

# Anant Raj Limited

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Tel : (0124) 4265817



**ARL/CS/13380**

**April 25, 2024**

<p>The Secretary, <b>National Stock Exchange of India Limited,</b> "Exchange Plaza", 5th Floor, Plot No. C/1, G-Block, Bandra – Kurla Complex, Bandra (E), Mumbai-400051</p> <p><b>Scrip code: ANANTRAJ</b></p>	<p>The Manager Listing Department <b>B S E Limited,</b> Phiroze Jee Jee Bhoy Towers, Dalal Street, Mumbai – 400001</p> <p><b>Scrip code: 515055</b></p>
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**Subject: "Data Center Presentation"**

Dear Sir,

Please find enclosed Data Center Presentation, in terms of Regulation 30 of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015.

You are requested to kindly take the same on your records.

Yours Faithfully,

**For Anant Raj Limited**

**Manoj Pahwa**  
**Company Secretary**  
A-7812

**Encl: as above**



# Strong Foundation Stronger Future

[ananrajcloud.com](http://ananrajcloud.com)



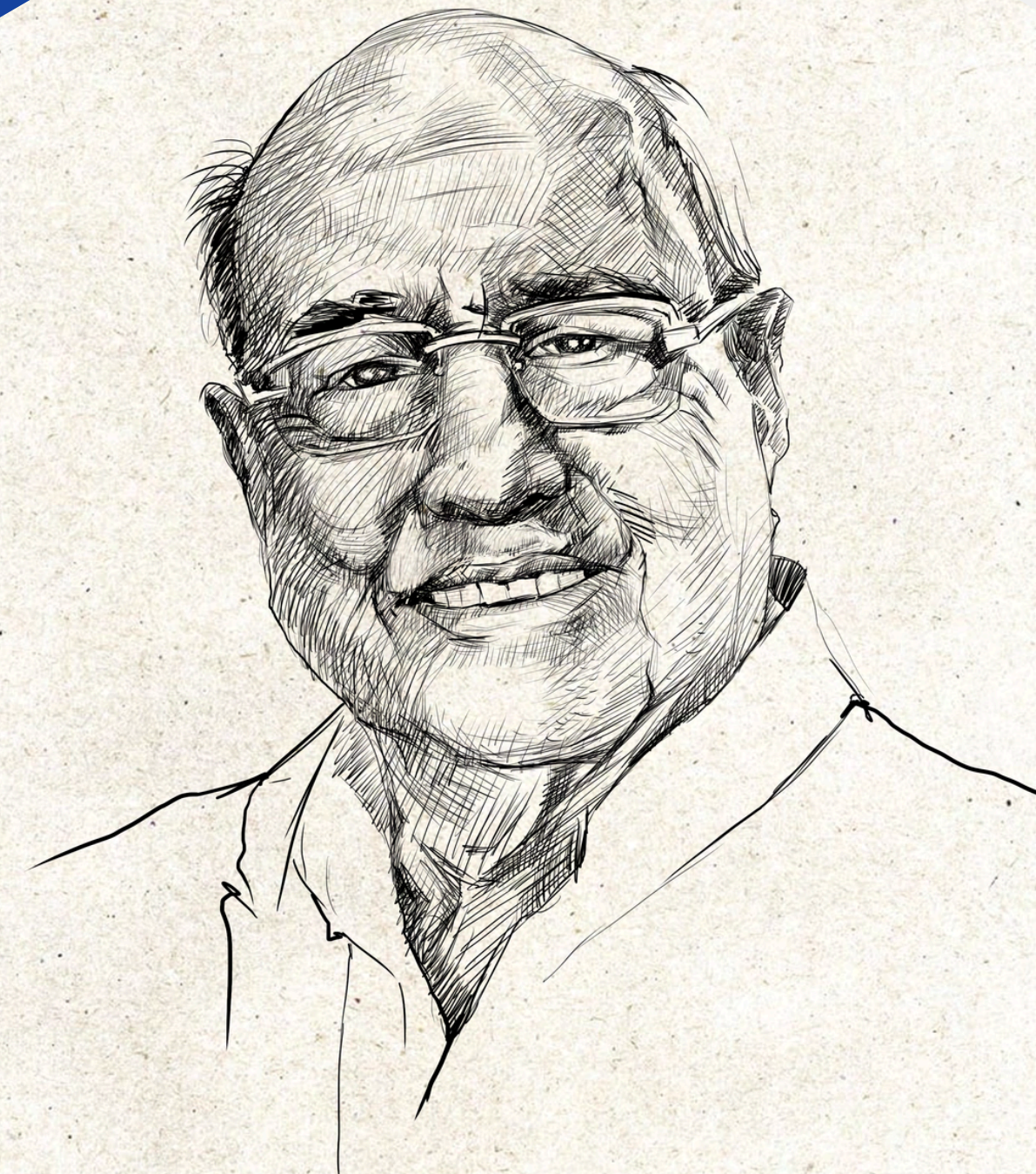
# “A Vision Turned Into Reality”

Shri Ashok Sarin (Grandson of Shri. Rai Sahab Shadi Ram Sarin) started his Journey into the Construction & Development Business at a very early age. With the blessings of his parents Lala Anant Ram Sarin and Smt. Raj Kumari Sarin, established the Brand “Anant Raj” (named after the first names of his Respected Parents), a Construction & Development company formed in the early 1970's.

The Company in a very short period became synonymous with the highest degree of Quality & Ethical Business Standards and was reckoned as one of the largest Construction & Development Companies of the 70's & 80's era.

The Company built almost 30000 houses in Delhi and NCR Region. Some of the prestigious projects delivered included Housing Complexes, Asiad Village Complex, Rohini, East of Kailash, Shekh Sarai, Madangir, Katwaria Sarai and many more. It was one of the main Contractors doing work for all major Government Agencies i.e. DDA, MES, PWD, CPWD, etc. It worked as DDA contractor from the year 1969 to 1990.

**Shri Ashok Sarin**  
Founder



Building on its well-established Construction Business, the Company ventured into leasing of Commercial Properties in prime areas of Delhi. The first property leased by the Company in the year 1978 which it still owns.

The Company was fortunate enough not to need to sell any of its Commercial Properties, a strength that it maintains to date. Today it boasts of almost 5 million sq. ft. of leasable space, most of which is ready and leased out. It has to its credit some of the prime locations in Delhi & NCR.

The Company has gradually attained the position of one of the largest Real Estate Developers in the Delhi, NCR Region and is into almost all Verticals of Real Estate. It is also one of the largest Land Bank / Property Owners of Delhi NCR. Its Businesses include:

**Residential Townships**

**Group Housings**

**Commercial Developments**

**IT Parks**

**Malls/Office Complexes**

**Affordable Housings**

**Data Centers**

**Hospitality/Serviced Apartments**





# Why **Data Center** In India

01

India is witnessing robust growth in Data Center market, based on an unprecedented surge in virtualization, cloud computing and public data generation.

02

The market is expected to grow at 12% CAGR from 2019 to 2024 (Synergy Research Group), and cloud spending is expected to grow at CAGR 30% to reach USD\$ 7.1 Billion per annum in 2022 (NASSCOM).

03

India is the 2nd fastest growing digital economy in the World. IT & Communication sector shall double by 2025 and shall contribute appx. USD\$ 400 Billion to the Indian GDP.

# Favourable Political Climate with Planned Incentives

Aim to promote and incentivize Data Center and Localized Data Storage in India by terming Data Centers as an essential infrastructure in line with roads, railways and energy generation.

## Several Policy Growth Drivers for Data and Data Center in India, namely:-

- Digital India Initiative
- Data Protection & Localization Bill 2019
- National E-Commerce Policy
- Updating of IT ACT
- India Data Center Policy 2020
- Haryana State Data Center Policy 2021

# Advancements in Data Generation & Computing are driving growth

Data Storage requirement to exceed 2000 MW IT Load Capacity by 2025.

## Growth drivers for the Data Center market in India:

- Greater penetration of IoT
- Increase and widespread usage of Cloud Computing
- Massive transition from 2G/3G to 4G and subsequently 5G
- Big Data Analysis and Analytics
- More penetration & adoption of smartphones and personal computing across population.

# ARL Data Center

Upcoming Data Center Projects By ARL



# Next Generation Development - Data Centre Manesar (Haryana)

01

## Scale

- Capacity to develop to 300 MW of IT load
- Super Structure of 150 MW of IT Load ready

02

## Efficiency

- Option of Standardized & Flexible designs
- Efficient PUE
- World Class Vendors & technology

03

## Sustainability

- Energy-efficient building
- Sub-station in close proximity
- Part of Industrial Infrastructure
- Green Building (IGBC Gold Certified)



Vendors



COMMSCOPE®



# Certifications





**Anant Raj Cloud Pvt. Ltd.** (Wholly owned subsidiary of ARL) is proud to enter into a Strategic Alliance Partnership with **TCIL (Telecommunications Consultants India Limited)**, **Govt. of India (PSU)**, for Data Centers.

TCIL is a wholly owned Government of India undertaking & largest telecom engineering public sector enterprise in the country.



**Anant Raj Cloud Pvt. Ltd.** (Wholly owned subsidiary of ARL) is proud to be a business partner of **RailTel, Govt. of India (PSU)**, for providing Data Center Services.

RailTel is a Government of India undertaking & one of the largest neutral telecom infrastructure providers in the country.

# Commenced DATA Center at IMT Manesar

- Dedicated cabinets / exclusive secured cages/suites for ensuring data security
- Highly energy-efficient DCs with low PUE
- Carrier-neutral with 4 fibre path redundancy 2 HDAs/floor -> High bandwidth connectivity
- N+N redundancy for UPS & telecom infrastructure (Tier III norms require N+1 only)



# Schneider Racks (ER 6222) & IT design by CISCO, COMMSCOPE

## Fast deployment

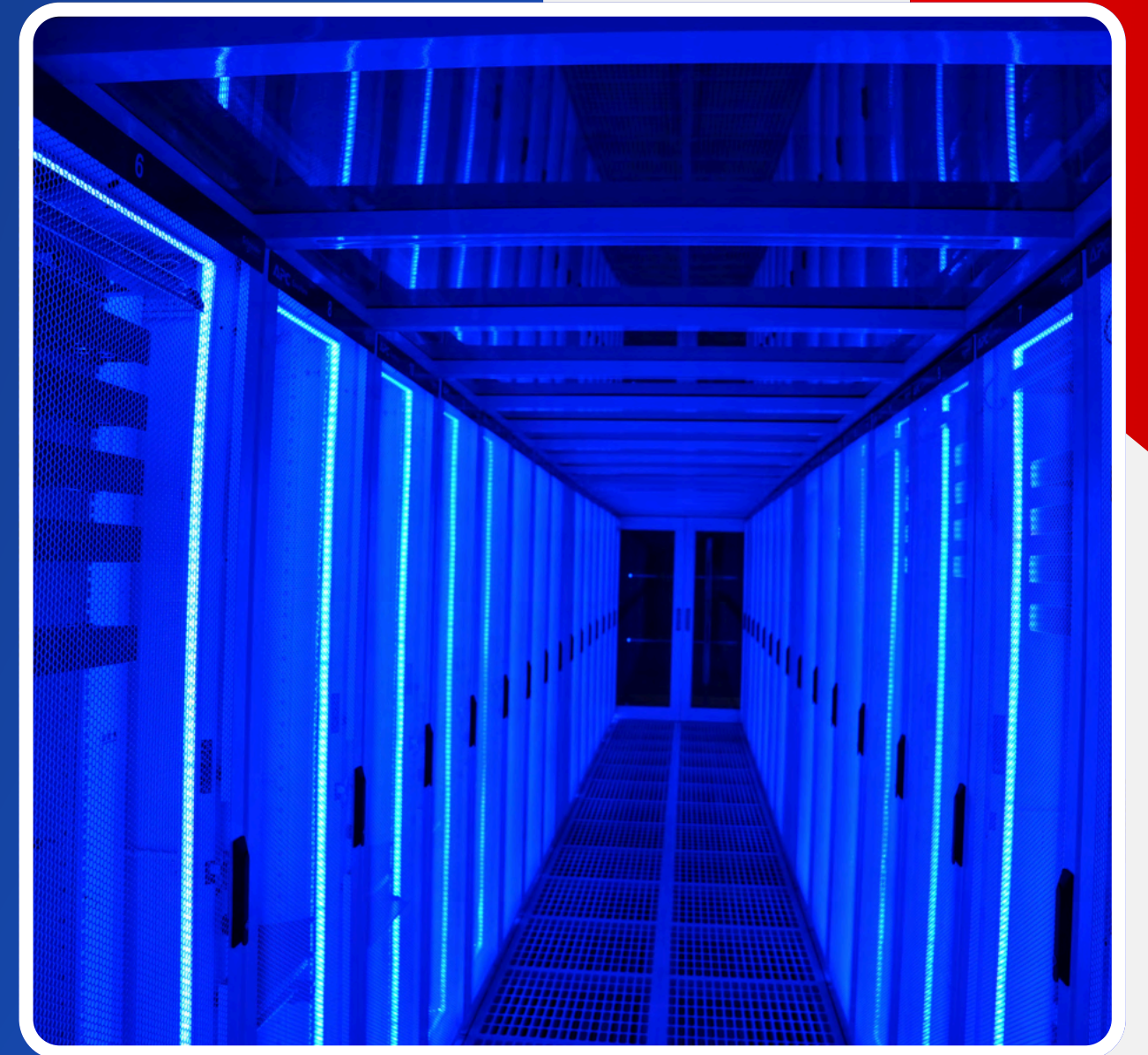
- Fully assembled
- Key features for fast deployment
- APC solution compatibility

## Standardization

- Several heights, widths, depths for any IT
- Standardize on a single platform from edge to data center
- Base building block of data center and micro data center solutions

## Reliable

- APC quality and reliability
- Industry standards adherence and UL Listed
- Standard 5 year factory warranty



## IT Design

Actives by CISCO

Passives by COMMSCOPE

COMMSCOPE®



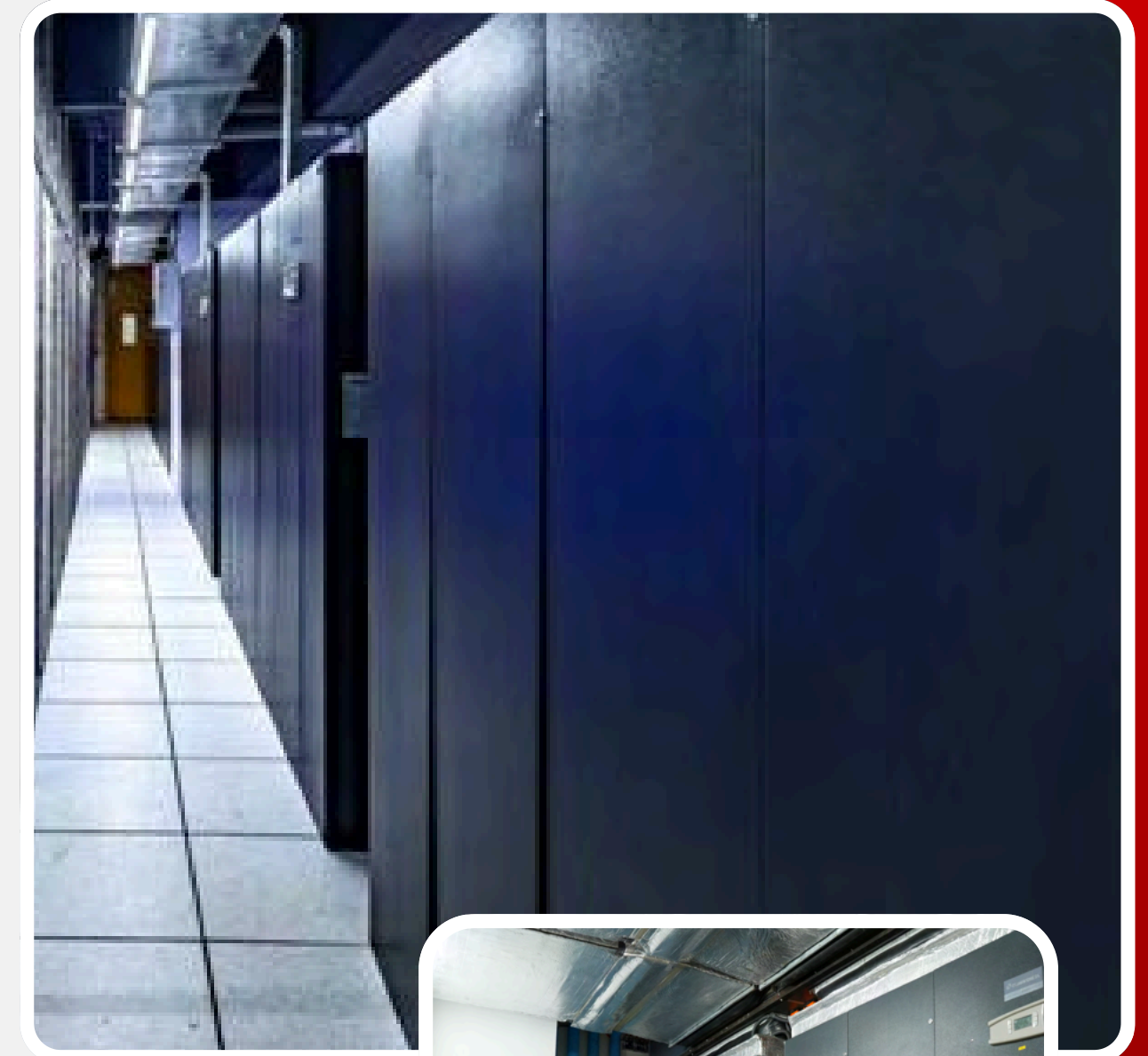
# HVAC - PAHUs & HSUs (N+1) by Mitsubishi - Climaveneta

\* For SERVER Room - "Precision Air Handling Units" of 50 Tr each with a N+1 Configuration  
\* EC Fans for precision control

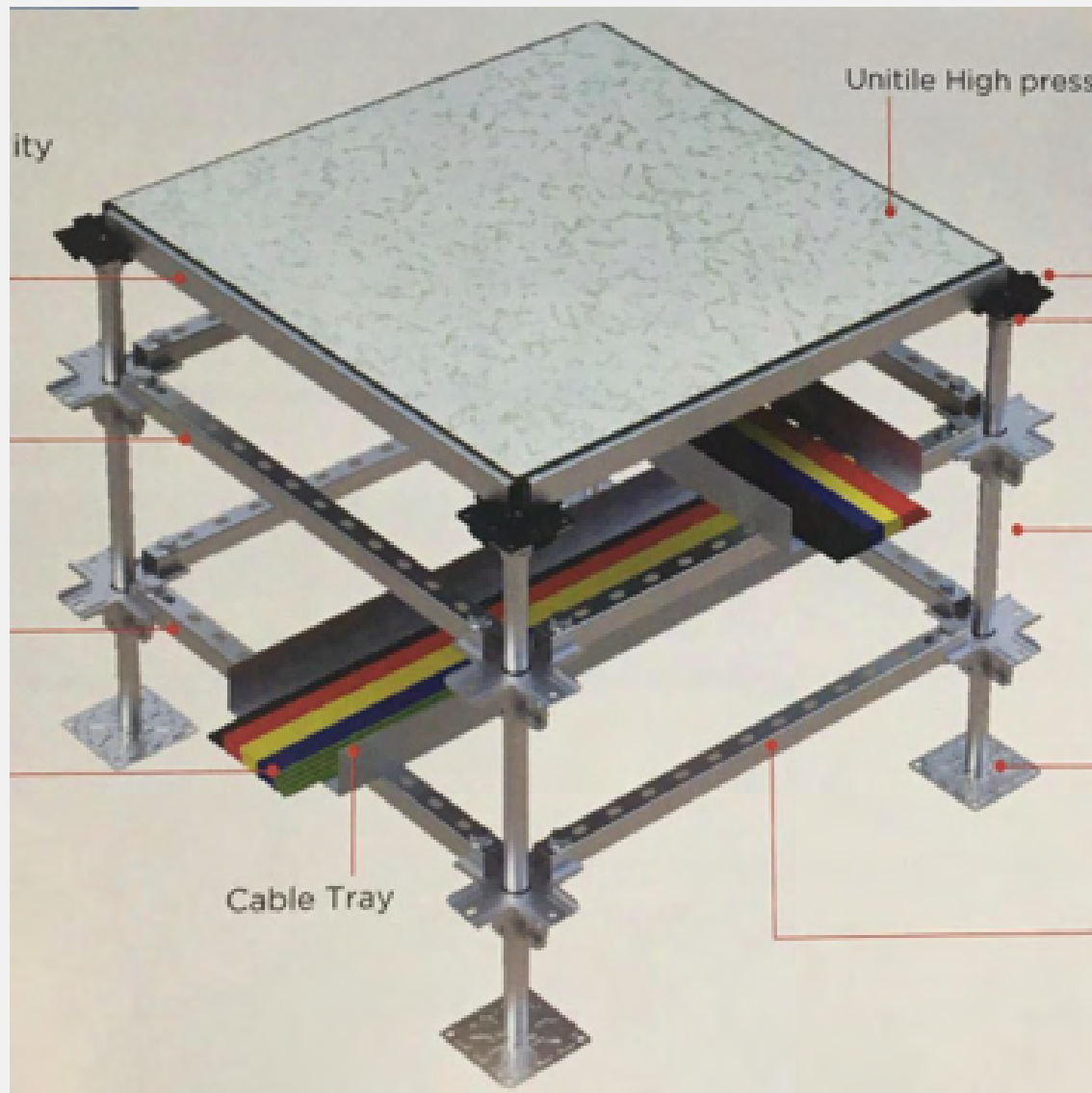
Cooling with Hybrid system – Water cooled Chillers & Air Cooled Chillers (N+1)

CFD Analysis for Thermal scanning by simulation

- Two sources of chilled water have been considered
- **UPS & Battery Rooms** have been provided with CHW system in N+1 configuration. CHW High sensible units have been proposed, in auto sequencing mode.
- **Telco Room** has been provided with CHW system in N+1 configuration, in auto sequencing mode.
- **Staging area** has been provided with CHW system in N+1 configuration, HSU, in auto sequencing mode
- Balance areas CSU (2W+2SB) Chilled water based AHUs have been installed (System air make)
- **TFA** for fresh air provision as per ASHRAE Standard 62.1-2010.



# Raised Access Floor Tiles with Provision for Services



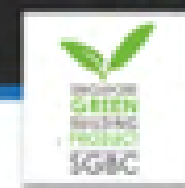
World Class Quality



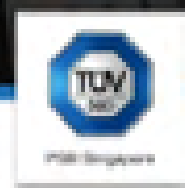
Environmental Conscientiousness



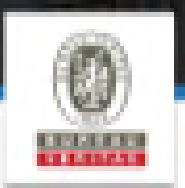
Health And Safety Measures



Singapore Green Building Council (SGBC)



Excellence guaranteed with third party tested at TÜV SÜD PSB, Singapore



Certified by Bureau Veritas, France



# Security Parameter's for DATA Center @ IMT Manesar



## Multiple Security Layers

- Property Boundary with Signage & Fencing.
  - Secure Perimeter – Main Entry Gate, Overlapping Cameras,
  - Building Access – Car Under Belly Check, Biometric,
  - Access card and ID Baggage Scanners, DFMD, Hand held detectors.
- 
- **Data Security – Firewalls /Encrypted Data**
  - SOC room – Security Operations Centre – Brain of Security System – Doors, CCTV Cameras, Batch readers, Biometrics – all house



# NOVEC Gas Suppression system with Acoustic Nozzles & ELV system by JOHNSON Controls India JCI

## ELV services by JCI :

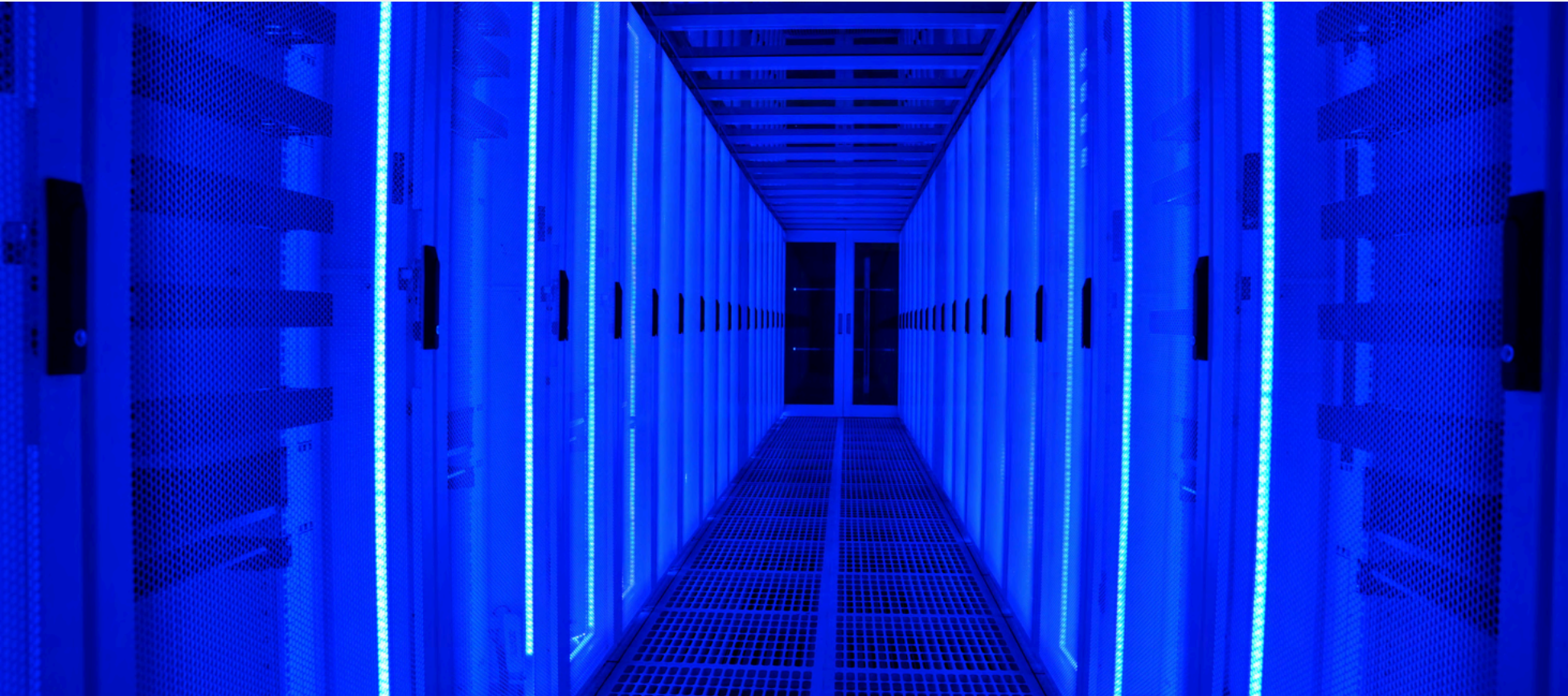
- Access Control
- CCTV
- Rodent Repellant
- VESDA
- FA & PA System
- WLD system



# Actual Pictures of Server Hall & Services



# Actual Pictures of Server Hall & Services



# ON Floor Electrical Panels & 500 KVA UPS (Schneider make)

- Power is being drawn From 2 sources through 2 different Shaft Paths, from the Existing Main Panels
- Fed to 2 UPS input Panels on the Floor
- Each Input panel is feeding to the UPS 1 & 2
- This is fed into the 2 UPS Output panels
- Then to the PDUs in the server Room
- There are 3W+3S/B PDUs
- UPS (N+N) are in 2+2
- PDUs supply power to the Racks through BBT
- PAHUs also get the power from UPS through ATS dual source



Actual Pictures

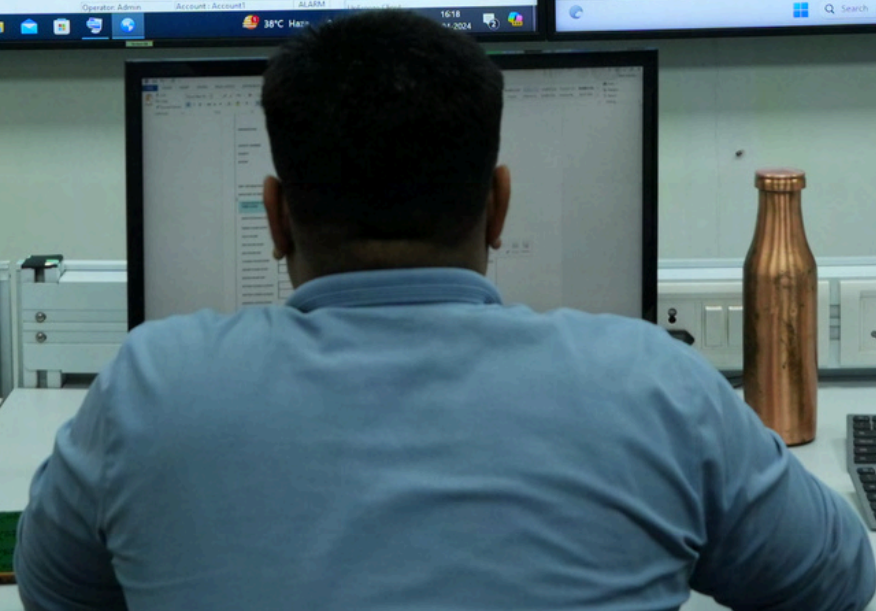
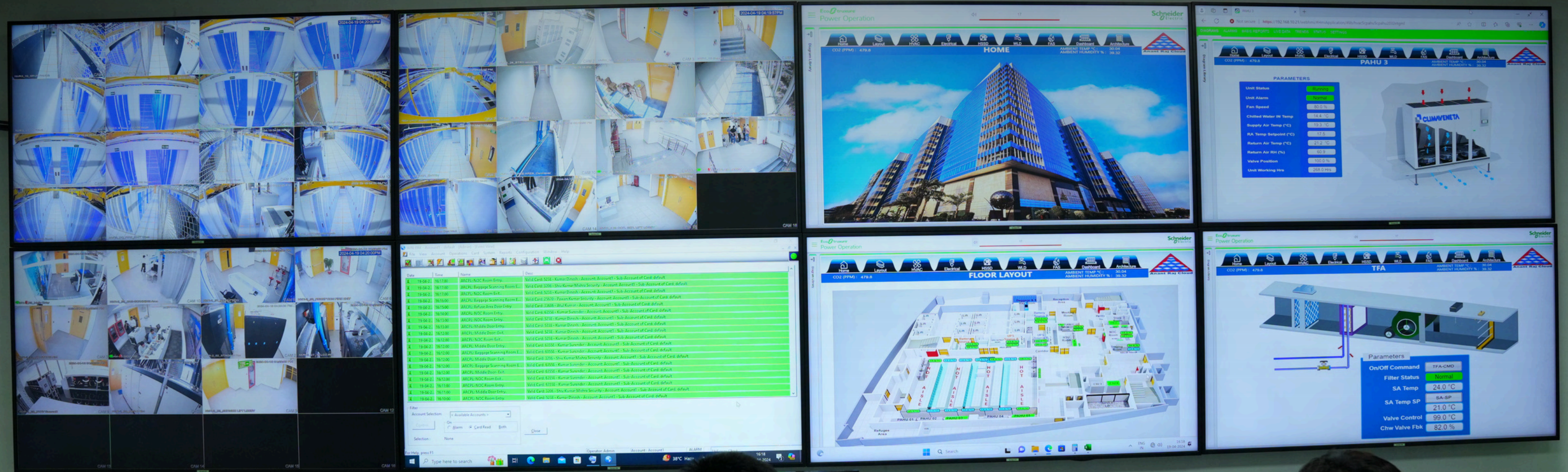
# Lithium-ION BATTERY BANK AT DATA CENTRE MANESAR

- Longer Life 15 yrs. (Li-ion Batteries) vs 3 yrs. (for VRLA Batteries)
- Compact Size - Space required for Li-B is 65% lesser than VRLA
- Light Weight - Weight Reduction by 76% for Li-B as compared to VRLA batteries
- Monitoring system through BMS - easy Predictive Maintenance
- Reduced TCO (Total Cost of ownership)



Actual Pictures

# Building Management System Room with Controlled System



# Actual Pictures of Server Hall & Services





# Actual Pictures of Manesar DATA CENTER



# Anant Raj Limited

Data Center Development

Our Future Endeavours





# ARL Tech Park

## Manesar-Haryana

- **Area:** 10 Acres
- **Constructed Area:** 1.8 Mill Sq. Ft
- **Location:** 10 Km from Gurugram – an IT/ITES and BPO Hub of NCR ( Anant Raj Tech Park,) Sector 8, IMT Manesar, Gurugram, Haryana 122051)
- **Status:** TIA-942 Tier III Certification received for 1st Phase 21 MW Data Center.
- **3 MW Ready**
- **Capacity:**  
**1st Phase** – 450,000 Sq. Ft. in existing building with 21 MW IT Load;  
**2nd Phase** – increase IT Load to 50 MW in existing building.



# ARL Trade Center

## Rai -Haryana

- **Area:** 25 acres
- **Developable Area:** 5.1 Mill Sq. Ft.
- **Location:** 5 km from NCR; Connected to Airport, Gurugram and Manesar by the operational KMP expressway (Anant Raj Tech Park, Plot No. TP-1, Near HSIIDC Ethnic City, Sector 38, Rai, Haryana 131029))
- **Constructed Building:** 2.1 Mill. Sq. Ft. with 3 basements and a G+14 Structure (1,00,000 Sq. Ft. Leasable Floor Plate) can be converted into 100MW IT Load Data Center.
- **Potential:** 14 Acres of Green Field available with FSI of 1.5 mn. Sq. Ft. which can be designed as a Built-to-Suit Tier IV Data Center with 100 MW IT Load Capacity (two grid power supply is available in this building)
- **Tier III Data Center** in existing building (2 million Sq. Ft. with 100 MW IT Load Capacity) + Built-to-Suit Tier IV Data Center (1.5 million Sq. Ft. with 100 MW IT Load Capacity) can be developed.
- **TOTAL** – 200MW IT Load Data Center



# ARL Tech Park

Panchkula- Chandigarh

- **Area:** 9.5 Acres
- **Developable Area:** 1.8 Mill Sq. Ft.
- **Location:** Anant Raj Tech Park, Plot no. 1 , Sector 22, Panchkula, Haryana 134109
- **Status:** 0.6 Mill Sq. Ft. IT Building with Commercial Offices is operational
- **Potential:** 5.25 acres green field available with FSI of 0.6 Mill Sq. Ft. that can be developed into a Tier IV Data Center with 50 MW IT Load Capacity

# Thankyou



**Anant Raj Cloud Pvt. Ltd.**  
Wholly owned subsidiary of Anant Raj Limited

**Anant Raj Limited**  
**CIN: L45400HR1985PLC021622**

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**Disclaimer:**

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