

**Annexure No. 11: CER letter submission to SEAC-II, Maharashtra**

Data Center Holdings India LLP  
K1, Phase III, Country Park, Opp. Tata Steel  
Dattapada Road, Borivali (East),  
Mumbai-400066,  
Maharashtra, India  
Registration No.: AAM-2141  
(A Limited Liability Partnership)

**Corporate Environmental Responsibility**

To,  
The Chairman,  
SEAC-II, Mantralaya,  
Mumbai 400032

In accordance with the circular issued by Ministry of Environment, Forest and Climate Change (MoEFCC) dated May 01, 2018 and subsequent circular of June 22, 2018 on Corporate Environment Responsibility we hereby submit out plan as below:

**A. Basic Information of the Project**

Sr.No.	Description	Details
1	Name of the Project	Proposed Data Center Project by Data Center Holdings India LLP
2	Location of the project	5 & 5A, Kalwa Industrial Area, MIDC, Thane, Beispur Road, Airoli -Navi Mumbai, Thane 400708
3	Project type (green/brown field)	Brown Field

4	Cost of the project as mentioned in CS (Rupees in Lakhs)	168750 lakhs
5	Any previous EC and Completion certificate of the part of the project before May 01, 2018, if yes give the details with date and reference number	No
6	Cost of the part completed project (as per details given at Sr.No.5)	No
7	Effective cost of the project for CER consideration (4-6)	168750 lakhs
8	Applicable norms in terms of %of the project cost for CER and amount (Rupees in Lakhs)	3.25% 4.2 Crores
9	Expected duration for completion of the project (Years)	1.12 years (410 calendar days)
10	Implementing Agency identified (NGO/Trust/ULB) give name and details	United Way of Mumbai 23866 309, Nirman Kendra, Dr. E Moses Road, Famous studio lane , Mahaleksini Estate Mumbai Maharashtra, 400011
11	Please attached agreement with implementing agency	Screenshot attached of NGO onboarding

**B. CER Activities Proposed:** (please propose as per the suggested list given in table below)

Sr. No.	Description	Details
1	Any issues raised during the public hearing, social need assessment, R&R plan, EMP, etc	NO
2	If Yes Please give details	N/A
3	CER activities proposed to be from suggested activities as infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, cross drains, electrification including solar power, solid waste management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, avenue plantation, plantation in community areas, community level sewage treatment plant, solid waste (composter or Biogas plants), air quality monitoring, research activities on environmental aspects, training programmes on waste management including skill development, studies related to environmental aspects for town/city/village, pilot projects on clean energy/ environment, etc	<ol style="list-style-type: none"> <li>1. <u>Tree Plantation</u>:- Support for Project Through plantation of saplings in Navi- Mumbai</li> <li>2. <u>Waste Management</u>:- Swachh Airoli: Solid Waste Management Campaign in Digha Airoli.</li> </ol>

4	Consent of implementing agency (NGO etc.) and local authority to accept the CER in case of environmental infrastructure project	1. United Way Mumbai (Tree Plantation, Waste Management, Clean Shores Mumbai)
5	Year wise activity indicating the detail	Sheet attached
	of plan and cost (as applicable for duration of the project) attach separate sheet with Gnal Chart which will be useful for monitoring.	
	First Year (indicate year)	INR 8,437,500/-
	Second Year	INR 8,437,500/-
	Third Year	INR 8,437,500/-
	Fourth Year	INR 8,437,500/-
	Fifth Year	INR 8,437,500/-

We undertake to complete the work with our CER commitment as per this plan.

  
 (Signature of Project Proponent)

Place:

Date: 01/11/2019

**Annexure No. 12: E-waste Agreement copy**



# Green India

E-Waste & Re-Cycling OPC Pvt.Ltd.

## TO WHOMSOEVER IT MAY CONCERN

This is to mention that **Green India E-Waste & Recycling OPC Pvt Ltd.** Survey No. 74, Hissa No. 1/A, Garib Nawaz Estate, Mumbra-Panvel Road, Dahisar Mori, Thane -400612 will be collecting all type of E-waste and Batteries from **Data Center Holdings India LLP.** Plot No. 5/5A, Kalwa Industrial Area, Thane Belapur Road, Near Digha Power House, Digha, Airoli Navi Mumbai – 400708 as and when generated.

For Green India E-Waste & Recycling OPC Ltd



Green India E-Waste & Recycling Opc Pvt. Ltd

Reg.Office: SS-3/1, Sector 2, Near Navi Mumbai School, Vashi Navi Mumbai-40070  
lity: Survey No.74, Hissa No.1/A, Garib Nawaz Estate, Opp. Vipul Lodge, Mumbra-Panvel Road, Dahisar Mori, Thane- 40061

CIN: U37200MH2015OPC262703

| [www.gier.co.in](http://www.gier.co.in)

| [info@gier.co.in](mailto:info@gier.co.in)

**Annexure No. 13: Commencement certificate and Approved Plans copy**



**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**

(A Government of Maharashtra Undertaking)



Phone: 27781602

No.EE/SPA/5 & 5A/ D28178 /of 2019,  
Office of the Executive Engineer &  
Special Planning Authority,  
MIDC Dn. No. II Mahape.  
Date:-03 /10/2019.

To,  
M/s. Data Center Holdings India LLP.  
Plot No. 5 & 5A,  
TTC Industrial Area  
Navi-Mumbai.

**Sub: COMMENCEMENT CERTIFICATE**

Sir,

With reference to your architect's online submission through SWC vide tracking I.D. No. SWC/14/521/20190319/620610 & complied on 30/09/2019 for grant to sanction of commencement certificate to carry out development work and Building Permit under section 45 of MR&T.P. Act, 1966 to erect Proposed Construction of IT/I.T.E.S. Building on Plot No. 5 & 5A in T.T.C. Indl. Area, the commencement/ Building permit is granted subject to the following condition & for total B.U.A. as per the approval to the plans attached.

1. The land vacated in consequence of the enforcement of the set-back rule part of the public street.
2. No new building or part thereof shall be occupied or allowed to be occupied or use or permitted to be used by any person until occupancy permission has been granted.
3. The commencement certificate/building permit shall remain valid period of one year commencing from the date of its issue.
4. This permission does not entitle you to develop the land which does not vest in you.
5. Minimum two trees in plots of 200.00 sqm. & such No. of trees at the rate of one tree per 100.00 sqm. for plots more than 200.00 sqm. in area shall be planted & protected.
6. In case of group housing, minimum two trees per tenement shall be planted and protected.
7. The party should inform the commencement of work as per the approval issued by this office.
8. Temporary labour camps, Toilet blocks & Water tanks within the site are allowed only during the phase of construction period of 2 years only.
9. The work of construction of temporary structure shall be executed under qualified structural engineer/Architect.
10. Allottee has to pay temporary construction fees at the rate of Rs. 50/- per Sqm. of such covered area of temporary structures.
11. Equal amounts as fees should be paid as deposit, which will be refundable at the end of the two years, or on completion of project whichever is earlier after removal of by the Allottee / Licensee / Lessee / Owner.
12. Failure to remove such temporary sheds will be liable for forfeiture of the deposit and any such failure continuing beyond stipulated period shall be liable for imposition of penalty which will be 3 times the rate of Rs. 50/- per Sqm.

Your's faithfully,  
**Maruti S**  
**Kalkutaki**  
Executive Engineer &  
Special Planning Authority  
MIDC Division No.II Mahape

**Copy submitted to :**

1. The Collector, District Thane, for information.
2. The Municipal Commissioner, N.M.M.C. for information.
3. The Chief Fire Officer, MIDC, Andheri for information.

**Copy f.w.c.'s to**

1. The Regional Officer, MIDC Mahape, for information.
2. Architect Mr. Tanay Mehta, Navi Mumbai for information & further needful please.

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
(A Government of Maharashtra Undertaking)



No EE/SPA/5 & 5A/ D28178 /of 2019.  
Office of the Executive Engineer,  
MIDC Dn. II, Mahape , Navi Mumbai .  
Date: - 03/10/ 2019.

To,  
M/s. Data Center Holdings India LLP.  
Plot No. 5 & 5A  
TTC Industrial Area, Rabale  
Navi-Mumbai.

**Sub :- TTC Industrial Area.**

Plan Approval for proposed Fresh Building plan on Plot No.  
5 & 5A in TTC Industrial Area.

**Ref.:- 1. Tracking Id: SWC/14/521/20190319/620610**  
Complied on 30.09.2019.

Dear Sir,

You have submitted application for Approval to Building Plan for proposed structure. Above applications are examined and following approvals are hereby granted...

**A] Building Plan Approval**

Since you have paid following .....

- 1) **Development charges**, amounting to **Rs. 81,27,433.02** vide receipt no. GL20011190 dt.05/04/2019 & GL 20334462 dtd. 26.09.2019 **Labour Cess** amounting to **Rs. 62,90,000/-** vide receipt no. GL20011190 dt.05/04/2019 & GL 20334462 dtd. 26.09.2019 & **Scrutiny fees** amounting to **Rs.1,50,000/-** vide receipt no. GL20011190 dt.05/04/2019 & GL 20334462 dtd. 26.09.2019, Fire protection Charges **Rs. 25,29,886.67** vide receipt no. GL20011190 dt.05/04/2019 & GL 20334462 dtd. 26.09.2019.

The set of plans, received from you vide your letter cited above, is hereby approved subject to acceptance and follow up of following conditions by you.

- 1) You had submitted plans and drawings for **7263.92 m<sup>2</sup>** of plinth area for the plot area of **62490.00 m<sup>2</sup>**., at present this office has approved plans for total up to date **23,695.14 m<sup>2</sup>**. of built up area. This office has approved **12 Nos.** of drawing details of which are mentioned on the accompanying statement.

- 2) In addition, to this approval the plot holder shall obtain approval for plans from other requisite authorities as per necessity, such as from :-

The building plans needs to be got approved from :

- i) Directorate of Industrial Safety & Health.  
ii) Any other Govt. authorities which may be mandatory.

Certificate copies of plans along with a letter for approval from the above authorities in triplicate shall be submitted/to the DE & SPA , before starting the work.

This building plan approval is with respect to planning point of view and in accordance to MIDC's Development Control Rules, since MIDC is Special Planning Authority (SPA) for this Area.

3. In case of approval to the modified plans, The original approval to the drawings granted vide letter No. Nil from the Office Executive Engineer MIDC Dn. II, Mahape is treated as cancelled as the drawings approved now supersedes the previously approved drawings. You are requested to return the above cancelled drawings to this office for records and cancellation.
4. You will obtain Environment Clearance Certificate before Commencement of any construction activities, if applicable to their project as per the notification issued by MoEF, Govt. of India vide Notification issued by MoEF, New Delhi dtd.14. 09. 2006 and its subsequent amendments'.
5. You are requested to submit certified copies of above approvals from the concerned authorities to this office, in triplicate before any work is started OR within three months from the date of issue of this letter whichever is earlier.
6. For the sanitary block, overhead water storage tank shall be provided at the rate of 500 liter per W.C. or Urinal.
7. For necessary approach road to the plot from the edges of MIDC. Road, 900 mm dia CD works or a slab drain of required span and size shall be provided.
8. Temporary structures shall not be allowed except to during construction period (after obtaining prior approval from Executive Engineer.) and the same shall be demolished immediately after building work is completed.
9. During the period of construction, stacking of materials shall be done only in the area of plot allotted. In no case, material be stacked along MIDC, road land width/open plot area.
10. The marks demarcating boundary of the plot shall be preserved properly and kept in good condition and shown to department staff as and when required.
11. No tube well, bore well or open well shall be dug.
12. Plans for any future additions, alterations or extensions will have to be get approved from this office, as well as from concerned competent authority.
13. The present approval to the plans does not pertain to approval to the structural design, RCC members, foundations etc. It is only locational approval to the layout of various structures & floors with reference to the plot, in accordance to MIDC DCR.
14. In case any power line is passing through the plot, the plot holder should approach MSEDCL and obtain their letter specifying the vertical and horizontal clearance to be left and plan his structures accordingly.
15. The compound wall gate should open inside the plot and if the plot is facing on two or more sides of the road then gate shall be located at least 15 m. away from the corner of junction or roads.
16. Plot holders shall make his own arrangement for 24 hours of storage of water, as uninterrupted water supply cannot be guaranteed.
17. In case, water stream/ nallah is flowing through the allotted plot, the plot holder has to ensure that the maximum quantity of rain water that flows at the point of entry of stream is allowed to flow uninterruptedly through the plot and upto the point of out flow of the original stream. The points of entry and exit of the natural stream shall not be changed. The detailed plans section and design

18. for allowing maximum expected discharge of rain water through the plot have to be furnished to this office and no filling of plot and diversion of nalla is allowed unless a written permission is obtained from the Executive Engineer/SPA.
19. This permission stands cancelled, if no construction work is started within twelve months from the date of issue of this letter or the date given in the agreement to lease to start construction work whichever is earlier. The date of starting construction work and date of completion shall be informed to the Executive Engineer in charge immediately. The construction shall be completed within the given stipulated time limit as per the lease agreement.
20. Breach of any rules stipulated will render the plot -holder liable for action as provided in MIDC., Act 1961 ( II of 1962 and regulations made there under) and also terms of lease agreement and schedule of penalties prescribed by the Corporation for this purpose.
21. This office is empowered to add, amend, vary or rescind any provisions of Building Rules & regulations from time to time as it may deem fit, and the plot-holder has to be abide by these rules and regulations.
22. As soon as the building work is completed, the plot-holder shall approach to the concerned Deputy Engineer/Executive Engineer, to get the work verified and building shall not be occupied unless building completion certificate and occupancy certificate is obtained from this office.
23. The plot-holder within a period of one year from the date of agreement to lease, shall plant at least one tree per 100 Sq. m. of plot area along the periphery of the plot. In addition, he shall also plant one tree per 15 m. on the frontage of road or part thereof inside the plot and maintain the trees so planted in good condition throughout the period of agreement to lease.
23. The basement if provided is to be used only for storage purpose. No. manufacturing activates are allowed, similarly toilet is not allowed at the basements.
24. The Name and plot number shall be displayed at main entrance of plot.
25. The plot holder shall construct ETP as per consent of MPCB & treat & dispose effluent as per MPCB Consent to establish & operate.
26. The plot holder shall ensure that, the foundation of the building / structure shall rest on the firm strata and not on made up / filled ground. The Architect and structural consultant appointed by the owner will be solely responsible for this condition.
27. MIDC issues permission for development of plots which are situated on river banks, adhering to the contents of the River Policy dt. 13th July 2009 and as per category of Industries. PIL No. 17 of 2011 is filed against this policy at the Hon'ble High Court Bombay. It is clarified that, grant of any permission by the MIDC to any new industry in industrial estate situated on river banks will be subject to any further orders which may be passed by Hon'ble High Court, Bombay under PIL No. 17 of 2011.

## **B] Drainage**

### **i) Drainage Plan Approval (Internal Works)**

The set of plans in triplicate received along with the letter under reference for the above work is scrutinized the proposal is approved subject to condition as follows:

The work of internal and external water supply and sanitary fittings etc for the above building shall be carried out through the a licensed plumber registered at local authority or of Environmental Engineering Department, or Govt. of Maharashtra.

1) The work should be carried out as per specifications confirming to I.S.S. In case they are not covered under I.S.S. then standard practice allowed by Municipal Corporation / or Local Council shall be followed.

2) The wastewater from water closets and urinals shall be passed through a septic tank of standard design.

3) The present approval to the plans does not pertain to the design of septic tank, effluent treatment plant etc. It is only location approval to these structures with reference to the plot.

4) You will be allowed to join your effluent to MIDC's common effluent collection system only after obtaining of necessary N.O.C. from M.P.C. Board and actual commissioning of pretreatment activity the factory effluent will be allowed to connect to MIDC system

5) Overhead water tank shall be provided at the rate of 500 Litters per W.C./ Urinal provided.

6) The waste water from the closets and Urinals shall be passed through the septic tanks, which is to be adequate to meet the requirements of the persons working in the factory and process waste if any, prior to septic tank in series with suitable size of 100 mm dia sewer trap, inspection chamber with 80 mm dia vent pipe shall be provided.

7) All vent pipes shall be minimum 80 mm dia size.

8) All rain water down take pipes shall be minimum 100 mm dia and should be provided at the rate of 1 Nos. Per 25 Sq. m. of roof area.

9) All S.W. pipes shall be minimum of 150 mm dia size.

10) It should be seen that no overflow of water from the soak pit or any process waste enters in to adjoining property or road.

11) Rain water pipes are not to be connected to underground effluent collection system. Separate drainage system shall be provided for collection of Industrial and Domestic wastes. Manholes shall be provided at the end of collection system with arrangements for measurement of the flow.

12) In case any of the requirements, stated as above is violated by the plot holder then he is liable for disconnection of water supply and is liable for action provided under\ MIDC., Act and various regulations and as per provision in the lease agreement.

13) The completion of work as per above requirements, it shall be jointly, inspected by the concerned Deputy. Engineer, of MIDC and your representative who has designed and executed work, without which drainage completion certificate will not be issued.

14) The waste water after treatment shall be soaked in a soak pit, if sewer line is not available for the plot; whereas if effluent collection system, of MIDC is functioning, then effluent shall be connected to the same after getting drainage plans approved from this office. The effluent shall be out letted only after pretreatment confirming to the standards stipulated by Maharashtra Pollution Control Board of Govt. of Maharashtra and after obtaining their consent under water Act 1974, Air Act 1981, & Hazardous waste Rules 2008 and subsequent amendments.

➤ Guard File.

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
(A Government of Maharashtra Undertaking )

The statement is accompnement to letter No.EE/SPA /5 & 5A/ D28178 / 2019, Dated. 03/10 /2019. issued by M.I.D.C. addressed to for M/s. Data Center Holdings India LLP. Plot No. 5 & 5A in TTC Industrial Area.

- 1) **Fresh Plans :-**
- 2) **Allottees Name :-** M/s. Data Center Holdings India LLP., Plot No. 5 & 5A in TTC Industrial Area.

Sr. No.	Drawing No. &Date	Name of Architects	Description	Plinth Area Sqm.	Ground fl. Area Sqm.	1 <sup>st</sup> Floor Area in sqm	2 <sup>nd</sup> Floor Area in sqm	3 <sup>rd</sup> Floor Area in sqm	4 <sup>th</sup> Floor Area in sqm	Total Sqm.
1	2	3	4	5	6	7	8	9		10
2.	12 Nos	M/s. Tanay Mehta, LIC No. CA/2014/62746.	Now proposed:- Plan showing Ground Floor Plan, Plinth Floor, 1 <sup>st</sup> Floor, 2 <sup>nd</sup> Floor, 3 <sup>rd</sup> Floor, 4 <sup>th</sup> Floor, Front Elevation, Area Diagram, Section, Side Elevation, Layout Plan, Area Calculation, Area Statement.	7263.92	6998.63	5131.31	5327.20	5128.49	1109.51	23695.14
			<b>Gross Total-</b>	7263.92	6998.63	5131.31	5327.20	5128.49	1109.51	23695.14

Area of the plot .

= 62490.00 m2

Plinth Area

= 7263.92 m2

Ground coverage .

= 7263.92 / 62490.00 = 0.39 < 0.50 .....O.K.

Total Built -up area

= 23695.14 m2

FSI consumed

= 23695.14 / 62490.00 = 0.40 < 1.00 ..... O.K.

Maruti S

Kalkutaki

Digitally signed by Maruti S Kalkutaki

DN: cn=N, o=Government Of Maharashtra,

ou=Maharashtra Industrial Development

Corporation, postalCode=400710, st=Maharashtra,

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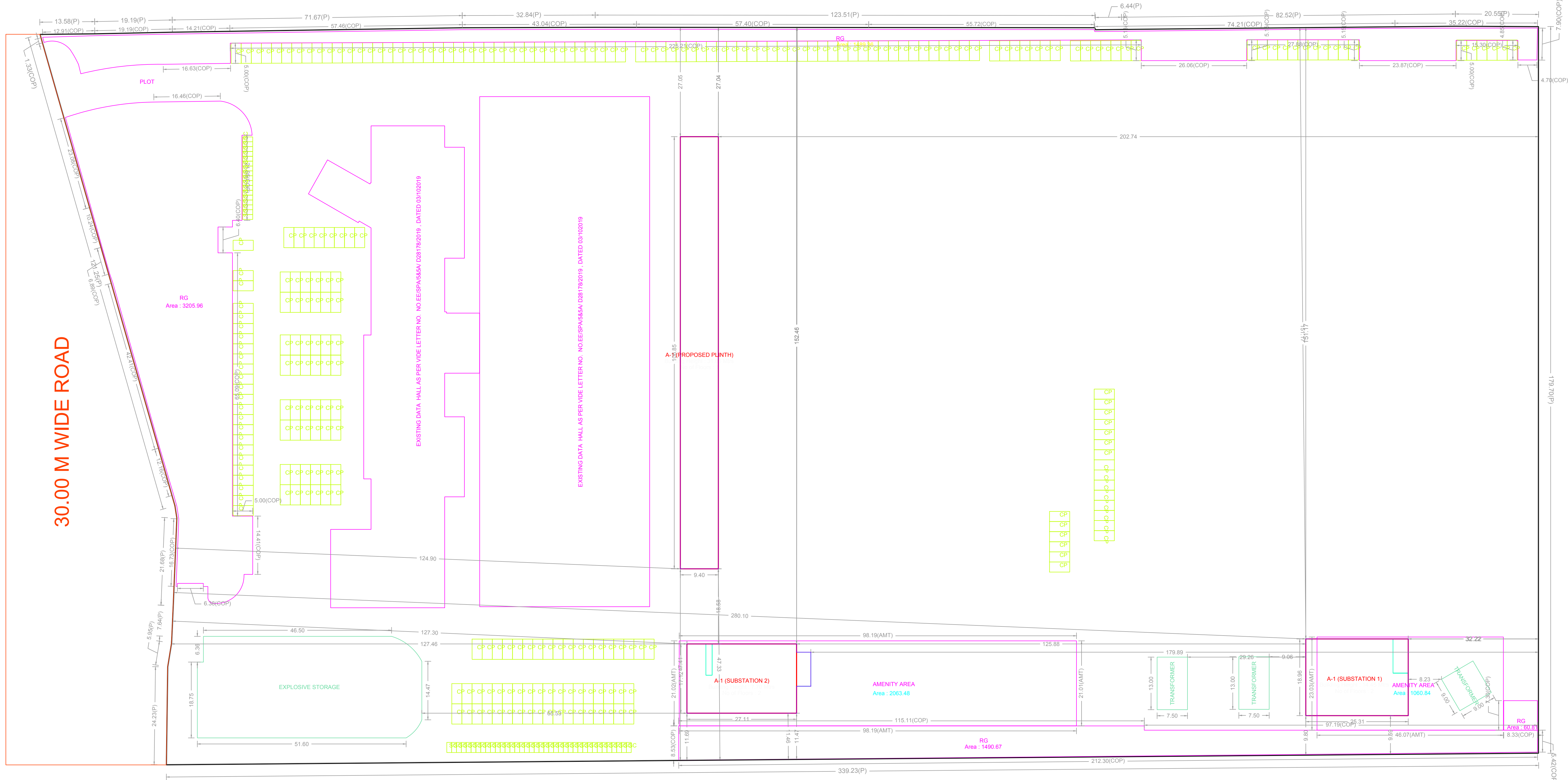
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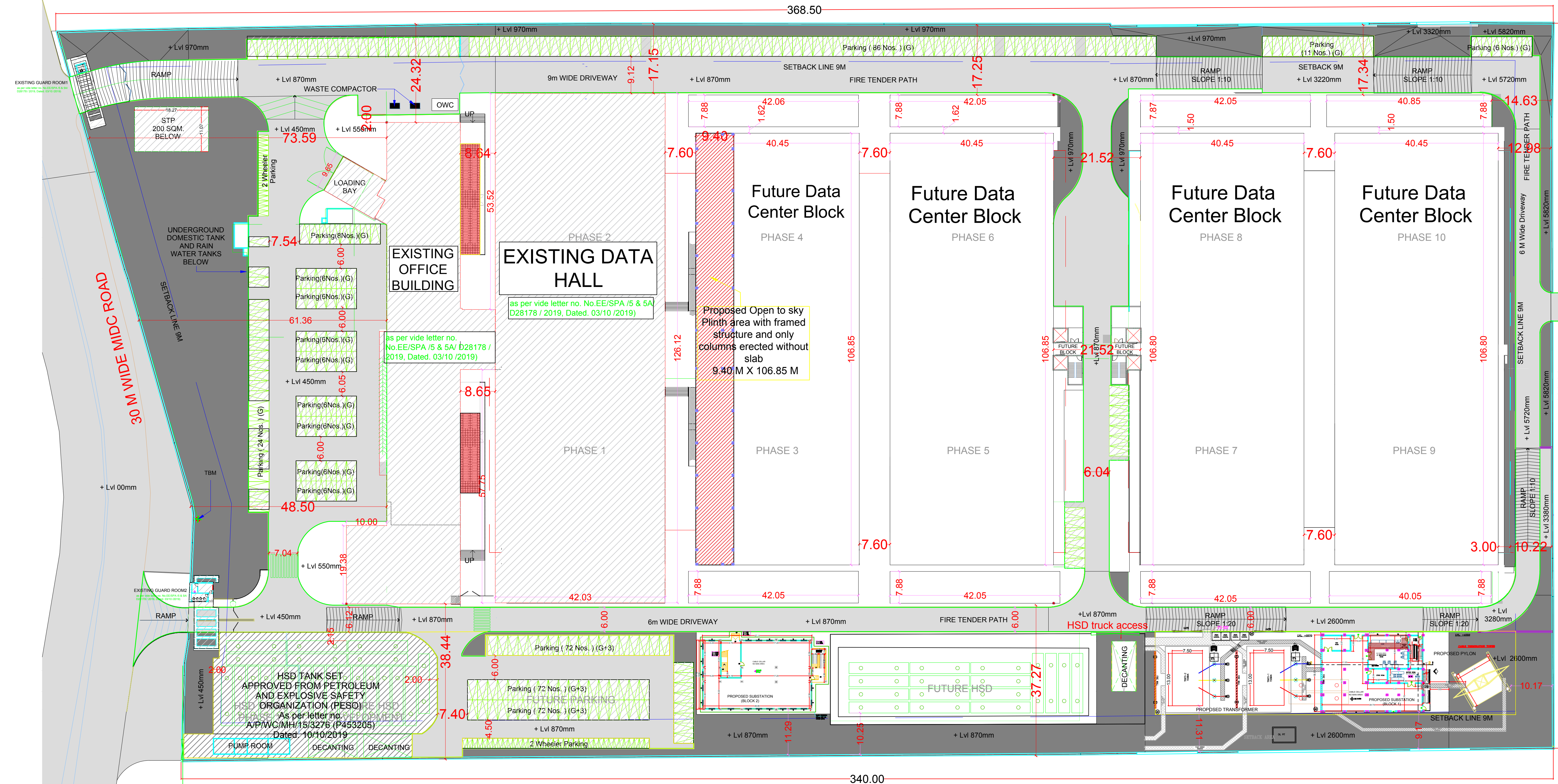
Executive Engineer & SPA,

MIDC Division No. II, Mahape.





LAYOUT PLAN (Scale - 1:500)




## ADDITIONS AND ALTERATION ON EXISTING SITE PLAN

Existing Area Approved as per vide letter no. No.EE/SPA /5 & 5A/ D28178 / 2019, Dated. 03/10 /2019)

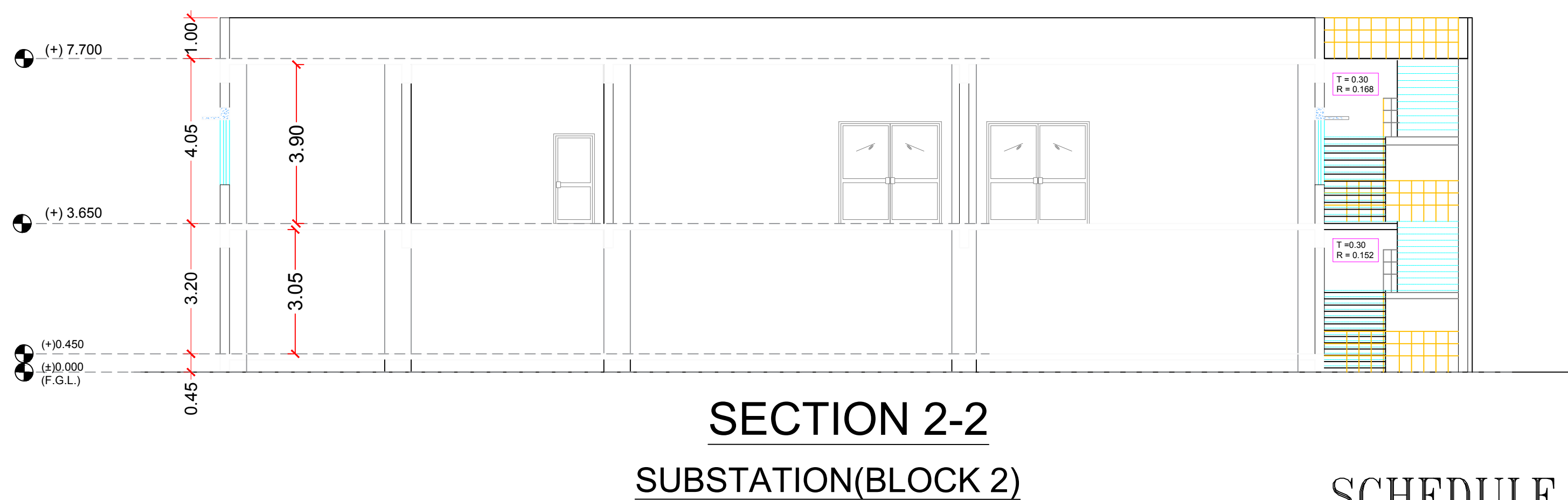
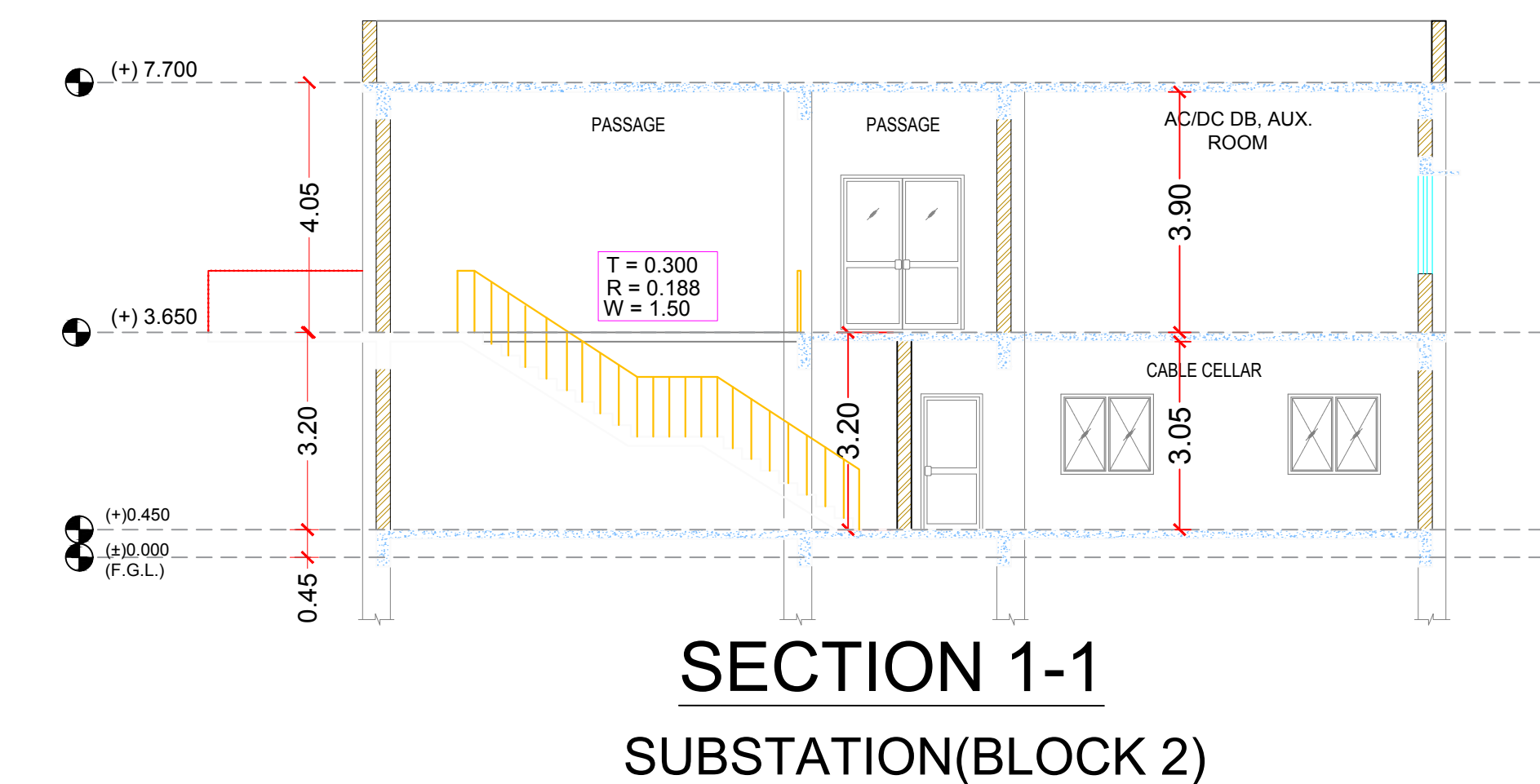
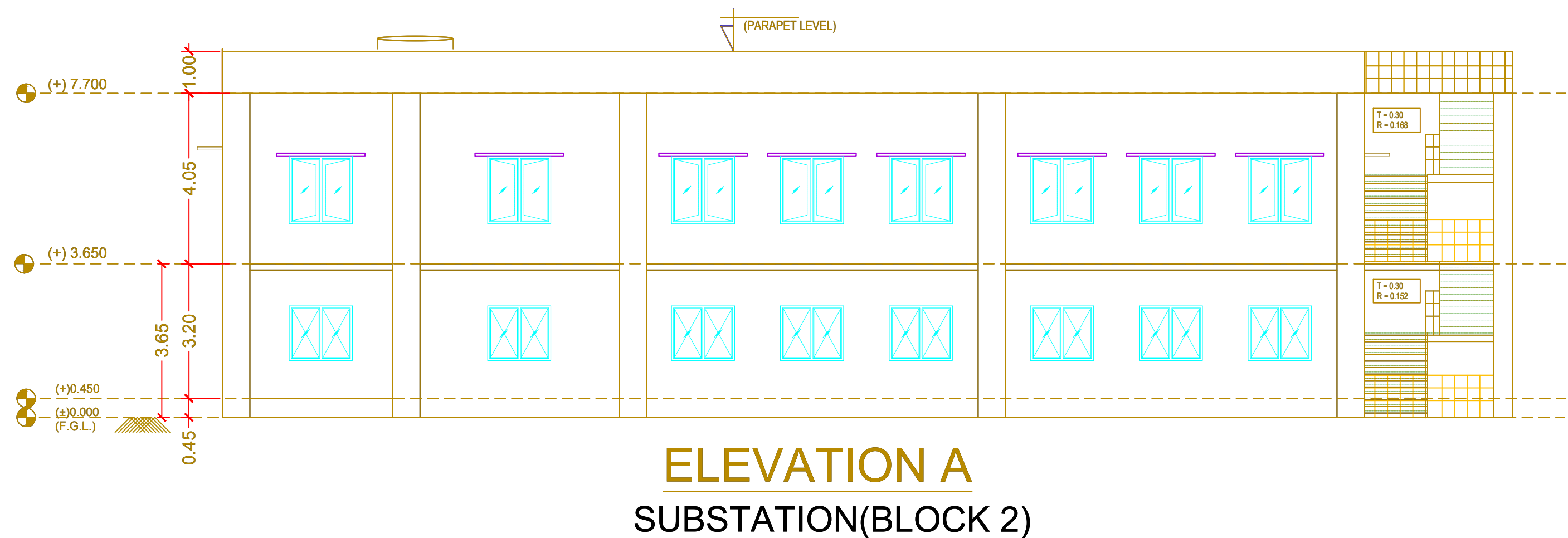
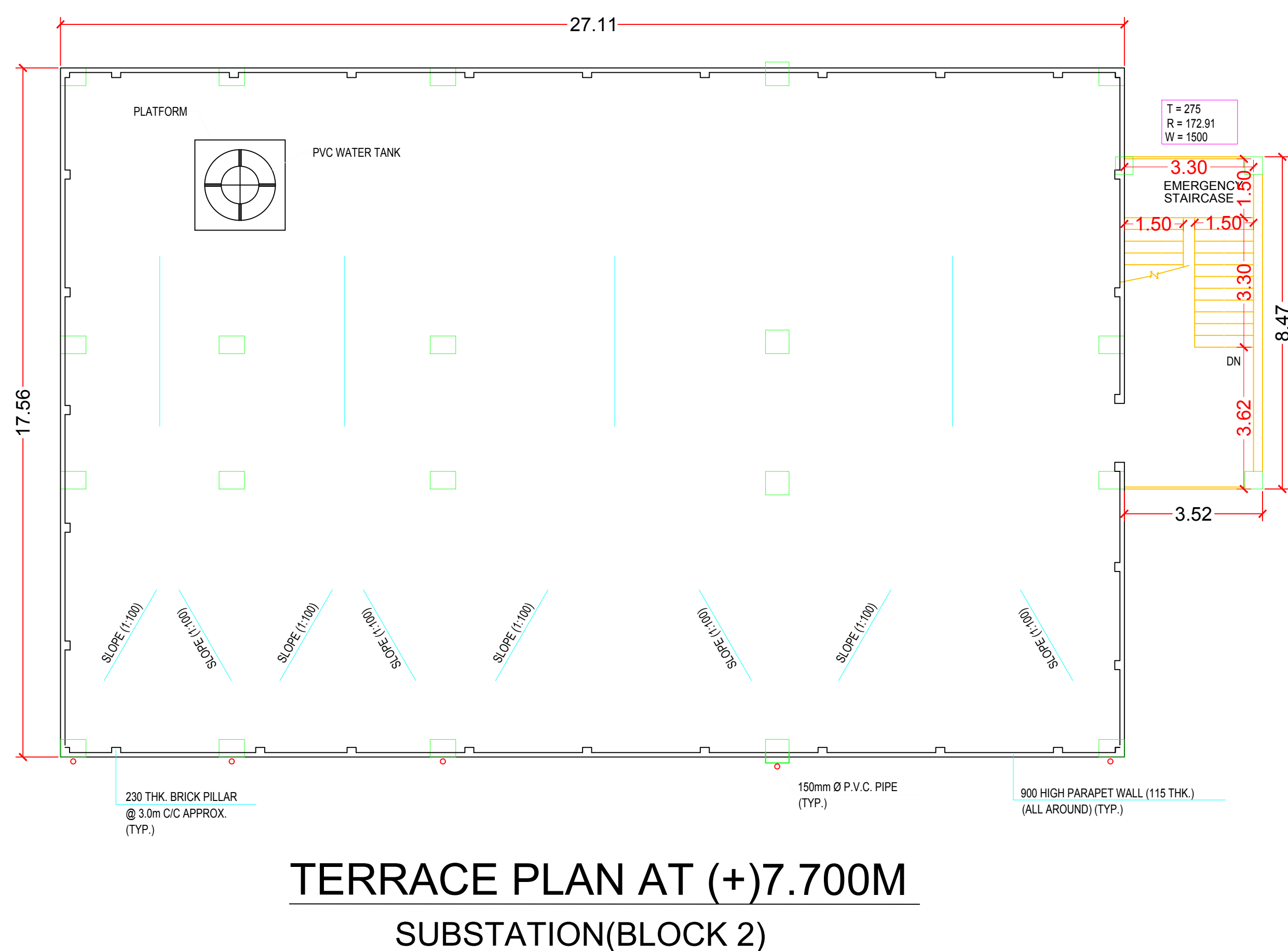
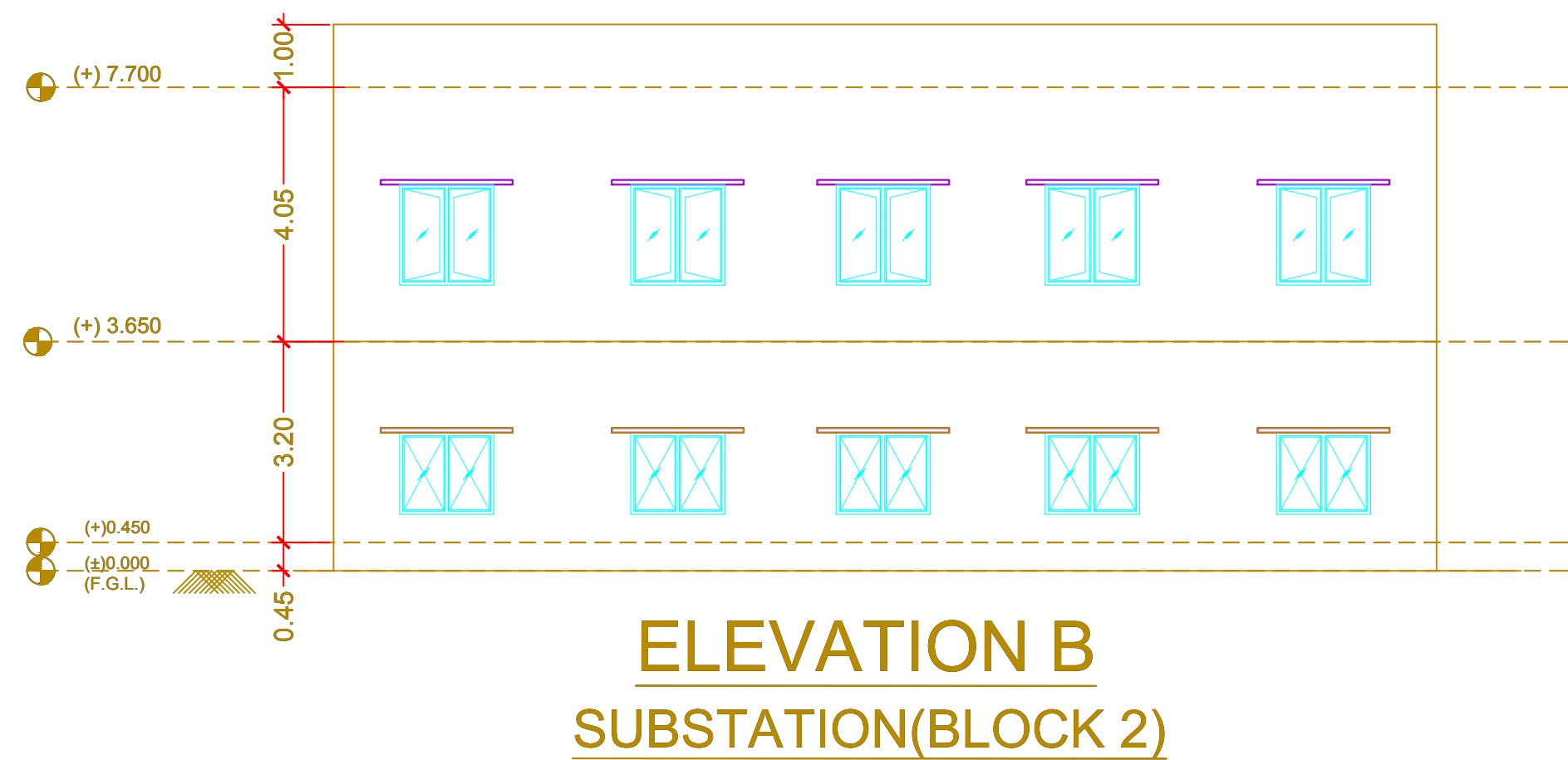
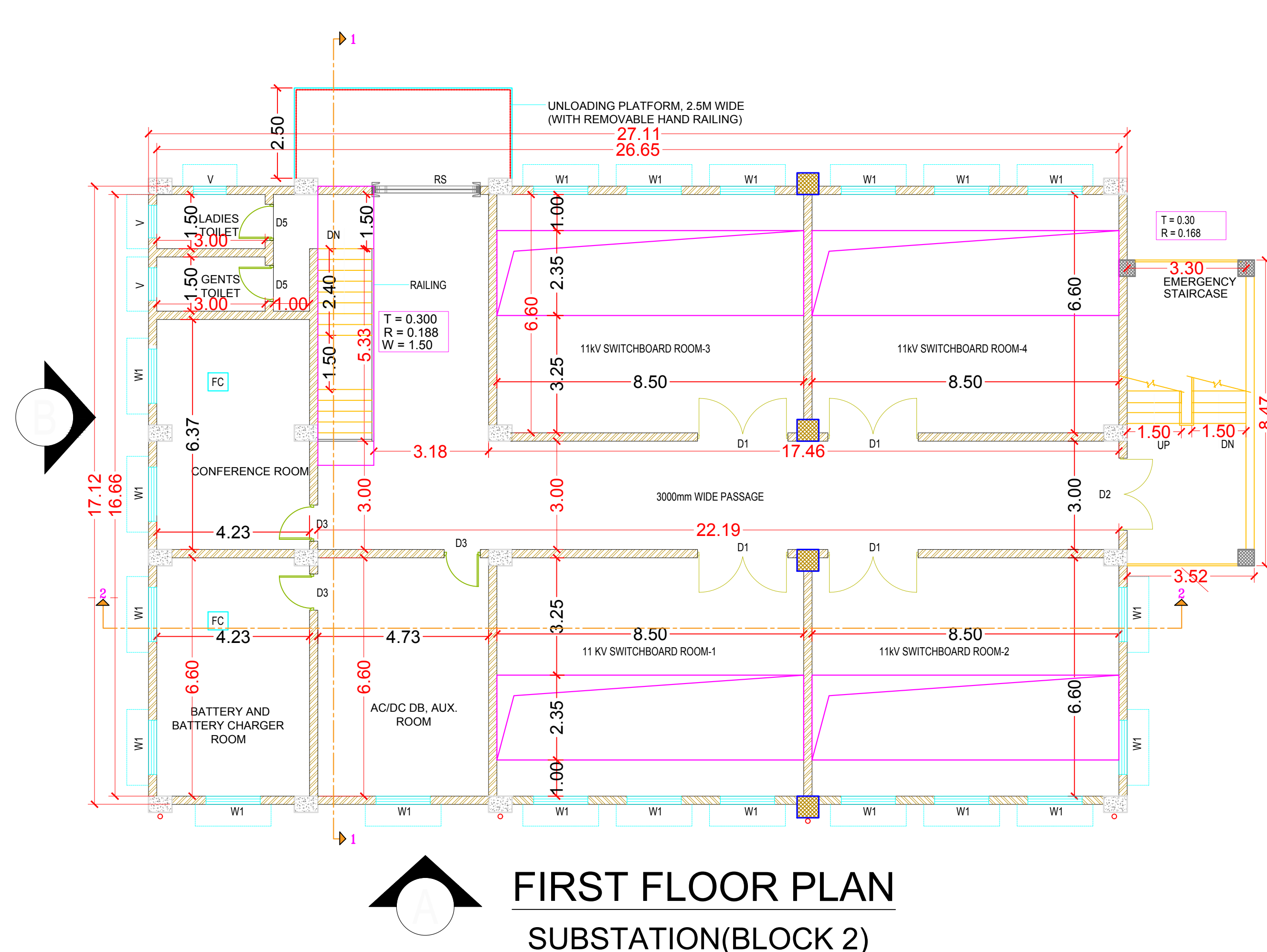
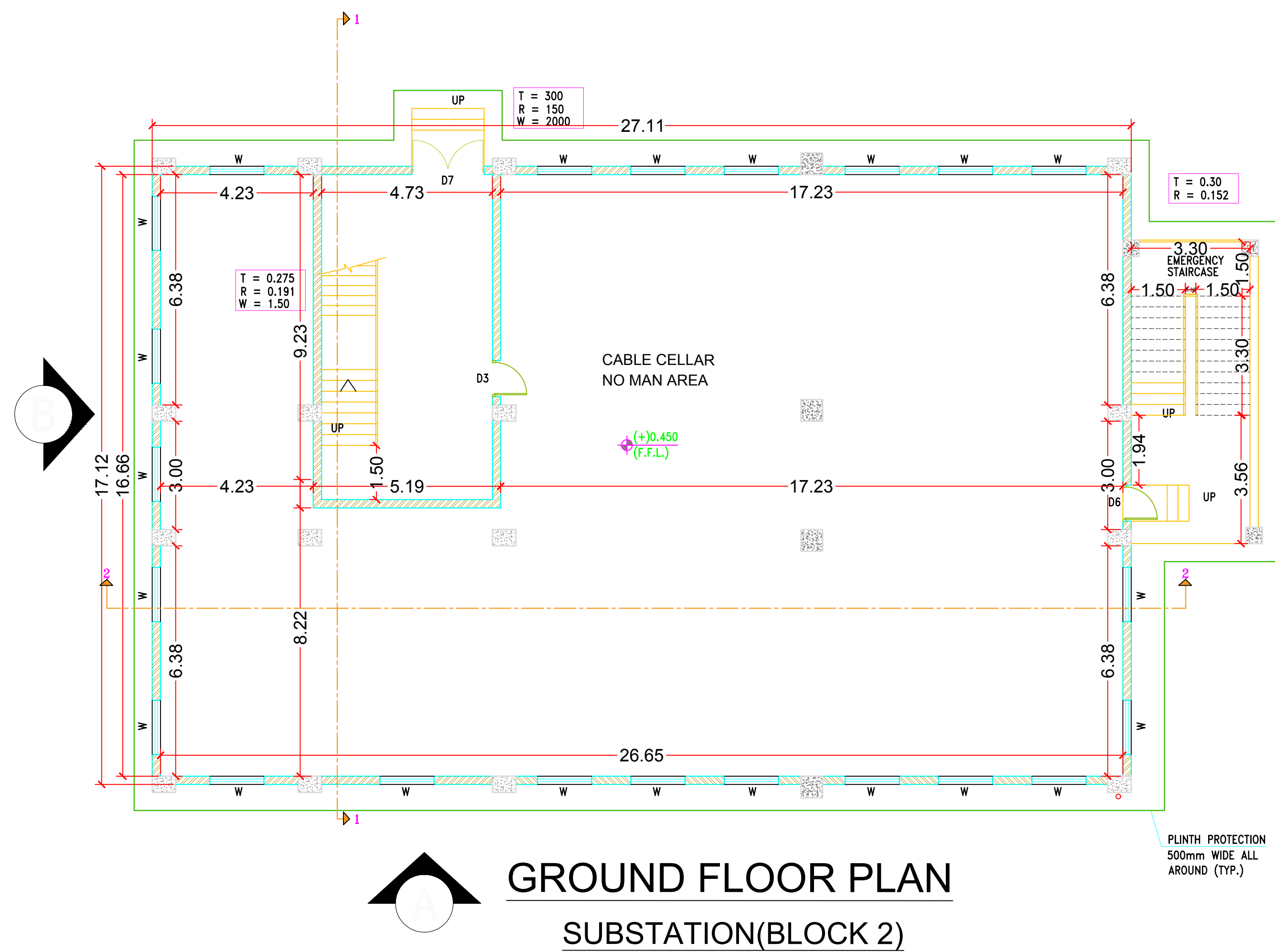
WATER REQUIREMENT				
TANK	Hazardous/Chemical	OCCUPANT LOAD (NOS.)	CONSUMPTION PER DAY (LIT)	REQUIRED CAPACITY (LIT)
OHWT	NA	0.10	NA	30.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
FIRE REQUIREMENT				
TOTAL				0.00
UGWT	NA	1.5	NA	30.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
FIRE REQUIREMENT				
TOTAL				0.00

PLOT NO. 6		PLOT NO. 11	
260.00		108.50	
263.20		180.00	
185.00		155.00	
48.00		48.00	
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	JOB NO.	DRG.NO.	SCALE	DRAWN BY	CHECKED BY
			1:100		
	INWARD NO.	SW/C/14/521/202 00218/685888		DATE	19-03-2020
	KEY NO.	»§		SHEET NO.	2 / 5





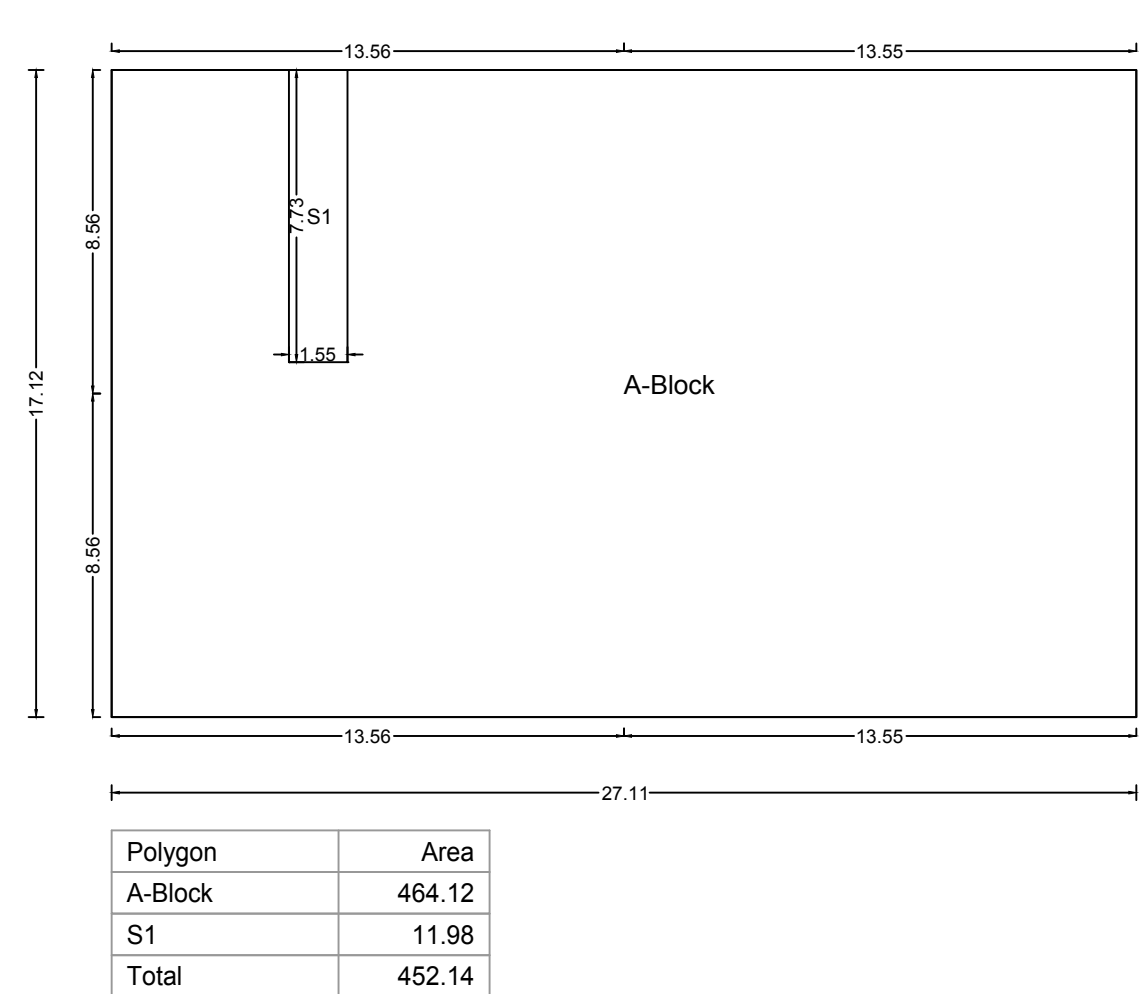
BALCONY CALCULATIONS: A (SUBSTATION 2)

FLOOR	SIZE	AREA	TOT. AREA
Total	-	-	0.00

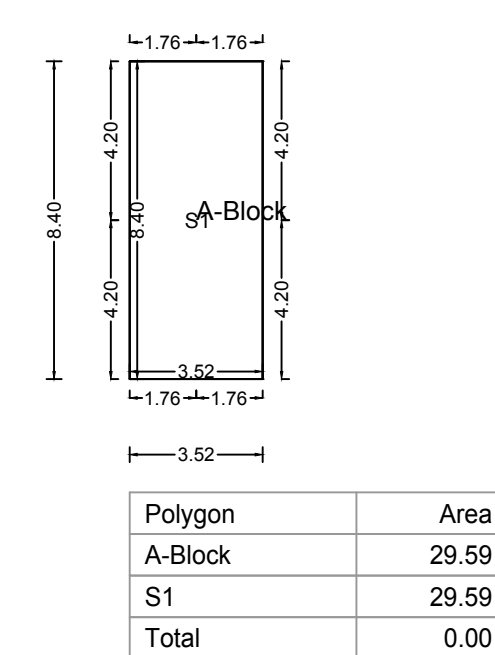
## SCHEDULE OF DOOR/WINDOW/VENTILATOR/GLAZING

S.NO.	TYPE	SIZE (INCLUDING FRAME)	SILL LVL FROM F.G.L.	LINTEL LVL FROM F.G.L.	NOS.	REMARK
1	ROLLING SHUTTER (RS)	3000x3000	(+)3.700	(+)6.700	01	STEEL ROLLING SHUTTER
2	DOOR (D1)	2600x2500	(+)3.700	(+)6.200	04	ALUMINIUM FRAME WITH GLASS DOOR - DOUBLE SHUTTER
3	DOOR (D2)	2000x2500	(+)3.700	(+)6.200	01	FIRE DOOR-DOUBLE SHUTTER (FIRE RATING -2Hrs)
4	DOOR (D3)	1000x2500	(+)3.700	(+)6.200	04	ALUMINIUM FRAME WITH GLASS DOOR - SINGLE SHUTTER
5	DOOR (D5)	750x2100	(+)3.700	(+)5.800	02	PVC DOOR - SINGLE SHUTTER
6	DOOR (D6)	1000x2200	(+)0.450	(+)2.650	01	FIRE DOOR-SINGLE SHUTTER (FIRE RATING -2Hrs)
7	DOOR (D7)	2000x2200	(+)0.450	(+)2.650	01	FIRE DOOR-DOUBLE SHUTTER (FIRE RATING -2Hrs)
8	WINDOW (W)	1500x1300	(+)1.350	(+)2.650	22	ALUMINIUM FRAMED WITH FIXED WINDOW
9	WINDOW (W1)	1500x1600	(+)4.800	(+)6.200	20	ALUMINIUM FRAMED WITH OPENABLE WINDOW
10	VENTILATOR (V)	900x600	(+)5.600	(+)6.200	03	ALUMINIUM FRAMED WITH FIXED WINDOW

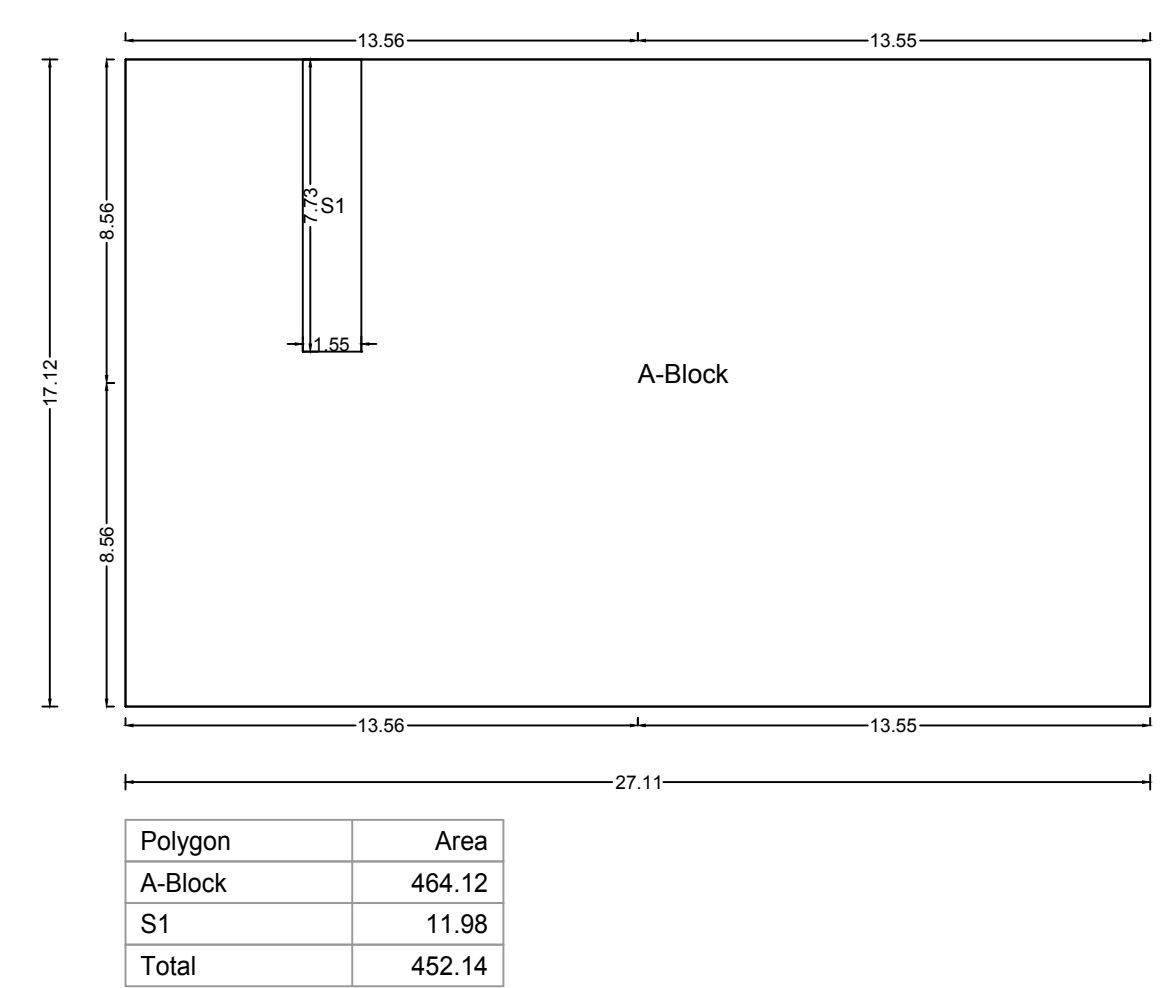
GROUND FLOOR PLAN



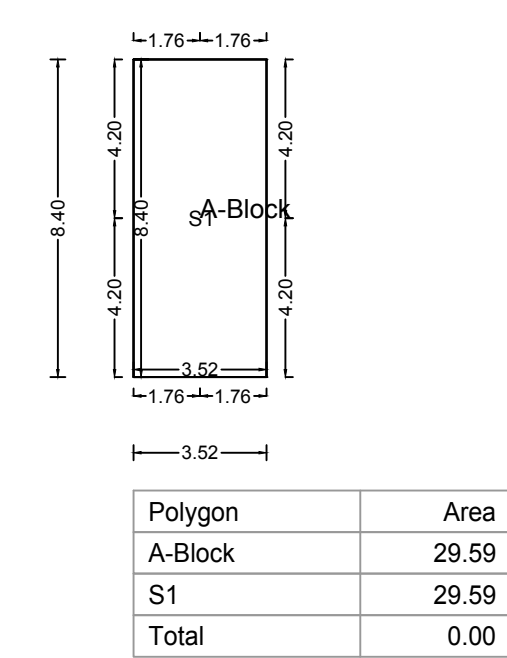
GROUND FLOOR PLAN



FIRST FLOOR PLAN



FIRST FLOOR PLAN



FLOOR WISE FSI STATEMENT: A (SUBSTATION 2)

FLOORS	COMM.	RESI.	IND.	SPEC.	DOUBLE HT.	FSI AREA	PERM.	PROP.	EXCESS	PASS.	LIFT LOBBY	STAIR LOBBY	STAIR	LIFT	TERRACE	TENEMENTS	TOTAL
GROUND FLOOR	0.00	0.00	452.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.57	0.00	0.00	0.00	452.14
FIRST FLOOR	0.00	0.00	452.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.57	0.00	0.00	0.00	452.14
Total	0.00	0.00	904.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.14	0.00	0.00	0.00	904.28

NOTE:  
ARTIFICIAL LIGHT AND VENTILATION SHALL BE PROVIDED AS PER NBC-16 OR ANY MODIFICATION THEREOF

OWNER'S NAME: DATA CENTER HOLDINGS INDIA LLP

Plot No. : 5-6A Survey No. :  
Ward : Thane Village : -

INDUSTRIAL AREA : T.T.C.

ARCHITECT: Tanay Mansukhji Mehta

ARCHITECTS SIGN:

JOB NO. : DRG. NO. : SCALE : 1:100

INWARD NO. : SWC/14/521/202 DATE : 19-03-2020

KEY NO. : 19 DATE : 19-03-2020

SHEET NO. : 3 / 5



A diagram of a rectangular plate with dimensions 42.06, 7.88, and 1.62. The dimensions are labeled in red text with corresponding dimension lines. The length is 42.06, the width is 7.88, and the thickness is 1.62.

## PHASE 4

Proposed Open to sky  
Plinth area  
9.40 M X 106.85 M

106.85

Polygon	Area
A-Block	1004.75
Total	1004.75

Technical drawing of a 132KV transmission tower. The drawing shows a lattice tower structure with various dimensions and labels.

**Dimensions:**

- Overall height: 36.00
- Height from ground level (F.G.L.) to the top cross arm: 7.50
- Height from ground level (F.G.L.) to the bottom cross arm: 5.50
- Height from ground level (F.G.L.) to the middle cross arm: 5.50
- Height from ground level (F.G.L.) to the top cross arm: 5.50
- Height from ground level (F.G.L.) to the bottom cross arm: 3.00
- Width of the tower base: 5.50

**Labels:**

- B
- Y
- R
- THIS CROSS ARM WITH STRUCTURAL LADDER FOR MOUNTING ARRANGEMENT OF CTB & LA
- NORMAL TOWER
- P.L.
- F.G.L.

**Notes:**

- MOUNTING/FIXING ARRANGEMENT SHALL BE PROVIDED FOR CTB & LA

DER FOR

CABLE TRENCH IN GC SCOPE

Neutral Earthing Transformer

Neutral Earthing Transformer

Neutral Earthing Transformer

Neutral Earthing Transformer

LM

LVL. +2570

220kV CABLE TRENCH

NPS

11kV CABLE TRENCH

TRAFO-2 150MVA

13.06

7.50

FIRE WALL

11kV CABLE TRENCH

LM

TRAFO-1 150MVA

13.00

7.50

FIRE WALL

11kV CABLE TRENCH

LM

OIL PIT

PLAN OF TRANSFORMER (B)

AREA CALCULATION: TRANSFORMER		
A.	Area of Transformer	$7.50 \times 13.00 = 97.5 \text{ SQ.M}$
B.	Area for 2 Transformers	$97.5 \times 2 = 195 \text{ SQ.M}$

AREA CALCULATION: PYLON	
A. Area of Pylon	9.00 X 9.00 = 18.00 SQ.M

AREA CALCULATION: PYLON	
A. Area of Pylon	9.00 X 9.00 = 18.00 SQ.M

**BALCONY CALCULATIONS:**A (PROPOSED PLINTH)

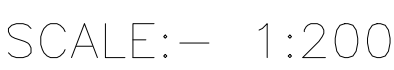
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Total	-	-	0.00

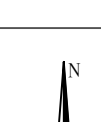
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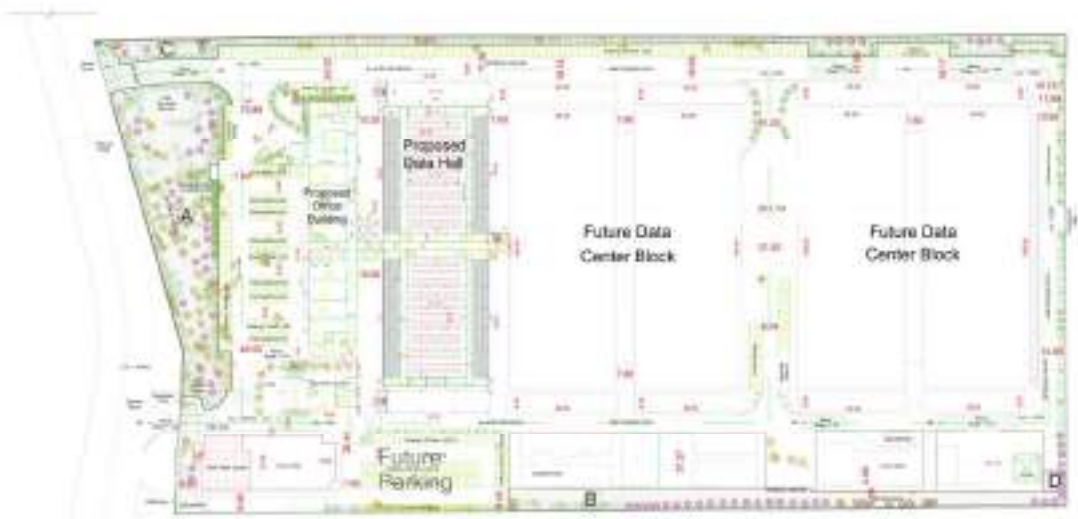
Digitally signed by Maruti S Kulkarni  
DN: cn=, o=Government of  
Maharashtra, ou=Maharashtra  
Industrial Development Corporation,  
postalCode=400710, st=Maharashtra,  
2.5.4.20=026d65d66766782546552,  
3.2.27041.1.158b6b50b08394c81578e  
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8E2DA67E5AEAD4397,  
serialNumber=022284826216B491B  
587874741de0c837059ceefcd29cd38f5  
616906e2a0, cn=Maruti S Kulkarni  
Date: 2020.07.03 15:10:57 +05'30'

OWNER'S NAME: DATA CENTER HOLDINGS INDIA LLP ***				OWNER'S SIGN	
PROJECT:					
Plot No. : 5-SA		Survey No. :			
Ward : Thane		Village : -			
INDUSTRIAL AREA : T.T.C.				ARCHITECT:	
Tanay Munshtak Mehta				ARCHITECT'S SIGN	
JOB NO.		DRG NO.	SCALE	DRAWN BY CHECKED BY	
			1:100		
INWARD NO.		SINC/1462/1202 0021835588		DATE	19-03-2020
KEY NO.		+5		SHEET NO.	4 / 5



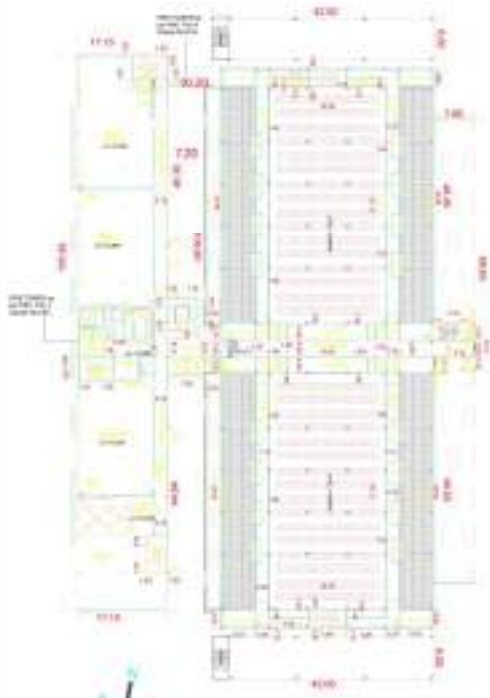


OWNER'S NAME: DATA CENTER HOLDINGS INDIA LLP				OWNER'S SIGN:		
Plot No. : 5-5A Ward : Thane				Survey No. : Village : -		
PROJECT:						
INDUSTRIAL AREA : T.T.C.						
ARCHITECT:					ARCHITECT'S SIGN:	
Taray Mankhial Mehta						
	JOB NO.		DRG. NO.	SCALE	DRAWN BY	CHECKED BY
				1:100		
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	KEY NO.		s/\$		SHEET NO.	5 / 5

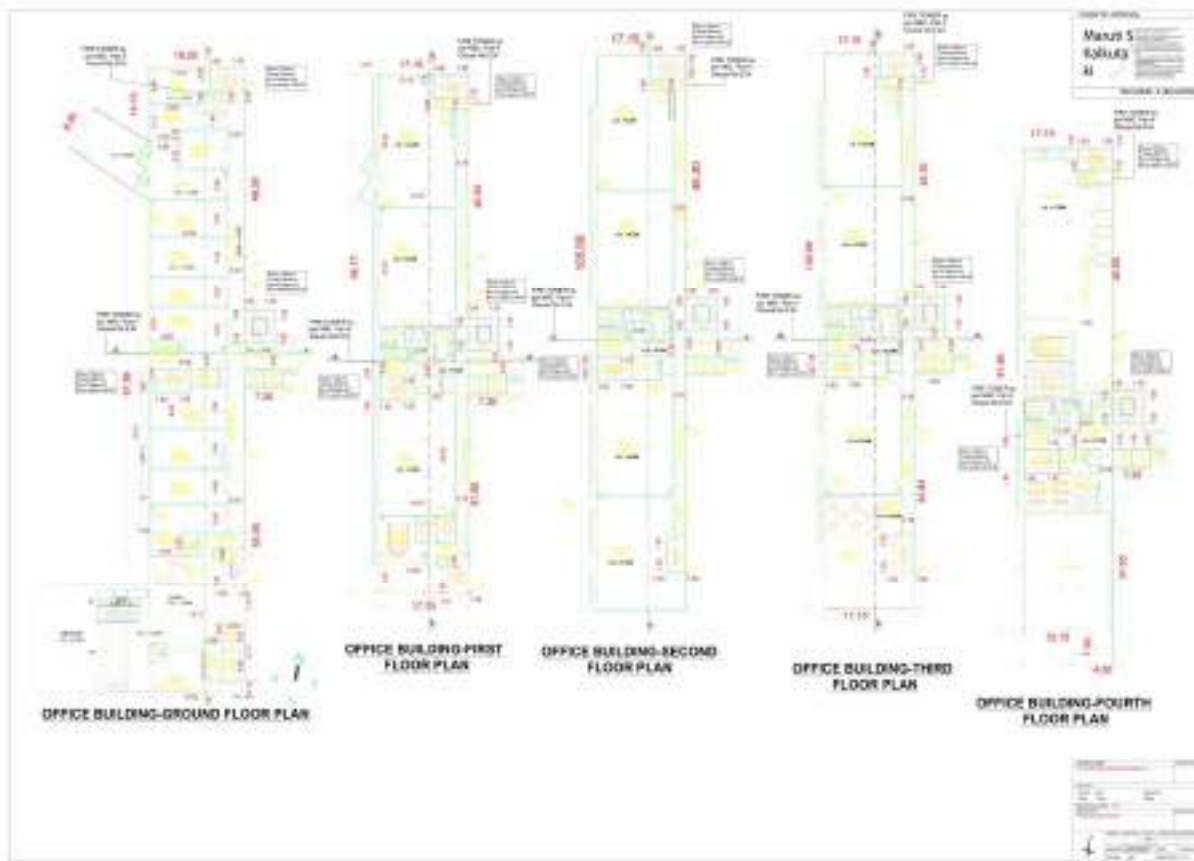


**SITE PLAN**

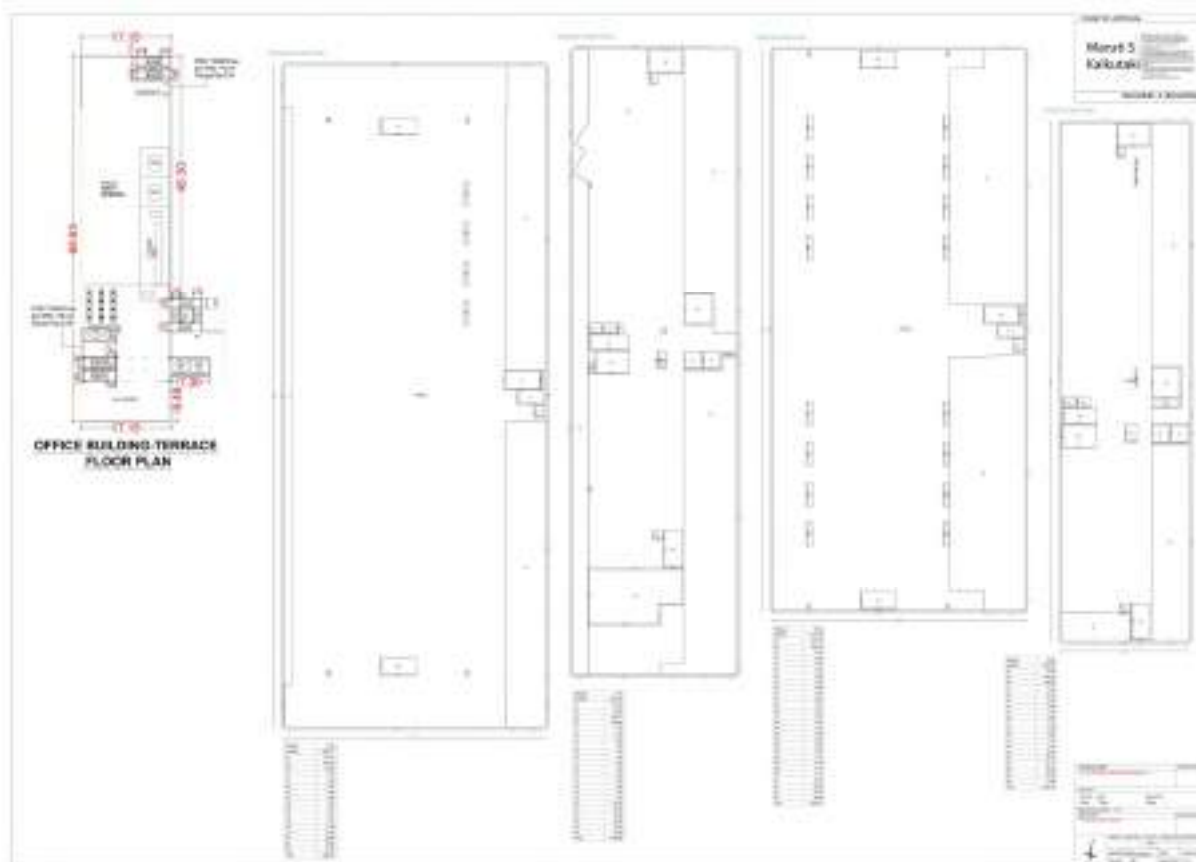


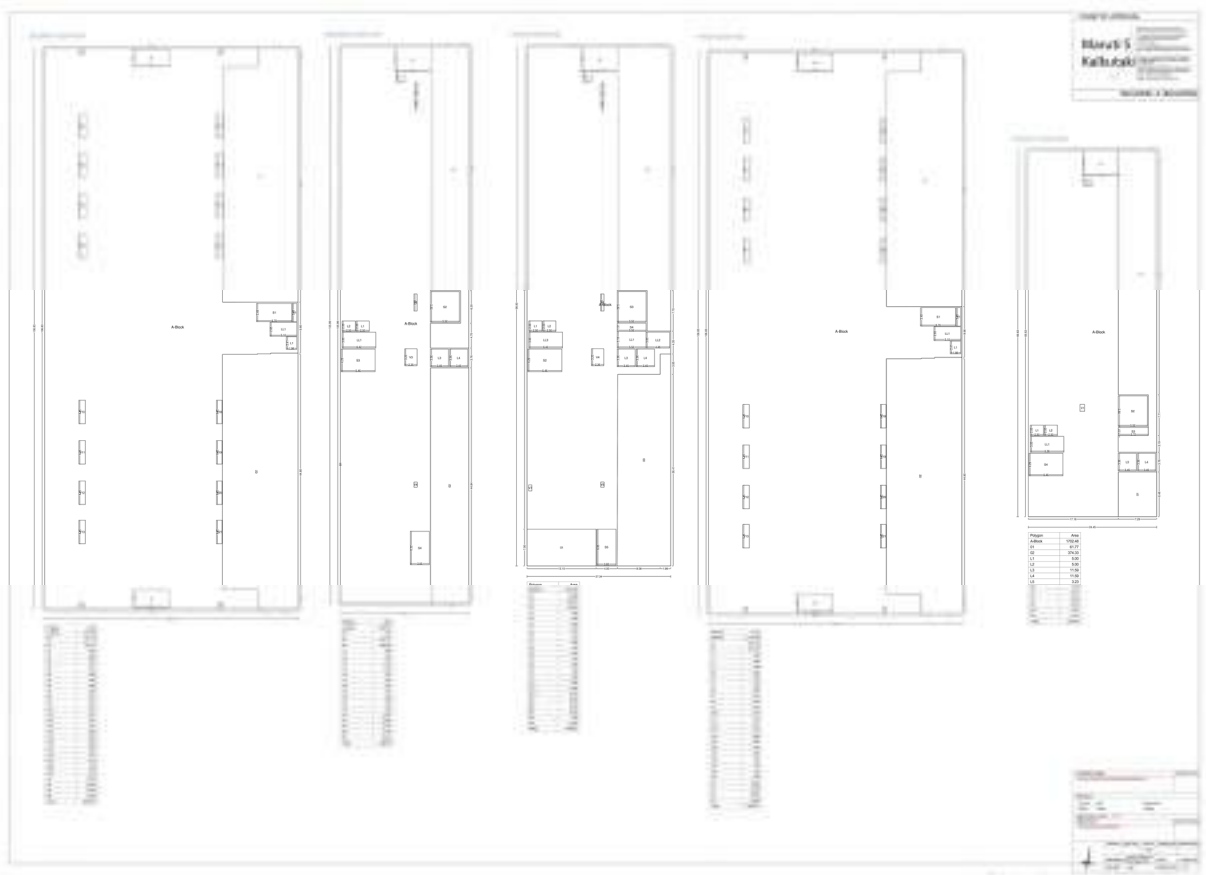


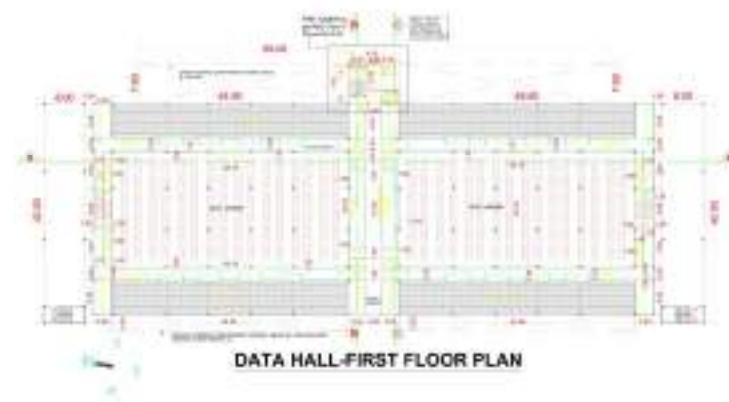
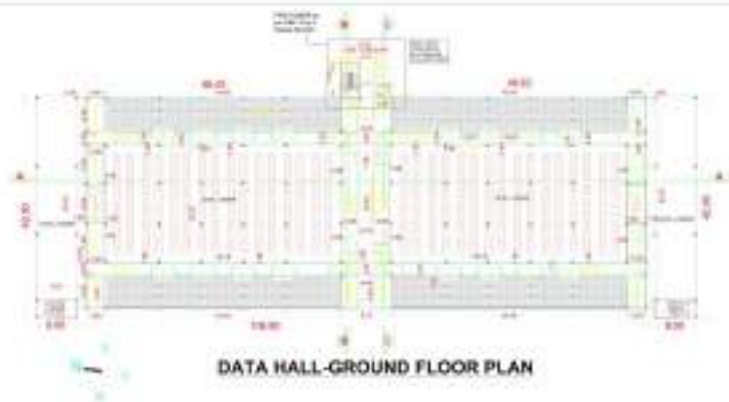






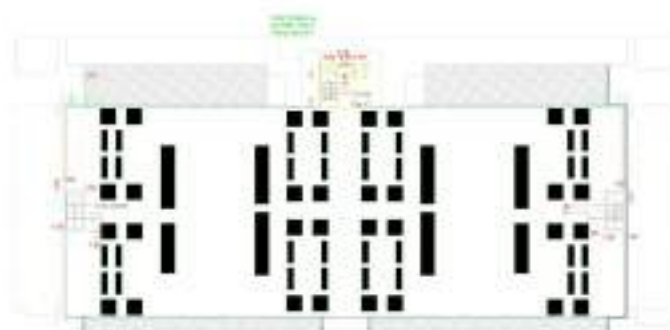






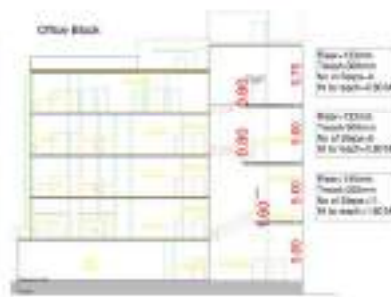
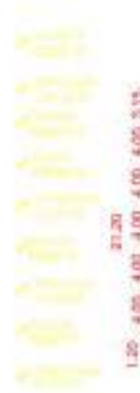
NO.	REVISION	DATE	BY	CHKD.
1	ISSUED FOR PERMIT	10/10/2023	MM	MM

PROJECT NO.	10/10/2023
DATE	10/10/2023
BY	MM
CHKD.	MM





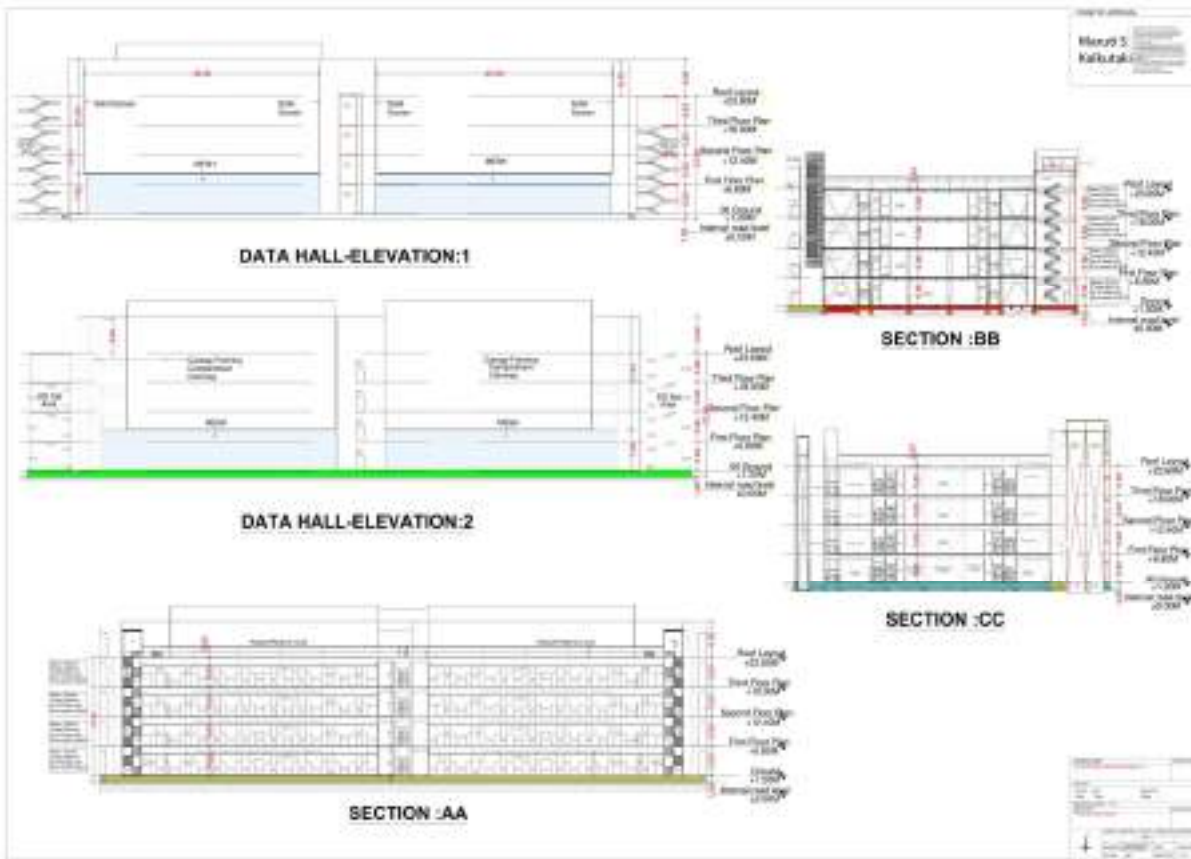
DATA HALL-THIRD FLOOR PLAN



SECTION-AA

Project: 101-102  
 Date: 10/1/2010  
 Drawn by: 101-102  
 Checked by: 101-102  
 Approved by: 101-102

Project: 101-102  
 Date: 10/1/2010  
 Drawn by: 101-102  
 Checked by: 101-102  
 Approved by: 101-102



**ELEVATION-2(SOUTH SIDE ELEVATION)**

**ELEVATION-2(SOUTH SIDE ELEVATION)**

**Annexure No. 14: Consent to Establish Copy**





# Maharashtra Pollution Control Board

## 5e301a01d49d022d5b6efb4b

### MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd and  
4th floor, Opp. Cine Planet  
Cinema, Near Sion Circle,  
Sion (E), Mumbai-400022

No:- Format1.0/CAC-CELL/UAN No.0000080814/CE 2001001911

Date: 28/01/2020

To,  
M/s. Data Center Holdings India LLP,  
Plot No. 5 & 5A, Kalwa Industrial Area,  
MIDC, Thane-Belapur Road, Airoli -Navi  
Mumbai, Dist. Thane.

**Sub: Consent to Establish for construction of Data Center with office buildings under L.S.I Red Category**

**Ref:** 1. Environment Clearance accorded by Env. Dept GoM vide No. SEIAA-EC-0000002077, dated 10.11.2019.  
2. Minutes of CAC held on 31.12.2019.

Your application NO. MPCB-CONSENT-0000080814

For: grant of Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I,II,III & IV annexed to this order:

- The Consent to Establish is granted for a period upto commissioning of project or upto 31-12-2024 whichever is earlier.**
- The capital investment of the project is Rs.1687.5 Crs. (As per undertaking submitted by pp).**
- The Consent to Establish is valid for construction of Data Center with office buildings named as Data Center Park by M/s. Data Center Holdings India LLP, Plot No. 5 & 5A, Kalwa Industrial Area, MIDC, Thane-Belapur Road, Airoli -Navi Mumbai, Dist. Thane on Total Plot Area of 62,490.00 Sq.Mtrs for Total Construction BUA of 1,09,368.983 Sq.Mtrs as per EC granted dated 10.11.2019 including utilities and services**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Environment Clearance dated 10.11.2019	62490.00	109368.98

- Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal
1.	Trade effluent	Nil	NA	NA
2.	Domestic effluent	74	As per Schedule - I	The treated domestic effluent shall be 60% recycled and remaining shall be used on land for gardening.



5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
S-1 to S-118	DG set (118 x 2250 KVA)	118	As per Schedule -II
S-119	DG set (500 KVA)	1	As per Schedule -II

6. Conditions under Solid Waste Rules, 2016:

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	E waste	100 Kg/Annum	Reprocessing	Sale to authorized vendor for recycling
2	Wet Waste	24 Kg/Day	QWC followed by composting	Used as manure for gardening/plantation
3	Dry waste	36 Kg/Day	Segregation	Handed over to Authorized vendor for recycling
4	STP sludge	150 Kg/Day	Drying	Used as manure within own premises for gardening/plantaion

7. Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:

Sr No	Category No.	Quantity UoM	Treatment	Disposal
1	5.1 Used /spent oil	25	KL/A Reprocessing	Hand over to authorized recycler

- 8 This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- 9 This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
- 10 PP shall comply with the conditions stipulated in EC dated 10.11.2019 & consent to establish.
- 11 PP shall obtain NOC from Competent authority with reference to Thane Creek Flamingo sanctuary, if the project site falls within 10 Km radius from the said sanctuary boundary.
- 12 PP shall submit undertaking in Boards prescribed format within 15 days towards compliance of conditions stipulated in EC granted vide dated 10.11.2019 & C to E.
- 13 PP shall provide STP so as to achieve treated domestic effluent standard for the parameter BOD- 10 mg/l.
- 14 The treated domestic effluent shall be recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting, etc., and remaining shall be used on land for gardening.
- 15 PP shall carried out construction as per approved plan obtained from Competent Authority.
- 16 PP shall install organic waste converter digester along with composting facility/bio-digester (Biogas) with composting facility for treatment of wet garbage.



# Maharashtra Pollution Control Board

## 5e301a01d49d022d5b6efb4b

- 17 PP shall submit BG of Rs. 25.0 Lakh towards compliance of EC & Consent to Establish conditions.

For and on behalf of the  
Maharashtra Pollution Control Board.

(E. Ravendiran IAS),  
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	3375000.00	5454587	17/10/2019	NEFT

Copy to:

1. Regional Officer, MPCB, Navi Mumbai and Sub-Regional Officer, MPCB, Navi Mumbai  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CAC Desk - for record & website updating purposes.



**SCHEDULE-I**

**Terms & conditions for compliance of Water Pollution Control:**

- 1) A) As per your application, you have proposed to provide MBBR Technology based Sewage Treatment Plants (STPs) of combined capacity **80 CMD for treatment of domestic effluent of 74 CMD.**

B) The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
1.	BOD (3 days 27o C)	10
2.	Suspended Solids	20
3.	COD	50
4.	Residual Chlorine	1ppm

C) The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to the sewerage system provided by local body.

- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 3) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) **The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, and other provisions as contained in the said act.**

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	81.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00

- 5) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.



**SCHEDULE-II**

**Terms & conditions for compliance of Air Pollution Control:**

- 1) As per your application, you have proposed to provide the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM
S-1 to S-118	DG set (118 x 2250 KVA)	NA	30	HSD	472.5 Kg/Hr
S-119	DG set (500 KVA)	NA	4.5	HSD	105 Kg/Hr

- 2) The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards.

Total Particular matter	Not to exceed	150 mg/Nm <sup>3</sup>
-------------------------	---------------	------------------------

- 3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
- 4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
- 5) **Conditions for utilities like Kitchen, Eating Places, Canteens:-**
- The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
  - The toilet shall be provided with exhaust system connected to chimney through ducting.
  - The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).
  - The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such a way that no nuisance is caused to neighbors.



**SCHEDULE-III**  
**Details of Bank Guarantees:**

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C2E	25.0 Lakh	15 days	Towards compliance of consent conditions & EC conditions	31.12.2024	30.04.2025

\*\* The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.  
# Existing BG obtained for above purpose if any may be extended for period of validity as above.

**BG Forfeiture History**

Srno.	Consent (C2E/C2O/C2R)	Amount of BG Imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
1	Nil	NA	NA	NA	NA	NA





**SCHEDULE-IV**

**Conditions during construction phase**

<b>A</b>	During construction phase, applicant shall provide temporary sewage and MSW treatment and disposal facility for the staff and worker quarters.
<b>B</b>	During construction phase, the ambient air and noise quality shall be maintained and should be closely monitored through MoEF approved laboratory.
<b>C</b>	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

**General Conditions:**

- 1 The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2 The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011.
- 3 Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4 Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5 Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.



# Maharashtra Pollution Control Board

## 5e301a01d49d022d5b6efb4b

- 6 Solid Waste - The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.
- 7 Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8 Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9 The treated sewage shall be disinfected using suitable disinfection method.
- 10 The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11 The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.



### Annexure No. 15: Sanitary and Hygiene measure details

Sr. No.	Particulars	Details (during 4 <sup>th</sup> Monitoring)
1.	No. of Resident Workers	NA
2.	No. of Non Resident Workers	Approx. 250
3.	No. of Hutments	NA
4.	Facility provided to workers	
	1. No. of Toilets	20
	2. No. of Bathrooms	NA
	3. Drinking water facility	Yes, provided through bottled water
	4. General water facility	Yes, provided though NMMC/MIDC water source & Tanker water
	5. Light provision to hutments	NA
	6. First Aid Box provision	Yes, available at site
	7. Cooking Facility	NA
	8. Waste Dustbins	Yes, available at site
	9. Provision of safety gadgets	Yes, available at site
	10. Barricading of site	Yes, available at site
	11. Medical checkups	Yes, regular checkups carried out at site

**Annexure No. 17: Solid Waste Management NoC**



नवी मुंबई  
नगरपालिका

**Navi Mumbai  
Municipal Corporation**

मुख्यालय, सेक्टर-१५, निलसा गांधीनगर जवळ,  
बेलापुर, नवी मुंबई - ४०० ६१४  
दुरधनी क्रमांक : २७५७ ७०७०  
२७५७ ७०७१

Head Quarter, Sect.15A, Near Kila Gaothan, नवी मुंबई,  
CBD, Belapur, Navi Mumbai- 400 614  
TEL No : 2757 7070  
2757 7071

No. NMMC/SWM/<sup>443</sup>/2019  
Date: 24/06/2019


To,

Data Center Holdings India-LLP,  
(DCHILLP) Plot NO. 5/5A,  
Thane- Belapur Road Digha,  
Navi Mumbai,

Sub : Issue of NOC- Solid Waste Management

With reference to your above cited letter dated on 06 June 2019 you are here by inform that Navi Mumbai Municipal Corporation has already collecting waste from above mentioned industrial area. Your company's wet waste will also be lifted by corporation in execution.

This letter is issued as per your request for office purpose only.

  
Dy. Municipal Commissioner (SWM)  
Navi Mumbai Municipal Corporation

Copy to

Asst. Commissioner Cum Ward Officer Digha, NMMC for information and necessary action please.

**Annexure No. 18: Demolition permission NoC**

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**

( A Government of Maharashtra Undertaking)

No. EE/MHP-II/IFMS/B29696 / of 2019

Office of the Executive Engineer,

MIDC, Mahape Division No.II,

Mahape, Navi Mumbai.

**Date:- 10 /04/2019**

To,  
M/s. Data Center Holdings India LLP,  
Plot No. 5 & 5A, Kalwa  
TTC Industrial Area, Navi Mumbai.

**Sub :-** TTC Industrial Area...  
Permission for demolition of old Factory Building on Plot No.  
5&5A, Kalwa, TTC Industrial Area, Navi Mumbai.

**Ref :-** Your application dt. 28/03/2019

Dear Sir,

Since you have submitted all requisite documents and also furnished the indemnity bond on Rs. 100/- stamp paper, permission to demolish the existing Factory Building admeasuring **19549.831 m2** BUA on Plot No. 5 & 5A in TTC Industrial Area is hereby granted subject to following terms conditions:

- 1) The demolition work shall be carried out at your risk and cost under supervision of your Architect.
- 2) No disposal of debris shall be carried out on MIDC land or in road land width in TTC Industrial Area. Separate permission shall be obtained from MIDC for transportation of debris within or outside the Industrial Area if necessary.
- 3) All necessary safety measures shall be taken during execution of demolition work to avoid any accident and thereby any injury to the workers.
- 4) Intimation shall be given to this office immediately on completion of work.
- 5) No complaint shall be received by MIDC regarding unauthorized dumping of debris by you.
- 6) The water rate shall be charged at 1.50 times the normal water rate till obtaining of BCC for new factory building.
- 7) Development permission should be obtained in advance from this office for construction of new factory building.
- 8) You have to construct new building and obtained Occupancy Certificate within 3 years from the date of issue of this permission.

Thanking you,

Yours faithfully,

**Maruti S**

**Kalkutaki**

**Executive Engineer & SPA  
MIDC, Division-II, Mahape.**

- Copy fws to M/s. Architect Tanay Mehta , Navi Mumbai-4000703.
- Copy to Billing section.

## **Annexure No. 19: Solid waste management during construction and operation phase**

### **DEMOLITION WASTE MANAGEMENT PLAN**

**Existing Thomson Press Building will be demolished; details of the same will be given below:**

<b>Sr. No.</b>	<b>Activity</b>	<b>waste generated</b>	<b>Qty.</b>	<b>Unit</b>	<b>How to reuse the waste</b>
1	Brick Work	a)Debris	2500	cum	1000 m <sup>3</sup> Reuse for site leveling & Balance scape to dumping yard for refilling.
2	Plastering Work	a)Debris	450	cum	Scrap to dumping yard for refilling.
3	Gypsum Work	a)Gypsum waste	50	cum	Reuse for refilling work.
4	Fabrication work	a)M.S. material waste	850	ton	Sold for recycling.
5	Tiling Work	a)Tiling material waste	30	cum	Reuse for refilling work.
6	Plumbing	a)Debris	10	cft	Sold

	Material				
		c)Plumbing material waste	40	kg	Sold for recycling.
		d)Plastic waste for packing of material	20	kg	Sold for recycling.
7	Aluminum work	a) Aluminum material	3	kg	Sold for recycling.
8	Electrical work	a) Electrical material pipe & wires wastage	600	kg	Will be sold for recycling.
9	Carpentry Work	a) Carpentry - Wooden material wastage	90	cum	Reuse in small work &balance scrap material will be sold for reuse.
10	G.I sheet	Corrugated sheets	350	Nos	Sold for recycling.

Necessary measures are adopted for dust & noise mitigation during demolition. As per PP international practice. Air quality will be monitored regularly.

### PROPOSED CONSTRUCTION WASTE MANAGEMENT PLAN

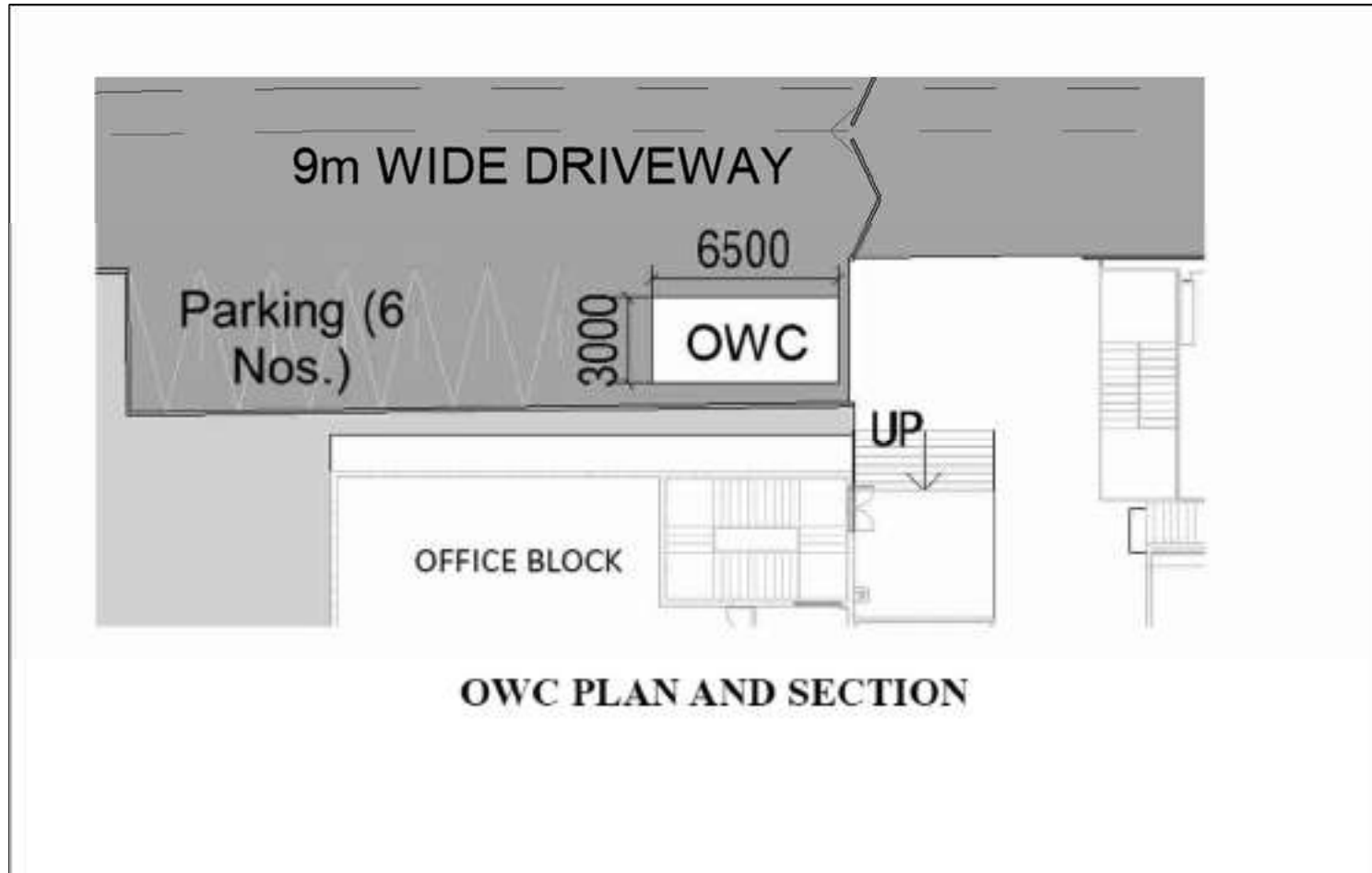
Construction Material	Units (Metric)	Quantity of Waste Generated	Reuse/Recycle Application
Top soil	m <sup>3</sup>	2,921.07	Will be used for Landscaping Gardening
Excavation	m <sup>3</sup>	1,20,000.00	Will be reused for ground filling , leveling and internal roads at construction site
Handling of Construction Waste Materials			
Construction Material	Units (Metric)	Quantity of Waste Generated	Reuse/Recycle Application
Steel Bars	MT	850	Will be reused wherever required for miscellaneous structures & remaining will be sold as scrap
RMC	m <sup>3</sup>	15000	Will be recycle and reuse
Other debris	Kg	300	Will be recycle and reuse



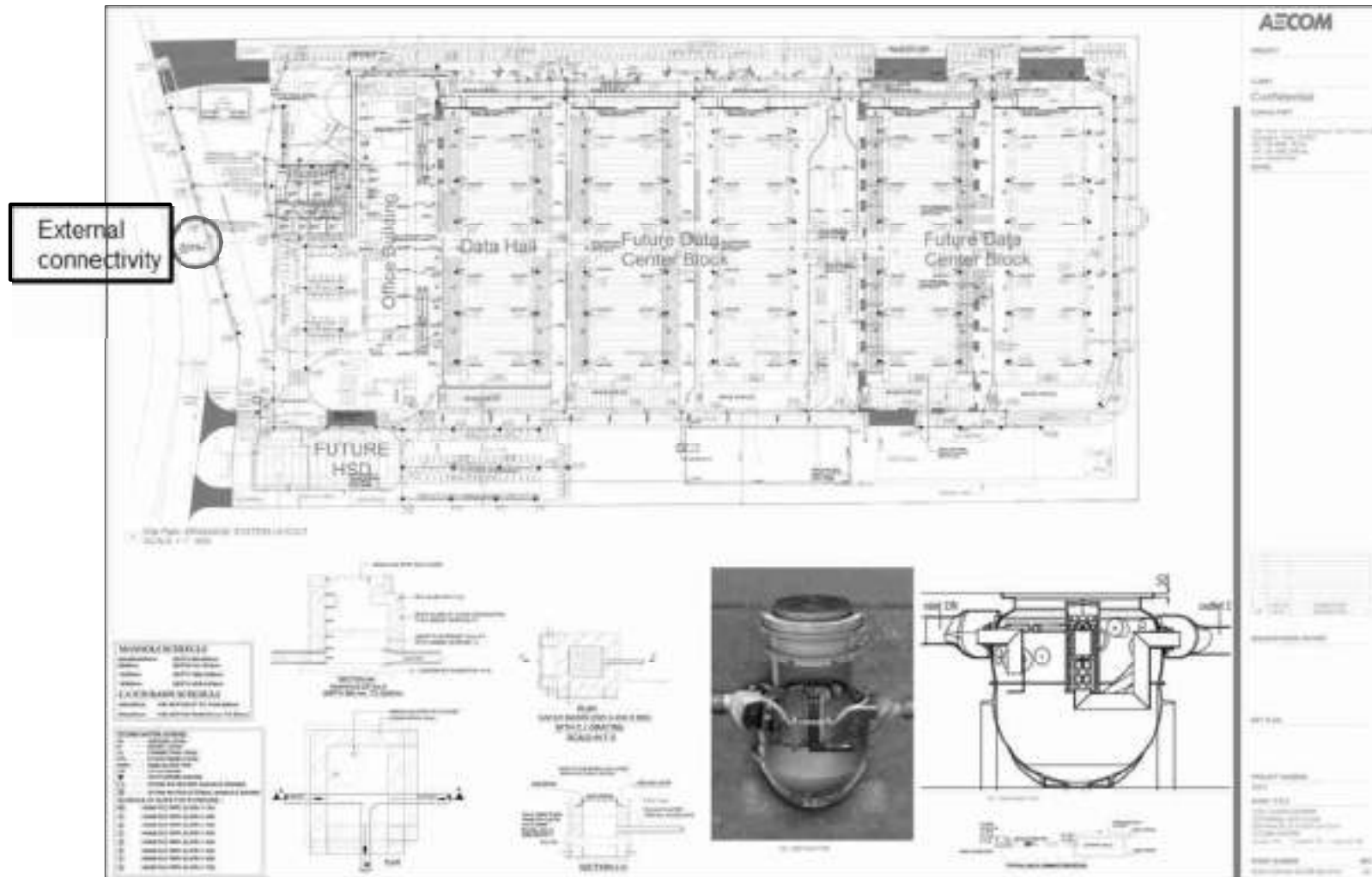
### MUNICIPAL SOLID WASTE MANAGEMENT

Waste	Quantity kg/day	Management
Biodegradable	24	Biodegradable garbage collected separately. Wet garbage treatment in OWC
Non- Biodegradable	36	Handed over to Authorized agency
<b>Total</b>	<b>60</b>	

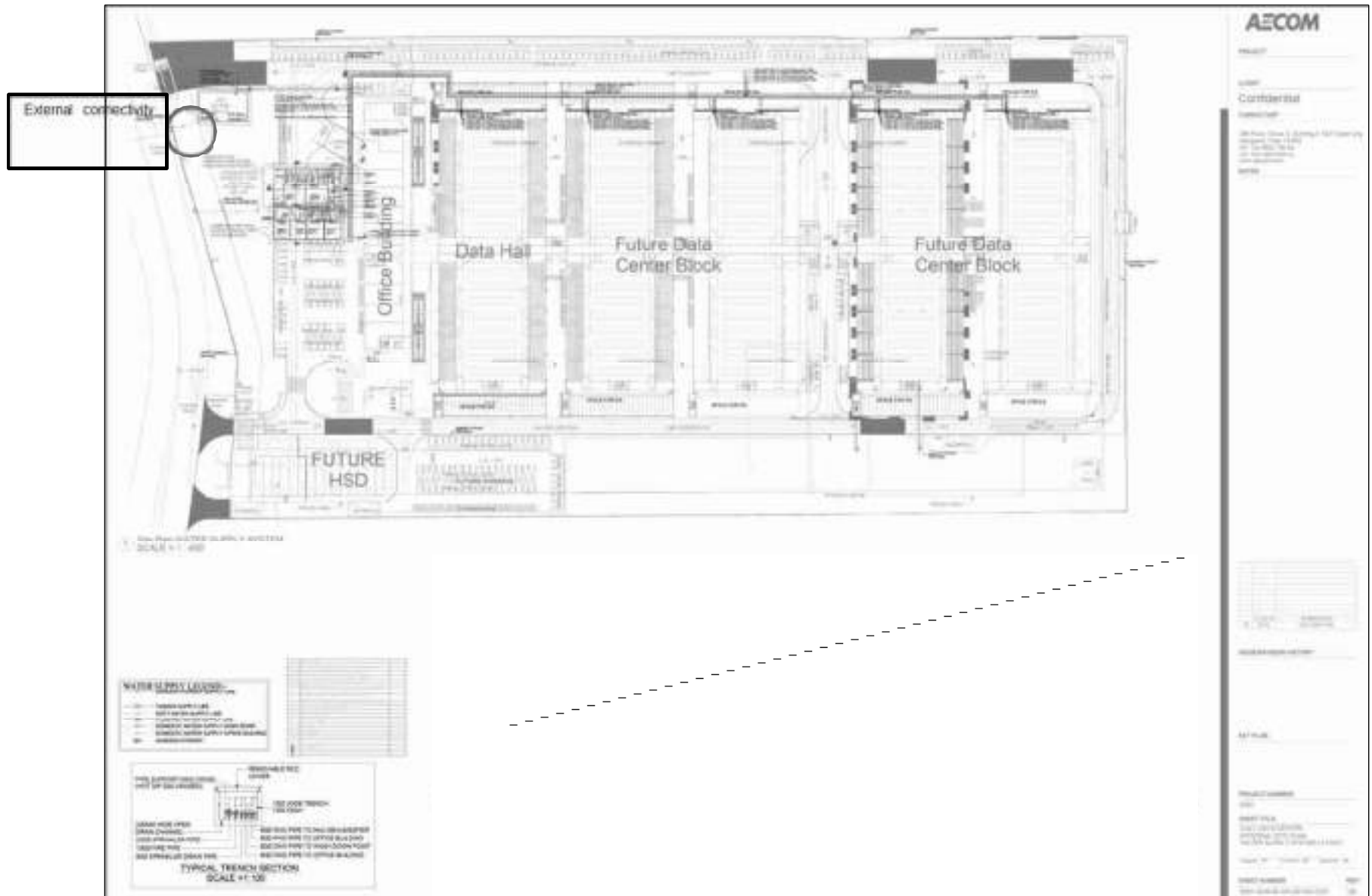
**Annexure No. 20: Location and section plan of OWC**



## Annexure No. 21: Storm water drain and Drainage layout



Storm water drain internal dia 500 mm is presently connected to external municipal storm water line.



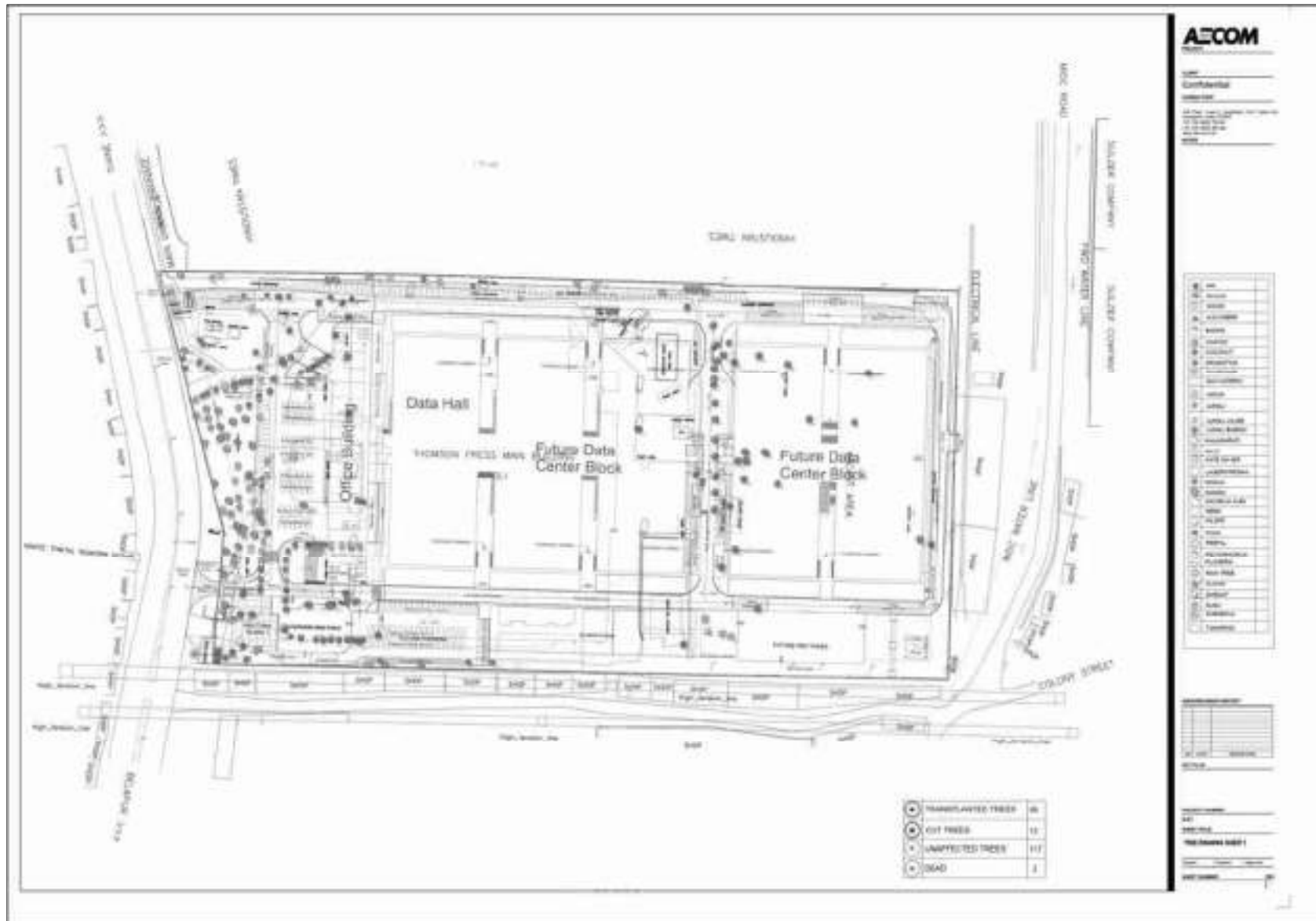
Drainage line dia Internal 600 mm connected to external municipal sewer line.

**Annexure No. 22: Landscape Plan and Tree plantation details**

**Landscape Area Details:**

	<b>Area in m2</b>
Required RG area	6,249 sq. m.
Provided RG area	6,642 sq. m

### Landscape Plan:



**Tree Plantation details:**

Sr. No.	Name of the plant	Common Name	Quantity
1	<i>Acacia</i>	Wattles	1 Existing + 10 Proposed
2	<i>Terminalia elliptica</i>	Ain	1 Existing + 20 Proposed
3	<i>Saraca asoca</i>	Ashok	38 Existing + 60 Proposed
4	<i>Ficus racemosa</i>	Audumber	5 Existing + 6 Proposed
5	<i>Terminalia catippa</i>	Badam	1Existing + 7 Proposed
6	<i>Manilkara zapota</i>	Chikoo	1Existing + 10 Proposed
7	<i>Cocos nucifera</i>	Coconut	15 Existing + 45 Proposed
8	<i>Moringa oleifera</i>	Drumstick	4 Existing + 6 Proposed
9	<i>Delonix regia</i>	Gulmohar	11 Existing + 10 Proposed
10	<i>Syzygium cumini</i>	Jamun	1 Existing + 6 Proposed
11	<i>Paper Mulberry</i>	Jungli	5 Proposed
12	<i>Abelmoschus ficulneus</i>	Jungli Bhendi	1 Existing + 2 Proposed

13	<i>Pithecellobium dulce</i>	Jungli Jalebi	5 Existing + 15 Proposed
14	<i>Couroupita guianensis</i>	Kailashpati	1 Existing + 3 Proposed
15	<i>Anacardium occidentale</i>	Kaju	1 Existing + 5 Proposed
16	<i>Bombax ceiba</i>	Kate Saver	3 Existing
17	<i>Lagerstromia</i>	Crape myrtle	1 Existing + 3 Proposed
18	<i>Madhuca longifolia</i>	Mahua	1 Existing + 5 Proposed
19	<i>Mangifera indica</i>	Mango	38 Existing + 24 Proposed
20	<i>Michelia Alba</i>	Champaka	3 Existing + 9 Proposed
21	<i>Azadiracta indica</i>	Neem	24 Existing + 60 Proposed
22	<i>Eucalyptus</i>	Nilgiri	18 Existing
23	<i>Arecaceae</i>	Palm	2 Existing + 6 Proposed
24	<i>Ficus religiosa</i>	Peepal	4 Existing + 6 Proposed
25	<i>Peltophorum pterocarpum</i>	Siar	11 Existing + 21 Proposed
26	<i>Psidium guajava</i>	Peru	1 Existing + 3 Proposed
27	<i>Plumeria</i>	Chapha	1 Existing + 45 Proposed



28	<i>Samanea saman</i>	Rain Tree	5 Existing + 14 Proposed
29	<i>Lannea coromandelica</i>	Shemat	2 Existing + 6 Proposed
30	<i>Leucaena leucocephala</i>	Subabhul	2 Existing
31	<i>Areca</i>	Supari	1 Existing + 5 Proposed
32	<i>Casuarina equisetifolia</i>	Suru	1 Existing + 3 Proposed
33	<i>Tamarindus indica</i>	Tarmind	2 Existing +3 Proposed
Total			<b>629 nos. (Existing 206 + Proposed 423)</b>