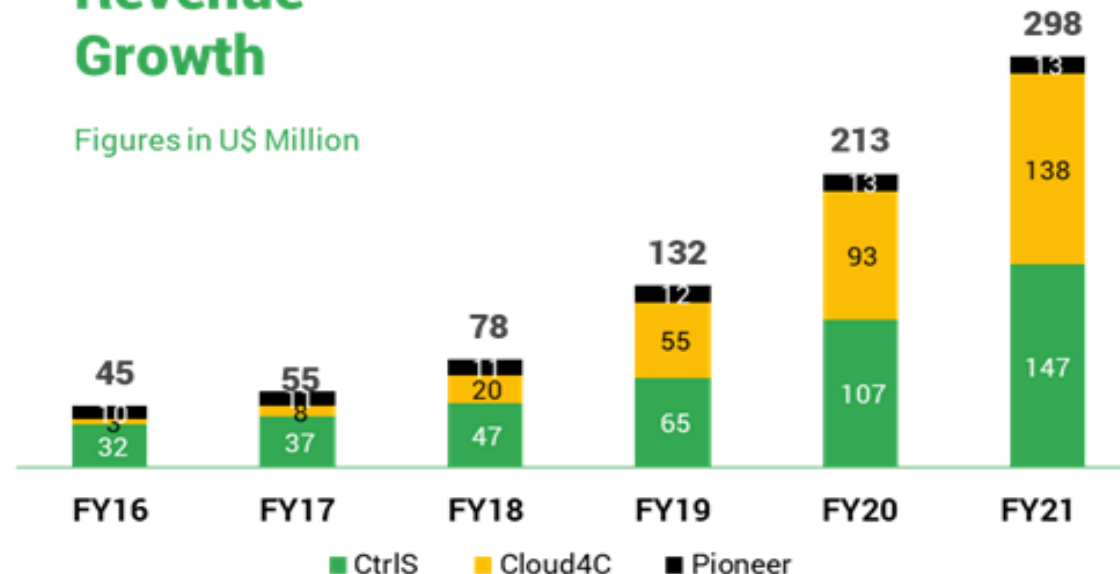
## Global Footprint (Cloud4C)

25 Countries, 50 Locations

**2,000**  
People Strong Group

## Revenue Growth

Figures in US\$ Million



Company	FY16	FY17	FY18	FY19	FY20	FY21
CtrlS	32	37	47	65	107	147
Cloud4C	3	8	20	55	93	138
Pioneer	10	11	11	12	13	13
<b>Total</b>	<b>45</b>	<b>55</b>	<b>78</b>	<b>132</b>	<b>213</b>	<b>298</b>

Company	2018	2019	2020	2021
CtrlS	47	65	107	147
Cloud4C	20	55	93	138

# Our Data Center Facilities



Mumbai DC-1

Rack Space	3,500
Power	20 MW
Available Power	0 MW
Security Zones	8 Zone

Rated 4 Data Center  
Platinum Certified LEED  
v4 O+M



Mumbai DC-2

Rack Space	2,000
Power	24 MW
Available Power	4 MW
Security Zones	8 Zone

India's 1st Solar Panels  
covered Data Center



Hyderabad DC-1

Rack Space	1,400
Power	10 MW
Available Power	1 MW
Security Zones	6 Zone

Rated 4 Data Center  
Platinum Certified  
LEED v4 O+M



Hyderabad DC-2

Rack Space	650
Power	10 +10 MW
Available Power	2 MW
Security Zones	9 Zone

Rated 4 Data Center  
Gold Certified  
LEED v4.1 O+M



Noida DC

Rack Space	2,000
Power	12 +12 MW
Available Power	8 MW
Security Zones	9 Zone

Rated 4 Data Center  
Platinum Certified  
LEED v4 O+M



Bangalore DC

Rack Space	1,850
Power	12 MW
Available Power	8 MW
Security Zones	9 zone

South India's 1st Rated 4  
Data Center

# Bengaluru | Electronic City



## Data Center Features

- Rated 4 Data Center
- GPS Coordinates: Latitude 12.842655, Longitude 77.671202
- N+N Uninterruptible UPS, Utility Power Substation & Diesel Generator Redundancy For Continuous Support
- N+1 Cooling System Redundancy For Better Temperature Management
- 2 X 47 KL thermal storage tanks for cooling back up for 10 min.
- Industry Best Uptime SLA (99.995%)
- IBMS, CCTV, FAS, WLD, Rodent, PA, VESDA Systems.
- Carrier Neutral Networking Allowing Interconnection Between Multiple Telecommunication Carriers
- 9 layers of physical security till rack level

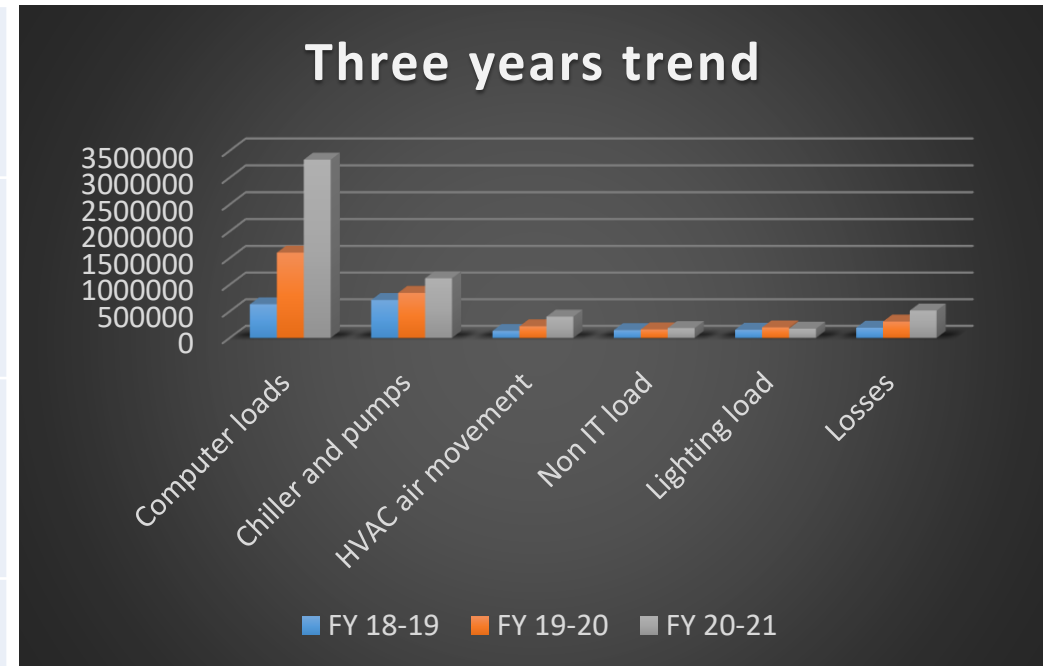
# Datacenter Facility footprint



Sr No.	Details	Quantity	Unit
1	Build up Area, G+7 floors	137508	Sq Ft
2	Designed Racks Capacity	1850	Nos
3	Present built Capacity	591	No's
4	Transformers (N + N)	2 X 3150	KVA
5	Maximum Demand	1	MW
6	Chillers Capacity (N + 1)	2 X 650	TR
7	UPS(N+N)	2 X 1000	KVA
8	Power consumption in a year	5.73	Million KWH
9	Power Cost in a year	48.21	Rs. In Million

# Energy Data

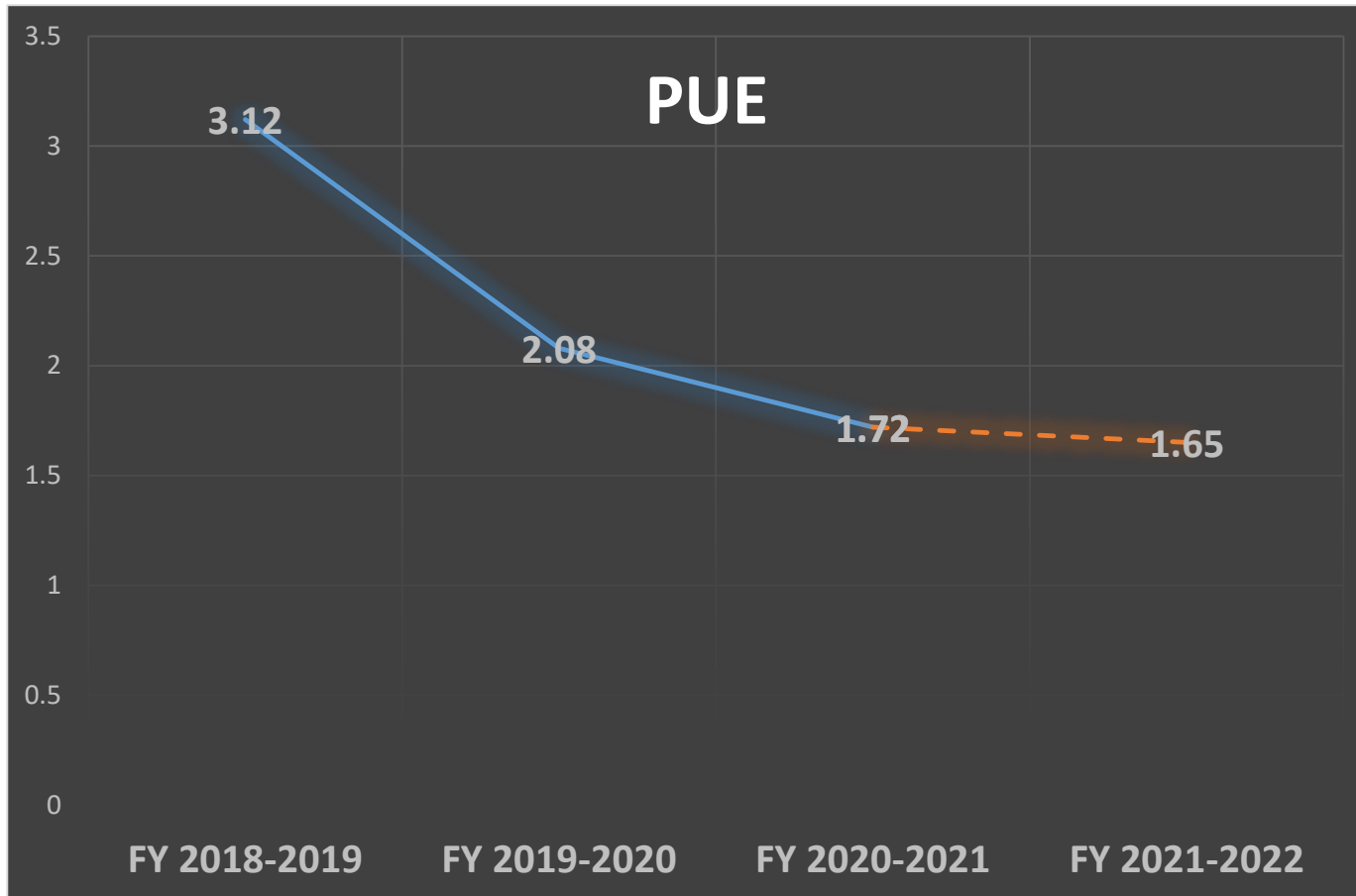
Parameters	Units	2018 - 2019	2019 - 2020	2020 - 2021
Annual Electrical Energy Consumption, purchased from utilities :	kWh	1992280	3306724	5704570
Annual Electricity Generation (in-site), through Diesel Generating (DG)/Gas Generating (GG) Set(s)	kWh	16306	42260	29084
Total Annual Electricity Consumption, Utilities + DG/GG Sets	kWh	2008586	3348984	5733654
Annual Cost of Electricity Consumed from utilities :	million INR	21.81	28.17	47.42
Annual Cost of Electricity generated through DG/GG Sets	million INR	0.422	0.73	0.79
Total Annual Electricity Cost, Utilities + DG/GG Sets	million INR	22.23	28.9	48.21



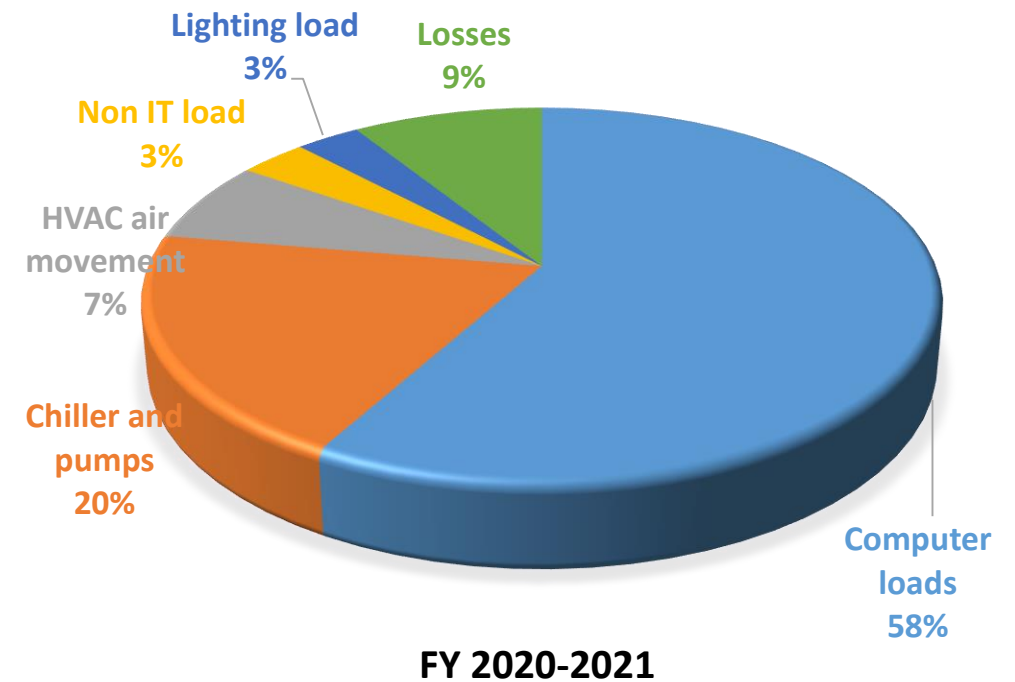
Loads	FY 18-19	FY 19-20	FY 20-21
<b>Computer loads</b>	633408	1602284	3334075
<b>Chiller and pumps</b>	713827	847423	1121182
<b>HVAC air movement</b>	133407	220523	401096
<b>Non IT load</b>	147533	161295	186836
<b>Lighting load</b>	154852	198996	175281
<b>Losses</b>	194203	309087	515789

# Facility consumption trend – Continuous PUE improvement 55.12%

Power usage effectiveness (PUE) is a metric used to determine the energy efficiency of a [data center](#)



- **TARGET FOR FY 2021-2022**  
**PUE 1.65**



# Information on Competitors, National & Global benchmark

*As per the standard global bench marking Data centres has to maintain a PUE as per below table*

Global Benchmark			
Description	Standard	Good	Better
PUE	2	1.5	1.2
Temperature as per ASHRAE guideline	19- 27 deg C		
Humidity as per ASHRAE Guideline	40%-80%		

Sr No.	National / Global	Name of Competitor	PUE	Remarks
1	National	CtrlS Datacenter Hyderabad	1.358	Actual
2		CtrlS Data Center Bengaluru	1.72	Actual
3	Global	Google Data Center US	1.11	Source: Internet



# An overall Investment of Rs. 1.23 Crore has been made towards Energy optimization and the savings achieved in Energy is 1297834 KWH and in INR 1.08 Crore. ROI in 1 year 2 months

Sr.No	Investment description	Invested Value in INR	Savings in KWH	Saving in INR
1	30KW Solar plant	Rs. 2518921	124356	1035885
2	Unity Power Factor UPSs	Rs. 6800000	231053	1924671
3	Variable frequency drives for pumps	Rs. 800000	487110	4057626
4	Motion sensors with LED light	Rs. 153502	9050	75386.5
5	On-line Chemical dosing for water treatment	Rs. 884144	279795	2330692
6	Sensor based taps installation for all wash basins	Rs. 90000	10950	91213.5
7	Cold aisle containment	Rs. 990000	148920	1240504
8	Dampers installation for air flow grills to control the volume as per rack density	Rs. 50000	2400	19992
9	Blanking panels installation in the rack empty U space	Rs .50000	4200	34986
	<b>Total Investment</b>	<b>Rs. 1.23 Crore</b>	<b>1297834</b>	<b>Rs 1.08 Crore</b>



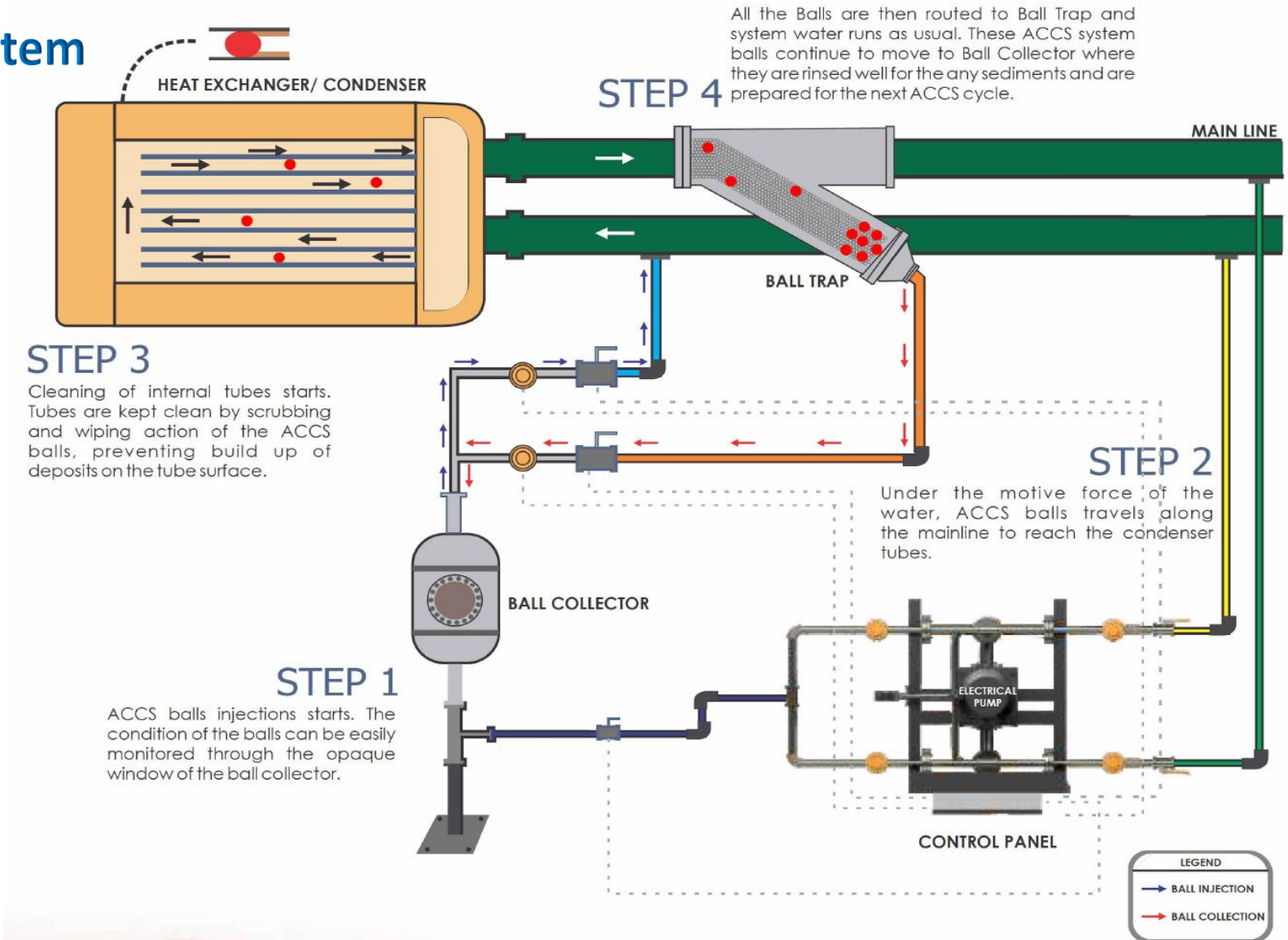
# List of Major Encon projects planned in FY 21-22

Sr.No	Investment description	Investing Value in INR	Savings in KWH	Monetary savings in INR
1	Chiller Condenser tube cleaning	Rs. 90000	43800	364854
2	Additional 34KW solar plant	Rs. 2300000	29680	247234
3	Cold aisle containment for co-location shared Data Center hall	Rs. 1000000	148920	1240503
5	Automation of HT panels to minimize the manual intervention.	Rs. 150000	16000	133280
6	By opting Renewable Energy through Open access	Rs. 3300000	NIL	2797620

# List of Major Encon projects planned in FY 21-22

## Automatic Condenser cleaning system

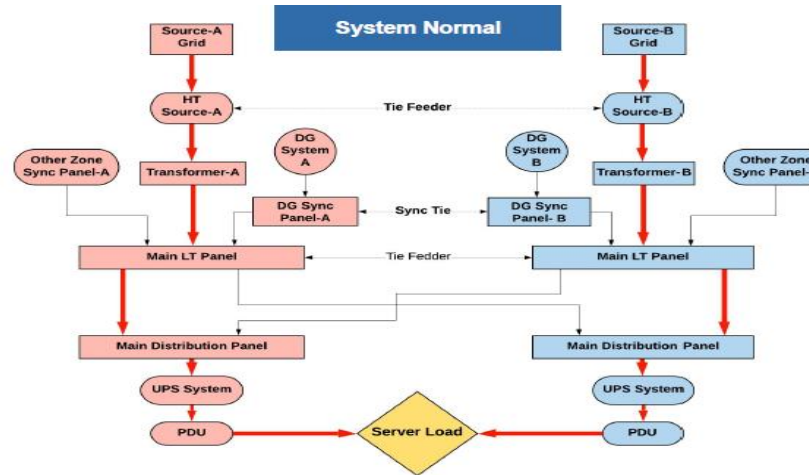
- Energy savings up to 15% to 20% considering fouling thickness of 0.5 mm to 1 mm.
- Maintenance cost savings approximately 1 lack per year.
- Condenser life shall increase and efficiency of the chiller too.



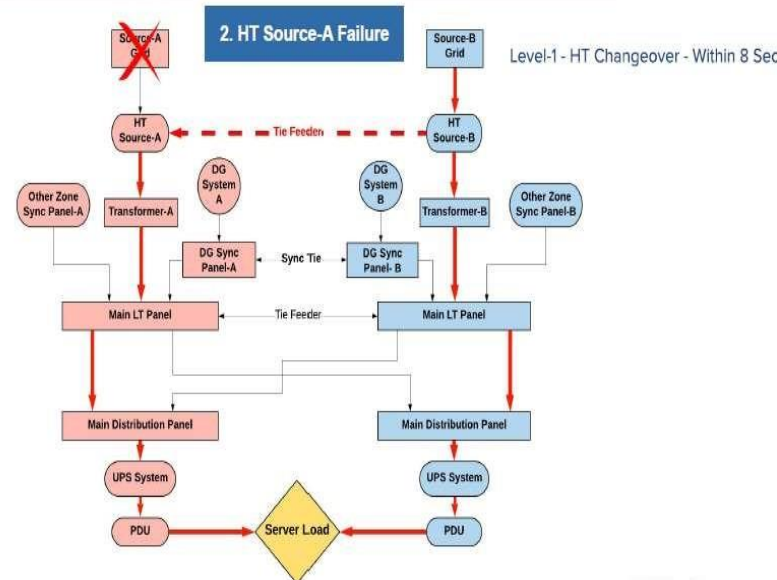
# List of Major Encon projects planned in FY 21-22

## HT Dual source automation

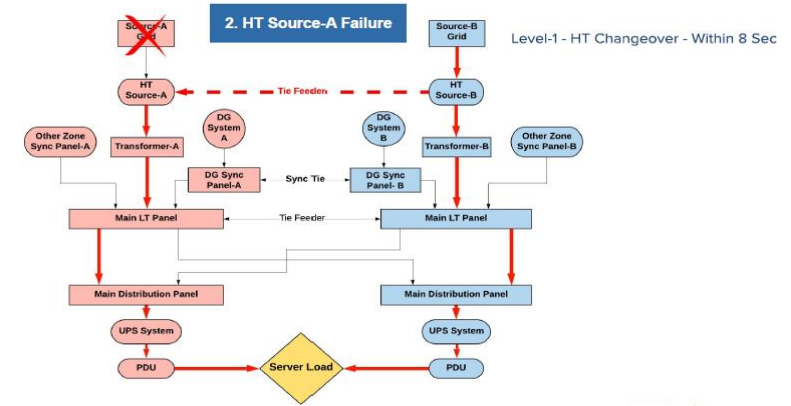
- We have done this project in our Hyderabad facility.
- Fuel cost savings and reeducation of 2.6 ton carbon footprint
- Savings of INR 1.3 lacks and



Electrical System - Fault Tolerance



Electrical System - Fault Tolerance



Electrical System - Fault Tolerance

# List of Major Encon projects implemented in FY 18-19

Sr.No	Investment description	Invested Value in INR	Savings in KWH	% savings
1	Blanking panels installation in the rack empty U space	Rs. 50000	3600	2.70%
2	Dampers installation for air flow grills to control the volume as per rack density	Rs. 50000	2400	1.80%
3	Light sensors installation	Rs. 40000	2000	0.28%
5	VFD for all chiller water pumps	Rs. 800000	2240	0.31%
6	Solar Photovoltaic	Rs. 2000000	35339	4.95%

## Implemented Projects details in FY 18-19

### Blanking panels:

1. Avoid air short cycling
2. Saving of 2.7% on energy consumption.
3. Avoid Hot spots in Data centers.



### VFDs for the Pumps:

1. Depending upon the flow rate pumps speed adjust automatically to optimize energy consumption.
2. Saving of 0.31%



### Motion Sensors with LEDs:

1. LED lights with motion sensors are installed in data center halls as a energy conservation.
2. Saving of 0.28%



### Solar panels on roof top:

1. Solar panels of 30KW generation connected to common LT in conjunction to main supply as green initiative.
2. Saving of 4.95%

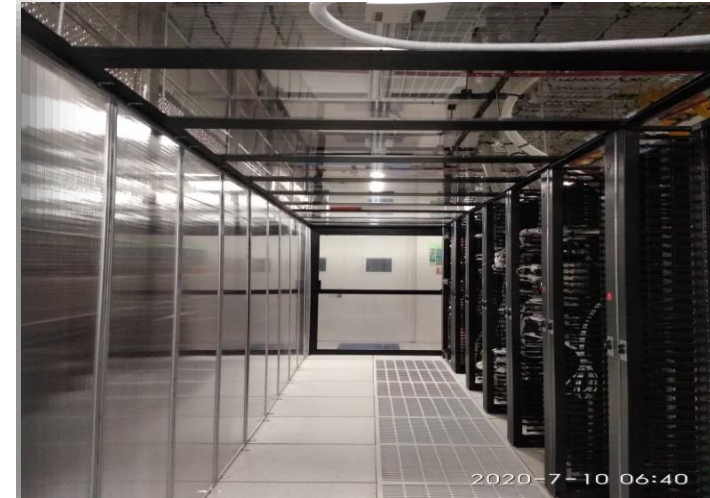
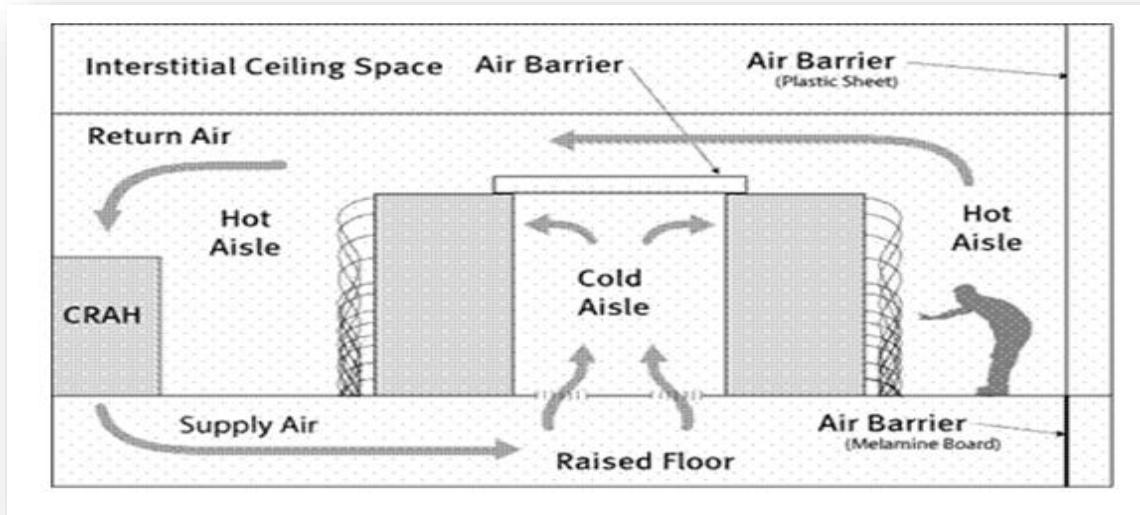


# List of Major Encon projects implemented in FY 19-20

Sr.no	Investment description	Invested Value in INR	Savings in KWH	% savings
1	Cold aisle containment for co-location shared DC	Rs. 300000	120500	10.97%
2	Cold aisle containment for co-location dedicated DC halls	Rs. 300000	131400	12.30%
3	Sensor based taps installation for all wash basins	Rs. 90000	10950	5.50%
4	De-humidification optimization of PAHU	Rs. NIL	13140	5.96%

## Cold Aisle Containments:

- 1. Optimized cooling in the data center halls.
- 2. Saving of 12.30% on energy consumption.
- 3. Overall 7% savings on cooling consumption



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## Sensor based water taps:

- 1. Manual based taps are replaced with Sensor based taps for wash basins.
- 2. Optimized the use of water and energy consumption
- 3. Saving of 5.50% on energy consumption.



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# List of Major Encon projects implemented in FY 20-21

Sr.No	Investment description	Invested Value in INR	Savings in KWH	% savings
1	Cold aisle containment for co-location dedicated Server halls	Rs. 590000	148920	9.78%
2	Blanking panels installation in the rack empty U space	Rs. 13000	4200	1.05%

## Measures taken by the plant/unit to address the challenges during Covid-19

Due to Covid-19 pandemic Encon projects were limited.

# Utilization of waste material

## Types of waste material:

- DG engine oil
- Transformer oil

Name of Fuel	Qty of waste oil disposed liters/year
DG Engine Oil	1440
Transformer oil	610

**FORM - 10**  
[See Rule 19(1)]  
**MANIFEST FOR HAZARDOUS AND OTHER WASTE 2212**

1. Sender's name and mailing address (Including Phone No & email)	NSDL E-Governance Infrastructure Ltd, NR 47/A, Electronic City Phase-1 Bangalore-56000
2. Sender's authorization No.	745571532
3. Manifest Documents No.	2212/1105
4. Transporter's name and address: (Including Phone No. & email)	Ganapathy Refineries Pvt. Ltd., No. 9 & 10, Anbedkar Industrial Estate, Jigani Industrial Area, 1st Phase, Jigani, Bengaluru - 560 105. Email : ganapathyrefineries5517@gmail.com
5. Type of Vehicle	(Truck/Tanker/Special Vehicle)
6. Transporter's registration No.	KA01AC 6570
7. Vehicle registration No.	KA01AC 6570
8. Receiver's Name and mailing address (Including Phone No & email)	Ganapathy Refineries Pvt. Ltd., No. 9 & 10, Anbedkar Industrial Estate, Jigani Industrial Area, 1st Phase, Jigani, Bengaluru - 560 105. Email : ganapathyrefineries5517@gmail.com, Ph: 986-2224225, Mob: 9740845473
9. Receiver's authorization No.	314838
10. Waste Description :	Used oil
11. Total Quantity of Waste	1440 Litres m3 or MT
No. of Containers	Nos.
12. Physical form	Solid/Semi-solid/sludge/Oily/Tarry/Slurry
13. Special handling instructions and additional information:	Use PPEs Avoid Spillage
14. Sender's Certificate: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked, and labeled, and are in all respects in proper condition for transport by road according to applicable national government regulations.	
Name and Stamp	Signature Month Day Year 04 09 2021
15. Transporter's acknowledgment of receipt of wastes	
Name and Stamp	Signature Month Day Year 04 09 2021
16. Receiver's certification of receipt of hazardous & other waste	
Name and Stamp	Signature Month Day Year 04 09 2021
Copy 1. White Colour : To be forwarded by the Sender to the State Pollution Control Board or Committee	Copy 2. Yellow Colour : To be retained by the Sender after taking Signature on it from the transporter and rest of the four copies to be carried by transporter
Copy 3. Pink Colour : To be retained by the Receiver of the facility after signature	Copy 4. Orange Colour : To be retained to the transporter by the Receiver of facility / recycler after accepting waste.
Copy 5. Green Colour : To be Forwarded by the Receiver of the facility to State Pollution Control Board or Committee after treatment and disposal of wastes	Copy 6. Blue Colour : To be returned by the Receiver of the facility to the Sender after treatment and disposal of hazardous material / wastes

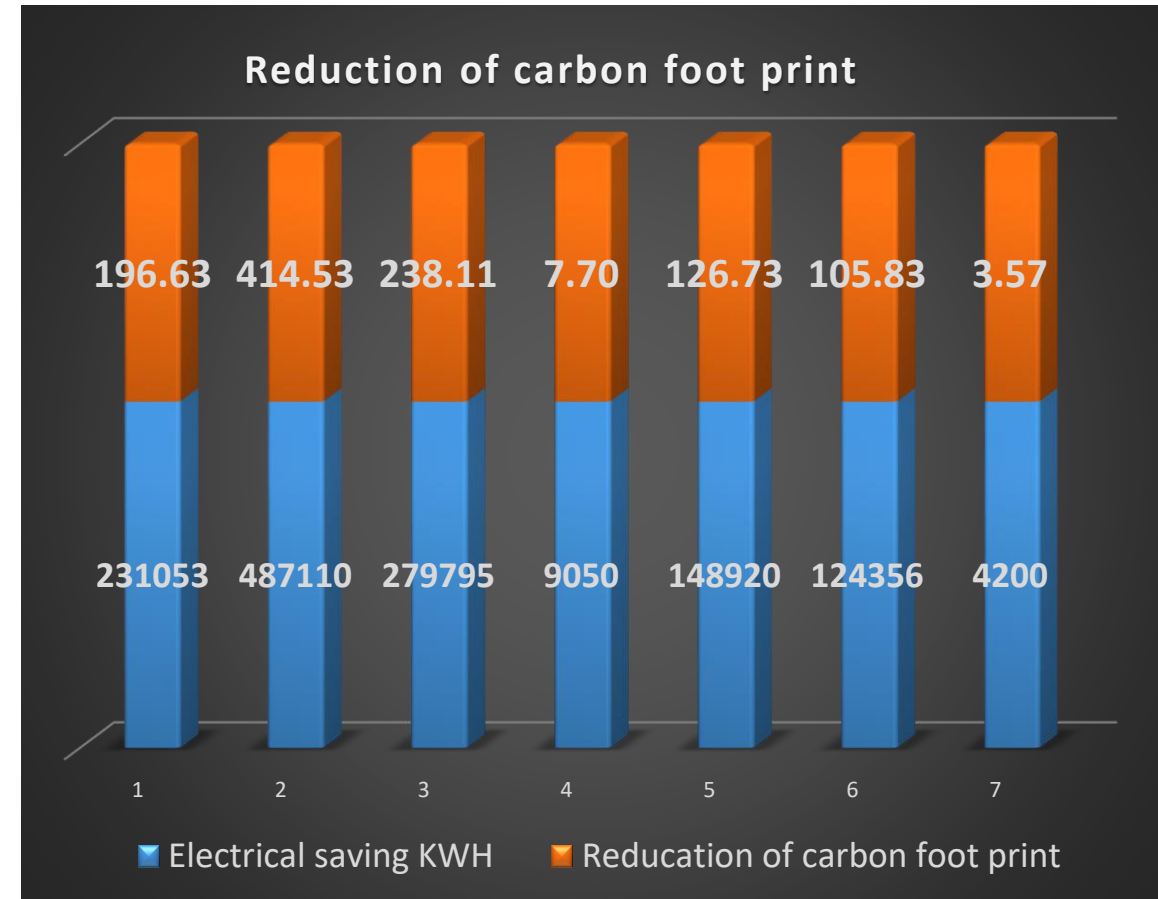
**FORM - 10**  
[See Rule 19(1)]  
**MANIFEST FOR HAZARDOUS AND OTHER WASTE 1107**

1. Sender's name and mailing address (Including Phone No & email)			
2. Sender's authorization No.			
3. Manifest Documents No.	1107/1105		
4. Transporter's name and address: (Including Phone No. & email)	Ganapathy Refineries Pvt. Ltd., No. 9 & 10, Anbedkar Industrial Estate, Jigani Industrial Area, 1st Phase, Jigani, Bengaluru - 560 105. Email : ganapathyrefineries5517@gmail.com		
5. Type of Vehicle	(Truck/Tanker/Special Vehicle)		
6. Transporter's registration No.	314838		
7. Vehicle registration No.	KA01AC 6570		
8. Receiver's Name and mailing address (Including Phone No & email)	Ganapathy Refineries Pvt. Ltd., No. 9 & 10, Anbedkar Industrial Estate, Jigani Industrial Area, 1st Phase, Jigani, Bengaluru - 560 105. Email : ganapathyrefineries5517@gmail.com, Ph: 986-2224225, Mob: 9740845473		
9. Receiver's authorization No.	314838		
10. Waste Description :	Used oil		
11. Total Quantity of Waste	1440 Litres m3 or MT		
No. of Containers	Nos.		
12. Physical form	Solid/Semi-solid/sludge/Oily/Tarry/Slurry		
13. Special handling instructions and additional information:	Use PPEs Avoid Spillage		
14. Sender's Certificate: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked, and labeled, and are in all respects in proper condition for transport by road according to applicable national government regulations.			
Name and Stamp	Signature	Month	Day Year
		04	09 2021
15. Transporter's acknowledgment of receipt of wastes			
Name and Stamp	Signature	Month	Day Year
		04	09 2021
16. Receiver's certification of receipt of hazardous & other waste			
Name and Stamp	Signature	Month	Day Year
		04	09 2021
Copy 1. White Colour : To be forwarded by the Sender to the State Pollution Control Board or Committee	Copy 2. Yellow Colour : To be retained by the Sender after taking Signature on it from the transporter and rest of the four copies to be carried by transporter		
Copy 3. Pink Colour : To be retained by the Receiver of the facility after signature	Copy 4. Orange Colour : To be retained to the transporter by the Receiver of facility / recycler after accepting waste.		
Copy 5. Green Colour : To be Forwarded by the Receiver of the facility to State Pollution Control Board or Committee after treatment and disposal of wastes	Copy 6. Blue Colour : To be returned by the Receiver of the facility to the Sender after treatment and disposal of hazardous material / wastes		

# GHG inventorisation

## Reduction of Carbon foot print 2018-2021

Opportunities Implemented	Electrical saving KWH	Reduction of carbon foot print Tons of CO2
High Efficiency UPS	231053	196.63
Variable frequency drives for pumps	487110	414.53
On-line Chemical dosing and water treatment	279795	238.11
Motion sensors with LED light	9050	7.70
Cold aisle containment system	148920	126.73
Solar units	124356	105.83
Blanking panels installation in empty U space	4200	3.57
<b>Total Savings</b>	<b>1284484</b>	<b>1093.10</b>



# Green Supply Chain

## Purchased most energy efficient products:

- Chillers with lesser IKW (0.56 IKW), Energy Efficient Transformers
- Energy efficient LED lights
- Cold Aisle containment for all server halls
- Energy efficient pumps and CT
- Solar Panels
- Energy efficient UPSs systems.
- Common share point is being used at site by team to maintain documents thereby minimizing the usage of hardcopies
- Green chemicals for house keeping.
- STP treated water using for flushing and garden.
- Trainings on environmental best practices



# Team work, **Employee Involvement & Monitoring**

Monitoring and Reporting	
Parameters	Details
Frequency of Review of PUE & Consumption :	Monitor through BMS 24/7 and review Once in a Week
Roles & Responsibilities of Energy Manager :	Minimum 20% power savings to be achieved compare to previous year PUE
Details of Monitoring & Reporting System / Methodology Employed by the Unit for Review of SEC & Consumption (Max. 100 Words):	Mr. Brahma Reddy - SVP, Mr. MVBV Prasad, Vice President,, Mr. Girish Panduranga, Sr. Manager, Mr. S V Siva Rama Krishna
Who Chairs the Review Meeting on SEC & Consumption (Provide Designation) :	Mr. Brahma Reddy - SVP, Mr. MVBV Prasad, Vice President, Mr. Rajesh Singh- AVP, Mr. Girish Panduranga, Sr. Manager, Mr. S V Siva Rama Krishna
Budget for Energy Conservation	INR 40 Millions which is 0.12% on total company turn over
Energy efficiency / awareness training program	Training are planned monthly for all the team members
Projects implemented through Kaizens ( Workers and Supervisor level)	Operational savings of all the Electro mechanical equipment, utilization of optimized energy or power.

# Monitoring of all critical equipment's in BMS

Wykon WorkPlace N4

File Edit Search Bookmarks Tools Window PxViewer Help

My Host: WIN-TB022V6V992 (NSDL) Station (NSDL) Home

Quick Search

Wb PxView

SUMMARY-MAIN.px PAHU SUMMARY.px

**CtrlS** Asia's Largest Tier 4 Datacenter

22.33 °C  
86.85 %  
AMB CON

**NORMAL**

FIRE INPUT

TREND

ALARM

HOME

### SUMMARY

#### CHILLER

CHILLER 1	ON
CHILLER 2	OFF
CDWP 1	ON
CDWP 2	OFF
PCHWP 1	ON
PCHWP 2	OFF
SCHWP 1	ON
SCHWP 2	OFF
CT 1	ON
CT 2	OFF

#### PAHU

SER 1 PAHU 1	RUN
SER 1 PAHU 2	STOP
SER 2 PAHU 1	STOP
SER 2 PAHU 2	RUN
SER 2 PAHU 3	STOP
SER 2 PAHU 4	RUN
TEL 1 PAHU 1	STOP
TEL 1 PAHU 2	RUN
TEL 2 PAHU 1	RUN
TEL 2 PAHU 2	STOP
UPS 1 PAHU 1	STOP
UPS 1 PAHU 2	RUN
UPS 2 PAHU 1	RUN
UPS 2 PAHU 2	STOP
BAT 1 PAHU	STOP
BAT 2 PAHU	STOP
BF5H-1PAHU1	RUN
BF5H-1PAHU2	STOP
BF5H-1PAHU3	STOP
BF5H-1PAHU4	STOP
BF5H-2PAHU1	RUN
BF5H-2PAHU2	RUN
BF5H-2PAHU3	RUN
BF5H-2PAHU4	STOP

#### FIRE PUMPS

MAIN PUMP	STOP	AUTO
HYD PUMP	STOP	STOP
ROC PUMP	STOP	AUTO

#### DIESEL GENERATOR

DG 1	STOP
DG 2	STOP
DG 3	STOP
DG 4	STOP

#### UPS

UPS 1	NA
UPS 2	UPS ON
UPS 3	UPS ON
UPS 4	UPS ON
UPS 5	UPS ON

#### ROOM TEMP & RH

	TEMP	RH
3F SH1 SENS1	20.68 °C	61.50 %RH
3F SH1 SENS2	20.57 °C	61.69 %RH
3F SH2 SENS1	20.36 °C	52.92 %RH
4F SH1 R1S1	22.46 °C	56.70 %RH
4F SH1 R1S2	22.36 °C	57.00 %RH
4F SH2 R1S1	20.40 °C	63.41 %RH
4F SH2 R1S2	21.98 °C	56.42 %RH
4F SH2 R2S1	19.91 °C	65.62 %RH
4F SH2 R2S2	20.97 °C	65.64 %RH
4F SH2 R3S1	19.40 °C	68.23 %RH
4F SH2 R3S2	19.00 °C	62.69 %RH
1F UPS_RM	19.4 °C	28.2 %RH

#### FAN

PUMP 1	STOP
PUMP 2	STOP
MLT 1	STOP
MLT 2	STOP
STP FR	STOP
STP EX	STOP
SR LIFT	STOP
TOIL EXH	STOP
DATA LIFT PR	STOP
LIFT LB PR	STOP
STR2 FAN	STOP
STR2 FAN	STOP

#### AHU

NOC 1	RUN
NOC 2	STOP
LOBBY	STOP
STAGING	STOP
TFA1	STOP
TFA2	STOP

#### TANKS

UNDER GROUND TANKS	
FIRE TANK 1	87.0 %
FIRE TANK 2	93.78 %
RAW TANK 1	90.0 %
RAW TANK 2	99.25 %
SOFT TANK 1	0.9 %
SOFT TANK 2	88.7 %
DOMESTIC TANK	102.75 %
HSD TANK 1	58.84 cm
HSD TANK 2	60.38 cm
OVER HEAD TANKS	
FIRE TANK	98.4 %
DOMESTIC TANK	98.0 %
SOFT TANK 1	65.1 %
SOFT TANK 2	65.8 %

#### PDU

PDU	POWER (KW)
TEL 1 S1P1	2.9
TEL 1 S2P1	2.8
SER 1 S1P1	0.0
SER 1 S2P1	0.0
SER 1 S1P2	26.5
SER 1 S2P2	17.4
SER 2 S1P1	20.9
SER 2 S2P1	17.9
TEL 2 S1P1	4.0
TEL 2 S2P1	0.9
SER 2 S1P2	25.0
SER 2 S2P2	22.1
SER2 S1 I/P Q1P1	17.4
SER 2 S1 O/P Q2P3	16.7
SER 2 S1 O/P Q3P3	2.5
SER 2 S2 I/P Q1P1	12.4
SER 2 S2 O/P Q2P3	12.0
SER 2 S2 O/P Q3P3	2.3

#### WATER LEAK DETECTOR

TELE_RM 1	NORMAL
UPS_RM 1	NORMAL
SER_RM 1	NORMAL
SER_RM 2	NORMAL
UPS_RM 2	NORMAL
TELE_RM 2	NORMAL

#### GAS READING


BAT_RM 1 H2	0.1 %
BAT_RM 2 H2	0.2 %
SER_RM 1 N2	0.1 %
SER_RM 1 S02	0.1 %

#### JET & EXT FAN

LOW	STOP
HIGH	STOP
EXT FAN	STOP

MAIN

FLOOR PLAN



SYSTEM ARCHITEC

ELECTRICAL SLD

Logoff

4TH FLOOR

NOIDA 18P5

# Implementation of ISO 50001/Green Co/IGBC rating

Implementation of ISO 50001/Green Co/IGBC rating	
Parameters	Details
Is your Building ISO 50001 Certified?	Certification process has been initiated, Internal reviews and documentation are in process.
Is your Building Certified by IGBC/Any other Building Certification?	Datacenter is designed & built as per guidelines of US Green Building Council (USGBC), Certification is under process
Total Turnover of the company/Plant FY 2020-21 (RS. Millions)	191 for Bengaluru DC
Amount invested in EnCon Projects FY 2020-21 (Rs. Millions)	0.60
Investment %	0.67%

# Environment

- Energy Efficiency best management practices at every level/ through Datacenter life cycle.
- Green supply chain policy
- Using STP treated water for gardening
- Indoor Environmental Air quality
- Utilization of waste
- Plantation
- Encourage employees to use public/pooled transport





# Awards



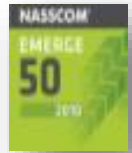
Best Data Center Award 2013



CIO Choice Award for Data Centre Managed Services, Cloud 2013, 2014, 2015



CII Energy Efficiency Award 2012, 2014, 2015, 2020



Nasscom Awards 2010, 2011

Golden peacock Award 2020

# Certifications



**TIA Rated 4 certification**  
Industries highest Uptime of 99.995%



**ISO 22301**  
Industries highest Uptime of 99.995%



**ISO 20000-1**  
Efficient and timely service delivery



**SOC-1, SOC-2**  
Organization wide process



**ISO 27001**  
Ensuring data security and safety



# People



Certified people resources

- ITIL, COBIT
- CISA, CISSP
- Six Sigma, PMP
- CCNA, MCSE,
- SAP Basis, HANA etc

More than 75% of the people resources are dedicated to customer support (Service Delivery) operations.



# Our Expansion Plans

# Upcoming DC Park, Hyderabad



DC Park | Hyderabad | 1 Million Square Feet | 150 MW | 15,000 Racks

# Upcoming Solar Farm

## Eliminating Carbon Footprint through Clean Energy



**We have initiated the activity of building a Solar Farm to ensure 100% of our electricity is powered by Renewable Energy**

Total 200 MW capacity Solar power plant in multiple phases

**Phase-1:**

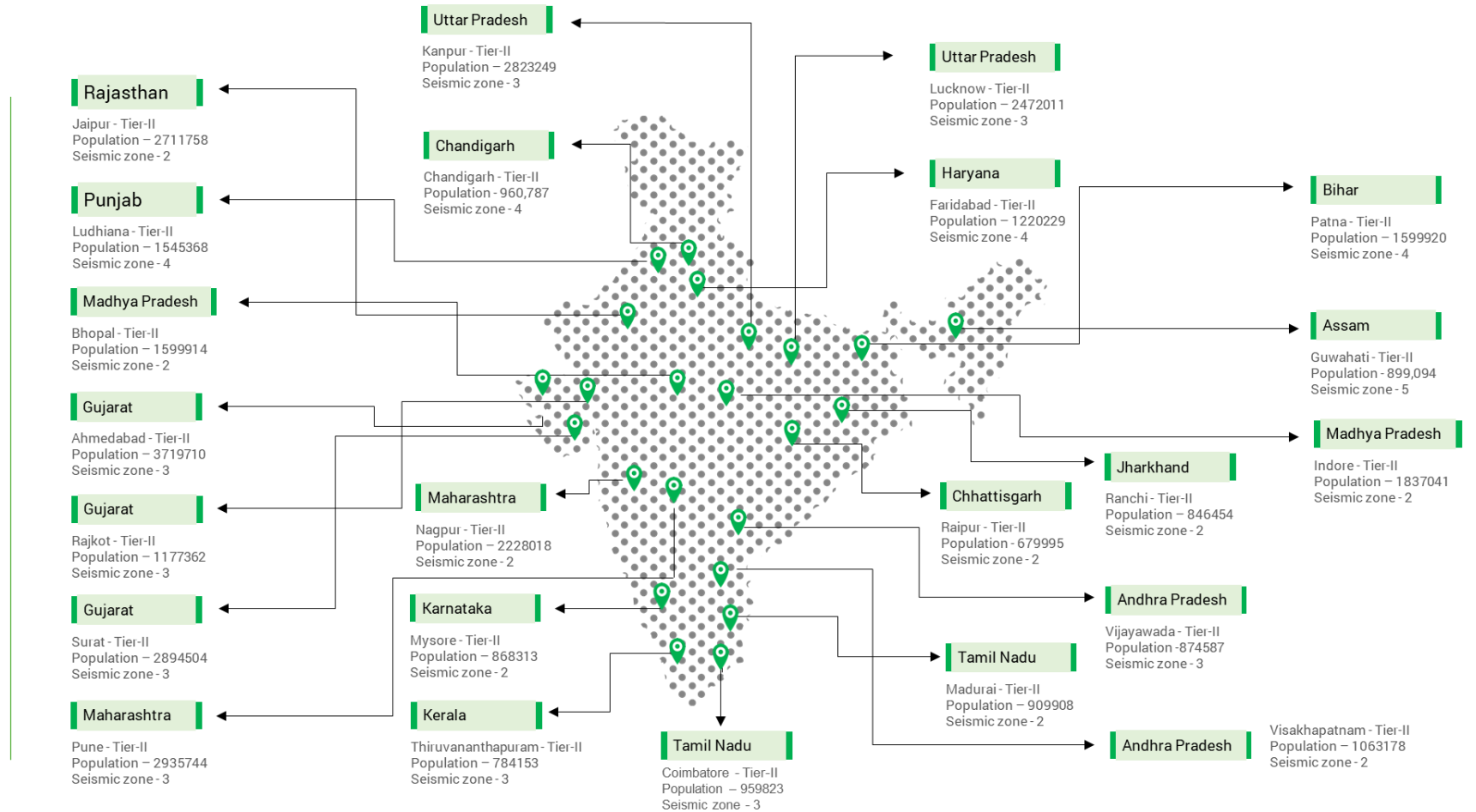
Setting up 50 MWp Captive solar power plant  
Target to commission in next 9-12 months  
Generation capacity of 75 million KWH

Will Cater upto 70% of present consumption of Mumbai DC requirement  
Land bank is being acquired to meet DC campus requirement  
**About 150 Metric Tons Co2 reduction**

# Our Planned Edge Data Centers

## Helping you reach your customers at the edge across major Tier-2/3 cities in India

- Standardized, best-practices-based facilities
- Redundant, best-in-class infrastructure
- Better power, bandwidth and performance
- 24x7 onsite security, with rigorous controls
- Infrastructure as per Industry specs and government regulations
- Carrier Neutral DC Facility



# CtrlS<sup>TM</sup>

**Asia's Largest  
Rated 4 Datacenter**

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