



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

SCHOOL OF BUILDING AND ENVIRONMENT

DEPARTMENT OF ARCHITECTURE

M. Arch (Building Management)

PROFESSIONAL TRAINING (S84APT)

JULY 2022 - AUG 2022

Name of the Student : A.MADHUMITHA

Semester : III

Reg No. : 41840008

Batch : 2021-2023



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DEPARTMENT OF ARCHITECTURE

M. Arch (Building Management)

VIVA-VOCE EXAMINATION

This is to certify that the Professional Training Report (S84APT) is the work of **A.MADHUMITHA** who had undergone training in **CBRE SOUTH ASIA PVT LTD** and has been monitored by the continuous assessment during July 2022 to Aug 2022.

Dr. Devyani Gangopadhyay
HOD AND DEAN

Submitted for Viva voce Examination held on **20.12.2022**

Internal Examiner

External Examiner



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DECLARATION

I **A.MADHUMITHA** hereby declare that this Professional Training Report for 30 days from 11th July 2022 to Aug 13th 2022 done by me under the guidance of **Project Manager Ar.Vijay Chengalvarayan** is submitted in partial fulfillment of the requirements for the completion of practical training session.



DATE : 20.12.2022

PLACE : CHENNAI

A Madhumitha

SIGNATURE OF CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to Board of Management of **SATHYABAMA INSTITUTE OF SCIENCE & TECHNOLOGY** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. Devyani Gangopadhyay, Dean, School of building and Environment** for providing me necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to **Project Manager Mr.Christy Pinto and Project Manager Mr.Thiruvengadam** for his valuable guidance, suggestions and constant encouragement paved way for the successful completion of my Training.

I would also like to express my sincere thanks to **Ar. Surya Rajkumar (Internal Co-Ordinator)** for her valuable guidance, during the entire Professional Training period.

I wish to express my thanks to all Teaching and Non-teaching staff members of the Department of Architecture who were helpful in many ways for the completion of the project.

I take this moment to thank **Mr.Kothandapani (Senior Civil Engineer), Mr. Parthiban (Contracts Manager) and Mr. Asharaf Khan (Manager – Planning)** for their constant support. I am profoundly grateful to them for their professionalism, concern and encouragement throughout my training.

I would also like to thank my parents and friends for supporting me as always and helping me throughout my training.

BONAFIDE CERTIFICATE



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Date: 11.05.2022

TO WHOMSOEVER IT MAY CONCERN

MADHUMITHA A (Reg No- 41840008) is a bonafide student of our institution pursuing Masters in Architecture in Building Management (Batch 2021-2023). As part of the curriculum the students are required to undergo Professional Training for a minimum period of 30 working days. Kindly grant permission for the same in your esteemed organization. We also assure that information collected about any project will be used for academic purpose only.

Thanking You,

Dr. Devyani Gangopadhyay

Dean, School of Building & Environment

JEAN
SCHOOL OF BUILDING & ENVIRONMENT
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

JOINING LETTER

CBRE South Asia Pvt. Ltd

CBRE

Module 4A, Block A-10th Floor
Global Infocity Chennai
No. 40, MGR Salai
Kandanchavadi Perungudi
Chennai 600 096, India
T 9144 6680 7000

CIN - U74I 40DL1999PTC100244
chennai@cbre.co.in

www.cbre.co.in

To,
The Head of the Department,
Department of Architecture, School of Building & Environment,
Sathyabama Institute of Science and Technology (Deemed to be University),
Rajiv Gandhi Salai, Jeppiaar Nagar,
Chennai-600 119, Tamil Nadu

Sub: Confirmation letter for pursuing Practical Training for a period of 30 working days at our office for Ms. Madhumitha.A Reg No 41840008

Respected Sir / Madam,

With respect to the above subject we would like to induct Ms. Madhumitha.A (Reg No 41840008) M.Arch in Building Management, (Sathyabama Institute of Science and Technology) as a Project Management Trainee for a period of 30 working days from July 11, 2022 to August 13, 2022.

Thanking You,

For CBRE South Asia Pvt Ltd,



Vijay Chengalvarayan
Director

MONTHLY REPORT



SATHYABAMA

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SCHOOL OF BUILDING & ENVIRONMENT, DEPARTMENT OF ARCHITECTURE
M. Aroh (Building management)

Continuous Assessment Report for Professional training
(Continuous progress report of the trainee architect/Project Manager for the period of 15 working days in the office to be submitted to HQD by the Trainee in Charge of the Organization)

1. Name of the office / organization :	CBRE SOUTH ASIA PVT. LTD.		
2. Address & Contact Number :			
3. Name of the student :	A. MADHUMITHA		
4. Duration :	From 11.07.2022	To	13.08.2022
5. Total No. of days :	30 DAYS		
6. Evaluation of Performance criteria shall be on			

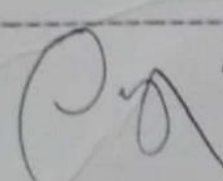
* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture	✓				
Skills/dts related to project management	✓				
Design Management	✓				
Understanding the Triple Constraints	✓				
Observation during Site Visits	✓				
Understanding of construction details	✓				
Understanding of Construction sequences	✓				
Site Supervision / Discussion with clients	✓				
Adherence to Time schedule	✓				
Quantitative aptitude	✓				
Documentation skills	✓				
Coordination with other consultants	✓				

Overall Grading*	A
------------------	---

(A – 8.0, B – 7.0, C – 6.0, D – 5.5, E – 5.0, F – <5)

7. Any other Remarks :

8. Signature of the Head of the Office / Organization (With Seal) :  



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1. Name of the office / organization :			
2. Address & Contact Number :			
3. Name of the student :			
4. Duration :	From	To	
5. Total No. of days :			
6. Evaluation of Performance criteria shall be on			

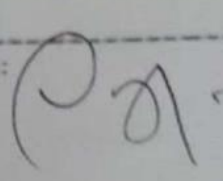
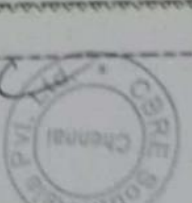
* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture	✓				
Skills/dts related to project management	✓				
Design Management	✓				
Understanding the Triple Constraints	✓				
Observation during Site Visits	✓				
Understanding of construction details	✓				
Understanding of Construction sequences	✓				
Site Supervision / Discussion with clients	✓				
Adherence to Time schedule	✓				
Quantitative aptitude	✓				
Documentation skills	✓				
Coordination with other consultants	✓				

Overall Grading*	A
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(A – 8.0, B – 7.0, C – 6.0, D – 5.5, E – 5.0, F – <5)

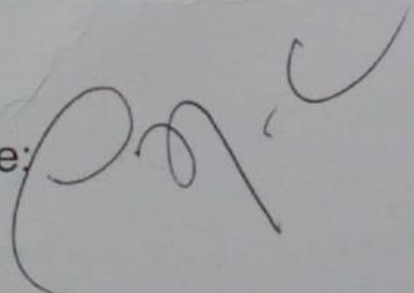
7. Any other Remarks :

8. Signature of the Head of the Office / Organization (With Seal) :  

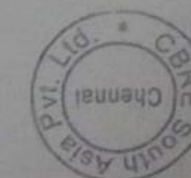
WORK DIARY

DAY	PROJECT NAME	WORK DONE	DAY	PROJECT NAME	WORK DONE
11/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Site Visit – Snag List: First floor Corridor and GF Utility	28/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Cost Management: Cost Control, Site Visit – First Floor
12/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Floor Plans and Project Execution Plan (PEP) Study	29/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Change Order Management Site Visit – Third Floor
13/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Contract Process, Logistics Plan, Site Visit – First Floor	30/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Material Inspection Checklist, List of Approved Brands
14/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Risk Register: NPCI Example, Site Visit – Ground Floor	01/8/2022	NPCI Smart Data Center, Siruseri, Chennai	Roles and Responsibilities, Master List Of Documents
15/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Uptime Certification: Scenarios, Onsite Testing	02/8/2022	NPCI Smart Data Center, Siruseri, Chennai	De-Snagging – First floor corridor and Terrace
16/7/2022	NPCI Smart Data Center, Siruseri, Chennai	GCC Study, Asset Handing Over List	03/8/2022	NPCI Smart Data Center, Siruseri, Chennai	Installation Checklist(False Flooring, False Ceiling)
18/7/2022	NPCI Smart Data Center, Siruseri, Chennai	MEP: Onsite, Drawings, Equipment: VESDA System	04/8/2022	NPCI Smart Data Center, Siruseri, Chennai	Project Completion and Closeout Report, Site Visit – Ground Floor
19/7/2022	NPCI Smart Data Center, Siruseri, Chennai	SCC Study, Project Schedule, Site Visit – Second Floor	05/8/2022	NPCI Smart Data Center, Siruseri, Chennai	HVAC Duct Installation Checklist, Electrical Low-side TDS
20/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Project Quality Plan, OHSE Plan, Site Visit (Electrical study)	06/8/2022	NPCI Smart Data Center, Siruseri, Chennai	Cause and Effect Analysis, Document Collection
21/7/2022	NPCI Smart Data Center, Siruseri, Chennai	RACI and RASI Matrix, Minutes of Meeting, Agenda of Meeting	08/8/2022	Shriram Park 63, Phase 2 Perungalathur, Chennai	Project Introduction, Daily Progress Report
22/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Kick of Meeting, Compliances of Unsafe Stacking	09/8/2022	Shriram Park 63, Phase 2 Perungalathur, Chennai	OHSE, Quality Plan: Onsite Execution
23/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Method Statement for Civil Works Site Visit – Terrace Floor	10/8/2022	Shriram Park 63, Phase 2 Perungalathur, Chennai	Mivan Formwork, DPR, Rain log, Formwork Checklist
25/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Contractor Deliverables: DPR, WPR,MPR	11/8/2022	Shriram Park 63, Phase 2 Perungalathur, Chennai	Floor Plans, Site Logistic Plan, Coordination –MEP, Agenda
26/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Delay Analysis: NPCI, Request for Information(RFI)	12/8/2022	Shriram Park 63, Phase 2 Perungalathur, Chennai	Procurement Schedule, Design Review Meeting
27/7/2022	NPCI Smart Data Center, Siruseri, Chennai	Risk Management, Vendor Pre-Qualification and Selection	13/8/2022	Shriram Park 63, Phase 2 Perungalathur, Chennai	Earned Value Management, Site Visit, Document Collection

Chief Architect Signature:



Office seal:



EXPERIENCE CERTIFICATE

CBRE South Asia Pvt. Ltd

CBRE

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To,
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Chennai-600 119, Tamil Nadu

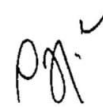
Sub: Completion letter for professional training reg.

Respected Sir / Madam,

This is to certify that A.Madhumitha (41840008), student of 3rd Semester Master in Architecture in Building Management at Sathyabama University, has successfully completed her internship (From 11th July, 2022 to 13th August, 2022) at our company.
During the period of training she was found punctual, hardworking, responsible and inquisitive.
We wish her all success in her future endeavours.

Thanking You

For CBRE South Asia Pvt Ltd

Vijay Chengalvarayan
Director

Regd. Office: PTI Building, Ground Floor, 4 Parliament Street, New Delhi 110 001, India T 91 1142390200

F 91 11 23317670

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1. ABOUT THE ORGANIZATION

1.1 GENERAL

500	100+	105K	90+	
Offices	Countries	People	Of Fortune 100 Clients	Logo

1.2 ORGANIZATION OBJECTIVES

- Establish and maintain the leading position in every major world city.
- Establish and maintain the leading position in each service we provide.
- Maintain the most admired, highest quality brand.
- Recruit, hire and retain the finest people in our industry.
- Foster and maintain a culture of integrity, excellence and continuous improvement.
- Lead the industry in revenue and profit growth and retain the industry's highest operating margins.

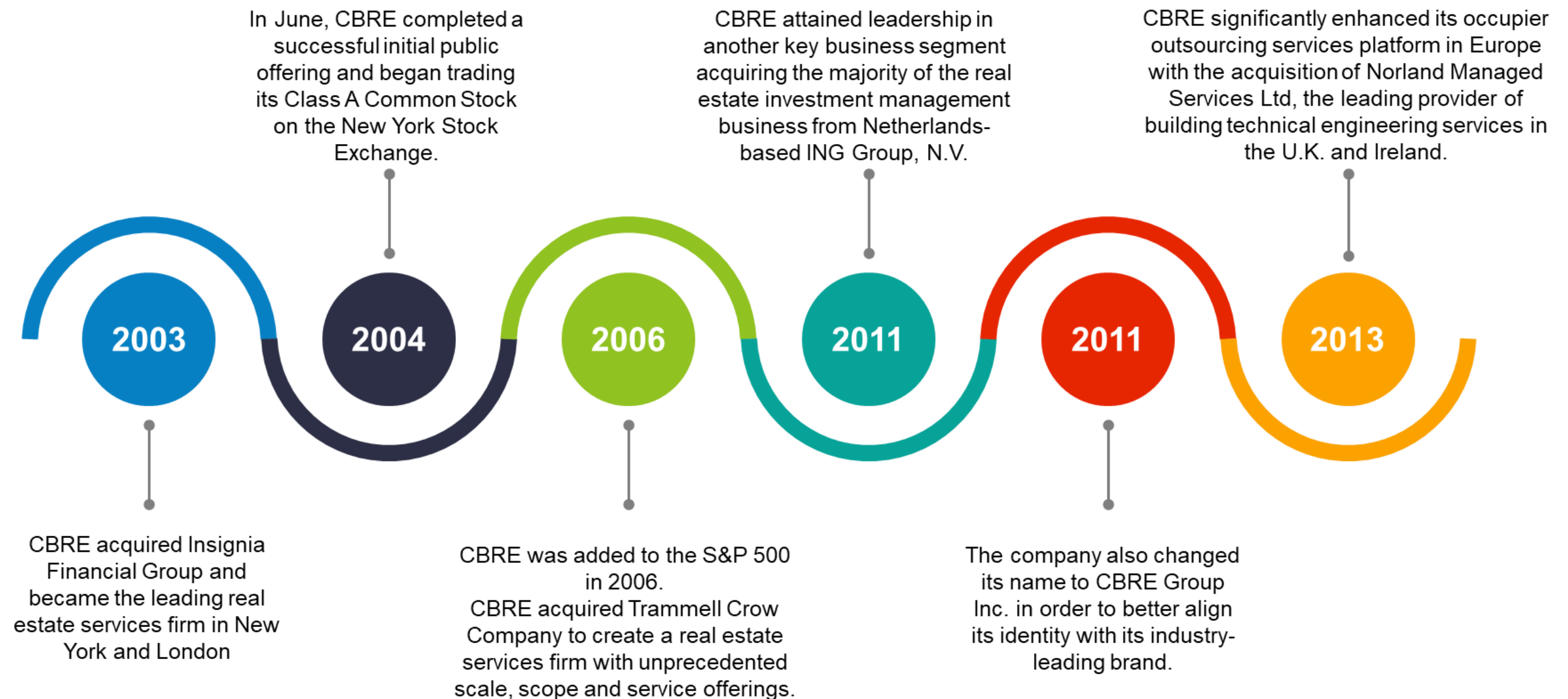
1.3 ORGANIZATION HISTORY

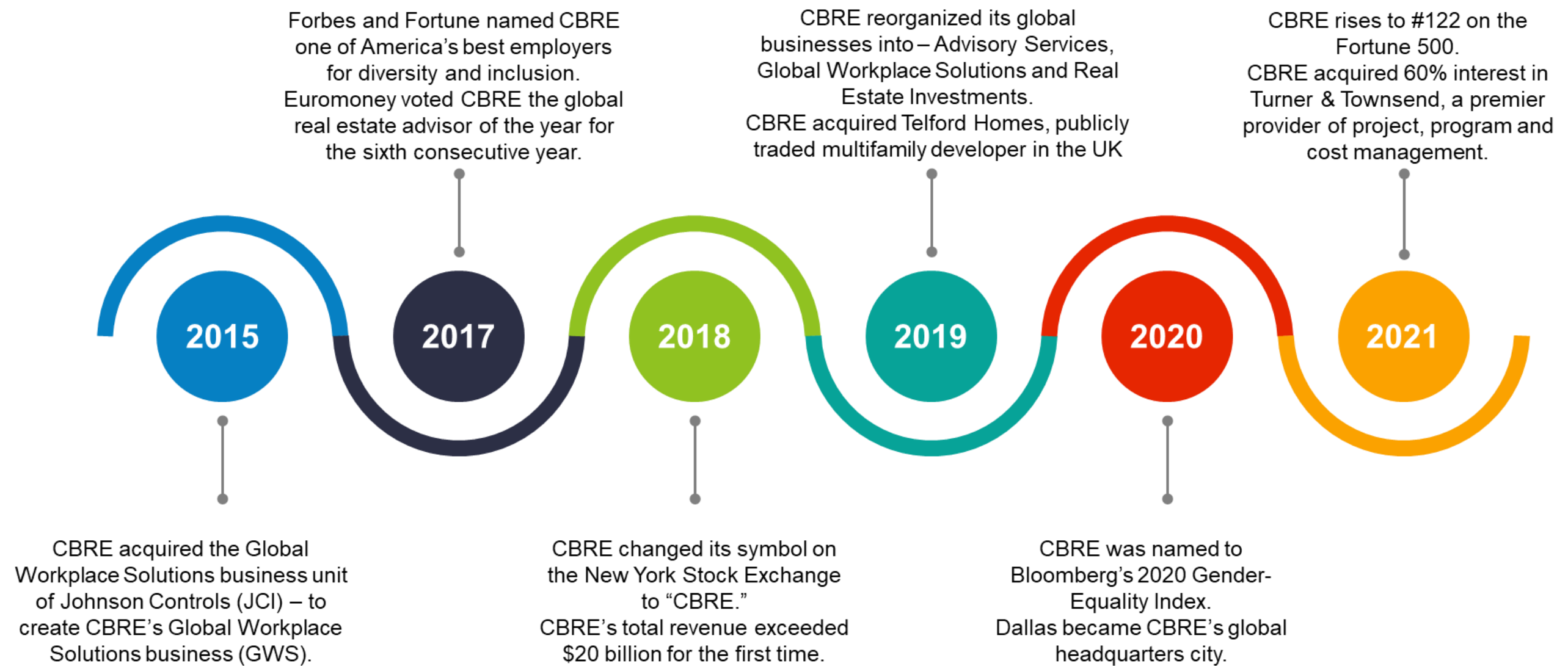
The firm that is now CBRE traces its roots to San Francisco in 1906. By the 1940s, that firm grew to become one of the largest commercial real estate services companies in the western United States. In the 1960s and 1970s, the company went public and expanded both its service portfolio and geographic coverage to become a full-service provider with a growing presence throughout the United States. In the 1980s, the firm was owned by Sears, Roebuck.

The next major milestone occurred in 1989 when employees and others acquired the company's operations from Sears to form CB Commercial. Throughout the 1990s, CB Commercial moved aggressively to accelerate growth and cultivate global capabilities to meet client demands. The company acquired leading firms in investment management, mortgage banking and property and corporate facilities

management, as well as capital markets and investment management (Koll Real Estate Services, 1997). CB Commercial achieved significant global expansion with the 1998 acquisition of REI Limited, the international arm of Richard Ellis, which traces its roots to London in 1773. At this time, the company changed its name to CB Richard Ellis, or CBRE.

Soon thereafter, CBRE announced the acquisition of London-based Hillier Parker May & Rowden, one of the top property services firms operating in the United Kingdom. With this development, CBRE became the first real estate services firm with a platform to deliver integrated real estate services—through one commonly owned, commonly managed company—across the world’s major business capitals.





1.4 ORGANIZATION MISSION

Their mission is to realize the potential of clients, professionals and partners by building the real estate solutions of the future. From instilling confidence in today's decisions to re-imagining tomorrow's spaces, they thrive in complex and ever-changing environments. With deep market knowledge, superior data and proprietary technology, their multi-dimensional perspective helps us use real estate to transform our business and find greater success.

1.5 ORGANIZATION VISION

Their vision is to be the preeminent, vertically integrated, globally capable commercial real estate service firm and to deliver superior outcomes for occupiers, residents and the communities in which they build. They aim to deliver market-leading financial returns to their investment partners. They attract and retain top talent by upholding an entrepreneurial and have a rewarding work environment.

1.6 GLOBAL MARKET LEADER

Leading global brand

- **100+** years
- **400+** offices in over 60 countries¹
- **#1** in virtually every major global business center

Broad capabilities

- **#1** leasing, investment sales and outsourcing
- **#1** appraisal and valuation
- **#1** commercial mortgage brokerage
- **#1** commercial real estate investment management²
- **\$6.6** billion of development projects in process/pipeline³

Scale and diversity

- **1.7x** nearest competitor⁴
- Thousands of clients; nearly 80% of the Fortune 100
- **\$128.1 billion** of transaction activity in 2010

Recognized leadership

- **S&P 500** Only commercial real estate services company in the S&P 500
- **FORTUNE** Only commercial real estate services company in the Fortune 500
- **The Lipsey Company** #1 brand for ten consecutive years
- **IAOP** #1 real estate outsourcing firm
- **Newsweek** #1 real estate company in “green” rankings

1.7 ORGANIZATION VALUES

01 Respect

- We act with consideration for others' ideas and share information openly to inspire trust and encourage collaboration.

02 Integrity

- No one individual, no one deal, no one client, is bigger than our commitment to our company and what we stand for.

03 Service

- We approach our clients' challenges with enthusiasm and diligence, building long-term relationships by connecting the right people, capital and opportunities.

04 Excellence

- We focus relentlessly on creating winning outcomes for our clients, employees and shareholders.

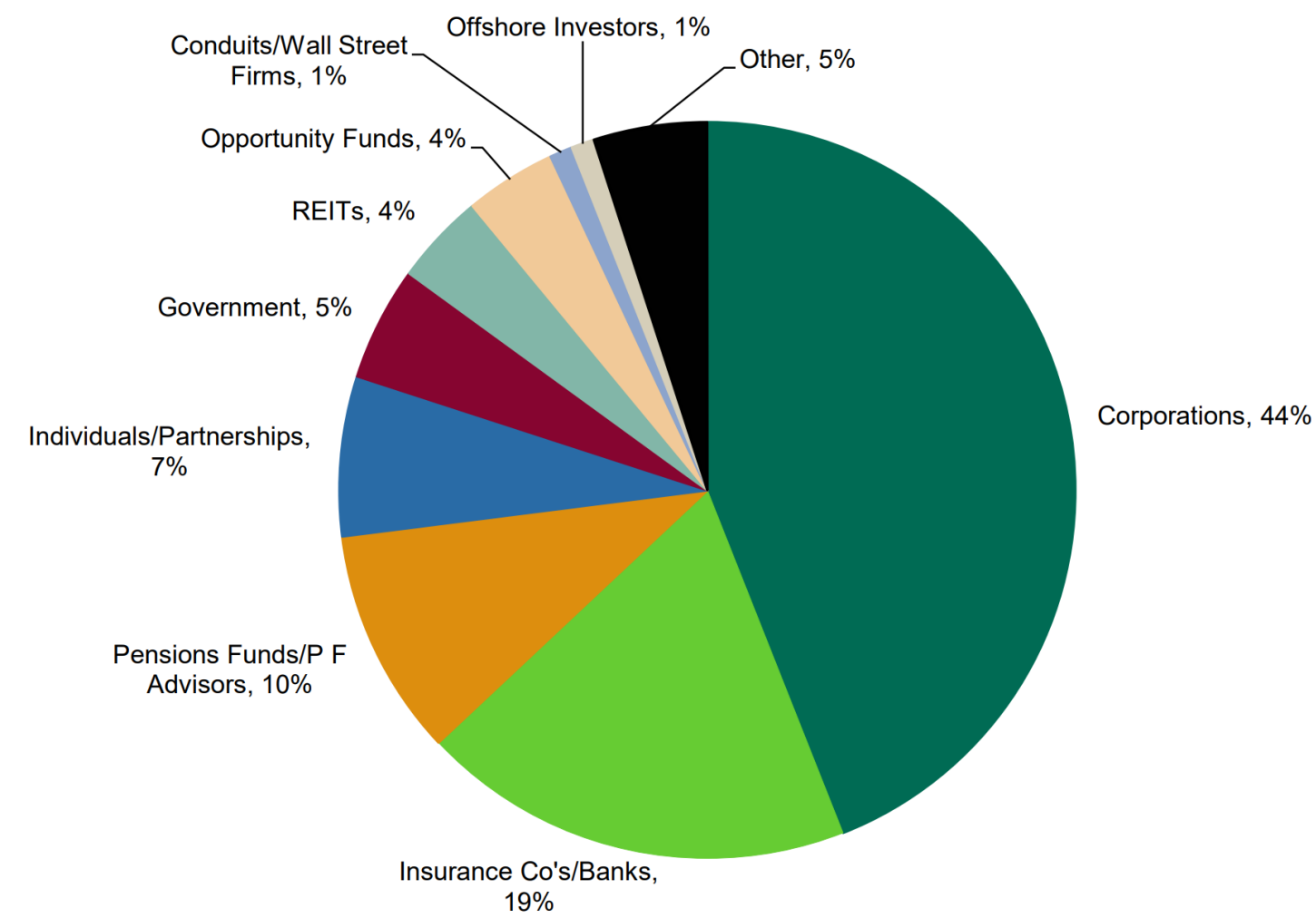
1.8 ORGANIZATION STRATEGIES

Provide a complete suite of market leading services to property owners and occupiers through a fully integrated global business platform and a managed account strategy.



1.9 PROJECTS AND CLIENTS

Property types		
Office	Affordable Housing	Healthcare and life science
Retail	Aerospace and Aviation	Self Storage
Industrial & Logistics	Corporate Capital Markets	Manufactured Housing and RV
Multifamily	Data Center	Mixed Use and Net Lease
Hotels	Gaming	Parking
Senior Housing	Golf & Resort	Public Institutions



1.10 AWARDS



1.11 REASONS FOR CHOOSING THE ORGANIZATION

- Provides multi-dimensional expertise across all aspects of commercial real estate and the best working culture with good facilities
- Provides open scope to learn in various verticals and a lot of exposure to learn new things
- To get practical insight about how various large scale projects are managed throughout the project lifecycle
- To implement the software knowledge in the practical field and gain more knowledge and contacts.

2. NPCI SMART DATA CENTER, SIRUSERI

2.1 ABOUT THE PROJECT

Name of the project	NPCI Smart Data Center
Location	Siruseri, Chennai - 601103
Total built-up area	1,35,000 sqft
Land area	3.07 Acres
Project completion period	24 months (Pre-construction 6 months + Construction & Execution 18 months)
Agreed start date as per PO	05-Aug-2019
Approved budget	172.09 Cr incl 1 yr O&M 4 years AMC
Tier IV certification	M/s Uptime Institute
Green building	M/s Earthonomic Engineers Pvt. Ltd.
Liaisoning	M/s Rohini Management Consultancy



Client



Construction Manager



Architects



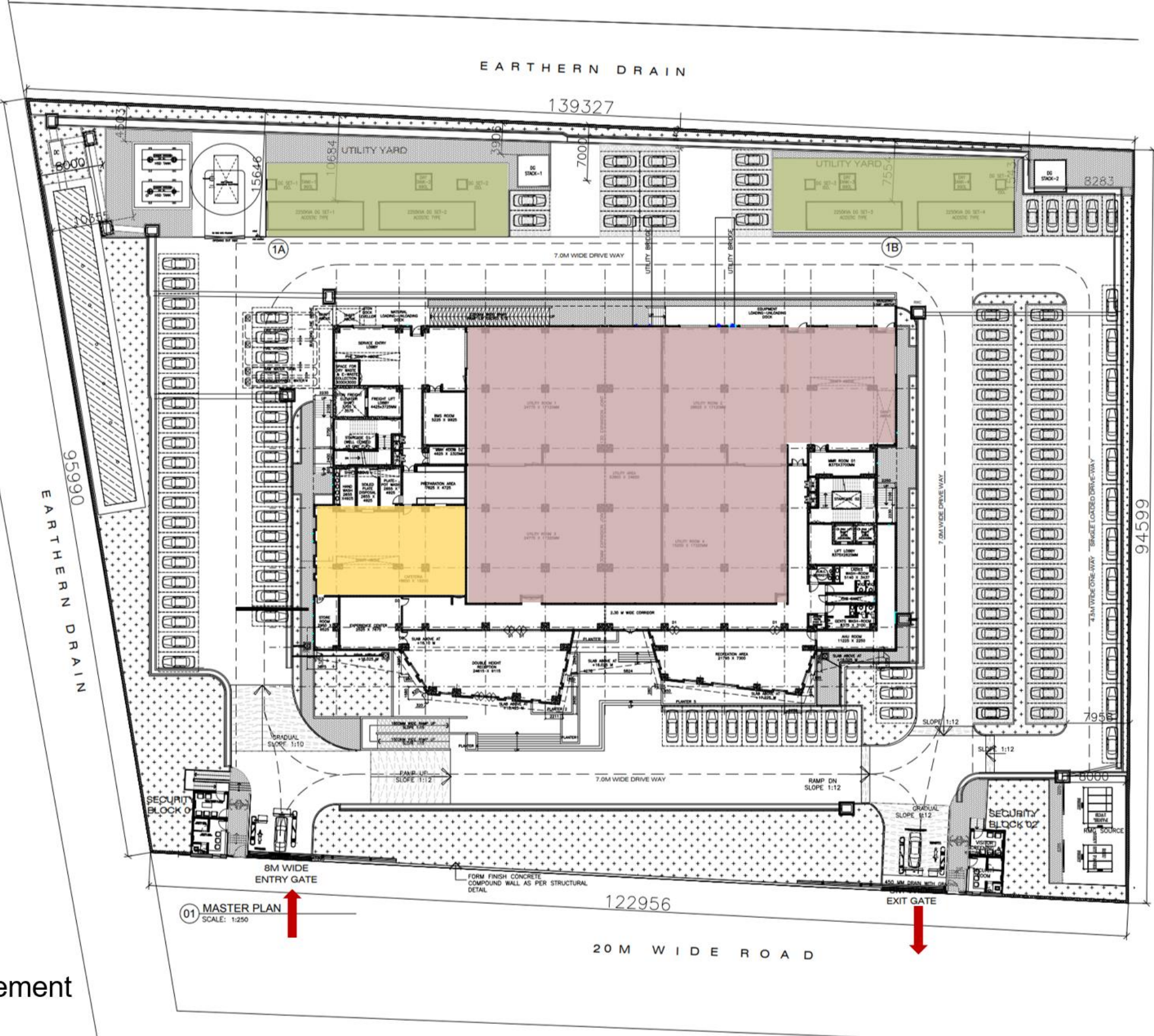
Contractor



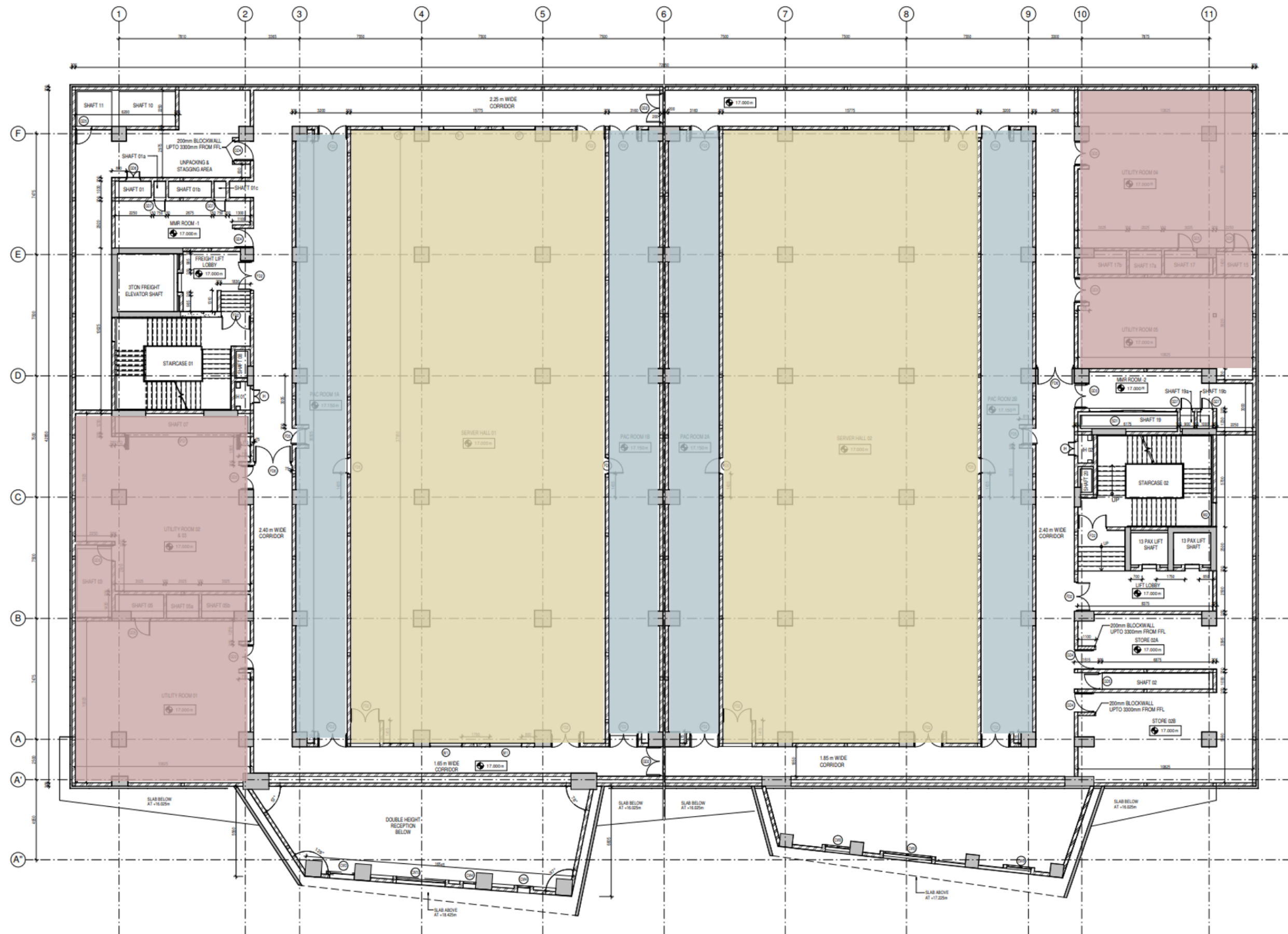
**Structural and
service consultant**

2.2 MASTER PLAN

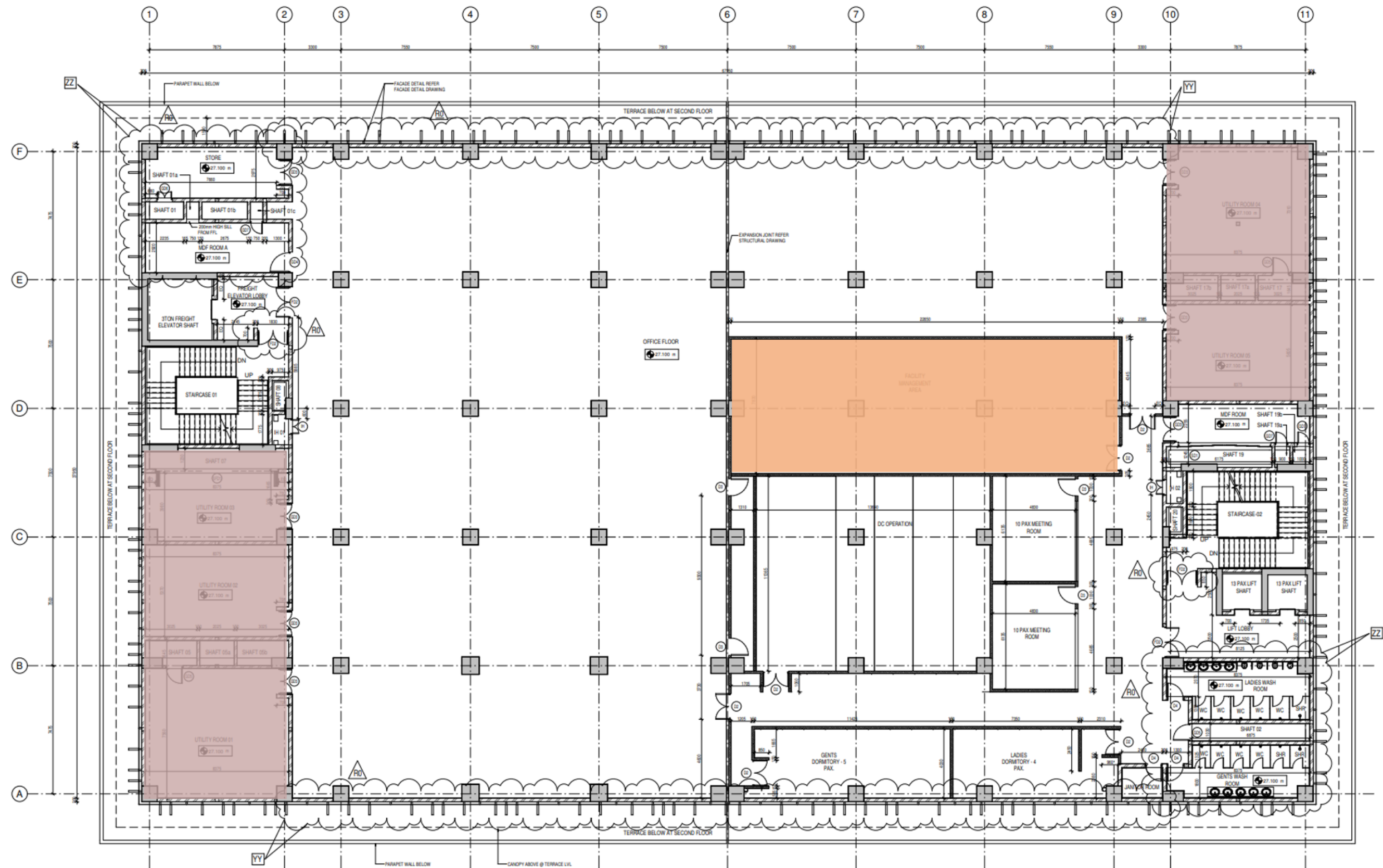
- Utility room
- Utility yard
- Server hall
- PAC room
- Cafeteria
- Facility management



2.3 FIRST FLOOR PLAN



2.4 THIRD FLOOR PLAN



2.5 SITE PHOTOS



2.6 SNAG – FIRST FLOOR CORRIDOR

S.No	Package	Vendor	Raised by	Raised on	Building/Floor/ Area	Location	Snag Point/ Pending Works	Target Completion	Status	Actual Completion	Remarks
1	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	False flooring alignment pending	16-Jul-22	O		
2	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	False flooring edge binding pending	16-Jul-22	O		
3	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	False ceiling Alignment pending	16-Jul-22	O		
4	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	mantrap above ceiling pending	16-Jul-22	O		
5	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	North east corner above ceiling opening need to close	16-Jul-22	O		
6	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	False flooring rust need to remove	16-Jul-22	O		
7	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	False flooring below white wash finishing not done properly	16-Jul-22	O		
8	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Mantrap around epoxy finishing need to done properly	16-Jul-22	O		
9	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Mantrap around glass frame gape need to fill	16-Jul-22	O		
10	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	North and South wall crock need to rectify	16-Jul-22	O		
11	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Ceiling above unwanted MS angel need to remove	16-Jul-22	O		
12	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Fire rated window frame damage painting need to rectify	16-Jul-22	O		
13	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Around fire rated window finishing need to done properly	16-Jul-22	O		
14	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Missed wall angle need to fix	16-Jul-22	O		
15	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	MEP services around finishing not done properly	16-Jul-22	O		
16	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	PAHU 1b entrance below false flooring plastering not done properly	16-Jul-22	O		
17	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Damage false flooring tile to be replace	16-Jul-22	O		
18	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	passage middle door above opening need to close properly	16-Jul-22	O		
19	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Skirting level pop finishing not done properly	16-Jul-22	O		
20	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Missed anchor fastener need to fix	16-Jul-22	O		
21	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Expansion joint around finishing not done properly	16-Jul-22	O		
22	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Door painting need to done properly	16-Jul-22	O		
23	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Wall painting need to done properly	16-Jul-22	O		
24	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	False ceiling above cleaning need to done properly	16-Jul-22	O		

25	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	Wall angle above painting need to clean properly	16-Jul-22	O		
26	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -North Side	North wall opening closing pending	16-Jul-22	O		
27	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	False flooring alignment pending	16-Jul-22	O		
28	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	False flooring edge binding pending	16-Jul-22	O		
29	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	False ceiling Alignment pending	16-Jul-22	O		
30	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	False flooring rust need to remove	16-Jul-22	O		
31	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	False flooring below white wash finishing not done properly	16-Jul-22	O		
32	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	wall crock need to rectify	16-Jul-22	O		
33	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	Ceiling above unwanted MS angel need to remove	16-Jul-22	O		
34	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	Ceiling support binding wire need to remove and do as per approved GI wire	16-Jul-22	O		
35	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	Missed butterfly clips need to fix	16-Jul-22	O		
36	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	MEP services around finishing not done properly	16-Jul-22	O		
37	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	Damage false flooring tile to be replace	16-Jul-22	O		
38	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	Missed anchor fastener need to fix	16-Jul-22	O		
39	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	Expansion joint around finishing not done properly	16-Jul-22	O		
40	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	Door painting need to done properly	16-Jul-22	O		
41	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	Wall painting need to done properly	16-Jul-22	O		
42	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	False ceiling above cleaning need to done properly	16-Jul-22	O		
43	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	Wall angle above painting need to clean properly	16-Jul-22	O		
44	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	MMR room 2 panel Above false ceiling tile need to replace	16-Jul-22	O		
45	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	Middle door above finishing not done properly	16-Jul-22	O		
46	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	Gypsum panelling painting pending	16-Jul-22	O		
47	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	Gypsum panelling Above closing pending	16-Jul-22	O		
48	Civil	L&T	CBRE	11-Jul-22	1F	Corridor -West Side	False flooring below cleaning need to done properly	16-Jul-22	O		



False flooring dampness



False ceiling alignment



Ceiling support binding wire
- GI wire to be provided



False flooring below whitewash



Mantrap glass frame gap



Mantrap above ceiling

Project Closure Report

31-Jul-2022

First Floor – Corridor

Snag points

Status	
C	Closed
O	Open
RNP	Repair Not Possible

		Civil	MEP
Total	448	92	356
C	192	0	192
O	256	92	164
RNP	0	0	0

2.7 DESNAG – GROUND FLOOR CAFETERIA

Project Closure Report
31-Jul-22
Ground Floor - Cafeteria

Status	Total	77
	C	48
	O	29
	RNP	0

S.No	Package	Vendor	Raised by	Raised on	Building/Floor /Area	Location	Snag Point/ Pending Works	Target Completion	Status	Actual Completion	Remarks
1	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Fire door scratches need to rectify (2 doors)	01-Jun-22	O		
2	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Around Door frame finishing need to done properly (2 Doors)	01-Jun-22	C	21-06-2022	
3	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Switch box around finishing not done properly	01-Jun-22	C	21-06-2022	
4	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	North side Door above Gypsum ceiling extra ceiling angle need to remove	01-Jun-22	C		
5	Civil	LGT	CBRE	26-May-22	Ground Floor	Cafeteria	Baffle ceiling alignment need to done properly	01-Jun-22	O		
6	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Trap door inner side painting not done.	01-Jun-22	C		
7	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Trap door Edge finishing not done.	01-Jun-22	O		
8	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Microwave counter Corian top finish need to done as per approved drawing	01-Jun-22	O		
9	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Microwave counter final finishing need to done properly	01-Jun-22	O		
10	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Microwave counter rusted Hinges need to replace	01-Jun-22	C		
11	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Microwave counter shelf fixing pending	01-Jun-22	C		
12	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Granite counter around finishing need to done properly	01-Jun-22	C		
13	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Wall painting need to done properly	01-Jun-22	C	25-07-2022	
14	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Display storage wall painting pending	01-Jun-22	C	21-06-2022	
15	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Display storage rusted hinges need to replace	01-Jun-22	C	21-06-2022	
16	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Display storage shelf pending	01-Jun-22	C	18-06-2022	
17	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Display storage damage laminate need to replace	01-Jun-22	O		
18	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Dining table edge binding need to fix properly	01-Jun-22	C	25-07-2022	
19	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Chair bottom paint scratches need to rectify	01-Jun-22	C	25-07-2022	
20	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	10m table below Ss not fixed properly	01-Jun-22	O		
21	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	10M table plywood painting pending	01-Jun-22	C		
22	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Wall painting need to done properly	01-Jun-22	C	25-07-2022	
23	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Column painting not done properly	01-Jun-22	C	21-06-2022	
24	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Gypsum vertical crock need to rectify	01-Jun-22	C	10-06-2022	
25	Civil	L&T	CBRE	26-May-22	Ground Floor	Cafeteria	Wall crock need to rectify	01-Jun-22	C	22-06-2022	
26	Civil	L&T	CBRE	27-May-22	Ground Floor	Cafeteria	Gray and white paint joint need to paint properly	01-Jun-22	O		
27	Civil	L&T	CBRE	28-May-22	Ground Floor	Cafeteria	Microwave counter side laminate not fixed properly	01-Jun-22	O		
28	Civil	L&T	CBRE	29-May-22	Ground Floor	Cafeteria	Planter box damage laminate need to replace	01-Jun-22	O		
29	Civil	L&T	CBRE	30-May-22	Ground Floor	Cafeteria	Skirting and wall groove need to done properly	01-Jun-22	C	25-07-2022	
30	Civil	L&T	CBRE	31-May-22	Ground Floor	Cafeteria	Damaged tiles to be replace	01-Jun-22	O		
31	Civil	L&T	CBRE	01-Jun-22	Ground Floor	Cafeteria	10m counter Corian final finishing need done	01-Jun-22	O		
32	Civil	L&T	CBRE	02-Jun-22	Ground Floor	Cafeteria	Glazing Around Finishing need to done properly	01-Jun-22	O		
33	Civil	L&T	CBRE	03-Jun-22	Ground Floor	Cafeteria	Glazing Windows silicon need done properly	01-Jun-22	O		
34	Civil	L&T	CBRE	04-Jun-22	Ground Floor	Cafeteria	Wooden door groove need to done properly	01-Jun-22	C	25-07-2022	
35	Civil	L&T	CBRE	05-Jun-22	Ground Floor	Cafeteria	Display counter right angle need check and rectify	01-Jun-22	O		
36	Civil	L&T	CBRE	06-Jun-22	Ground Floor	Cafeteria	Wooden door above conduct area civil finishing need to done properly	01-Jun-22	C	21-06-2022	
37	Civil	L&T	CBRE	07-Jun-22	Ground Floor	Cafeteria	10m Table Ss leg cleaning need to done properly	01-Jun-22	O		
38	Civil	L&T	CBRE	08-Jun-22	Ground Floor	Cafeteria	Trap door area gypsum vertical top finishing need to do properly	01-Jun-22	O		
39	Civil	L&T	CBRE	09-Jun-22	Ground Floor	Cafeteria	True ceiling painting need to done properly	01-Jun-22	C	25-07-2022	
40	Civil	L&T	CBRE	10-Jun-22	Ground Floor	Cafeteria	Door stopper fixing pending	01-Jun-22	C		

2.8 AGENDA AND MINUTES OF MEETING



Agenda

Project: NPCI- Smart Data Center **Location: Chennai & Hyderabad**

NPCI Smart Data Centre – NPCI -CBRE weekly meeting

Venue: Video Conference **Date: 19.01.22** **Time: 11:30 Am to 12:30 Pm**

Attendees Required:

Client	M/s NPCI	Mr. Pankaj, Mr. Amritraj, Mr. Deepak, Mr. Rajavel, Mr. Sai Manikanda, Mr. Srinivasalu, Mr. Sathish, Mr. Muthukrishnan,
Project Manager	M/s CBRE South Asia Pvt Ltd.	Mr. Pinto, Mr. Parthiban, Mr.Kodhandapani, Mr. Ilayaraja, Mr. Leo, Mr.Chakravarathy, Ms. Vinodha, Mr. Karma, Mr. Shahnawaz, Mr. Arjun,Mr.Suresh

S. No.	Discussion Points	Action By	Target Date
1.	L&T EOT response - Closed	NPCI / CBRE	
2.	Culvert Approval - Technical & Commercial approval shared with L&T Final Commercial order for Culvert works	NPCI	02-Dec-21
3.	Texture Paint Conclusion - CHN & HYD - Closed	NPCI / CBRE	
4.	ISAT Script	CBRE - ICS	CBRE - 10-Dec-21
5.	First floor Data center BBT tapoff box bottom and the top of the Rack section	NPCI/ CBRE	
6.	Shaft Door - Confirmation	NPCI / CBRE	
7.	HDD for Hyderabad 33Kv Cable	NPCI	31-Dec-21
8.	Completion certificate process for DTCP - Chennai & ECBC - Hyd, HMDA OC CEIG Certification	NPCI / CBRE	
9.	RFC confirmation from L&T for 2 nd & 3 rd Floor Modification	NPCI / CBRE	Hyd- 04-Dec-21 CHN - 15-Dec-21
10.	DG Structure Slab Costing	CBRE / NPCI	15-Dec-21
11.	Misc. Points if any.	CBRE / NPCI	

Format No. D002C-AgP-Fr-002C/Rev0/Sept2016



Minutes of Meeting

Project: NPCI- Smart Data Center **Location: Chennai & Hyderabad**

NPCI Smart Data Centre Build- NPCI Approval Status #086

ATTENDEES:

Client	M/s NPCI	Mr. Pankaj, Mr. Amritraj Charles, Mr.Deepak, Mr. Sathish, Mr. Muthu, Mr. Rajavel
Project Manager	M/s CBRE South Asia Pvt Ltd	Mr. Pinto, Mr. Parthiban, Mr. Chakravarthy, Mr.Kothandapani, Mr. Ilayaraja, Mr. Leo, Ms. Vinodha, Mr. Karma, Mr. Arjun,

CURRENT MEETING:

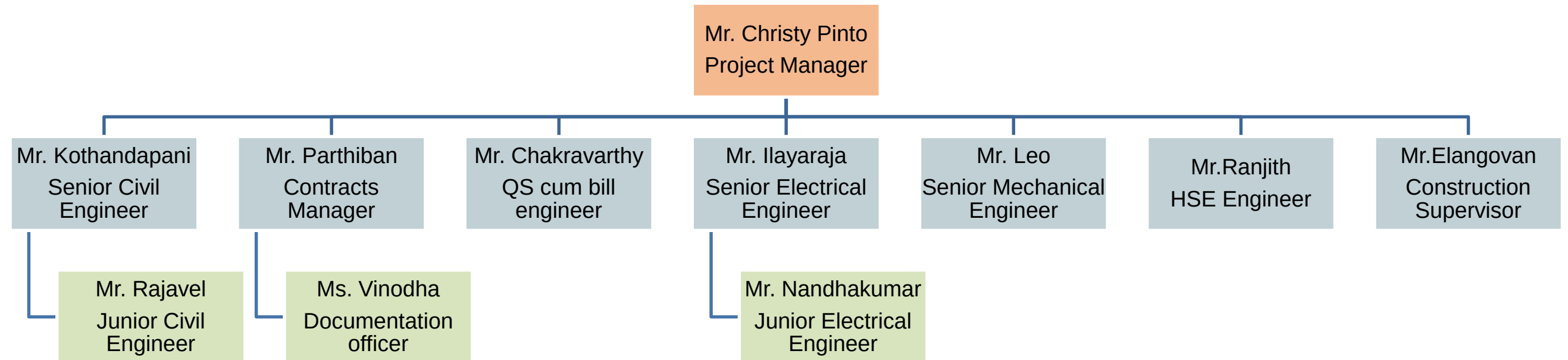
	Scheduled	Actual
Venue:	Video Conference	Video Conference
Date:	19-01-2022	19-01-2022
Time:	01:00pm to 02:00Pm	01:00Pm to 02:30Pm

Next meeting Scheduled on: 26.01.22

MOM Recorded by: Parthiban. R

S. No.	Agenda	Discussion / Decision	Action By	Target Date
PENDING POINTS TILL LAST MEETING # 68				
1.	DG Structure Slab Costing - Chn & Hyd	CBRE CHN team asked to share the L&T's Hyd proposal for review and comparison L&T yet to submit the quote for DG structure, NPCI instructed to Follow Keenly with L&T, CBRE replied most probably today (02-Dec-21) the Quote will be shared by L&T. L&T not yet submitted the quote for DG structure Roof slab, for commercial comparison we have collected quotes from other vendors too, NPCI suggested for a RA (reverse auction method). L&T not yet submitted the quote for DG structure Roof slab , NPCI informed that, the Reverse auction to be started soon.	CBRE	01-Sep-21 15-Sep-21 22-Sep-21 23-Oct-21 10-Nov-21 15-Nov-21 24-Nov-21 02-Dec-21 15-Dec-21
2.	ISAT Script	NPCI asked to share the General Script for a preliminary requirement. L&T will share the ISAT script by today 24-Nov-21, as they committed in last week - for DG L4 script submitted by L&T and Equipment wise subsequently will be shared by L&T, NPCI asked to submit L5 script also For HYD L&T committed to share the script by 5 th - Dec'21 CBRE will share the Project specific ISAT script by First week of Dec'21 10-Dec'21 CBRE Testing & Commissioning team reports at site from yesterday 01-Dec-21	L&T	L&T 24-Nov-21 CBRE 07-Dec-21 21-10-Dec-21

2.9 ROLES AND RESPONSIBILITIES



NAME	ROLE	RESPONSIBILITY IN THE PROJECT
Mr. Christy Pinto	Project Manager	- MEP Design coordination and RFI clarification - First level escalation to the client - Liaise on all strategic coordination matters and report to client - Management of site execution team and track contractor deliverables as per project Schedule - Monitor project performance based on time cost and quality
Mr. Kothandapani	Senior Civil Engineer	- Assist Project Manager in civil and structural aspects - Review of drawings and support team in raising queries (RFI) in design aspects - Review of technical datasheets, shop drawing wrt architectural layout - Ensuring Quality management in civil & structural aspects - Maintain the Quality checklists, Pour cards, coordinating with contractors for day to day site activities
Mr. Parthiban	Contracts Manager	- Responsible for obtaining all legal documents, validating and contractual letters for the project - Maintaining the documents in a register and tracking them for their validity - Ensuring contractor progress and performance without deviating contractual terms and condition - Contractual notes/letter preparation and upon approval sharing with client/contractor - Receiving the bills from vendor and scrutinize them - Periodic quantity take-off ahead of progress for parallel verification of bills against GFC - Conducting weekly meeting with architect, establishing record and maintaining it (Mail, MOM, Approvals) - Manage bid, Evaluate contractor's vendor credentials for high side item & support client for confirmation

Mr.Chakravarthy	QS cum bill engineer	• Any project progress follow up in daily, weekly monthly will be tracked and mailed to vendor • Follow up with L&T, Client on their deliverables and approvals respectively. Trackers for the same to be shared with respective stakeholders • Receiving the Architect and consultant bills from client and scrutinize them • Cash flow preparation and updating the same on monthly basis for the project • CBRE payment related works to be initiated, receive approval and Payment tracker for all stakeholders to be maintained • Raising, Coordinating, responding with consultants for RFIs • Conducting weekly meeting with architect, establishing record and maintaining it • Tracking contractor on procurement aspects
Mr.Ilayaraja	Senior Electrical Engineer	• Assist Project Manager in Electrical/ELV aspects • Review of drawings and support team in raising queries (RFI) in design aspects • Ensuring Quality management in Electrical, ELV aspects • Maintain the progress check lists and coordinating with contractors for day to day site activities • Track delivery of materials impacting progress and reporting to Project Manager • Review of checklist and work method statements for Electrical/ELV packages • Review of MIR and supporting for invoice certification with progress of works completed/material delivered
Mr.Leo	Senior Mechanical Engineer	• Assist Project Manager in HVAC, FPS, PHE aspects • Review of drawings and support team in raising queries (RFI) in design aspects • Ensuring Quality management in HVAC, FPS and PHE aspects • Maintain the progress checklists and coordinating with contractors for day to day site activities • Track delivery of materials impacting progress and reporting to Project Manager • Review of checklist and work method statements for HVAC, PHE, FPS packages • Review of MIR and supporting for invoice certification with progress of works completed/material delivered
Mr.Rajavel	Junior Civil Engineer	• Support Senior Civil Engineer in all aspects with respect to Civil, structural and site related works and ensuring quality at site • Stand in supervision for designated construction activities • Responsible for work progress at night in case of any • Follow up on all site related contractor deliverables on a daily basis, on site supervision and coordination • Review of MIR and supporting for invoice certification with progress of works completed
Mr.Nandhakumar	Junior Electrical Engineer	• Support Senior MEP Team in all aspects with respect to MEP and site related works and stand in supervision • Responsible for work progress at night in case if any • Follow up on all site related contractor deliverables on a daily basis, on site supervision and coordination • Circulate, coordinate, closure of quality issues with vendor

Mr.Ranjith	HSE Engineer	• Responsible for auditing/inspecting standards as per OHSE guidelines & implementation at site • Advising and implementing safety procedures at site • Reviewing monthly OHSE statistics, monthly reports • Reviewing and monitoring Emergency evacuation mock drill & various safety activities/training conducting and Preparing inspection, audit and Walk down reports • Conducting Safety Committee meeting & circulating MOM • Implementing work permit & checklist systems • Verifying OHSE records of individual team members once in a fortnight • The measurement of OHSE performance as per OHSE KPI • Attending all OHSE related meetings, trainings drills, awareness programs carried out in their respective projects
Ms.Vinodha	Documentation officer	• Control over the Documents of Principle contractors in terms of Construction Quality and Safety Documents • Maintaining Drawing Register Shop drawing Tracker, Delay Log, RFI register, Risk register, Monthly Weekly and Daily Progress Report, NCR Register • Maintaining and verifying contractor's reports such as DPR, Weekly Report and Monthly Reports • Prepare agenda for Weekly Progress Meeting and Minutes of Meeting for every week • Maintaining Hard Copy and Soft Copy of GFC Drawings • Preparing and sharing Project status report to client and supporting client on report preparation • GFC and Shop drawing revision and management
Mr.Elangovan	Construction Supervisor	• Support Senior & Junior Civil Engineer in all aspects with respect to Civil, structural and site related works • Stand in supervision for designated construction activities at night • Follow up on all site related contractor deliverables on a daily basis, on site supervision and coordination

Common role:

- Regular upload of all unsafe observations in OI App
- Monitoring OHSE activities at Site
- Review and ensuring correctness of functionality test at site

2.10 MASTER LIST OF DOCUMENTS

SI No.	Documents Title	Location	No. of Folders	File Type	Remarks
1	Meeting Attendance	3F	1	FF	Hard Copies
2	Transmittals issued	3F	1	BF	Hard Copies
3	Transmittals Received	3F	1	BF	Hard Copies
4	PEP	3F	1	FF	Hard Copies
5	Value Add initiative & Master Schedule-Signed off	3F	1	FF	Hard Copies
6	Signed off Shop Drawings	3F	1	FF	Hard Copies
7	Non-Conformity Closures	3F	2	BF	Hard Copies
8	Site Notes Closure	3F	1	BF	Hard Copies
9	Third Party Test Report	3F	1	BF	Hard Copies
10	ITP	3F	1	FF	Hard Copies
11	Calibration Certificates	3F	1	FF	Hard Copies
12	Method Statements	3F	2	SB & FF	Hard Copies
13	Ancillary Building checklist	3F	1	BF	Hard Copies
14	Compound Wall- Pile Cap RCC checklist	3F	1	BF	Hard Copies
15	Rainwater harvesting, Utility Yard- Pile Installation	3F	1	BF	Hard Copies
16	Pile Cap, Retaining Wall checklist	3F	1	BF	Hard Copies
17	Finishing inspection checklist-1	3F	1	BF	Hard Copies- With L&T for updation
18	Finishing inspection checklist-2	3F	1	BF	Hard Copies
19	External road work	3F	1	BF	Hard Copies
20	Excavation Backfilling	3F	1	BF	Hard Copies
21	TDS- High Side- Files 1, 2, 3, 4	3F	4	BF	Hard copies - 1, 2 No. - Given to L&T for Spiral Binding
22	TDS- PHE	3F	4	SB	Hard Copies
23	TDS- HVAC- File 1, 2	3F	2	BF	Hard copies - 1 No.- Given to L&T for Spiral Binding
24	TDS- FPS	3F	1	BF	Hard Copies-Given to L&T for Spiral Binding
25	TDS- ELV. File 1,2,3,4,5,	3F	6	BF	Hard Copies
26	TDS- Electrical	3F	2	BF	Hard Copies
27	Architecture GFC. File- 1, 2, 3	3F	3	BF	Hard Copies
28	Structural GFCs	3F	As per Tracker	Separate Drawings	Hard Copies
29	MEP GFCs	3F	As per Tracker	Separate Drawings	Hard Copies
30	Shop Drawings- MEP-Electrical, PHE, HVAC, FPS, ELV,	3F	As per Tracker	Separate Drawings	Hard Copies
31	Superceed Drawings GFC, Shop drawings	3F	-	-	Hard Copies
32	Miscellaneous Documents	3F	-	-	Working sheets of the project for reference
The above documents maintained in NPCI- Smart Data Center Chennai, since Inception 22nd Mar'20 till 14th May'22 is being handed over to Mr. Parthiban for further maintenance in the project					
Handed over by:				Received by:	

FF – Flat file

BF – Box file

SB – Spiral binding

2.11 VENDOR PRE-QUALIFICATION

S.No.	COMPANY		DESCRIPTION	DOUMENTS TO BE ATTACHED
1	Trade			
2	Registered Name			
3	Registered Address			
4	Business Address			Certificate of Incorporation
5	Year of Company Registration/Formation			Copy of Proprietorship/Partnership/Deed/
6	Type of Firm			Memorandum/ MSME
7	Key Position Holder/ Principal/ Owner	Name, Designation, Mobile, Email		
8	Key Position Holder in <Name of City>	Name, Designation, Mobile, Email		
9	Turnover (details of last 3 audited years)		<Year> and Turnover in INR	Auditors certified Balance sheets PL statement CA report (Last 3 audited years)
			<Year> and Turnover in INR	
			<Year> and Turnover in INR	
10	Do you have any Workshop Facilities ? (If yes please provide the details)	Outside India		Registration Copy
		Pan India		
		Outsourced		Agreement Copy
11	Is there any Environmental/Safety Issues at any of your ongoing/ completed projects?			
12	Any Ongoing / Past Instance of Litigation?			
13	Quality Policy of Company			
	Do you have a QA/QC POLICY?			Signed Policy
	Do you have a QA/QC PLAN?			Signed Plan
	Do you have a QA/QC ORGANIZATION STRUCTURE?			Signed Copy
14	Do you have ISO Certification?			All relevant Certificates
15	Prior experience of working with CBRE?			
16	Staff strength			Organization Structure
	Key Position Holders			
	Engineering/Technica staff (Pan India)			
	Engineering/Technical staff <Name of City>			
	Other staff			MOU
17	Foreign Collaborators (If any)	PROJECT - 1,2,3,...		PO/WO Copy
18	Please list all ONGOING PROJECTS at (Name of City)	SIZE(sq. Ft.)		
		BILLING(Million INR)		
		PMC of the Project (if applicable)		
		Location:		
		Client Reference (Name & Contact):		
19	Please list top COMPLETED PROJECTS for evaluation (executed during last 2 years)	PROJECT - 1,2,3,...		PO/WO & Completion Certificate Copy
		SIZE(sq. Ft.)		
		BILLING(Million INR)		
		PMC of the Project (if applicable)		
		Project completion date		
		Client Reference (Name & Contact):		
20	Other business interests which adds value to trade			
21	If firm is related to anyone working in CBRE			
22	If firm has any cross holdings in other organization			
23	Infrastructure / Equipment / Machinery details			Registration Copy
24	PF / ESI details			Registration Certificate Copy
	PF Regn No,			
	GST Regn No.			
	ESI Reg No.			
25	PAN No.			Copy of PAN
26	Arbitration cases (Past and present)			
27	Solvency certificate from bankers			Solvency certificate
28	List any awards and recognitions			
29	Occupational Health, Safety and Environment (OHSE)			
	Do you have OHSE policy?			OHSE policy
	Do you have OHSE Organization structure?			OHSE Organization structure
	Are inspections conduted regularly?			
	Is annual review of implementation conducted?			MOM copy

2.12 RASI MATRIX

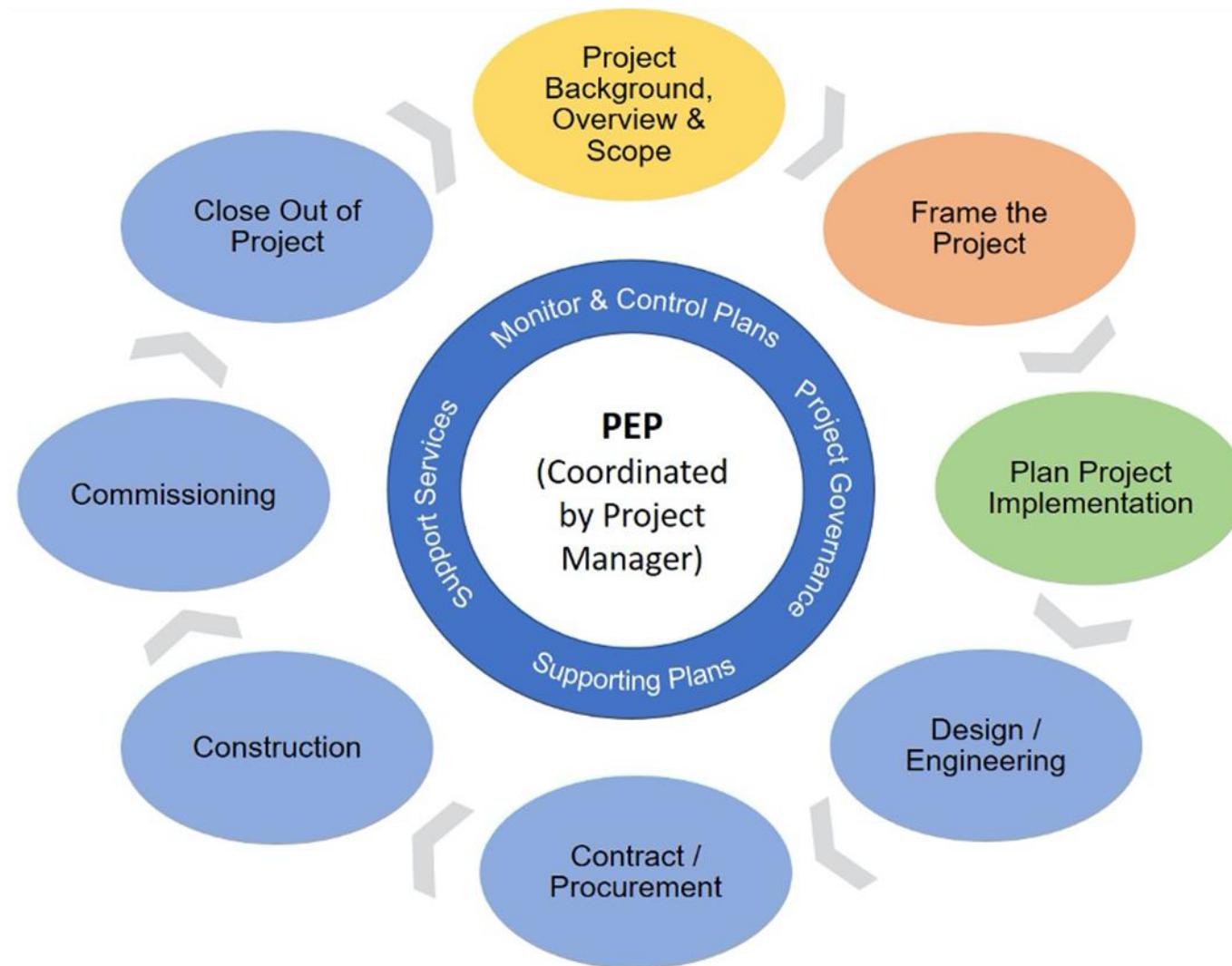
Activity	Client	PMC	A & EC
Project Communications			
Meetings - coordinate and convene	S	R	S
Progress Review meeting - Convene and conduct	S	R	S
Safety Committee meetings - Convene and conduct	R	R	I
MOM	I	R	I
Project Status Report	I	R	NA
Clarifications - initiating requests and coordinating	I	R	I
Clarifications - closing issues	A	R	R
Project Initiation			
Project Basics			
Project Brief	R	I	I
Schedule	A	R	I
Budget - Level 1	A	R	NA
Site Due Diligence	S	R	R
OHSE-Project Specific Plan & HIRA	A	R	I
PEP	A	R	I
Consultants- Hiring Architects/Engineering Consultants			
Pre-Qualification (PQ) Criteria, PQ formats and documentation required	A	R	NA
Executing PQ process	S	R	NA
LOI/PO/Agreement - Collation of documents, correspondence, MOMs etc	S	R	NA
LOI/PO/Agreement - Signing and Issuing	R	S	NA
Pre-Construction			
Design Management			
Concept -Initiation	A	S	R
Concept Approval	A	R	S
Schematic - Initiation	I	S	R
Schematic - Approval	A	R	S
Design Brief Report - Preparation	I	I	R
Design Brief Report - Approval	A	S	R
Design Coordination	I	R	R
Drawings - Tender, GFC, As Built preparation, providing required number of copies	I	S	R
Drawings Review	I	R	R
Drawings Approval	A	R	R
Statutory Approvals			
Appointing consultants	R	S	NA
Coordination with Government & Statutory bodies	R	NA	S
Technical documents for statutory approvals	R	S	R
Obtaining necessary approvals and Occupancy Certificate	R	NA	S
Cost and contract management			
Contract stratgey	A	R	I
EOI & Pre-Qualification (PQ) Criteria, PQ formats and documentation required	A	R	NA
Executing PQ process	I	R	I
GCC & SCC - Draft	I	R	NA
GCC & SCC - Approval	A	S	NA
Priced BOQ - Preparation	I	R	R
Proced BOQ - Approval	A	R	R
Budget - Level 2	A	R	NA
Budget - Level 3	A	R	NA
Vendor payment clarification	I	R	NA
Vendor payment release	R	I	NA
Payment and budget reconciliation	A	R	NA
Bid management			
Capital purchases			
Tender committee	A	R	NA
Technical specifications	A	S	R
Tender documents	A	R	S
Floating tenders	I	R	I
Bidder meetings	S	R	S
Bid receipt	R	S	I
Comparitive statements	A	R	I
Technical approvals	A	S	A
Commercial approvals	A	R	I
Building Related - Procurement of Steel, Cement, Sand Aggregate, RMC etc	A	R	S
Building Related . Procurement High Side Lifts, DGs, UPS, PAC, Chillers, etc.	A	R	S
IT Related - Procurement/installation of Networking active components	R	S	S
IT Related - Procurement/installation of Networking passive components	R	S	S
Interiors - Procurement/installation Carpets, Work Stations etc	A	R	S
Work contracts			
Building Related - civil works, sub structure super structure	A	R	S
Building Related civil finishes and Interiors	A	R	S

Contracts documentation			
LOI/PO/Agreement - Collation of documents, correspondence, MOMs etc	I	R	NA
LOI/PO/Agreement - Signing and Issuing	R	S	I
Maintaining Bank Gurantees, Statutory documents (Labor Licences, ESI, PF etc)	R	S	NA
Contractual notices	R	S	NA
Maintaining Records of Payments, Original Invoices Payment Certificates etc.	R	S	NA
Construction management			
Site preliminaries			
Storage space, Construction Power, water, borewells, Site security	A	S	NA
Site Survey, handing over of site to Vendors	R	S	NA
Site offices - Space allocation	A	S	NA
Kick-off meeting with vendors	I	R	I
Materials Management - Client Supplied Materials			
Factory acceptance tests	S	S	R/A
Stores Management - Receipt handling accounting, storage, issuing, documentation	R	S	NA
Reconciliation of material based on Joint Measurements/Client Approvals	A	R	I
Change management			
Justification for changes	A	S	R
Change Order Request (COR)	A	R	S
Placing Change Order (CO)	R	S	NA
Issues amendment order	R	S	NA
Quality monitoring			
Vendor's quality plan	I	R	A
Vendor's Method Statements	I	R	A
Vendor's shop drawings	I	R	A
Inspection of Materials at project site including sample materials	A	R	A
Acceptance of Quality of completed works	I	R	A
Acceptance of Quality tests at site	I	R	S
Periodic inspection of ongoing works and approval	S	R	R
Quality monitoring and reporting	I	R	I
Safety monitoring			
Vendor Safety plans - Review	R	R	NA
Vendor Safety plans - Approval	A	R	NA
Safety monitoring & reporting	I	R	NA
Penalties on nonperformance	A	R	NA
Progress monitoring			
Progress reporting	I	R	NA
Testing & Commissioning			
Vendor's Testing & Commissioning plan	I	R	A
Witnessing and certification of performance and conformity to design	I	S	A
Training client's Facilities Management Team	S	R	NA
De-Snagging			
Snag list	I	R	R
Inspection & acceptance of recitifed snags	A	R	R
Handing over & Move in			
Completion certificates	A	R	A
Assets and final punch list	I	R	I
Assets handing over and taking over	A	R	I
Move in	R	S	I
Post construction			
Vendor Final Payment certification	I	R	NA
Packages commercial closure	A	R	NA
Punch list closure	A	R	S
Documents handover	A	R	NA
Project closure			
Project commercial closure	A	R	NA
Close out report	A	R	NA

R	Responsible for initiating, coordinating & closing out
A	Responsible for Approving
S	Support, facilitate & coordinate
I	Information for records

2.13 PROJECT EXECUTION PLAN

A **Project Execution Plan (PEP)** is a governing document that defines how a project is to be executed, monitored, and controlled. It establishes exactly how the project execution phase of the project will be managed to meet the requirements of the project or contract.

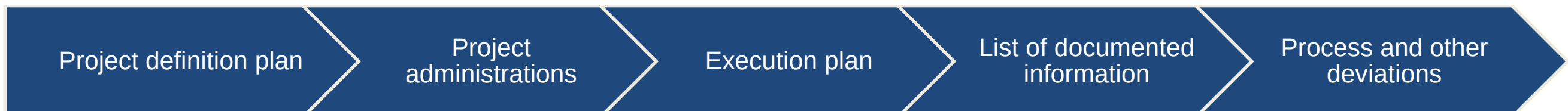


Parts of a Project Execution Plan

1. Project goals and objectives
2. Project stakeholders and their responsibilities
3. Clearly defined scope of work
4. The work breakdown structure (WBS) or how to manage workflow for all project tasks
5. The cost breakdown structure
6. KPIs that are to be tracked and reported
7. Issue management plan
8. Risk management plan, including list of possible risks and mitigation strategies
9. How to manage change orders
10. Communications plan, including what is to be communicated, to whom and when
11. Clearly defined milestones and the process for verifying when milestones are reached
12. Clearly defined gateway review process
13. Quality Standards
14. Resource Allocation for the Project Execution Plan
15. Project Schedule
16. Organizational Components

How to Create a Project Execution Plan

1. Kickoff Meeting
2. Monitor and Control the Project Execution Plan
3. Real-Time Data
4. Signoff



Project definition plan	Project administrations	Execution plan
• Project scope • Objectives • Project data • Architects and other consultants • Duration and key project milestone • Risk profile - Headline risk factors • Local body approval for project • Constraints (EHS, Legal, Geographical)	• Logistic plan • Communication • Roles, responsibilities and authority • Approval process, authority and communication matrix • Documentation process	• Schedule management • Procurement management • Change management • Cost management • Construction management • Value creation • Risk management • Project closure

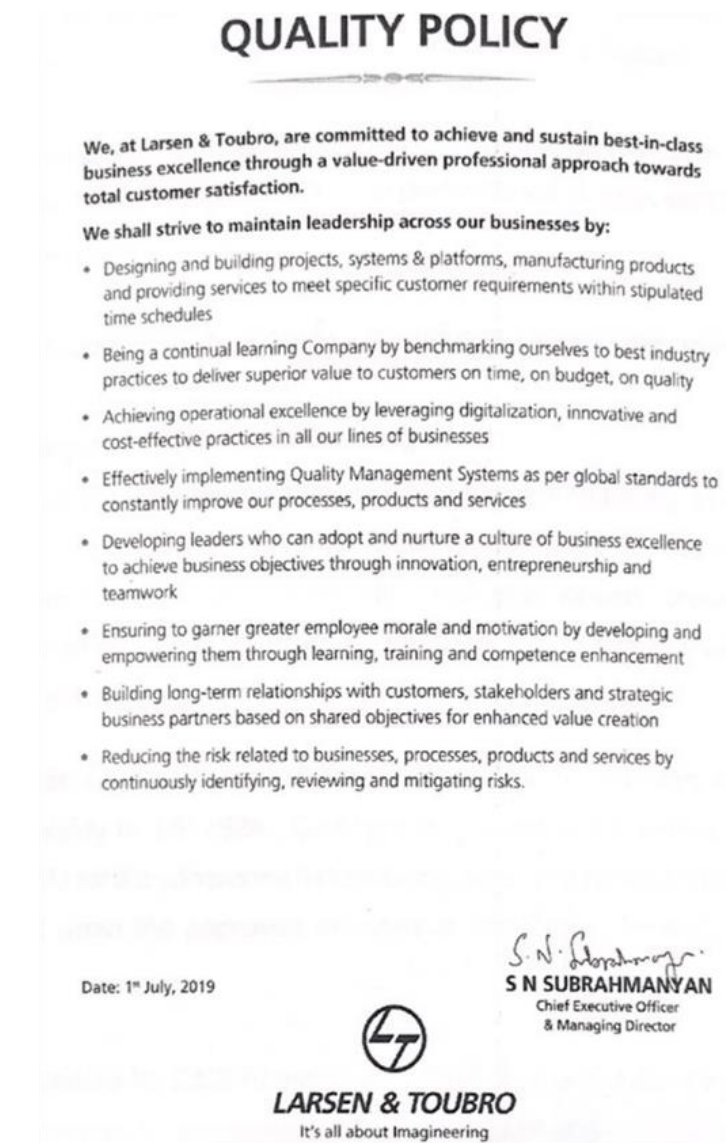
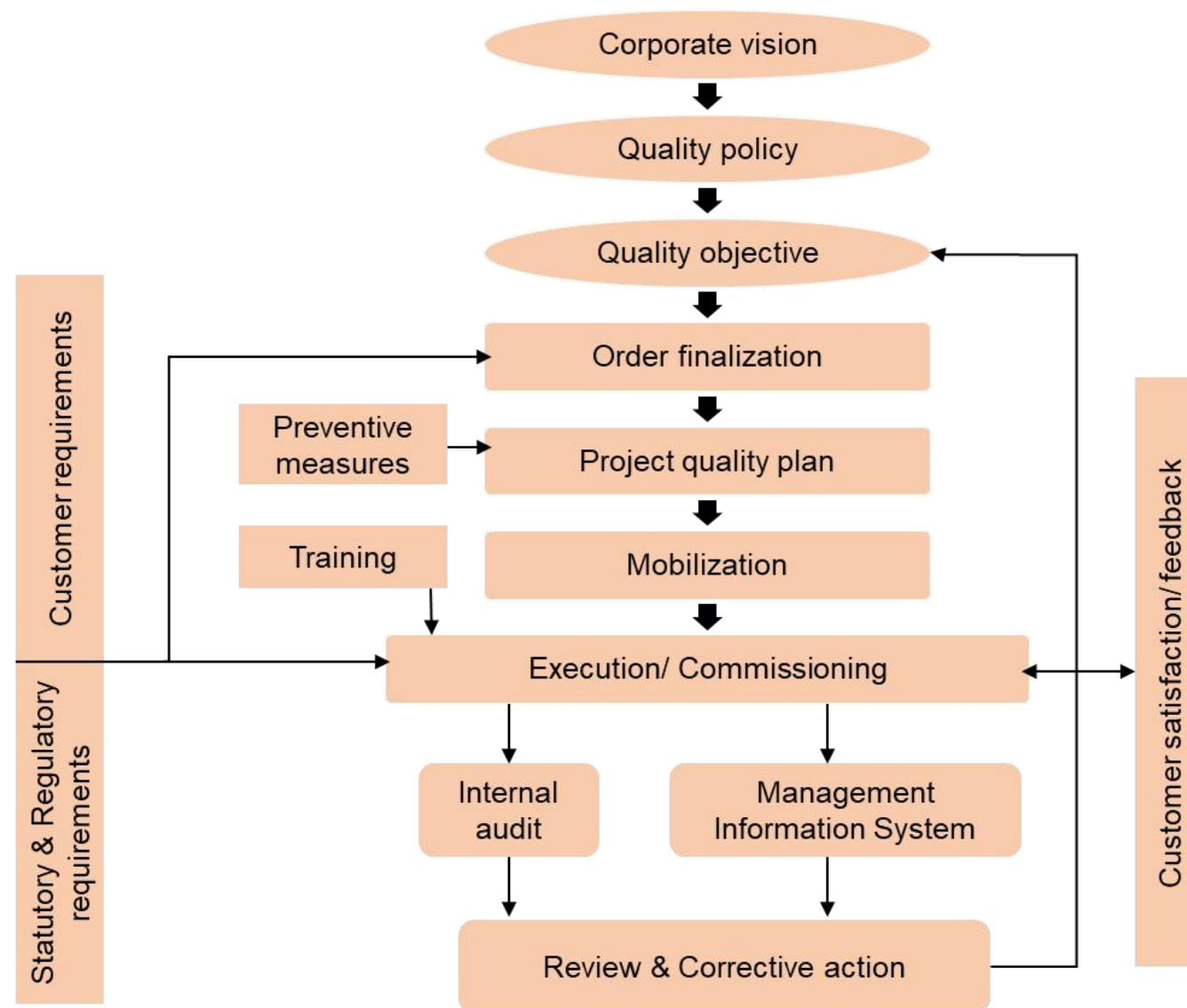
PROJECT ADMINISTRATIONS

Logistic plan	Approval process, authority and communication matrix
• Site office- client/consultant/vendors • Vehicle parking • Site security	1. Specification / design changes 2. Changes due to site conditions 3. Changes due to client requirements 4. Tender documents and vendor appointments 5. Non-tendered items 6. Quantity variations of BOQ items 7. Sample approval 8. Conformity design 9. Change order request (COR), change orders (CO) and amendment orders (AO) 10. Cost related approvals 11. Delay in project schedule 12. Approval tracking and reporting
Communication	
• Project organization chart • Project directory • Single point of contact (SPOC) • Escalation & communication protocol • Project communication plan	
Roles, responsibilities and authority	
• Project control group (PCG) - high- level decision-making body • Project steering group (PSG) • Stake holders (client, CBRE, architect, engineering and other consultants') responsibility matrix • NPCI & CBRE site team roles and responsibilities	

EXECUTION PLAN

Schedule management	Construction management
• Base line MCP • Updating and revising MCP • Review of MCP	• Roles and responsibilities. • Statutory approvals • Site logistics • Environmental health and safety • Drawings • Program management (tracking, reporting) • Quality management • Contract management • Testing and commissioning (T&C) plan • Completion certificates • Handing over plan
Change management	
• Roles and responsibilities- refer RASI matrix • Measurement & record • Design management	
Cost management	
• Roles and responsibilities - RASI matrix to be referred • Formulation of budget & cash flow, approval process • Non-tendered (NT) items • Quantity variations • Cost tracking & reporting	Risk management
	• Risk identification: Roles and responsibilities • Risk assessment • Risk mitigation

2.14 PROJECT QUALITY PLAN



Quality management system procedure

- QMS Planning & Settling of quality objectives
- Control of document
- Control of records
- Organization – Role & Responsibility
- Management review
- Training
- Project planning & Monitoring
- Contracts management
- Mobilisation & Monitoring of project
- Purchase of material & Procurement of vendor
- Execution of work
- Identification and traceability
- Preservation, handling & storage of materials
- Calibration of measuring devices & equipments
- Customer feedback & complaints
- Internal audit
- Procedure for Inspection & Testing and Control of Non-Conforming products
- Corrective action
- Preventive action
- Analysis of data

Quality Circle

L&T in discussion with customer & PMC shall form a Quality Circle (Committee) involving top management and key players of the project execution and they shall have weekly meeting consecutive to site Quality walk-through as per table blow.

From NPCI	From CBRE	From L&T	Team Focus
Project In-charge	Project Manager	Project Manager	➤ Plan for next week activity ➤ Design Support, If any req ➤ Opportunity for Improvement ➤ Deficiency if any observed in previous work done ➤ Proposed correction & Corrective action, if any ➤ Resource & Logistic issues, if any and their action plan ➤ IGBC any specific requirement ➤ Any other
	EHS Head	Resident Architect	
	Construction Manager	Quality Head	
	Quality Manager	Building Head	
		Section In-charges	
		EHS Head	

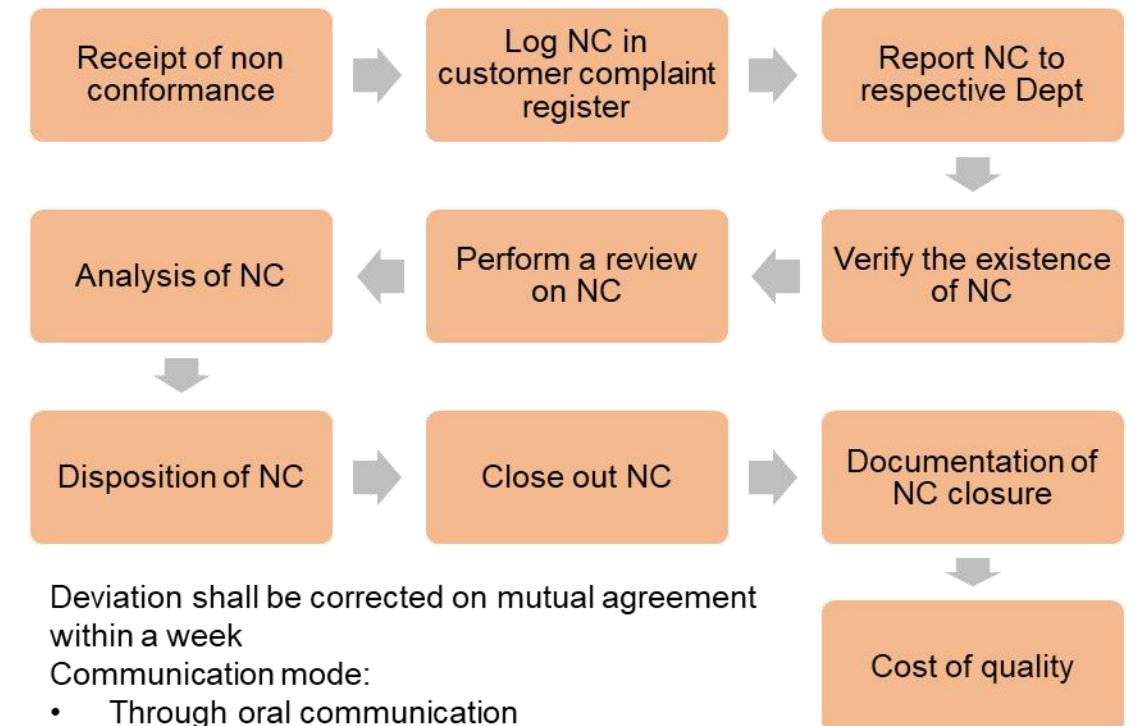
Stage wise inspection

Project team shall have on-site physical verification as against the bill cycle to establish and ascertain the actual work done so for is complying to the requirement in all respect. The team shall consists as listed in table below.

From NPCI	From CBRE	From L&T	Team Focus
Project In-charge	Project Manager	Project Manager	➤ Actual work done is as per bill claimed for the mile stone basis ➤ Work executed is as per laid down procedure & sequence ➤ Product delivered is as per allowable tolerance ➤ IGBC requirement as applicable is ensured and documents made available ➤ Material & Process has valid checklist and accepted by PMC ➤ Any other
	EHS Head	Resident Architect	
	Construction Manager	Quality Head	
	Quality Manager	Building Head	
		Section In-charges	
		EHS Head	

List of quality system formats

1. Quality objectives
2. Master list of controlled copy holders
3. Document change note
4. Master list of codes & standards
5. Drawing control register
6. Master list of records
7. Minutes of meeting and meeting attendance sheet
8. Training calendar and attendance sheet
9. Work and material inspection request
10. Housekeeping checklist
11. Master list of instruments for calibration
12. Customer complaints register
13. Internal audit plan
14. Audit notification and summary report
15. Non conformance report
16. Work method statement format
17. Inspection & test plan format
18. Quality alert



2.15 RISK REGISTER

Risk identification	Risk #	R62
	Date reported	07-Apr-20
	Project phase at identification	Construction
	Risk identification/ event statement	Lead time of import items may get increased
Risk assessment	Impact description	Due to COVID 19 pandemic all over the world, this has made the production and importing of goods difficult
	Risk category impacted Scope/ Cost/ Schedule/ Quality/ Statutory	Schedule
	Impact severity (1-Very low; 2- Low; 3- Moderate; 4-High; 5- Very high)	4 (High Impact severity)
	Impact probability (1- Very low (<10%); 2- Low (25%); 3- Moderate (50%); 4- High (75%))	4 (High Impact probability)
	Risk rating (1-4 – Green(Low risk); 5-12 – Yellow (Moderate risk); 13-20 – Red (High risk))	16 (High risk)



Risk identification				Risk assessment					Risk mitigation						
Risk #	Date reported	Project phase at identification	Risk description	Impact description	Risk category impacted	Impact severity	Impact probability	Risk rating	Risk status	Last update	Timeline to impact	Completed action	Planned future action	Responsible person	Target due date of actions
R1															
R2															
R3															

2.16 REQUEST FOR CHANGE



REQUEST FOR CHANGE																
1	Project Name	Smart Data Center	Location	Chennai												
2	Package	FAÇADE WORKS	RFC No.	011												
3	Change requested by	Mr.Pankaj Kasturay	Head -DC build	Date 29-Nov-21												
4	Requestor Organization	NPCI	Category	Client												
5	Related References GFC Drawing Ref Ground Floor Plan CHN-B1-A-2001-R3, Minutes Of Meeting Ref 074. NPCI_SDC_MOM0074_Dtd 131021- NPCI~CBRE WM															
6	Original Proposed change In Tender stage, the Main entry door at reception (reception to corridor) considered as Glass swing door using Patch fittings and the same was quoted by L&T (ref Interior BOQ item 8.b) Now as per NPCI instruction for a functional requirement and advanced technology it is decided to go with the Automatic sliding door instead of Swing door hence the existing QRO item (Ref Interior BOQ item 7) of Automatic sliding door shall be operated instead of 2 Nos Swing door.															
7	Justification to Avoid frequent manual usage and man movement traffic Automatic sliding door is the best option compare to swing door															
8	Impact of NOT Implementing Manual usage will be high, frequent maintenance will take place, man movement traffic will be there															
9	Alternatives NA															
10	Advantages/disadvantages if alternatives are implemented as compared to original proposed change. NA															
11	Review by Designers <table border="1"> <thead> <tr> <th>Review date</th> <th>Reviewer's name</th> <th>Reviewer's Role</th> <th>Recommendation</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Review date	Reviewer's name	Reviewer's Role	Recommendation								
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	Change Request Analysis <table border="1"> <thead> <tr> <th>Parameters Affected (Choose applicable ones from drop down list)</th> <th>Brief Explanation of the impact</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>				Parameters Affected (Choose applicable ones from drop down list)	Brief Explanation of the impact										
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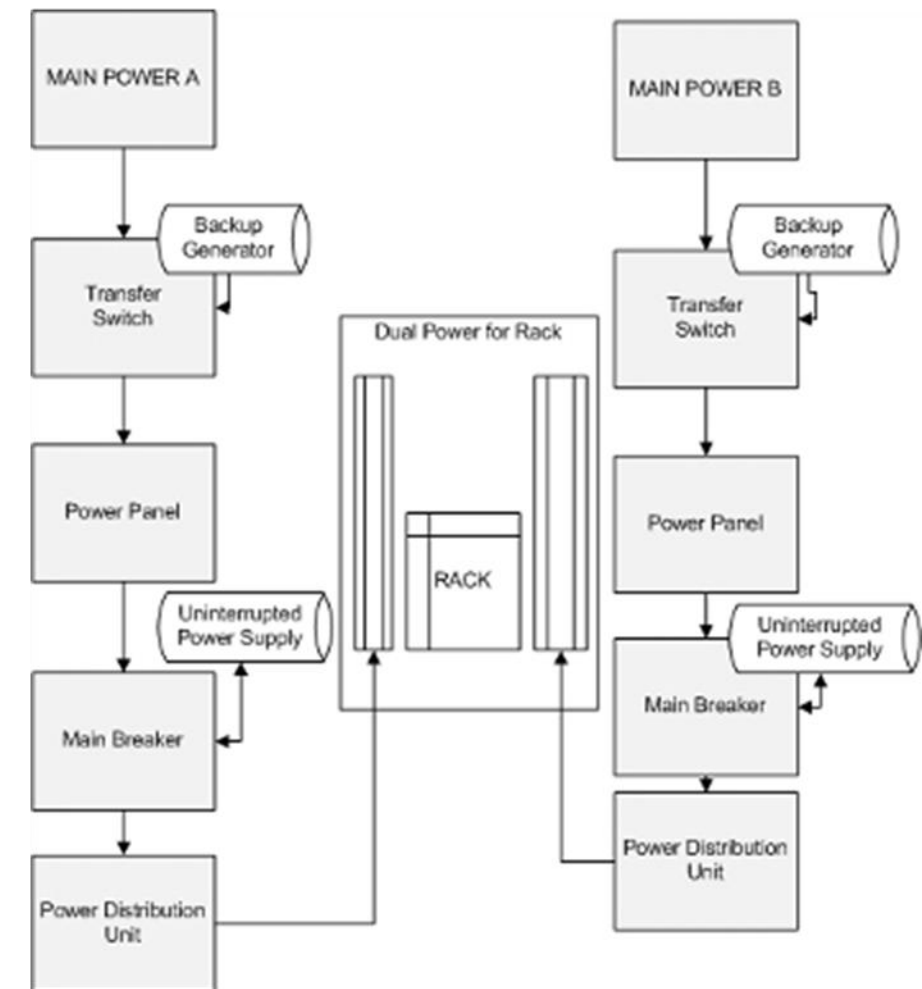
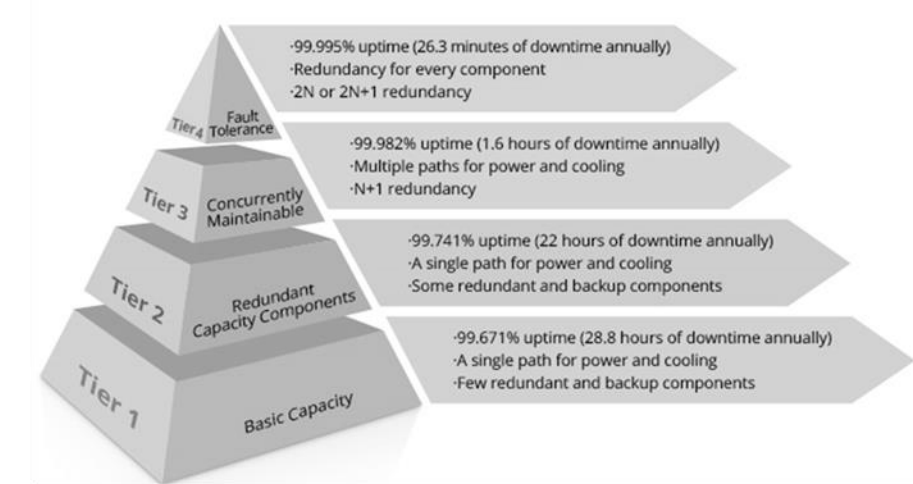
a)	Project Schedule	No impact															
b)	Project Costs	Cost Impact Will be 352000															
c)	Project Scope	QRO item to be Operated (7a) Scope to be reduced (8b)															
d)	Contract Amendment/Change Order	Change Order and Contract Amendment is required															
e)	Major Deliverables/Outcomes	No Challenge															
13	Rough Order of Estimate (ROM)-(attach the estimate calculations sheet) <table border="1"> <thead> <tr> <th>COST :</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>₹</td> <td>1,76,000.00</td> <td>Cost as per PO</td> </tr> <tr> <td>₹</td> <td>5,28,000.00</td> <td>Change order request</td> </tr> <tr> <td>₹</td> <td>3,52,000.00</td> <td>Cost Impact</td> </tr> <tr> <td>TIME :</td> <td></td> <td></td> </tr> </tbody> </table> Justification for the ROM : The quantity of Glass door quantity reduced from 4 nos to 2 nos, and Automatic sliding door QRO item shall be operated		COST :			₹	1,76,000.00	Cost as per PO	₹	5,28,000.00	Change order request	₹	3,52,000.00	Cost Impact	TIME :		
COST :																	
₹	1,76,000.00	Cost as per PO															
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₹	3,52,000.00	Cost Impact															
TIME :																	
14	Initial Review <table border="1"> <thead> <tr> <th>Review date</th> <th>Reviewer's name</th> <th>Reviewer's Role</th> <th>Recommendation</th> </tr> </thead> <tbody> <tr> <td>29-Nov-21</td> <td>Christy Pinto</td> <td>Project Manager</td> <td>Approve original proposal</td> </tr> <tr> <td colspan="3"></td> <td>Defer until : <date> NA</td> </tr> </tbody> </table> Justification for the recommendation : Technically feasible and project overall time lines are not affected		Review date	Reviewer's name	Reviewer's Role	Recommendation	29-Nov-21	Christy Pinto	Project Manager	Approve original proposal				Defer until : <date> NA			
Review date	Reviewer's name	Reviewer's Role	Recommendation														
29-Nov-21	Christy Pinto	Project Manager	Approve original proposal														
			Defer until : <date> NA														
	Client - SPOC <table border="1"> <thead> <tr> <th>Review date</th> <th>Reviewer's name</th> <th>Reviewer's Role</th> <th>Recommendation</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>Approve original proposal</td> </tr> <tr> <td colspan="3"></td> <td>Defer until : <date> NA</td> </tr> </tbody> </table> Justification for the recommendation :		Review date	Reviewer's name	Reviewer's Role	Recommendation				Approve original proposal				Defer until : <date> NA			
Review date	Reviewer's name	Reviewer's Role	Recommendation														
			Approve original proposal														
			Defer until : <date> NA														
Client Final Approval																	
SPECIAL INSTRUCTIONS (if any) :																	
	Final Approval <table border="1"> <thead> <tr> <th>Final Approval date</th> <th>Name</th> <th>Title</th> <th>Final Decision</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>Original proposal Approved</td> </tr> <tr> <td colspan="3"></td> <td>Defer until : <date> NA</td> </tr> </tbody> </table>		Final Approval date	Name	Title	Final Decision				Original proposal Approved				Defer until : <date> NA			
Final Approval date	Name	Title	Final Decision														
			Original proposal Approved														
			Defer until : <date> NA														

2.18 FMEA ANALYSIS

Category	Architect	Technical	Vendor	Client	Engineer/ Other consultants
Issue/ Subject	Drawing discrepancy	Lift capacity	Alternate make approval for approved items	Clay tile cladding sample approval	Trench
Description	Deviation found in boundary coordinate while comparing DTCP to survey layout	Lift capacity differ from architectural drawings & BoQ	Due to delay in issuance of PO to sub vendor, they are raising cost escalation for some materials	As per approved make list vendor submitted TDS and sample of clay tile material which is approved by architect as well	Trench considered in service drawings were missed in Ground Floor structural GFC
Root cause	Drafting error – Architect missed to cross check with survey layout while preparing DTCP layout	Service consultant missed to read the architectural drawings	Due to delay in issuance of PO to sub vendor within stipulated time	Client requested for alternate make sample and TDS	Lack of coordination between service and structural consultant
Impact	4 days taken to close this issue	May lead in cost impact if client expected for more capacity	Delay in procurement since the change in make to be submitted, reviewed and approved by client and consultant	Even after architect's approval alternate make sample requires to be imported from Germany which impacts timeline and provided approval	Impact in time and cost
Action taken	Coordinated with architect by superimposing the survey and DTCP layout	Discussed with client and confirmed the client requirement	Instructed the vendor not to repeat the same by escalating to vendor management	Requested client to take decision on the requirement to avoid delay	Incorporated in structural drawings as per service layout
Suggestion	At the time of reviewing drawings – one on other superimposed and verified	Architecture and services shall be coordinated well and same shall be reviewed during tender stage itself	PO issuance to sub vendor to be monitored and ensure it	Approval shall be provided by consultant/ architect recommendation	At the time of reviewing, layout should have been superimposed and identified

2.19 UPTIME CERTIFICATION

	Tier 1	Tier 2	Tier 3	Tier 4
<i>Uptime guarantee</i>	99.671%	99.741%	99.982%	99.995%
<i>Downtime per year</i>	<28.8 hours	<22 hours	<1.6 hours	<26.3 minutes
<i>Component redundancy</i>	None	Partial power and cooling redundancy (partial n+1)	Full n+1	Fault tolerant
<i>Concurrently maintainable</i>	No	No	Partially	Yes
<i>Price</i>	\$	\$\$	\$\$\$	\$\$\$\$
<i>Compartmentalization</i>	No	No	No	Yes
<i>Staffing</i>	None	1 shift	1+ shift	24/7/365
<i>Typical customer</i>	Small companies and start-ups with simple requirements	SMBs	Growing and large businesses	Government entities and large enterprises
<i>The main reason why companies select this tier</i>	The most affordable data center tier	A good cost to performance ratio	A fine line between high performance and affordability	A fault tolerant facility ideal for consistently high levels of traffic levels or processing demands



UPTIME SCENARIO TESTING

Item	Demonstration	Expected outcome	Load bank power source	Results/ Comments
E1	With the facility supported by engine generators, simulate a fault in main LT Panel 1A. Once complete, isolate the panel for maintenance. Then, re-enable the panel. This will be performed several times, 1 panel at a time	Engine generators DG Set-1, DG Set-2, DG Set-3 and DG Set-4 should continue to serve the critical IT loads through LT panel 1B and the mechanical load through LT panels 2A and 2B. There should be no impact to the power & cooling to the critical spaces.	Source A	☐ Successful ☐ Failed ☐ Initially failed; retry Successful ☐ Omitted ☐ Added Notes:
E3	With the facility supported by engine generators, stimulate a fault in 3200-A Uninterruptible Power Supply (UPS) Input Raising Main-1A along with its 1,250-A tap-off boxes. Once complete, isolate the raising main for maintenance. Then, re-enable the panel. This will be performed several times, 1 panel at a time.	Engine Generators DG Set-1, GD Set-2, DG Set-3, and DG Set-4-should continue to serve the critical IT loads through 3,200-A Raising Main-1B and the mechanical loads though LT Panels 2A and 2B. There should be no impact to the power and cooling to the critical spaces.	Source B	☐ Successful ☐ Failed ☐ Initially failed; retry Successful ☐ Omitted ☐ Added Notes:
E5	With the facility supported by engine generators, simulate a fault in the 750-kW UPS Units UPS-1A and UPS-1B along with their 1,250-A TPN molded case circuit breaker (MCCB) isolator breakers, 1 at a time. Once complete, isolate the UPS and isolator for maintenance. Then, re-enable the panel. This will be performed several times, 1 set of UPS units at a time	Engine Generators DG Set-1, DG Set-2, DG Set-3, and DG Set-4 should continue to serve the critical IT loads through UPS-1C and UPS-1D and their isolators and the mechanical loads though LT Panels 2A and 2B. There should be no impact to the power and cooling to the critical spaces.	Source B	☐ Successful ☐ Failed ☐ Initially failed; retry Successful ☐ Omitted ☐ Added Notes:
E14	With the facility supported by engine generators, simulate a fault in Data Center 250 A Bus Bar Trunking BBT - 1C to BBT - 7C, 1 at a time. Once complete, isolate the panel for maintenance. Then, re-enable the panel. This will be performed several times, 1 panel at a time	Engine Generators DG Set-1, DG Set-2, DG Set-3, and DG Set-4 should continue to serve the critical IT loads through complementary Data Center Bus Bar Trunking BBT - 1A to BBT - 7A and the mechanical loads though LT Panels 2A and 2B. There should be no impact to the power and cooling to the critical spaces.	Source A	☐ Successful ☐ Failed ☐ Initially failed; retry Successful ☐ Omitted ☐ Added Notes:

2.20 SYSTEM INSPECTION CHECKLIST

CBRE

NPCI

Inspection Report
Checklist for Raised False Flooring

Project	Smart Data Centre		Inspection Report No	21/1/22	
Client	NPCI - Smart Data Centre		Date	21/1/22	
PMC	CBRE South Asia Pvt. Ltd.		Structural Member		
Vendor	L&T Construction		Details		
Package	Civil, Structural Steel, MEP		Quantity		
Description of Work	Raised False Flooring		Rev	B	
Wing	Dwg. Ref. No 020289-C-SP-01-WP-0028		Inspected by	Kothandaraman Rale	
Floor	First Floor	Level + 17.15m	By	Bala	
Location	main Block	Grid PAC 1A	Time		
Sl. No	Description	YES	NO	NA	Remarks
Before Installation					
1	Has the method statement and shop drawings been approved	✓			* Pending MSP Service routing & work to be completed & clearance to be obtained
2	Check for completion of Civil works under the false flooring	✓			
3	The following MEP activities completed before installation of ceiling works.				
A.	Electrical				
B.	HVAC				
C.	Sprinkler				
D.	Fire Alarm				
E.	Public Address				
F.	Access Control & CCTV				
G.	Light Fixture Supports (if any)				
4	Is the approved drawings available for reference.	✓			
5	Check the availability of approved material. Whether the mock up for suspended ceiling has been executed.	✓			
6	Check the availability of installation aids and skilled manpower	✓			
7	False Flooring levels & reference lines have been marked & checked in Floors	✓			
8	check the MTC of anchor fasteners	✓			
During Installation					
1	Check the levels of the raised ceiling transferred on to the walls.	✓			
2	Check the installation of floor pedestal as indicated in the drawing	✓			
3	Check if the fixing of the legs is as per specifications.	✓			
4	Check the fixing & alignment of carriers.	✓			
5	Check the rigidity of grid	✓			
6	Check the painting at panel surface and tile edge.	✓			
7	Check for fixing of panels as shown in dwg	✓			
8	Check the levels for true horizontal alignment.	✓			
9	Check the provision for fixing of equipments, service entry and other cabling works	✓			
10	Check the provision of Tiling and ensure the floor & termination	✓			
11	Check the jointing tapes applied at joints	✓			
12	Check the matching of joints, closure of gaps & uniform finish.	✓			
* Door Entrance - tile to be finished					
Above Observations attended to and completed		YES	NO	NA	
Note: The quantity mentioned above is approximate measure and can not be considered for any billing purpose. Only JMS to be considered for billing else GFC drawings are to be referred for quantity.					
The above works have been completed and accepted					
Signature	Contractor Civil	Contractor Quality	Contractor Safety	CBRE Safety	CBRE Representative
Name	Balamagan	Vijay	P. V. Mohan	Amal	Kothandaraman
Date	21/1/22	20/1/22	20/1/22	20/1/22	12/2/22
Time					10:35 AM
Distribution		Original: CBRE - QS		cc: Vendor	

* PHU. unit back side floor gap - found - should be closed after completion of MSP routing & testing

shop drawing Read clp

CBRE

NPCI

Inspection Report
Checklist for Suspended False Ceiling

1st Floor - Service Lobby

Project	Smart Data Centre		Inspection Report No	21/2/22	
Client	NPCI - Smart Data Centre		Date	21/2/22	
PMC	CBRE South Asia Pvt. Ltd.		Structural Member		
Vendor	L&T Construction		Details		
Package	Civil, Structural Steel, MEP		Quantity		
Description of Work	Suspended False Ceiling		Rev	B	
Wing	Dwg. Ref. No 020289-WP-0028		Inspected by	Kothandaraman Rale	
Floor	First Floor	Level + 19.800	By	Bala	
Location	main Block	Grid gade 1107 lobby	Time		
Sl. No	Description	YES	NO	NA	Remarks
Before Installation					
1	Has the method statement and shop drawings been approved	✓			* Touchup paint to ceiling finish yet to complete
2	Check for completion of plastering of walls and the above ceiling services works	✓			
3	The following MEP activities completed before installation of ceiling works.				
A.	Electrical	✓			
B.	HVAC	✓			
C.	Sprinkler	✓			
D.	Fire Alarm	✓			
E.	Public Address	✓			
F.	Access Control & CCTV	✓			
G.	Light Fixture Supports (if any)	✓			
4	Is the approved drawings available for reference.	✓			
5	Check the availability of approved material. Whether the mock up for suspended ceiling has been executed.	✓			
6	Check the availability of installation aids and skilled manpower	✓			
7	False ceiling levels & reference lines have been marked & checked.	✓			
8	check the MTC of anchor fasteners	✓			
During Installation					
1	Check the levels of the suspended ceiling transferred on to the walls.	✓			
2	Check the installation of wall channels as indicated in the drawing	✓			
3	Check if the fixing of the suspenders is as per specifications.	✓			
4	Check the fixing & alignment of carriers.	✓			
5	Check the rigidity of grid for suspended ceiling.	✓			
6	Check the painting at panel surface and tile edge.	✓			
7	Check for fixing of panels as shown in dwg	✓			
8	Check the levels for true horizontal alignment.	✓			
9	Check the provision for fixing of A/C grills & electrical fittings.	✓			
10	Joints are cleaned & filled with approved jointing material for Gypsum board false ceiling works	✓			
11	jointing tapes applied at joints & sanded to receive paint for Gypsum board false ceiling works	✓			
12	Check the matching of joints, closure of gaps & uniform finish.	✓			
* Final Alignment & Adjustment to be done					
Above Observations attended to and completed		YES	NO	NA	
Note: The quantity mentioned above is approximate measure and can not be considered for any billing purpose. Only JMS to be considered for billing else GFC drawings are to be referred for quantity.					
The above works have been completed and accepted					
Signature	Contractor Civil	Contractor Quality	Contractor Safety	CBRE Safety	CBRE Representative
Name	Balamagan	Vijay	S. Sube	Amal	Kothandaraman
Date	21/2/22	04/04/22	21/02/22	13/4/22	13/4/22
Time					15:42
Distribution		Original: CBRE - QS		cc: Vendor	

2.21 MATERIAL INSPECTION REPORT





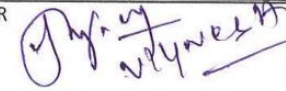
CHECK LIST FOR MATERIAL INSPECTION

VENDOR NAME: <u>L&T Construction</u>		DATE OF INSPECTION: <u>19/02/21</u>	
Name of the project: <u>NPCD-C&C-Chennai</u>			
Package: <u>Civil Structural - Steel, MBP.</u>			
Material Description: <u>Name of Materials --- PPC - Cement.</u>			
Quantity as per DC: <u>20.0 MT.</u>			
D.C No & date: <u>8996509840 - 91: 18/02/21.</u>			
Date of receipt at Site: <u>19/02/21.</u>			
Batch No: <u>Week no - 07/2021.</u>			

S.NO.	ACTION	Result			REMARKS
		Y	N	NA	
1	Check for specifications as per Tender	✓			
2	Manufacturer certificate attached	✓			
3	Warranty certificate attached			✓	
4	Check for quality as per challan (in the remarks specify the check conducted and the result and whether it is accepted)	✓			
5	Check for dimensional stability		✓		
6	Check for colour	✓			
7	Check for breakages		✓		
8	Check for packing	✓			
9	Check for any defects		✓		
10	Make	✓			<u>Ultratech - PPC Cement</u>
11	Check for quantity as per challan	✓			

COMMENTS: Test certificate to be produced / submitted


 CBRE


 VENDOR

Invoice Copy.

Material: Test Certificate



EWB No. 531241993412
 EWB Exp. 19-02-2021 23:59:00
 Unit/Depot-Address: ARAKONAM CEMENT WORKS, ULTRATECH CEMENT LIMITED, CHITTERI POST
 ARAKKONAM, TAMIL NADU, 631003

TAX INVOICE
UltraTech Cement Limited
 Duplicate for Transporter

GSTIN : 33AAACL6442L1Z1H

CIN : L26940MH2000PLC128420

TAN NO: CHEU03434E

HSN Code: 2523 29 30

Invoice No.: 8996509840

Plant/Depot Code: 6996

Invoice Reference No.:

Date of Issue of Invoice.: 18.02.2021

IRN: 9e1604ad71b31113309edaec3c19c8cbb280aa3339bb6336bf5985ae1012cc6

Batch No.: W/M/YY: 7/02/2021

Name of Commodity: Cement

Whether Tax is payable under Reverse Charge

Yes ☐ No ☒

Name & Address of Recipient:
 Larsen & Toubro Ltd Constructi
 Mount Poonamalle High Road,
 Manapakkam
 Place of Supply: CHENNAI
 State: TAMIL NADU
 State Code: 33
 GSTIN NO: 33AAACL0140P5ZM

Recipient PO No/Date :
 EK875PO1000118/17.02.2021

 Recipient Code : 641052L026
 Segment : KEY CUSTOMER

Name & Address of Delivery:
 Larsen & Toubro Ltd Cons
 PLOT NO.6/D-6, SIPCOT IT PARK
 NPCI DATA CENTERCHENNAI-SOUTH
 SIRUSERICHENNAI-SOUTH
 State: TAMIL NADU
 State Code: 33

Description of Goods	Particulars	Quantity	UOM	Rate Per MT (In Rupees)	Amount (In Rupees)
PPC 400 Bags HDPE / PP PACK	Basic Price	20.000	MT	4,375.00	87,500.00
Average Content per Package	50 KG				
	CGST	14.00%			12,250.00
	SGST	14.00%			12,250.00
	TCS	0.075%			84.00
Total Invoice Value					112,084.00

Tax Amount in Words: Rupees Twenty Four Thousand Five Hundred Eighty Four Only
 Invoice Amount in Words: Rupees One Lakh Twelve Thousand Eighty Four Only
 Name of Transporter : VRAJ CEMENT CARRIER L.R.No./RR Date: 18022021 D.O.No & Date: 1069942897 & 18.02.2021
 Vehicle No./Wagon NO.: TN34D9888 L.R.No/RR No.: 6632 D.I.NO. & Date: 6996704632 & 18.02.2021
 Mode of Transport: ROAD Commercial Terms : F.O.R SALE (FRU) Booking Stations: UTCL ARAKONAM MA
 Challan No & Date: 6996636140 Destination : CHENNAI-SOUTH Despatch From : UTCL ARAKONAM MA
 Certified that the particulars given above are true & correct & the amount indicated represents the price actually charged and there is no flow of any additional consideration directly or indirectly from the recipient.
 Freight on this Invoice is payable by Ultra Tech Cement Limited @ Rs. 100 Per MT.
 Checked By: SUSHIL SINGHANIA
 E. & O. E.
 For ULTRATECH CEMENT LIMITED (UNIT: ARAKONAM CEMENT WORKS)
 Digitally Signed by: SUSHIL SINGHANIA
 Authorized Signatory

We hereby confirm that we have received above referred material in good condition
 Date:

Signature name & Mobile No of Person/Party who is receiving the material with rubber stamp

Terms & Condition
 1. In case of Ex-Depot sale the responsibility of company ceases once the material is delivered to the carrier and Company will not accept any responsibility for shortage, loss, damage in transit.
 2. Payment against this invoice should be made by RTGS/NEFT/ACH/IMPS in favour of "UltraTech Cement Limited". Payment against this Invoice can also be made by A/c Payee Cheque/DD in favour of "UltraTech Cement Limited". Payment can also be made at our Zonal Offices through Rupay Debit Card/UPI- BHIM UPI/UPI QR Code/ BHIM UPI QR Code in favour of "UltraTech Cement Limited".
 3. If the invoice is not paid within due period as per agreement/PO interest @ 18% P.A. from the due date shall apply.
 4. Goods once delivered will not be taken back.
 5. Please ensure that any resale of the material should be done within the MRP printed on the bags.
 6. Input Tax reversal on the credit note issued by Company towards discount including any Rate Difference needs to be done





** For BIS Certification details see website: WWW.bis.org.in for Subject to Chennai Jurisdiction



2.22 PROJECT CLOSURE REPORT TEMPLATE

Client information	
Date project completed	Substantial completion date Snag list items completion date
Project scope	
Special features	Unique feature, technology, tools
Project photographs	
Key project personnel	Contact details
Project time requirements	
Design phase schedule information	Actual start Original completion Actual completion Variation causes
Construction phase schedule information	Actual start Original completion Actual completion Variation causes
Post Construction phase schedule information	Actual start Original completion Actual completion Variation causes Major activities
Project cost summary	Budgeted cost Original contract amount Change orders Final cost Causes of cost variation
Project safety statistics	Total man hours worked Total number of near misses Total number of minor injuries Total number of reportable accidents Total number of lost time accidents Total number of man hours lost
Open/ unresolved issues	Snag and other issues
Vendor performance	
Feedback on architects and consultants performance	
Value adds	
Project documentation - Completed & handed over on	

The **project closure report** is the final project management deliverable for a project and is used for senior management to assess the success of the project. The project manager records details of every phase of the project and provides a way for both themselves and senior management to determine what parts of the project worked and what didn't. It also allows the company to analyze how to improve in the future and the best practices for future projects.

Project closure reports are important because they can be used to close contracts, release project resources to the rest of the company, communicate final information to stakeholders and plan the operational transition.

Steps to create a project closure report

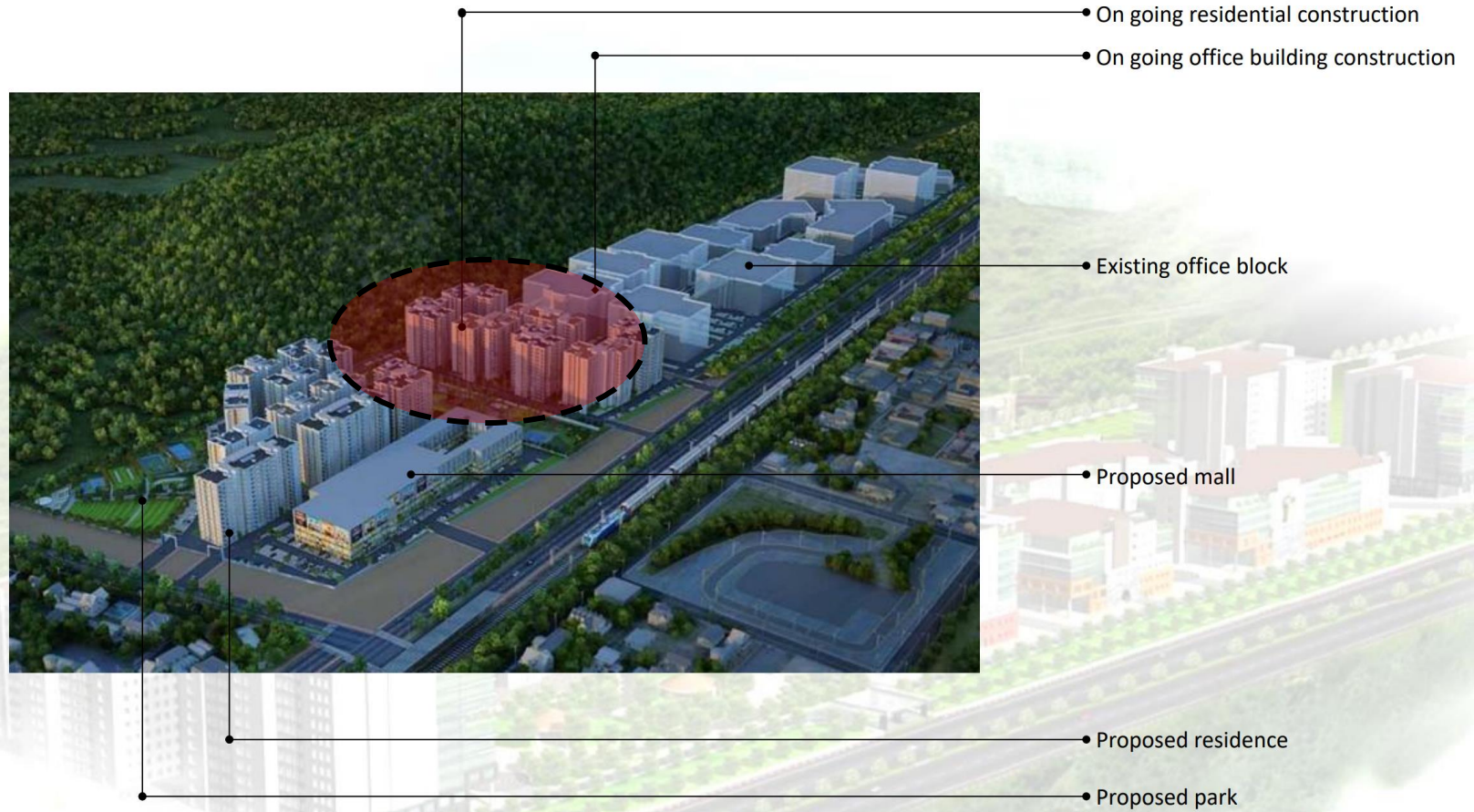
- Label the document
- Write an overview of the project
- Describe the project's accomplishments, outcomes and results
- Describe the project's scope
- Craft a project performance analysis
 - Goals and objective performance:
 - Success criteria performance:
 - Schedule and budget performance:
- Highlight challenges and risks that developed
- Write about lessons learned, suggestions for future projects and project manager comments
- Create a financial summary
- Describe the transfer of operations
- Request project closure approval

Enclosures

- Key project personnel & contact details
- Commercial closure report
- Technical closure report
- Package wise list of files signed by client as taken over
- Detailed snag list
- Vendor performance evaluation
- Consultant performance evaluation
- Value add log
- Lesson learnt
- Summary of risk register
- Capital equipment
- Important photographs of completed works

3. SHRIRAM PARK 63 PHASE 2, PERUNGALATHUR

3.1 ABOUT THE PROJECT



Project name: Shriram Park 63

Client: Shriram Properties

Site area: 57 Acres

Location: Perungalathur

Access road: 30m wide

12 Acres Residential

2 OSR's spread across 5.16 Acres

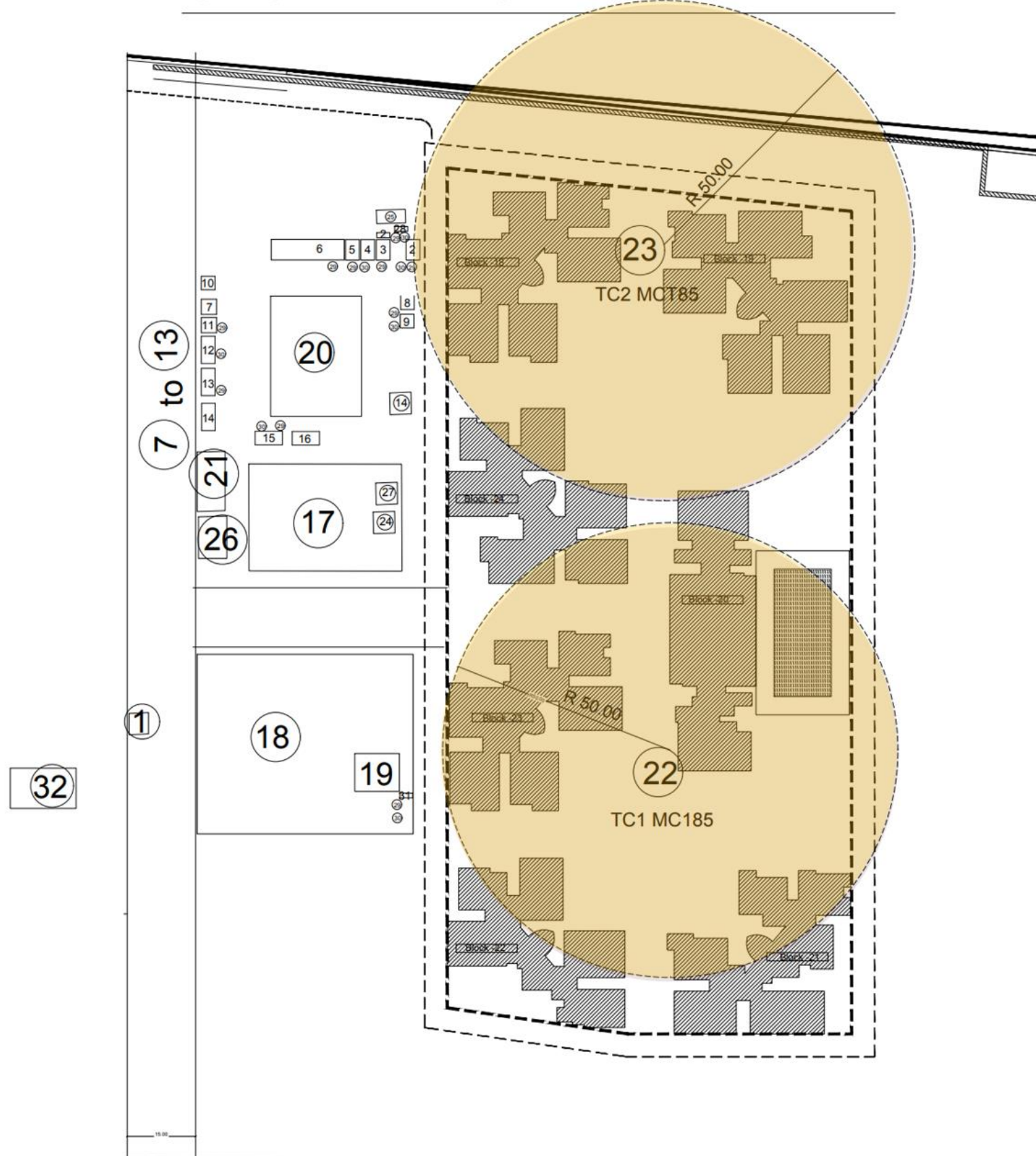


Name of the project	Shriram Park 63 Phase-II (Residential)
Location	Perungalathur, Chennai
No. of apartments	570
No. of storeys	2B + 13 floors
No. of blocks	7 (Block 18-24)
Initial timeline	23 months
Client	Shriram Properties
Main contractor	GK Shetty Builders Pvt. Ltd.
Project Management Consultancy	M/s CBRE South Asia Pvt. Ltd.
Structural consultants	Innotech
MEP consultants	E solutions
Architects	Eskay Design
Landscape consultants	Plantscape
Project value	210 Cr
Mivan formwork	8 days slab cycle
Fast track project	

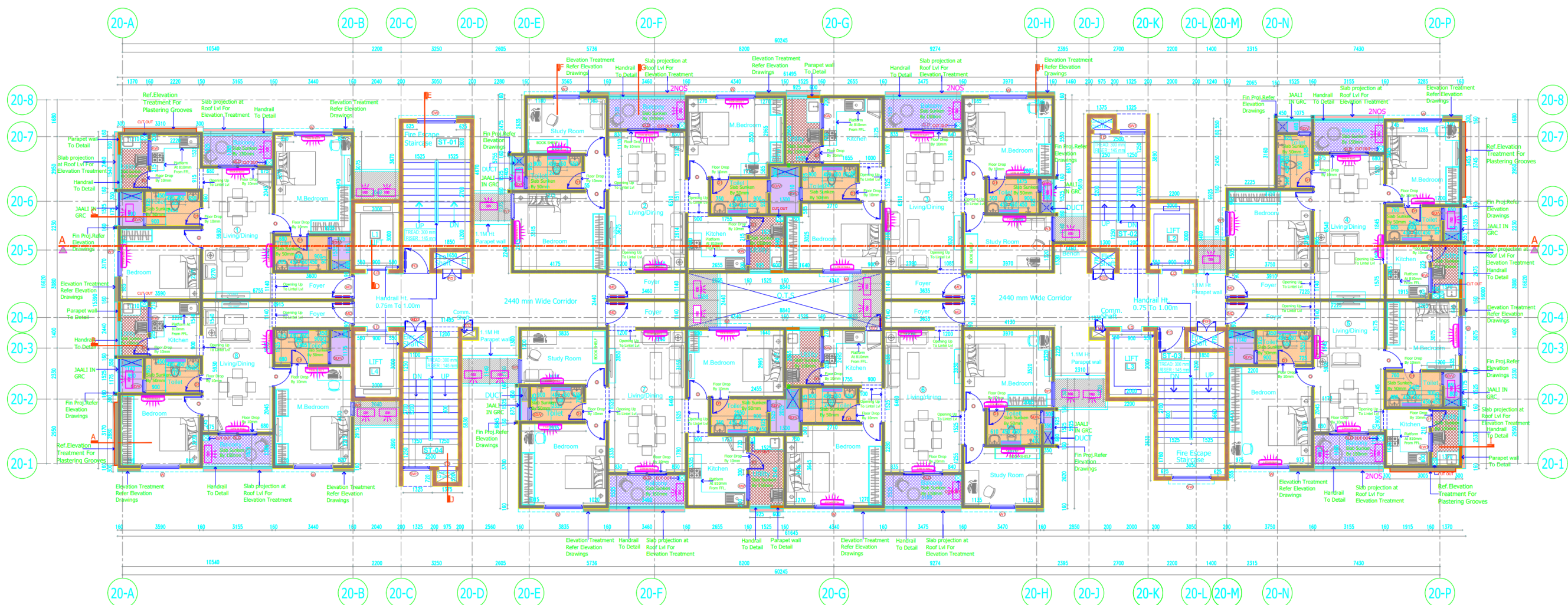
3.2 LOGISTIC PLAN

- 01.SECURITY CABIN
- 02.DG -1
- 03.ELECTRICAL ROOM
- 04.SAMPLE STORAGE ROOM
- 05.DIESEL YARD
- 06.STORE ROOM
- 07.CUBE TESTING ROOM
- 08.EMERGENCY AMBULANCE
- 09.SAFETY ROOM
- 10.SAFETY STORE ROOM
- 11.QC ROOM
- 12.CBRE -1
- 13.CBRE -2
- 14.CBRE -3
- 15.GKS STAFF -1
- 16.GKS STAFF -2
- 17.ALUMINIUM YARD-1
- 18.STEEL YARD
- 19.BARBENDING YARD
- 20.ALUMINIUM YARD -2
- 21.STAFF TOILET
- 22.TOWER CRANE -1
- 23.TOWER CRANE -2
- 24.LABOUR REST AREA
- 25.LABOUR TOILET
- 26.LABOUR DRINKING WATER
- 27.LABOUR REST AREA 1
- 28.DG-2 FOR TOWER CRANE
- 29.Fire Extinguisher
- 30.Fire bucket
- 31.DG-3 FOR TOWER CRANE
- 32.Two Wheeler Praking

GK SHETTY BUILDERS PVT LTD



3.3 BLOCK 20 – TYPICAL FLOOR PLAN



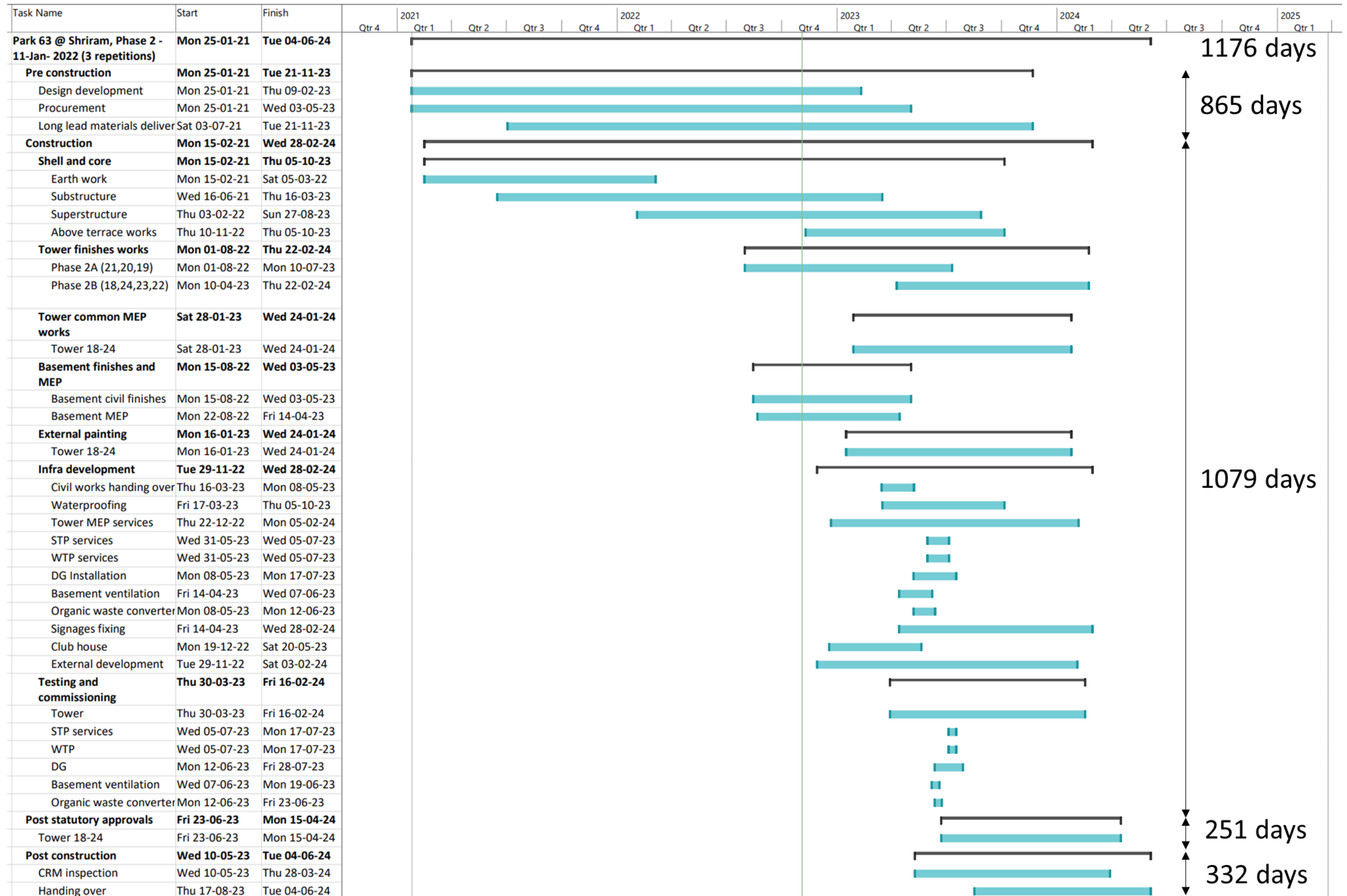
Asal Engineering Services provides formwork drawing for both the units and the corridor. For quick and easy understanding different layouts such as wall panel layout, slab layout and beam layout of the formwork drawings are prepared.

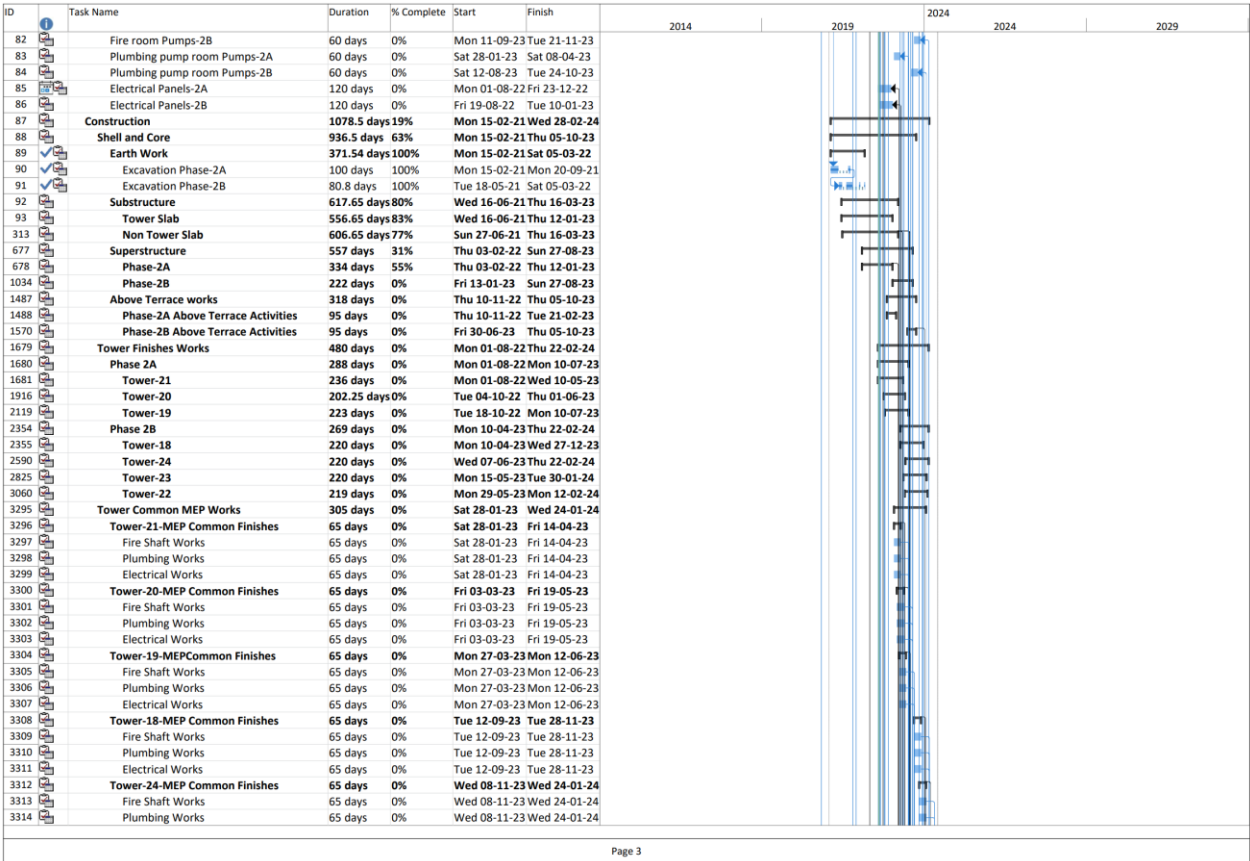
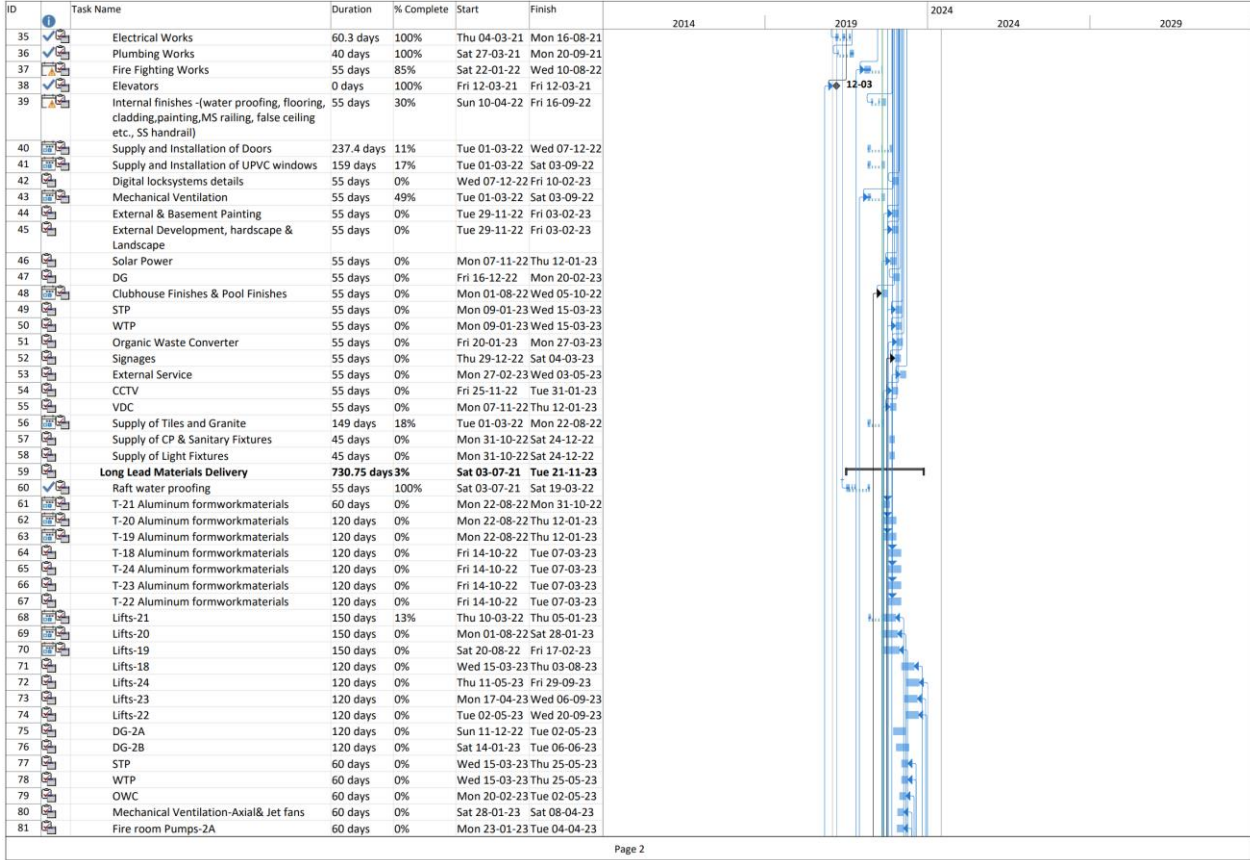
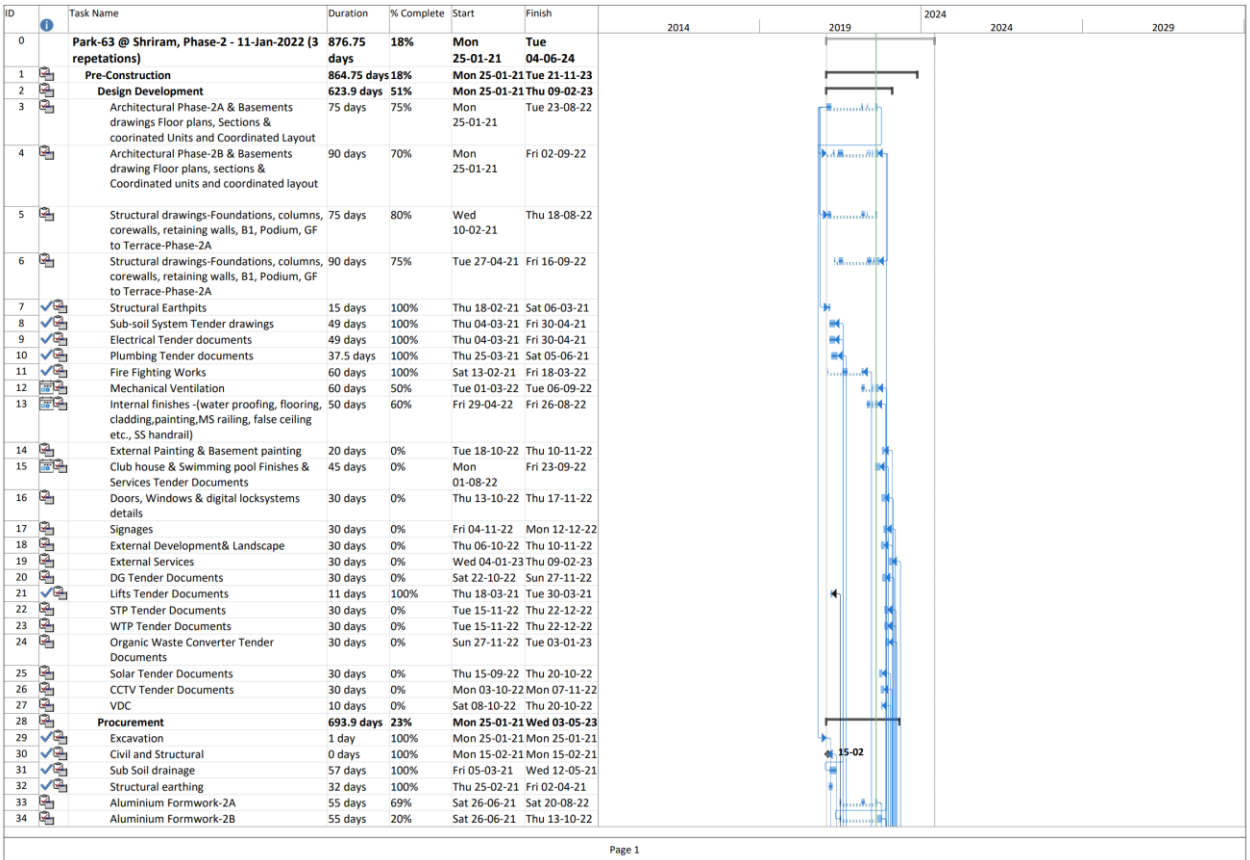


3.4 SITE PROGRESS PHOTOS



3.5 PROJECT SCHEDULE





ID	Task Name	Duration	% Complete	Start	Finish	2014	2019	2024	2024	2029
3361	Tower Internal 21-Electrical	10 days	0%	Mon 10-04-23	Fri 21-04-23					
3362	Electrical Room & Substation works-Phas	60 days	0%	Fri 14-04-23	Sat 24-06-23					
3363	Tower Shafts & terrace21-Fire	10 days	0%	Mon 03-04-23	Fri 14-04-23					
3364	Pump Room works with pipe connections from Phase-2A	25 days	0%	Fri 14-04-23	Mon 15-05-23					
3365	Tower Shafts & terrace21-Plumbing	10 days	0%	Mon 03-04-23	Fri 14-04-23					
3366	Tower Internal 21-Plumbing	10 days	0%	Mon 10-04-23	Fri 21-04-23					
3367	Pump Room Phase-2A	30 days	0%	Fri 14-04-23	Sat 20-05-23					
3368	Tower-21-Solar panel fixing	30 days	0%	Thu 23-02-23	Thu 30-03-23					
3369	Tower-21 CCTV	30 days	0%	Mon 13-03-23	Mon 17-04-23					
3370	Tower-21 VDC	30 days	0%	Thu 23-02-23	Thu 30-03-23					
3371	T-21 Lifts	100 days	0%	Thu 22-12-22	Wed 19-04-23					
3372	Tower-20 MEP Services	124.65 days	0%	Sat 28-01-23	Sat 24-06-23					
3373	Tower Shafts & terrace-20 Electrical	10 days	0%	Mon 08-05-23	Fri 19-05-23					
3374	Tower Internal-20 Electrical	10 days	0%	Thu 04-05-23	Mon 15-05-23					
3375	Electrical Room & Substation works-Phas	60 days	0%	Fri 14-04-23	Sat 24-06-23					
3376	Tower Shafts & terrace-20 Fire	10 days	0%	Mon 08-05-23	Fri 19-05-23					
3377	Pump Room works with pipe connections from Phase-2A	25 days	0%	Wed 19-04-23	Fri 19-05-23					
3378	Tower Shafts & terrace-20 Plumbing	10 days	0%	Mon 08-05-23	Fri 19-05-23					
3379	Tower Internal-20 Plumbing	10 days	0%	Thu 04-05-23	Mon 15-05-23					
3380	Pump Room Phase-2A	30 days	0%	Fri 14-04-23	Sat 20-05-23					
3381	Tower-20-Solar panel fixing	30 days	0%	Thu 30-03-23	Fri 05-05-23					
3382	Tower-20 CCTV	30 days	0%	Mon 17-04-23	Tue 23-05-23					
3383	Tower-20 VDP	30 days	0%	Thu 30-03-23	Fri 05-05-23					
3384	Tower-20 Lifts	100 days	0%	Sat 28-01-23	Fri 26-05-23					
3385	Tower-19 MEP Services	103.4 days	0%	Thu 23-02-23	Sat 24-06-23					
3386	Tower Internal-19 Electrical	10 days	0%	Sat 10-06-23	Thu 22-06-23					
3387	Tower Shafts & terrace-19 Electrical	10 days	0%	Wed 31-05-23	Mon 12-06-23					
3388	Electrical Room & Substation works-Phas	60 days	0%	Fri 14-04-23	Sat 24-06-23					
3389	Tower Shafts & terrace-19 Fire	10 days	0%	Wed 31-05-23	Mon 12-06-23					
3390	Pump Room works with pipe connections from Phase-2A	25 days	0%	Sat 13-05-23	Mon 12-06-23					
3391	Tower Shafts & terrace-19 Plumbing	10 days	0%	Wed 31-05-23	Mon 12-06-23					
3392	Tower Internal-19 Plumbing	10 days	0%	Sat 10-06-23	Thu 22-06-23					
3393	Pump Room Phase-2A	30 days	0%	Thu 18-05-23	Thu 22-06-23					
3394	Tower-19-Solar panel fixing	30 days	0%	Sat 22-04-23	Mon 29-05-23					
3395	Tower-19 CCTV	30 days	0%	Thu 11-05-23	Thu 15-06-23					
3396	Tower-19 VDP	30 days	0%	Sat 22-04-23	Mon 29-05-23					
3397	Tower-19 Lifts Works	70 days	0%	Thu 23-02-23	Tue 16-05-23					
3398	Tower-18 MEP services	102 days	0%	Wed 09-08-23	Sun 10-12-23					
3399	Tower Shafts & terrace18-Electrical	10 days	0%	Thu 16-11-23	Tue 28-11-23					
3400	Tower Internal 18-Electrical	10 days	0%	Mon 27-11-23	Sun 10-12-23					
3401	Electrical Room & Substation works-Phas	60 days	0%	Thu 28-09-23	Sun 10-12-23					
3402	Tower Shafts & terrace18-Fire	10 days	0%	Thu 16-11-23	Tue 28-11-23					
3403	Pump Room works with pipe connections from Phase-2B	25 days	0%	Mon 30-10-23	Tue 28-11-23					
3404	Tower Shafts & terrace 18-Plumbing	10 days	0%	Thu 16-11-23	Tue 28-11-23					
3405	Tower Internal 18-Plumbing	10 days	0%	Mon 27-11-23	Sun 10-12-23					
3406	Pump Room Phase-B	10 days	0%	Mon 27-11-23	Sun 10-12-23					

Page 5

ID	Task Name	Duration	% Complete	Start	Finish	2014	2019	2024	2024	2029
3407	Tower-18-Solar panel fixing	30 days	0%	Mon 09-10-23	Mon 13-11-23					
3408	Tower-18 CCTV	30 days	0%	Thu 26-10-23	Fri 01-12-23					
3409	Tower-18 VDP	30 days	0%	Mon 09-10-23	Mon 13-11-23					
3410	Lifts Work	70 days	0%	Wed 09-08-23	Wed 01-11-23					
3411	Tower-24 MEP Services	103 days	0%	Fri 06-10-23	Mon 05-02-24					
3412	Tower Shafts & terrace-24 Electrical	10 days	0%	Fri 12-01-24	Wed 24-01-24					
3413	Tower Internal-24 Electrical	10 days	0%	Wed 24-01-24	Mon 05-02-24					
3414	Electrical Room & Substation works-Phas	40 days	0%	Wed 20-12-23	Mon 05-02-24					
3415	Tower Shafts & terrace-24 Fire	10 days	0%	Fri 12-01-24	Wed 24-01-24					
3416	Pump Room works with pipe connections from Phase-2B	25 days	0%	Tue 26-12-23	Wed 24-01-24					
3417	Tower Shafts & terrace-24 Plumbing	10 days	0%	Fri 12-01-24	Wed 24-01-24					
3418	Tower Internal-24 Plumbing	10 days	0%	Wed 24-01-24	Mon 05-02-24					
3419	Pump Room Phase-B	10 days	0%	Wed 24-01-24	Mon 05-02-24					
3420	Tower-24 Solar panel fixing	30 days	0%	Wed 06-12-23	Wed 10-01-24					
3421	Tower-24 CCTV	30 days	0%	Sat 23-12-23	Sat 27-01-24					
3422	Tower-24 VDP	30 days	0%	Wed 06-12-23	Wed 10-01-24					
3423	Lifts work	70 days	0%	Fri 06-10-23	Thu 28-12-23					
3424	Tower-23 MEP Services	102.25 days	0%	Tue 12-09-23	Fri 12-01-24					
3425	Tower Shafts & terrace-23 Electrical	10 days	0%	Thu 21-12-23	Tue 02-01-24					
3426	Tower Internal-23 Electrical	10 days	0%	Mon 01-01-24	Fri 12-01-24					
3427	Electrical Room & Substation works-Phas	40 days	0%	Sat 25-11-23	Fri 12-01-24					
3428	Tower Shafts & terrace-23 Fire	10 days	0%	Thu 21-12-23	Tue 02-01-24					
3429	Pump Room works with pipe connections from Phase-2B	25 days	0%	Sun 03-12-23	Tue 02-01-24					
3430	Tower Shafts & terrace-23 Plumbing	10 days	0%	Thu 21-12-23	Tue 02-01-24					
3431	Tower Internal-23 Plumbing	10 days	0%	Mon 01-01-24	Fri 12-01-24					
3432	Pump Room Phase-B	10 days	0%	Mon 01-01-24	Fri 12-01-24					
3433	Tower-23-Solar panel fixing	30 days	0%	Sat 11-11-23	Mon 18-12-23					
3434	Tower-23 CCTV	30 days	0%	Wed 29-11-23	Thu 04-01-24					
3435	Tower-23 VDP	30 days	0%	Sat 11-11-23	Mon 18-12-23					
3436	Lifts Works	70 days	0%	Tue 12-09-23	Tue 05-12-23					
3437	Tower-22 MEP Services	102.25 days	0%	Tue 26-09-23	Fri 26-01-24					
3438	Tower Shafts & terrace-22 Electrical	10 days	0%	Thu 04-01-24	Tue 16-01-24					
3439	Tower Internal-22 Electrical	10 days	0%	Mon 15-01-24	Fri 26-01-24					
3440	Electrical Room & Substation works-Phas	40 days	0%	Mon 11-12-23	Fri 26-01-24					
3441	Tower Shafts & terrace-22 Fire	10 days	0%	Thu 04-01-24	Tue 16-01-24					
3442	Pump Room works with pipe connections from Phase-2B	25 days	0%	Mon 18-12-23	Tue 16-01-24					
3443	Tower Shafts & terrace-22 Plumbing	10 days	0%	Thu 04-01-24	Tue 16-01-24					
3444	Tower Internal-22 Plumbing	10 days	0%	Mon 15-01-24	Fri 26-01-24					
3445	Pump Room Phase-B	10 days	0%	Mon 15-01-24	Fri 26-01-24					
3446	Tower-22-Solar panel fixing	30 days	0%	Sat 25-11-23	Mon 01-01-24					
3447	Tower-22 CCTV	30 days	0%	Thu 14-12-23	Thu 18-01-24					
3448	Tower-22 VDP	30 days	0%	Sat 25-11-23	Mon 01-01-24					
3449	Lifts work	70 days	0%	Tue 26-09-23	Wed 20-12-23					
3450	STP Services works	30 days	0%	Wed 31-05-23	Wed 05-07-23					
3451	Installation of service	30 days	0%	Wed 31-05-23	Wed 05-07-23					
3452	WTP Services works	30 days	0%	Wed 31-05-23	Wed 05-07-23					
3453	Installation of service	30 days	0%	Wed 31-05-23	Wed 05-07-23					

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	Task Name	Duration	% Complete	Start	Finish	2014	2019	2024	2024	2029
3454	DG Installation	60 days	0%	Mon 08-05-23	Mon 17-07-23					
3455	Phase-2A	30 days	0%	Mon 08-05-23	Mon 12-06-23					
3458	Phase-2B	30 days	0%	Mon 12-06-23	Mon 17-07-23					
3461	Basement ventilation	45 days	0%	Fri 14-04-23	Wed 07-06-23					
3462	Equipment Installation	45 days	0%	Fri 14-04-23	Wed 07-06-23					
3463	Organic Waste Converter	30 days	0%	Mon 08-05-23	Mon 12-06-23					
3464	Installation of equipment	30 days	0%	Mon 08-05-23	Mon 12-06-23					
3465	Signages Fixing	270 days	0%	Fri 14-04-23	Wed 28-02-24					
3466	Tower-21-Signages	30 days	0%	Fri 14-04-23	Sat 20-05-23					
3467	Tower-20-Signages	30 days	0%	Fri 19-05-23	Fri 23-06-23					
3468	Tower-19-Signages	30 days	0%	Mon 12-06-23	Mon 17-07-23					
3469	Non Tower-21,20, & 19 Signages	50 days	0%	Mon 17-07-23	Thu 14-09-23					
3470	Tower-18	30 days	0%	Tue 28-11-23	Wed 03-01-24					
3471	Tower-24	30 days	0%	Wed 24-01-24	Wed 28-02-24					
3472	Tower-23	30 days	0%	Tue 02-01-24	Tue 06-02-24					
3473	Tower-22	30 days	0%	Tue 16-01-24	Tue 20-02-24					
3474	Non Tower-18,24,23 & 22	50 days	0%	Mon 17-07-23	Thu 14-09-23					
3475	Club house	130 days	0%	Mon 19-12-22	Sat 20-05-23					
3476	Civil Finishes, MEP & other furniture inst:	130 days	0%	Mon 19-12-22	Sat 20-05-23					
3477	Swimming pool waterproofing, Finishes & Services	60 days	0%	Sat 11-03-23	Sat 20-05-23					
3478	Podium & External Development, hardscape & Landscape	363.6 days	0%	Tue 29-11-22	Sat 03-02-24					
3479	External Compound wall-2A	75 days	0%	Thu 16-03-23	Tue 13-06-23					
3480	External Compound wall-2B	75 days	0%	Mon 28-08-23	Thu 23-11-23					
3481	Retaining wall waterproofing	120 days	0%	Tue 29-11-22	Thu 20-04-23					
3482	Periferal backfilling	90 days	0%	Tue 21-02-23	Wed 07-06-23					
3483	Drains & trenches-2A	60 days	0%	Mon 03-04-23	Tue 13-06-23					
3484	Drains & trenches-2B	60 days	0%	Thu 14-09-23	Thu 23-11-23					
3485	Drive way-2A	30 days	0%	Tue 13-06-23	Tue 18-07-23					
3486	Drive way-2B	30 days	0%	Fri 24-11-23	Sat 30-12-23					
3487	External services Work-2A	30 days	0%	Tue 13-06-23	Tue 18-07-23					
3488	External services Work-2B	30 days	0%	Fri 24-11-23	Sat 30-12-23					
3489	Hardscape works-2A	35 days	0%	Fri 26-05-23	Thu 06-07-23					
3490	Hardscape works-2B	35 days	0%	Thu 05-10-23	Wed 15-11-23					
3491	Soft scapeworks-2A	20 days	0%	Thu 06-07-23	Sat 29-07-23					
3492	Soft scapeworks-2B	20 days	0%	Wed 15-11-23	Sun 10-12-23					
3493	Basement & External Fixtures Installation	30 days	0%	Tue 18-07-23	Wed 23-08-23					
3494	Basement & External Fixtures Installation	30 days	0%	Sat 30-12-23	Sat 03-02-24					
3495	Entrance Gate & Security Kiosk	45 days	0%	Wed 15-11-23	Mon 08-01-24					
3496	Sports Equipments	25 days	0%	Sat 30-12-23	Mon 29-01-24					
3497	Testing and Commissioning of all Equipments	273 days	0%	Thu 30-03-23	Fri 16-02-24					
3498	Tower-21	83.15 days	0%	Thu 30-03-23	Thu 06-07-23					
3499	Tower Shafts & terrace21-Electrical	10 days	0%	Fri 14-04-23	Wed 26-04-23					
3500	Tower Internal 21-Electrical	10 days	0%	Fri 21-04-23	Thu 04-05-23					
3501	Electrical & Substation Testing & Commissioning-Phase-2A	10 days	0%	Sat 24-06-23	Thu 06-07-23					
3502	Tower Shafts & terrace21-Fire	10 days	0%	Fri 14-04-23	Wed 26-04-23					
3503	Pump Room works with pipe connections from Phase-2A	10 days	0%	Mon 15-05-23	Fri 26-05-23					

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ID	Task Name	Duration	% Complete	Start	Finish	2014	2019	2024	2024	2029
3550	Tower-24	43 days	0%	Thu 28-12-23	Fri 16-02-24					
3551	Tower 24-Electrical	10 days	0%	Wed 24-01-24	Mon 05-02-24					
3552	Tower Internal 24-Electrical	10 days	0%	Mon 05-02-24	Fri 16-02-24					
3553	Electrical & Substation Testing & Commissioning-Phase-2B	10 days	0%	Mon 05-02-24	Fri 16-02-24					
3554	Tower 24-Fire	10 days	0%	Wed 24-01-24	Mon 05-02-24					
3555	Pump Room works with pipe connections from Phase-2B	10 days	0%	Wed 24-01-24	Mon 05-02-24					
3556	Tower Shafts & terrace24-Plumbing	10 days	0%	Wed 24-01-24	Mon 05-02-24					
3557	Tower Internal 24-Plumbing	10 days	0%	Mon 05-02-24	Fri 16-02-24					
3558	UG Pump Room Testing & Commissioning	10 days	0%	Mon 05-02-24	Fri 16-02-24					
3559	Tower-24	10 days	0%	Wed 10-01-24	Mon 22-01-24					
3560	CCTV T & C-24	10 days	0%	Sat 27-01-24	Thu 08-02-24					
3561	VDC T & C-24	5 days	0%	Wed 10-01-24	Tue 16-01-24					
3562	Lifts Tower-24 Testing & Commissioning	10 days	0%	Thu 28-12-23	Tue 09-01-24					
3563	Tower-23	42.25 days	0%	Wed 06-12-23	Wed 24-01-24					
3564	Tower 23-Electrical	10 days	0%	Tue 02-01-24	Sat 13-01-24					
3565	Tower Internal 23-Electrical	10 days	0%	Fri 12-01-24	Wed 24-01-24					
3566	Electrical & Substation Testing & Commissioning-Phase-2B	10 days	0%	Fri 12-01-24	Wed 24-01-24					
3567	Tower 23-Fire	10 days	0%	Tue 02-01-24	Sat 13-01-24					
3568	Pump Room works with pipe connections from Phase-2B	10 days	0%	Tue 02-01-24	Sat 13-01-24					
3569	Tower Shafts & terrace23-Plumbing	10 days	0%	Tue 02-01-24	Sat 13-01-24					
3570	Tower Internal 23-Plumbing	10 days	0%	Fri 12-01-24	Wed 24-01-24					
3571	UG Pump Room Testing & Commissioning	10 days	0%	Fri 12-01-24	Wed 24-01-24					
3572	Tower-23	10 days	0%	Mon 18-12-23	Fri 29-12-23					
3573	CCTV T & C-23	10 days	0%	Thu 04-01-24	Tue 16-01-24					
3574	VDC T & C-23	5 days	0%	Mon 18-12-23	Sat 23-12-23					
3575	Lifts Tower-23 Testing & Commissioning	10 days	0%	Wed 06-12-23	Mon 18-12-23					
3576	Tower-22	42.25 days	0%	Wed 20-12-23	Wed 07-02-24					
3577	Tower 22-Electrical	10 days	0%	Tue 16-01-24	Sat 27-01-24					
3578	Tower Internal 22-Electrical	10 days	0%	Fri 26-01-24	Wed 07-02-24					
3579	Electrical & Substation Testing & Commissioning-Phase-2B	10 days	0%	Fri 26-01-24	Wed 07-02-24					
3580	Tower 22-Fire	10 days	0%	Tue 16-01-24	Sat 27-01-24					
3581	Pump Room works with pipe connections from Phase-2B	10 days	0%	Tue 16-01-24	Sat 27-01-24					
3582	Tower Shafts & terrace22-Plumbing	10 days	0%	Tue 16-01-24	Sat 27-01-24					
3583	Tower Internal 22-Plumbing	10 days	0%	Fri 26-01-24	Wed 07-02-24					
3584	UG Pump Room Testing & Commissioning	10 days	0%	Fri 26-01-24	Wed 07-02-24					
3585	Tower-22 Solar	10 days	0%	Mon 01-01-24	Fri 12-01-24					
3586	CCTV T & C-22	10 days	0%	Thu 18-01-24	Tue 30-01-24					
3587	VDC T & C-22	5 days	0%	Mon 01-01-24	Sat 06-01-24					
3588	Lifts Tower-22 Testing & Commissioning	10 days	0%	Wed 20-12-23	Mon 01-01-24					
3589	STP T & C	10 days	0%	Wed 05-07-23	Mon 17-07-23					
3590	STP	10 days	0%	Wed 05-07-23	Mon 17-07-23					
3591	WTP T & C	10 days	0%	Wed 05-07-23	Mon 17-07-23					
3592	WTP	10 days	0%	Wed 05-07-23	Mon 17-07-23					
3593	DG T & C	40 days	0%	Mon 12-06-23	Fri 28-07-23					

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ID	Task Name	Duration	% Complete	Start	Finish	2014	2019	2024	2024	2029
3594	DG -2A	10 days	0%	Mon 12-06-23	Fri 23-06-23					
3595	DG -2B	10 days	0%	Mon 17-07-23	Fri 28-07-23					
3596	Basement ventilation T & C	10 days	0%	Wed 07-06-23	Mon 19-06-23					
3597	BV	10 days	0%	Wed 07-06-23	Mon 19-06-23					
3598	Organic Waste Converter T & C	10 days	0%	Mon 12-06-23	Fri 23-06-23					
3599	OWC	10 days	0%	Mon 12-06-23	Fri 23-06-23					
3600	Post Statutory Approvals	250.85 days	0%	Fri 23-06-23	Mon 15-04-24					
3601	Tower-21	55 days	0%	Fri 23-06-23	Mon 28-08-23					
3602	Tower-21-Fire	15 days	0%	Fri 23-06-23	Tue 11-07-23					
3603	Tower-21-CEIG	15 days	0%	Mon 17-07-23	Thu 03-08-23					
3604	Tower-21-CMDA CC	15 days	0%	Tue 11-07-23	Fri 28-07-23					
3605	Tower-21-Lift	15 days	0%	Thu 03-08-23	Tue 22-08-23					
3606	Phase-2A-STP-CTO 21, 20 & 19	15 days	0%	Fri 28-07-23	Wed 16-08-23					
3607	Tower-21-Transformer & EB connection	10 days	0%	Thu 03-08-23	Wed 16-08-23					
3608	Tower-21 T & C EB	10 days	0%	Wed 16-08-23	Mon 28-08-23					
3609	Tower-20	55 days	0%	Fri 23-06-23	Mon 28-08-23					
3610	Tower-20-Fire	15 days	0%	Fri 23-06-23	Tue 11-07-23					
3611	Tower-20-CEIG	15 days	0%	Mon 17-07-23	Thu 03-08-23					
3612	Tower-20-CMDA CC	15 days	0%	Tue 11-07-23	Fri 28-07-23					
3613	Tower-20-Lift	15 days	0%	Thu 03-08-23	Tue 22-08-23					
3614	Phase-2A-STP-CTO 21, 20 & 19	15 days	0%	Fri 28-07-23	Wed 16-08-23					
3615	Tower-20-Transformer & EB connection	10 days	0%	Thu 03-08-23	Wed 16-08-23					
3616	Tower-20 T & C EB	10 days	0%	Wed 16-08-23	Mon 28-08-23					
3617	Tower-19	50 days	0%	Tue 04-07-23	Fri 01-09-23					
3618	Tower-19-Fire	15 days	0%	Tue 04-07-23	Fri 21-07-23					
3619	Tower-19-CEIG	15 days	0%	Mon 17-07-23	Thu 03-08-23					
3620	Tower-19-CMDA CC	15 days	0%	Fri 21-07-23	Tue 08-08-23					
3621	Tower-19-Lift	15 days	0%	Thu 03-08-23	Tue 22-08-23					
3622	Phase-2A-STP-CTO 21, 20 & 19	15 days	0%	Tue 08-08-23	Sat 26-08-23					
3623	Tower-19-Transformer & EB connection	10 days	0%	Tue 08-08-23	Mon 21-08-23					
3624	Tower-19 T & C EB	10 days	0%	Mon 21-08-23	Fri 01-09-23					
3625	Tower-18	50 days	0%	Thu 21-12-23	Sat 17-02-24					
3626	Tower-18-Fire	15 days	0%	Thu 21-12-23	Mon 08-01-24					
3627	Tower-18-CEIG	15 days	0%	Mon 08-01-24	Thu 25-01-24					
3628	Tower-18-CMDA CC	15 days	0%	Mon 08-01-24	Thu 25-01-24					
3629	Tower-18-Lift	15 days	0%	Thu 25-01-24	Mon 12-02-24					
3630	Tower-18-Transformer & EB connection	10 days	0%	Thu 25-01-24	Tue 06-02-24					
3631	Tower-18 T & C EB	10 days	0%	Tue 06-02-24	Sat 17-02-24					
3632	Tower-24	50 days	0%	Fri 16-02-24	Mon 15-04-24					
3633	Tower-24-Fire	15 days	0%	Fri 16-02-24	Tue 05-03-24					
3634	Tower-24-CEIG	15 days	0%	Tue 05-03-24	Fri 22-03-24					
3635	Tower-24-CMDA CC	15 days	0%	Tue 05-03-24	Fri 22-03-24					
3636	Tower-24-Lift	15 days	0%	Fri 22-03-24	Tue 09-04-24					
3637	Tower-24-Transformer & EB connection	10 days	0%	Fri 22-03-24	Wed 03-04-24					
3638	Tower-24 T & C EB	10 days	0%	Wed 03-04-24	Mon 15-04-24					
3639	Tower-23	50 days	0%	Wed 24-01-24	Fri 22-03-24					
3640	Tower-23-Fire	15 days	0%	Wed 24-01-24	Sat 10-02-24					
3641	Tower-23-CEIG	15 days	0%	Sat 10-02-24	Wed 28-02-24					
3642	Tower-23-CMDA CC	15 days	0%	Sat 10-02-24	Wed 28-02-24					

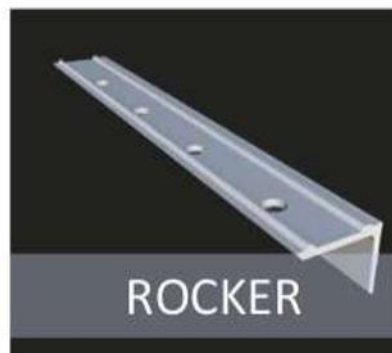
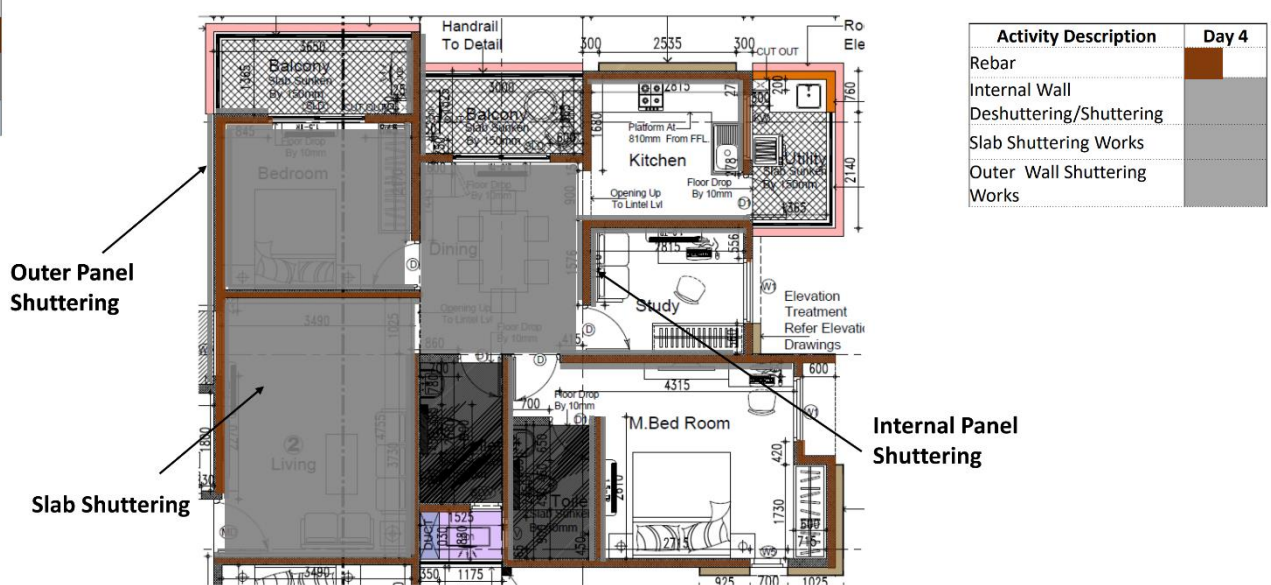
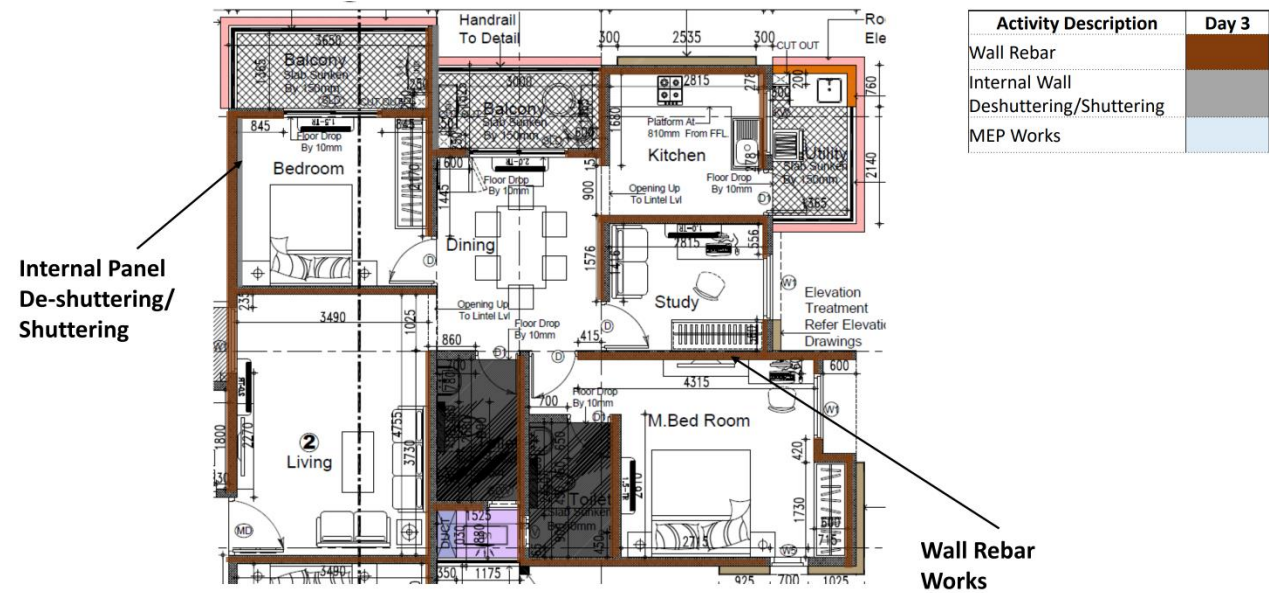
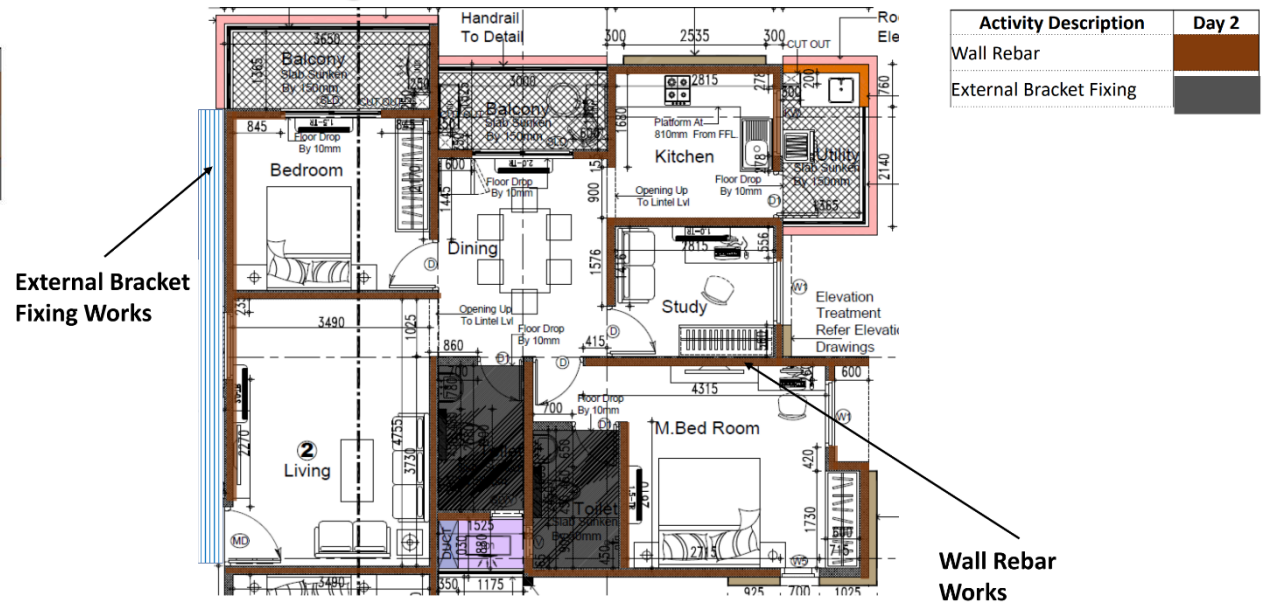
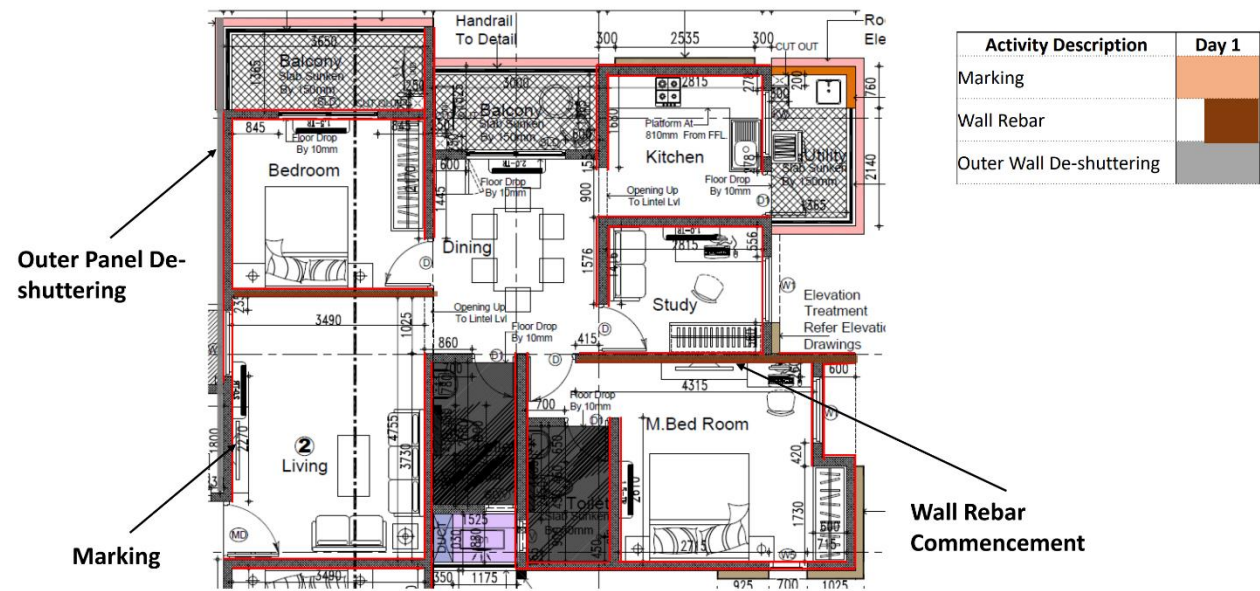
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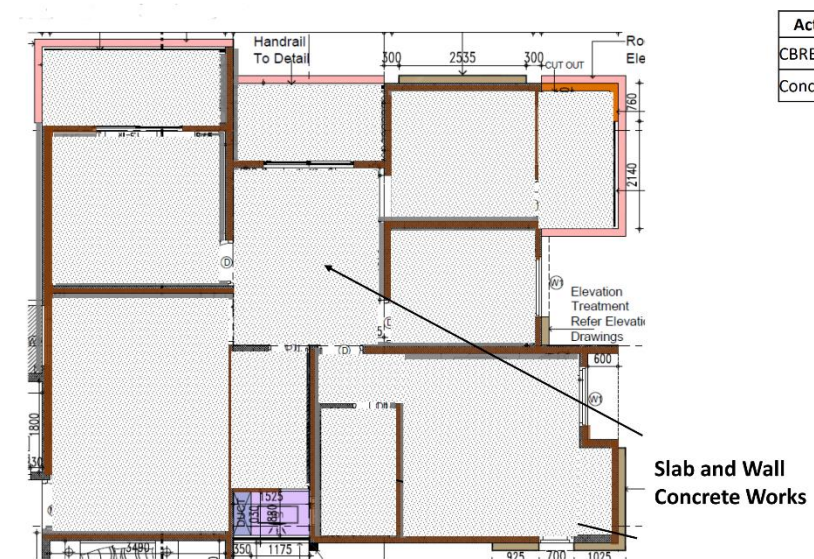
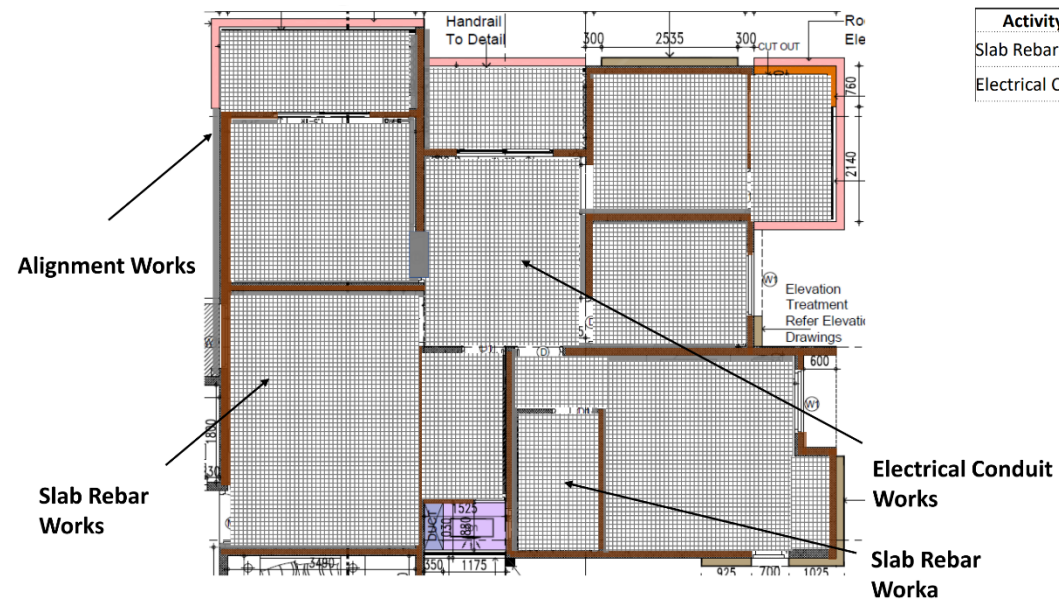
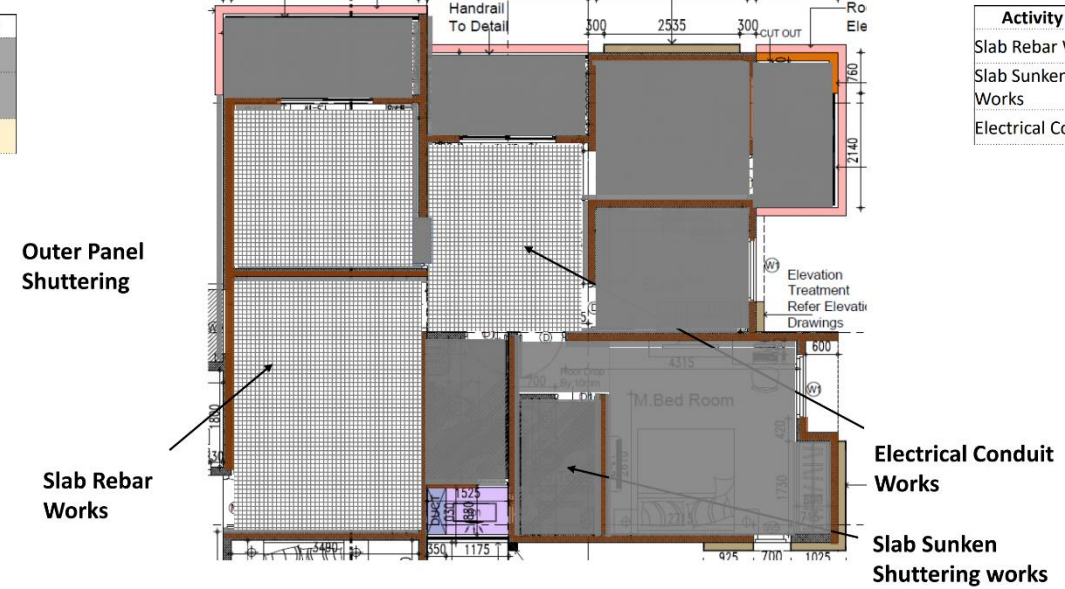
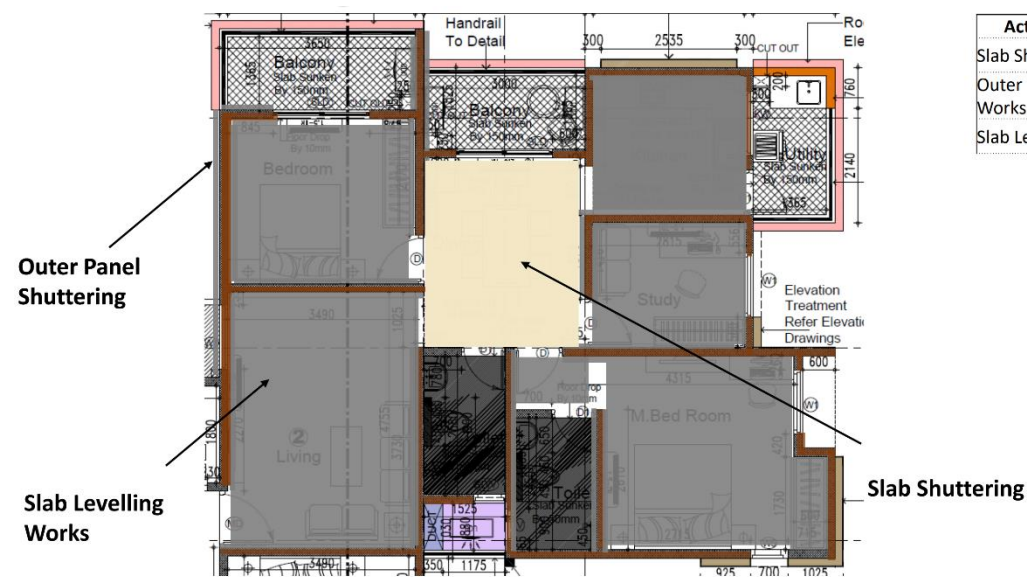
ID	Task Name	Duration	% Complete	Start	Finish	2014	2019	2024	2024	2029
3643	Tower-23-Lift	15 days	0%	Wed 28-02-24	Sat 16-03-24					
3644	Tower-23-Transformer & EB connection	10 days	0%	Wed 28-02-24	Mon 11-03-24					
3645	Tower-23 T & C EB	10 days	0%	Mon 11-03-24	Fri 22-03-24					
3646	Tower-22	50 days	0%	Wed 07-02-24	Fri 05-04-24					
3647	Tower-22-Fire	15 days	0%	Wed 07-02-24	Sat 24-02-24					
3648	Tower-22-CEIG	15 days	0%	Sat 24-02-24	Wed 13-03-24					
3649	Tower-22-CMDA CC	15 days	0%	Sat 24-02-24	Wed 13-03-24					
3650	Tower-22-Lift	15 days	0%	Wed 13-03-24	Sat 30-03-24					
3651	Tower-22-Transformer & EB connection	10 days	0%	Wed 13-03-24	Mon 25-03-24					
3652	Tower-22 T & C EB	10 days	0%	Mon 25-03-24	Fri 05-04-24					
3653	Post Construction	332 days	0%	Wed 10-05-23	Tue 04-06-24					
3654	CRM Inspection	274 days	0%	Wed 10-05-23	Thu 28-03-24					
3655	Phase-2A	82 days	0%	Wed 10-05-23	Mon 14-08-23					
3656	Tower-21	30 days	0%	Wed 10-05-23	Wed 14-06-23					
3657	Tower-20	30 days	0%	Fri 02-06-23	Thu 06-07-23					
3658	Tower-19	30 days	0%	Mon 10-07-23	Mon 14-08-23					
3659	Phase-2B	79 days	0%	Wed 27-12-23	Thu 28-03-24					
3660	Tower-18	30 days	0%	Wed 27-12-23	Wed 31-01-24					
3661	Tower-24	30 days	0%	Thu 22-02-24	Thu 28-03-24					
3662	Tower-23	30 days	0%	Tue 30-01-24	Tue 05-03-24					
3663	Tower-22	30 days	0%	Mon 12-02-24	Mon 18-03-24					
3664	Handing Over	248.25 days	0%	Thu 17-08-23	Tue 04-06-24					
3665	Phase2A	43 days	0%	Thu 17-08-23	Fri 06-10-23					
3666	Tower-21	50 days	0%	Mon 28-08-23	Wed 18-10-23					
3667	Tower-20	50 days	0%	Mon 28-08-23	Wed 18-10-23					
3668	Tower-19	50 days	0%	Fri 01-09-23	Sun 22-10-23					
3669	Phase2B	108 days	0%	Sat 17-02-24	Tue 04-06-24					
3670	Tower-18	50 days	0%	Sat 17-02-24	Sun 07-04-24					
3671	Tower-24	50 days	0%	Mon 15-04-24	Tue 04-06-24					
3672	Tower-23	50 days	0%	Fri 22-03-24	Sat 11-05-24					
3673	Tower-22	50 days	0%	Fri 05-04-24	Sat 25-05-24					

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3.6 MIVAN FORMWORK SEQUENCE

S.No	Activity Description	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
1	Marking								
2	Wall Rebar								
3	Outer Wall De-shuttering								
5	External Bracket Fixing								
6	Internal Wall Deshuttering/Shuttering								
7	MEP Works								
8	Slab Shuttering Works								
9	Outer Wall Shuttering Works								
10	Slab Levelling Works								
11	Slab Rebar Works								
12	Electrical Conduit Works								
13	Sunken Shuttering Works								
14	Alignment Works								
15	Internal QC Checking								
16	CBRE Inspection								
17	Concreting								





3.7 PROCUREMENT SCHEDULE

 SHRIRAM PROPERTIES LIMITED PROCUREMENT SCHEDULE Date: 24th June 2022																							
Sl.No	Package Name	Prequalifications by CC (QS) team	Issue of Specification & Tender Drawings by Technical consultant	Review of Tender drawings and Specifications	Issue of 100% Drawings & Specifications	Issue of BOQ	Tender Floating	Tender Enquiry/ Prebid Meetings	Prebid query clarification	Tender Submission	Tender Opening & Evaluation	First Round Negotiation	Second Round Negotiation	Third Round Negotiation	Decision taken by SPL	Issue of LOA	Issue of work order	PBG	ABG	CONTRACT AGREEMENT ISSUED	AGREEMENT SIGNED BY CONTRACTOR	AGREEMENT SIGNED BY CLIENT	Remarks
1	Excavation & Back filling works																						
	Planned date as per MCP						1-Dec-2020			7-Dec-2020	7-Dec-2020	8-Dec-2020	10-Dec-2020	NA	16-Dec-2020	21-Dec-2020	5-Jan-2021	NA	NA	30-Mar-2021	2-Apr-2021		Contract Agreement signed by client.
	Actual Date						1-Dec-2020			7-Dec-2020	7-Dec-2020	8-Dec-2020	10-Dec-2020	NA	16-Dec-2020	21-Dec-2020	5-Jan-2021	NA	NA	30-Mar-2021	2-Apr-2021		
2	Civil Shell & Core																						
	Planned date as per MCP	NA	9-Dec-2020	11-Dec-2020	14-Dec-2020	15-Dec-2020	18-Dec-2020	22-Dec-2020	23-Dec-2020	24-Dec-2020	4-Jan-2021	12-Jan-2021	28-Jan-2021	4-Feb-2021	6-Feb-2021	15-Feb-2021		29-Mar-2021	24-Mar-2021	15-Mar-2021	28-Mar-2021		Contract Agreement signed by client.
	Actual Date	NA	9-Dec-2020	11-Dec-2020	14-Dec-2020	15-Dec-2020	18-Dec-2020	22-Dec-2020	23-Dec-2020	24-Dec-2020	4-Jan-2021	12-Jan-2021	28-Jan-2021	4-Feb-2021	6-Feb-2021	15-Feb-2021		31-Mar-2021	26-Mar-2021	17-Mar-2021	30-Mar-2021		
3	Structural Earthing																						
	Planned date as per MCP	25-Feb-2021	18-Feb-2021	21-Feb-2021	23-Feb-2021	25-Feb-2021	27-Feb-2021	2-Mar-2021	3-Mar-2021	8-Mar-2021	11-Mar-2021	13-Mar-2021	19-Mar-2021	NA	22-Mar-2021	NA	2-Apr-2021	-	-	-	-	-	
	Actual Date	25-Feb-2021	18-Feb-2021	21-Feb-2021	23-Feb-2021	25-Feb-2021	27-Feb-2021	2-Mar-2021	3-Mar-2021	8-Mar-2021	11-Mar-2021	13-Mar-2021	19-Mar-2021	NA	22-Mar-2021	NA	2-Apr-2021						
4	Lift																						
	Planned date as per MCP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21-Apr-2021	26-Apr-2021	26-Apr-2021				Work order signed by Mitsubishi.
	Actual Date	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12-Mar-2021	20-Apr-2021	9-Apr-2021	9-Apr-2021				
5	Sub Soil Drainage																						
	Planned date as per MCP	5-Mar-2021	4-Mar-2021	6-Mar-2021	8-Mar-2021	9-Mar-2021	15-Mar-2021	18-Mar-2021	19-Mar-2021	22-Mar-2021	25-Mar-2021	27-Mar-2021	31-Mar-2021	5-Apr-2021	10-Apr-2021	20-Apr-2021	25-Apr-2021						Work order signed by contractor. Advance not required by contractor. 5% of PBG will be deducted instead of BG in each running bill.
	Actual Date	5-Mar-2021	4-Mar-2021	6-Mar-2021	8-Mar-2021	9-Mar-2021	15-Mar-2021	18-Mar-2021	19-Mar-2021	22-Mar-2021	25-Mar-2021	29-Mar-2021	5-Apr-2021	5-Apr-2021	6-Apr-2021	NA	20-Apr-2021						
6	Electrical																						
	Planned date as per MCP	25-Mar-2021	4-Mar-2021	25-Mar-2021	26-Mar-2021	29-Mar-2021	17-Apr-2021	22-Apr-2021	23-Apr-2021	2-May-2021	6-May-2021	8-May-2021	16-May-2021	21-May-2021	23-May-2021	11-May-2021							Contract agreement signed by Yalavarthi and submitted to SHPRL office.
	Actual Date	30-Apr-2021	27-Mar-2021	7-Apr-2021	29-Apr-2021	22-Apr-2021	11-May-2021	18-May-2021	20-May-2021	25-May-2021	29-May-2021	1-Jun-2021	7th July 21	17th July 2021- Fourth round with NH on 28th July 2021	6-Aug-2021	16-Aug-2021	3rd Sep 2021						
7	PHE																						
	Planned date as per MCP	30-Apr-2021	5-Jun-2021	30-Apr-2021	5-May-2021	11-May-2021	21-Jun-2021	26-Jun-2021	27-Jun-2021	6-Jul-2021	10-Jul-2021	12-Jul-2021	20-Jul-2021	25-Jul-2021	27-Jul-2021	1-Aug-2021							
	Actual Date		11-Jun-2021	19-Jun-2021	5-Jun-2021	6-Jul-2021	7-Jul-2021	14-Jul-2021	14-Jul-2021	16-Jul-2021	24-Jul-2021	27-Jul-2021	10-Aug-2021	25th -Aug-2021	6-Sep-2021	21-Sep-2021							
8	Fire Protection																						
	Planned date as per MCP	15-Jul-2021	29-Dec-2020	30-Apr-2021	4-May-2021	19-May-2021	15-Oct-2021	20-Oct-2021	21-Oct-2021	30-Oct-2021	3-Nov-2021	5-Nov-2021	13-Nov-2021	18-Nov-2021	23-Nov-2021	28-Nov-2021							LOA issued on 14th March 2022
	Actual Date						23-Sep-2021	25-Sep-2021	29-Sep-2021	4-Oct-2021	7-Oct-2021					14-Mar-2022							
9	Internal finishes (water proofing, flooring, cladding, painting, MS railing, false ceiling etc..)																						
	Planned date as per MCP (BL-4)	25-Feb-2022	NA	NA	NA	4-Mar-2022	11-Mar-2022	16-Mar-2022	17-Mar-2022	26-Mar-2022	30-Mar-2022	1-Apr-2022	9-Apr-2022	14-Apr-2022	16-Apr-2022	21-Apr-2022							
a	Tiles-Actual Date (Tiles) Complete supply requirement - RO						8-Apr-2022	10-Apr-2022	11-Apr-2022	15-Apr-2022	16-Apr-2022	17-Apr-2022	21-Apr-2022	25-Apr-2022	28-Apr-2022	30-Apr-2022							
b.	Actual Date (Tiles) Complete supply requirement - R1						19-Apr-2022	21-Apr-2022	25-May-2022	30-May-2022	2-Jun-2022	1-Aug-2022	2-Aug-2022		6-Aug-2022	13-Aug-2022							Selection of tiles received on 29th July 2022 and shared to all suppliers. Final negotaiton meeting conducted 1st august and 2nd Aug, Awaiting further instruction from client.
b	Granites - RO						8-Apr-2022	10-Apr-2022	11-Apr-2022	15-Apr-2022	16-Apr-2022	17-Apr-2022	21-Apr-2022	25-Apr-2022	28-Apr-2022	30-Apr-2022							
c	Granites- R1						16-May-2022	24-May-2022	25-May-2022	30-May-2022	2-Jun-2022	1-Aug-2022	2-Aug-2022		6-Aug-2022	13-Aug-2022							Selection of tiles received on 29th July 2022 and shared to all suppliers. Final negotaiton meeting conducted 1st august and 2nd Aug, Awaiting further instruction from client.
c	Interior finishes (Water proofing,Tile laying, Granite Laying, Terrace waterproofing, Screed,Toilet false ceiling,stair case hand rail) - RO						8-Apr-2022	10-Apr-2022	11-Apr-2022	15-Apr-2022	16-Apr-2022	17-Apr-2022	21-Apr-2022	25-Apr-2022	28-Apr-2022	30-Apr-2022							
c	Interior finishes (Water proofing,Tile laying, Granite Laying, Terrace waterproofing, Screed,Toilet false ceiling,stair case hand rail) - R1						23-May-2022	26-May-2022	27-May-2022	30-May-2022	2-Jun-2022	1-Aug-2022	2-Aug-2022	0-Jan-1900	6-Aug-2022	13-Aug-2022							1) Design and quantity finalized by 18th May 2022.
c	Actual-Interior finishes (Water proofing,Tile laying, Granite Laying, Terrace waterproofing, Screed,Toilet false ceiling,stair case hand rail) - R2						23-May-2022	26-May-2022	27-May-2022	30-May-2022	10-06-2022/Evaluation-16-Jun-2022	1-Aug-2022	2-Aug-2022		6-Aug-2022	13-Aug-2022							1) Design and quantity finalized by 18th May 2022. 2) RO Tender submitted confirmation on 7th June 3) RO Tender opened on 10th June 2022 4) First tender nego - 21June2022 5) Five vendors are submitted the Revised BOQ on 23rd June 2022. One more vendor added Blossom on 23rd June tender released. submission will be on 27June2022. 6) Final negotiation completed and awaiting instruction from client.

Prepared by : IAT Construction Managers



Date: 24th June 2022

SHRIRAM PROPERTIES LIMITED PROCUREMENT SCHEDULE																							
Sl.No	Package Name	Prequalifications by CC (QS) team	Issue of Specification & Tender Drawings by Technical consultant	Review of Tender drawings and Specifications	Issue of 100% Drawings & Specifications	Issue of BOQ	Tender Floating	Tender Enquiry/ Prebid Meetings	Prebid querie clarification	Tender Submission	Tender Opening & Evaluation	First Round Negotiation	Second Round Negotiation	Third Round Negotiation	Decision taken by SPL	Issue of LOA	Issue of work order	PBG	ABG	CONTRACT AGREEMENT ISSUED	AGREEMENT SIGNED BY CONTRACTOR	AGREEMENT SIGNED BY CLIENT	Remarks
d	SS railing with glass - Ro					2-Aug-2022	2-Aug-2022	4-Aug-2022	6-Aug-2022	11-Aug-2022	12-Aug-2022	14-Aug-2022	19-Aug-2022	NR	27-Aug-2022	1-Sep-2022							
e	SS railing with glass - R1					23-May-2022	23-May-2022	26-May-2022	27-May-2022	30-May-2022	2-Jun-2022	1-Aug-2022	2-Aug-2022	NR	6-Aug-2022	13-Aug-2022							
f	SS railing with glass - R2																						Added in Interior scope.
10	Supply and installation of doors, iron mongries																						
	Planned date as per MCP (BL-4)	25-Feb-2022	NA	NA	NA	4-Mar-2022	11-Mar-2022	16-Mar-2022	21-Mar-2022	26-Mar-2022	30-Mar-2022	1-Apr-2022	9-Apr-2022	14-Apr-2022	22-Apr-2022	27-Apr-2022							
	Actual Date																						24th June Update-Yet to receive the drawings and details
11	Supply and Installation of UPVC windows/Toilet doors																						PMC to review the procurement schedule as per the current status of project. Tender documents (drawings, specifiation, boq) awaited from consultant.
	Planned date as per MCP (BL-4)	25-Feb-2022	NA	NA	NA	4-Mar-2022	11-Mar-2022	16-Mar-2022	17-Mar-2022	26-Mar-2022	30-Mar-2022	1-Apr-2022	9-Apr-2022	14-Apr-2022	21-Apr-2022	26-Apr-2022							24th June Update-Yet to receive the drawings and details
	Actual Date					31-May-2022	31-May-2022	3-Jun-2022	4-Jun-2022	14-Jun-2022	16-Jun-2022	19-Jun-2022	27-Jun-2022		1-Jul-2022	15-Jun-2022							BOQ with quantity circulated to team for review on 30th July. Awaiting for comments.
12	Digital lock systems																						
	Planned date as per MCP (BL-4)	22-Aug-2022	NA	NA	NA	NA	1-Sep-2022	6-Sep-2022	7-Sep-2022	16-Sep-2022	20-Sep-2022	24-Sep-2022	2-Oct-2022	7-Oct-2022	17-Oct-2022	22-Oct-2022							
	Actual Date						1-Sep-2022	6-Sep-2022	7-Sep-2022	16-Sep-2022	20-Sep-2022	24-Sep-2022	2-Oct-2022	7-Oct-2022	17-Oct-2022	22-Oct-2022							
13	Basement ventilation																						
	Planned date as per MCP (BL-4)	14-Feb-2022	31-Dec-2020	27-Jan-2022	6-Feb-2022	16-Feb-2022	11-Mar-2022	16-Mar-2022	17-Mar-2022	26-Mar-2022	30-Mar-2022	1-Apr-2022	9-Apr-2022	14-Apr-2022	23-Apr-2022	28-Apr-2022							
	Actual Date						8-Sep-2022	13-Sep-2022	14-Sep-2022	23-Sep-2022	27-Sep-2022	29-Sep-2022	7-Oct-2022	12-Oct-2022	21-Oct-2022	28-Oct-2022							
14	External painting																						
	Planned date as per MCP (BL-4)	27-Jul-2021	NA	NA	NA	11-Aug-2021	22-Aug-2022	27-Aug-2022	28-Aug-2022	6-Sep-2022	10-Sep-2022	12-Sep-2022	20-Sep-2022	25-Sep-2022	4-Oct-2022	9-Oct-2022							Final meeting conducted on 2 aug 2022, Decision awaited.
	Actual Date						28-Jul-2022	NR	NR	29-Jul-2022	30-Jul-2022	1-Aug-2022	2-Aug-2022	NR	6-Aug-2022	13-Aug-2022							
15	External development and hard scape & Land scape																						
	Planned date as per MCP (BL-4)	30-Nov-2021	10-Dec-2021	15-Dec-2021	20-Dec-2021	24-Dec-2021	22-Aug-2022	27-Aug-2022	31-Aug-2022	8-Sep-2022	14-Sep-2022	21-Sep-2022	29-Sep-2022	7-Oct-2022	9-Oct-2022	19-Oct-2022							
	Actual Date																						
16	Solar Power																						
	Planned date as per MCP (BL-4)	13-Feb-2022	8-Feb-2022	15-Feb-2022	20-Feb-2022	23-Feb-2022	29-Jul-2022	3-Aug-2022	4-Aug-2022	13-Aug-2022	17-Aug-2022	19-Aug-2022	27-Aug-2022	1-Sep-2022	11-Sep-2022	16-Sep-2022							
	Actual Date																						
17	Diesel Generator																						
	Planned date as per MCP (BL-4)	19-Aug-2022	29-Dec-2020	9-Sep-2021	19-Sep-2021	9-Oct-2021	8-Sep-2022	13-Sep-2022	14-Sep-2022	23-Sep-2022	27-Sep-2022	29-Sep-2022	7-Oct-2022	12-Oct-2022	22-Oct-2022	27-Oct-2022							PMC to review the procurement schedule as per the current status of project.
	Actual Date																						
18	Clubhouse Finishes & Pool Finishes																						
	Planned date as per MCP (BL-4)	15-May-2022	25-May-2022	30-May-2022	4-Jun-2022	8-Jun-2022	9-Jun-2022	17-Jun-2022	25-Jun-2022	4-Jul-2022	11-Jul-2022	16-Jul-2022	24-Jul-2022	31-Jul-2022	8-Aug-2022	13-Aug-2022							Schedule subject to complete design received from arch and consultant. Swimming pool procurement completed
	Actual Date (swimming Pool civil works and MEP)						3-Aug-2021	NA	NA			31st Aug 2021	13-Dec-2021										
19	STP & WTP																						
	Planned date as per MCP (BL-4)	11-Sep-2022	16-Sep-2022	21-Sep-2022	26-Sep-2022	30-Sep-2022	1-Oct-2022	6-Oct-2022	11-Oct-2022	20-Oct-2022	25-Oct-2022	30-Oct-2022	7-Nov-2022	14-Nov-2022	24-Nov-2022	29-Nov-2022							Yet to receive tender document from E-Solutions.
	Actual Date																						
20	Organic Waste convertor																						
	Planned date as per MCP (BL-4)	23-Sep-2022	28-Sep-2022	3-Oct-2022	8-Oct-2022	12-Oct-2022	13-Oct-2022	18-Oct-2022	23-Oct-2022	1-Nov-2022	6-Nov-2022	11-Nov-2022	19-Nov-2022	26-Nov-2022	6-Dec-2022	11-Dec-2022							
	Actual Date																						
21	Signages																						
	Planned date as per MCP (BL-4)	31-Aug-2022	5-Sep-2022	10-Sep-2022	15-Sep-2022	19-Sep-2022	20-Sep-2022	25-Sep-2022	26-Sep-2022	3-Oct-2022	7-Oct-2022	9-Oct-2022	17-Oct-2022	22-Oct-2022	1-Nov-2022	6-Nov-2022							
	Actual Date																						
22	CCTV																						
	Planned date as per MCP (BL-4)	28-Jul-2022	29-Dec-2020	2-Aug-2022	7-Aug-2022	12-Aug-2022	17-Aug-2022	22-Aug-2022	23-Aug-2022	30-Aug-2022	3-Sep-2022	5-Sep-2022	13-Sep-2022	18-Sep-2022	28-Sep-2022	3-Oct-2022							
	Actual Date																						
23	Video door phone																						
	Planned date as per MCP (BL-4)	4-Jul-2022	8-Feb-2022	16-Feb-2022	23-Feb-2022	28-Feb-2022	29-Jul-2022	3-Aug-2022	4-Aug-2022	13-Aug-2022	17-Aug-2022	19-Aug-2022	27-Aug-2022	1-Sep-2022	11-Sep-2022	16-Sep-2022							
	Actual Date																						

Prepared by:LAT Constructor Managers

Prepared by:LET Construction Managers

3.8 DAILY PROGRESS REPORT

 Homes that live in you																		
DAILY PROGRESS REPORT (DPR)																		
Project:		Park-63 (Phase-2) @ Shriram The Gateway													Reporting Date		10-Aug-22	
Client:		Shriprop Properties Private Limited													Progress on		9-Aug-22	
Consultant:		CBRE													Weather report		Cloudy	
Contractor:		GK SHETTY BUILDERS PVT LTD																
Description	Unit	Scope of Work (Aprox.)	Rate	Achieved up to Previous month	PROGRESS for the month							Cumulative Achieved AOD	Total Amount	Balance to be achieved	% completed	Planned for Today	Remarks	
					Planned Qty on	Planned Amount on	Achieved Qty on	Achieved amount on	% Achieved on	Achieved Qty for the month AOD	Achieved Amount for the Month AOD							
Sub Structure																		
Phase-2A																		
PCC	Cum	1056.00	5000.00	1239		-		-				1,239.00	61,95,000.00	0.0	117.33%			
Water proofing works	Sqm	11600.00	1000.00	11600		-		-				11,600.00	1,16,00,000.00	0.0	100.00%			
Concrete works	Cum	30638.00	5800.00	11145.65	0.00	-	0.00	-	0.00%	33.00	1,91,400.00	11,178.65	6,48,36,170.00	19,459.4	36.59%			
SDC concrete works	Cum		6300.00		2,832.00	1,78,41,600.00	19.00	1,19,700.00	13.42%	380.00	23,94,000.00					175.00		
Shuttering works - Ply	Sqm	18948.00	525.00	23280	0.00	-	0.00	-	0.00%	9.00	4,725.00	23,289.00	1,22,26,725.00	-4,341.0	122.96%			
Shuttering works - Waffle	Sqm	10234.00	1244.00	13070	0.00	-		-	0.00%		0.00	13,070.00	1,62,59,080.00	-2,836.0	127.71%			
Shuttering works - Aluminum	Sqm	388118.00	295.00	34986	30,000.00	88,50,000.00	900.00	2,65,500.00	22.75%	6,825.00	20,13,375.00	41,811.00	1,23,34,245.00	3,46,307.0	12.53%	150.00		
Reinforcement works	MT	3345.00	56000.00	1729	276.00	1,54,56,000.00	10.00	5,60,000.00	25.00%	69.00	38,64,000.00	1,798.00	10,06,88,000.00	1,547.0	55.81%	5.00		
Weld mesh works	MT	33.00	90000.00	32		-		-			0.00	32.00	28,80,000.00	1.0	96.97%			
Back filling works	Cum	4000.00	240.00	2355		-		-			0.00	2,355.00	5,65,200.00	1,645.0	58.88%			
Phase-2B											0.00							
PCC	Cum	1056.00	5100.00	815.5		-	0.00	-		18.50	94,350.00	834.00	42,53,400.00	222.0	80.73%	30.00		
Water proofing works	Sqm	11500.00	1000.00	7635		-		-			0.00	7,635.00	76,35,000.00	3,865.0	66.39%			
Concrete works	Cum	30638.00	5800.00	5837.85	1,370.00	79,46,000.00	127.50	7,39,500.00	23.54%	322.50	18,70,500.00	6,160.35	3,57,30,030.00	24,477.7	21.16%	150.00		
Shuttering works - Ply	Sqm	18948.00	525.00	13990	2,530.00	13,28,250.00	50.00	26,250.00	15.81%	400.00	2,10,000.00	14,390.00	75,54,750.00	4,558.0	78.06%	50.00		
Shuttering works - Waffle	Sqm	10234.00	1244.00	7001	1,350.00	16,79,400.00	50.00	62,200.00	70.74%	955.00	11,88,020.00	7,956.00	98,97,264.00	2,278.0	87.07%	100.00		
Reinforcement works	MT	3345.00	56000.00	790.5	196.00	1,09,76,000.00	12.00	6,72,000.00	31.12%	61.00	34,16,000.00	851.50	4,76,84,000.00	2,493.5	27.28%	5.00		
Weld mesh works	MT	33.00	96000.00	8	10.00	9,60,000.00	0.00	-	0.00%	0.00	0.00	8.00	7,68,000.00	25.0	24.24%			
Back filling works	Cum	4000.00	240.00	790		-		-				790.00	1,89,600.00	3,210.0	19.75%			
						6,50,37,250.00					1,52,46,370.00		34,12,96,464.00					
Material as of		Concrete in cum							Aluminum Materials (Sqm) 09-Aug-22			754.00						
9-Aug-22	Indented	Consumed Previous	Consumed Today	Consumed Cumulative	Remarks	Previous			Today	Cumulative								
Grade wise						14575.00			0.00	14575.00								
M10	75.0	2,099.0		2,099.0														
M30	1,239.5	12,113.5	124.00	12,237.5														
M30 SDC	1,676.0	3,239.0	19.00	3,258.0														
M40	395.0	3,962.8	3.50	3,966.3														
M40 SDC	100.0	1,427		1,426.5														
	3,485.5	22,840.8	146.5	22,987.3														
		Reinforcement in MT							Water Proofing Materials(Sqm)as of 09-Aug-22									
Dia wise	Indented	Received Aug'22	Cum. Received	Consumed Previous	Consumed Today	Consumed Cumulative	Stock @ Site & WIP	Received	Consumed Previous	Consumed Today	Consumed Cumulative							
8mm	265.000		721.900	697.1	10.00	707.1	14.8	22500.00	17890.00		17890.00							
10mm	90.000		405.930	374.87	4.00	378.9	27.1											
12mm	90.000		617.600	605.36	4.00	609.4	8.2											
16mm	60.000		648.550	625.60	4.00	629.6	18.9											
20mm	30.000		271.030	271.00		271.0	0.0											
25mm	5.000		125.390	124.25		124.3	1.1											
32mm			26.890	24.30		24.3	2.6											
	540.000	-	2,817.290	2,722.48	22.00	2,744.48												

Daily Labour report on 10-Aug-22																																																														
Description	Site Infra		BLOCK-21		BLOCK-20 & Swim Pool		BLOCK-19 & NT 7&8		Block-18		Block-24		Block-22		Block -23 & STP		Total																																													
	Skilled	Helper	Skilled	Helper	Skilled	Helper	Skilled	Helper	Skilled	Helper	Skilled	Helper	Skilled	Helper	Skilled	Helper	Skilled	Helper																																												
Mason + Helper			3	14	2	10	4	10	4	11	4	10	2	7	2	10	21	72																																												
Carpenter + Helper					4	7			2	3	10	10	4	10	6	11	26	41																																												
Barbender + Helper	10	15	5	10	10	20	10	15	5	8	5	10	1	1	5	7	51	86																																												
Alu Carpenter			15	30	20	26	20	30									55	86																																												
Scaffolders				7		5		5						2			0	19																																												
Dewatering Works																	0	0																																												
Other agency				3													0	3																																												
Other works																	0	0																																												
Total	10	15	23	64	36	68	34	60	11	22	19	30	7	20	13	28	153	307																																												
Machinery Deployed <table><tr><th>Category</th><th>Unit</th><th>Qty</th><th>Remarks</th></tr><tr><td>DG</td><td>Nos</td><td>3</td><td></td></tr><tr><td>JCB</td><td>Nos</td><td>1</td><td></td></tr><tr><td>Tower crane</td><td>Nos</td><td>2</td><td></td></tr><tr><td>Dewatering Pump 10 Hp</td><td>Nos</td><td>1</td><td></td></tr><tr><td>Dewatering Pump 7.5 Hp</td><td>Nos</td><td>6</td><td></td></tr><tr><td>Dewatering Pump 5 Hp</td><td>Nos</td><td>1</td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>Total</td><td>Nos</td><td>14</td><td></td></tr></table>																			Category	Unit	Qty	Remarks	DG	Nos	3		JCB	Nos	1		Tower crane	Nos	2		Dewatering Pump 10 Hp	Nos	1		Dewatering Pump 7.5 Hp	Nos	6		Dewatering Pump 5 Hp	Nos	1														Total	Nos	14	
																			Category	Unit	Qty	Remarks																																								
																			DG	Nos	3																																									
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																			Dewatering Pump 10 Hp	Nos	1																																									
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																			Dewatering Pump 5 Hp	Nos	1																																									
Total	Nos	14																																																												
Staff Deployed <table><tr><th>Designation</th><th>Unit</th><th>Qty</th><th>Remarks</th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>Execution team</td><td>Nos</td><td>23</td><td></td></tr><tr><td>QA/QC</td><td>Nos</td><td>3</td><td></td></tr><tr><td>Planning & Billing</td><td>Nos</td><td>3</td><td></td></tr><tr><td>Safety</td><td>Nos</td><td>5</td><td></td></tr><tr><td>Admin/Store</td><td>Nos</td><td>3</td><td></td></tr><tr><td>PMV</td><td>Nos</td><td>10</td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>Total</td><td>Nos</td><td>47</td><td></td></tr></table>																			Designation	Unit	Qty	Remarks					Execution team	Nos	23		QA/QC	Nos	3		Planning & Billing	Nos	3		Safety	Nos	5		Admin/Store	Nos	3		PMV	Nos	10						Total	Nos	47					
Designation	Unit	Qty	Remarks																																																											
Execution team	Nos	23																																																												
QA/QC	Nos	3																																																												
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Safety	Nos	5																																																												
Admin/Store	Nos	3																																																												
PMV	Nos	10																																																												
Total	Nos	47																																																												
HINDRANCES																																																														
Description					From		To (time)		Duration				Remarks																																																	
Due to reinforcement issue the steel work are kept hold from 16/3/22 to 24/3/22																																																														
Heavy rain fall - 10/5/2022					2.00am		11.00am																																																							
Drizzling and rainfall - 12/5/2022					1.00pm		10.00pm																																																							
Drizzling and rainfall - 14/5/2022					2.00pm		4.35pm		Full day drizzling and Heavy rainfall-4pm to 4.35pm																																																					
Heavy rainfall - 17/5/2022					12.50pm		1.35pm																																																							
Heavy rainfall - 25/5/2022					1.00pm		2.00pm																																																							
Captive plant breakdown 27-05-2022					6.00am		12.00am		Full day																																																					
Non availability of cement in Captive plant 4/6/22 to 5/6/22					6.00am		12.00am		2 days																																																					
Non availability of cement in Captive plant 9/6/22 to 11/6/22					6.00am		12.00am		3 days																																																					
Heavy rainfall -19/06/22					10.00pm		3.00am		5 hrs 00mins																																																					
Heavy rainfall -20/06/22					6.30pm		8.00pm		1 hrs 30mins																																																					
Heavy rainfall and Drizzling -20/06/22					10.30pm		2.00am		3 hrs 30mins																																																					
Heavy rainfall -21/06/22					3.00pm		6.30pm		2 hrs 30mins																																																					
Batching Plant breakdown-27/06/2022 -Full day					6.00am		12.00am		12 hrs 00mins																																																					
Batching Plant breakdown-28/06/2022 - Half a day					12.00am		3.00pm		Half day																																																					
Heavy rain fall and drizzling-29/06/2022					3.00pm		12.00am																																																							
Heavy rain fall and drizzling-30/06/2022					6.00pm		12.00am																																																							
Heavy rain fall and drizzling-01/07/2022					10.00pm		12.00am																																																							
Heavy rain fall and drizzling-03/07/2022					6.00pm		12.00am																																																							
Heavy rain fall and drizzling-06/07/2022					1.00pm		5.00pm																																																							
Heavy rain fall and drizzling-12/07/2022					7.30pm		8.00pm																																																							
Heavy rain fall and drizzling-13/07/2022					7.30pm		8.00pm																																																							
Heavy rain fall and drizzling-16/07/2022					7.30pm		11.30pm																																																							
Heavy rain fall and drizzling-23/07/2022					4.25pm		5.15pm																																																							
Heavy rain fall and drizzling-03/08/2022					4.30am		12.00pm																																																							
Constrains																																																														
Description												Remarks																																																		
1. STP - Stair case drawing																																																														
2. Surface drain grating details and supporting angle details																																																														

3.9 CHECKLIST

park 63		Reinforcement Checklist 029		CBRE	
Project	Shriram Park 63 Phase-2		Inspection Report No.		
Client	Shriprop Properties Pvt. Ltd.		Date		
PMC	CBRE South Asia Pvt. Ltd.		Structural Member		
Vendor	G.K. Shetty Builders Pvt. Ltd.		BBS.Ref.No.		
Package	Civil Structure (Reinforcement)		Quantity		
Description of Work	Reinforcement work		Inspection Request		
Wing	Dwg.Ref. No.	ST-B20 050	Rev		
Floor	Level	92.5	Inspected by	By	Time
Location	Grid	20	mohan	Pravin	
Sl. No.	Description	Yes	No	NA	Remarks
1	Method of work agreed and all parties involved / informed about specified tolerance	✓			
2	Check for latest revision of drawing	✓			
3	BBS Submitted	✓			
4	Steel used from approved lot	✓			
5	Check for grade of steel / test certificate	✓			
During placing					
1	Earlier comments attended	✓			
2	Dis of bars as per certified BBS	✓			
3	No. of bars as per certified BBS	✓			
4	Length of bars as per certified BBS	✓			
5	Spacing of bars as per certified BBS	✓			
6	Sufficient laps/development length provided	✓			
7	Dimension of stirrups as per certified BBS	✓			
8	Check for stirrups at beam column junction	✓			
9	Check for dimension, number of chairs	✓			
10	Check for cover and cover block material	✓			
11	Check for position and fixing of couplers	✓			
12	Check for provision of dowel bars	✓			
13	Additional reinforcement at opening / cut-outs if required	✓			
14	Check gauge of binding wire & sufficient binding of reinforcement	✓			
15	Check whether column location marked on slab top mat and one complete stirrup set of column provided over top mat	✓			
16	JMS submitted	✓			
Observation if any :					
① Top mesh slab Area Bending properly					
② Retaining wall Bending properly					
③ Beam 26 Top extra 10mm dia bars (1 Nos)					
④ Beam 25 Top extra Bar 12mm dia 10 nos					
Above Observations attended to and completed					
Approved for next stage					
Note : The Quantity mentioned above is approximate measure and can not be considered for any billing purpose. Only JMS to be considered for billing else GFC drawings are to be referred for quantity.					
The above works have been completed and accepted					
Signature	Contractor Civil	Contractor Quality	Contractor Safety	CBRE Representative	CBRE Safety
Name	R. Praveen	Pravin	K. Elammani	R. Mohan	
Date	16/11/2021	16-11-21	16/11/2021	16/11/2021	
Time			10:00	10:30	
Distribution Original : CBRE - QS cc : Vendor					

park 63		Concrete Checklist/Pour Card		CBRE	
Project	Shriram Park 63 Phase 2		Inspection Report No.		
Client	Shriprop Properties Pvt. Ltd.		Date		
PMC	CBRE South Asia Pvt. Ltd.		Structural Member		
Vendor	G.K. Shetty Builders Pvt. Ltd.		Grade of Concrete:		
Package	Civil structure (RCC/PCC)		Quantity		
Description of Work	Concrete work		Inspection Request		
Wing	Dwg.Ref.No.	HSP2-221-AC-307	Rev		
Floor	Level	94.65 to 94.75	Inspected by	By	Time
Location	Grid	21 (H, J) (8, 10)	Mr. Mohan	Vignesh	9am
Sl. No.	Description	YES	NO	NA	Remarks
1	Method of work agreed and all parties involved/informed about specified tolerance	✓			
2	Check for proper access to the pour	✓			
3	Approved checklist for reinforcement	✓			
4	Approved checklist for formwork	✓			
5	Approved checklist for post tension work	✓			
6	Mode of Concrete - Crane / Pump / Manual	✓			
7	Availability of sufficient vibrators	✓			
8	Availability of polythene sheet to protect the concrete against rain	✓			
9	Formwork and Rebar work approved	✓			
10	Conduits/ Ducts opening/ Insert Plates/Sleeves	✓			
11	Cleanliness of pour area	✓			
12	Preparation of old and new concrete joint	✓			
13	Mix grade checking as per design mix/specified	✓			
14	Proper vibration / compaction	✓			
15	Shear key provided	✓			
In case of incomplete pour					
a	Location of construction joint agreed / approved	✓			
b	Construction joint formed properly	✓			
Observations if any :					
Above Observations attended to and completed					
Note : The quantity mentioned above is approximate measure and can not be considered for any billing purpose. Only JMS to be considered for billing else GFC drawings are to be referred for quantity.					
The above works have been completed and accepted					
Signature	Contractor Civil	Contractor Quality	Contractor Safety	CBRE Representative	CBRE Safety
Name	S. Vignesh	Vishnu	Vignesh		
Date	25/09/21	25-9-21	25/9/21		
Time	9:00	9am			
Distribution Original : CBRE - QS cc : Vendor					

4. LEARNINGS FROM PROFESSIONAL TRAINING

The 30 days Professional Training at CBRE, Chennai was a useful learning platform to gain an insight about the roles and responsibilities of a Project Manager and the organizational structure of PMC. The various areas where I gained knowledge are as follows:

- Importance of time management in the construction field
- Coordination between client, contractor and vendors
- Proper planning and scheduling through MS Project
- Allocating resources to ensure efficient utilization
- Project monitoring and control
- Snagging and de-snagging
- Material and system inspection
- Contract management and Document maintenance
- Project Execution Plan (PEP)
- Delay analysis
- Change control management
- Budget allocation and control
- Importance of project closure and HOTO process
- MIVAN Formwork sequence
- UPTIME certification