

Ref No: DMIC IITGNL/2020-21/IT-06/64

Dated: 29/07/2020

To,

1. Haier Appliances India Pvt. Ltd.
2. Forme Trading Pvt. Ltd
3. Satkriti Infotainment Pvt. Ltd
4. Chenfeng Tech Pvt. Ltd
5. Jworld Electronics India Pvt. Ltd

Subject: - ICT Guidelines to be followed by all allottee of Integrated Industrial Township, Greater Noida.

Dear Sir,

This is to inform that to implement the Information & Communication Technology Infrastructure and use of the same by the allottees in IITGN, ICT Guidelines have been approved by the Board of Directors of DMIC IITGNL.

The ICT Guideline to be followed by all allottees in IITGNL is attached herewith for your reference. You are requested to adhere with the said ICT Guidelines.



28.7.2020
(Krishna Kumar Gupta)
Director

Copy To:

1. CEO & MD, DMIC IITGNL
2. Director (D), DMIC IITGNL
3. General Manager (Project), DMIC IITGNL
4. Senior Manager (Planning), DMIC IITGNL
5. Senior Manager (Electricals), DMIC IITGNL
6. Company Secretary, DMIC IITGNL

Appendix A

Information and Communication Technology (ICT)
guidelines for plot holders at IIT, Greater Noida

Information & Communication Technology (ICT) Guidelines

For the purpose of reference to these guidelines, the term Lessee as defined in the lease document shall be referred to herein as the plot holder.

Kindly note that the ICT guidelines will be updated periodically. Any amendment or modification in the ICT guidelines will be shared with respective plot holders. It is the responsibility of the plot holder to adhere to the ICT guidelines including any subsequent amendments.

1.1 General ICT Guidelines for all plot holders

- 0.1 **Right of Way (RoW):** DMIC IITGNL will be providing end-to-end concrete encased utility trench till the individual plot Ring Main Unit (RMU's) for the fibre optic based ICT network.
- 0.2 **RoW:** The plot holders shall use the existing DMIC IITGNL fibre network from respective plot RMU for plot connection for telecom connectivity purposes
- 0.3 **RoW:** It is envisaged that no trenching/digging shall be required by the Telecom Service Providers or plot holders to meet the connectivity requirements. RoW permits outside plot holder's boundary for digging will not be allowed.
- 0.4 **RoW:** Under exceptional conditions like unavailability of access duct till a plot, the plot holder shall seek prior permit approval for any digging of DMIC IITGNL RoW through a permitting process. The permit shall be through DMIC IITGNL. The access design including trenching, duct, fibre, and accessories shall be approved by DMIC IITGNL designated engineer. The application shall include accurate Computer-Aided-Design (CAD) drawings and any other relevant document (If required), along with the relevant fees. DMIC IITGNL or its designate engineer responsible for the job may visit the site during the work to ensure conformance with the permit. A copy of the permit must be on the work site during work. If DMIC IITGNL or its designate engineer visits the site and a copy of the permit is not available, DMIC IITGNL has the right to shut down the work until a copy is available.
- 0.5 **RoW:** If in future, a bigger plot is sub-plotted, the plot holder shall develop an access path from its RMU (within the plot) till the nearest existing DMIC IITGNL ICT concrete trench. The plot holder shall acquire a permit or license through a permitting process. The access design including trenching, duct, fibre, and accessories shall be approved by DMIC IITGNL designated engineer. The application shall include accurate Computer-Aided-Design (CAD) drawings, along with the relevant fees. DMIC IITGNL or its designate engineer responsible for the job may visit the site during the work to ensure conformance with the permit. A copy of the permit must be on the work site during work. If DMIC IITGNL or its designate engineer visits the site and a copy of the permit is not available, DMIC IITGNL has the right to shut down the work until a copy is available.
- 0.6 **RoW:** The plot holder shall get telecom services inside their respective plot from the Telecom Service Providers (TSPs). The TSPs will be given ducts with fibre till RMU of

the respective plots. The plot holder through the TSP shall get the telecom services for their plots from this RMU location. Any last mile connectivity from RMU until the Telecom Room of the plot holder shall be in the scope of the plot holder and shall be performed under supervision of DMIC IITGNL designated engineer.

- 0.7 **RoW:** If a need arises for DMIC IITGNL to access RoW inside property line in order to expand its services, the plot holder shall facilitate and co-operate with DMIC IITGNL in negotiating an easement for the placement and maintenance of the facilities. In case, there are any services or utilities which are passing through the property of plot holder, the plot holder shall protect and take care of the DMIC IITGNL services or utilities.
- 0.8 **Civil:** As part of the fibre optic infrastructure, the Plot holder shall provide dedicated High-Density Polyethylene (HDPE) ducts of suitable capacity for telecom connectivity within the Plot. These HDPE ducts shall be installed between the main telecom room of the Plot holder and the plot's RMU.
- 0.9 **Civil:** The Plot holder shall terminate these ducts inside a standard telecom rated handhole (installed by the Plot holder within the property line).
- 0.10 **Civil:** The plot holder shall integrate the access duct with the RMU to enable end-to-end telecom duct infrastructure for the plot. This access duct shall connect back to the main telecom trench of DMIC IITGNL. Using this telecom duct infrastructure, the plot holder/TSPs shall provide and install dedicated telecom rated fibre optic cable between the main telecom room and the DMIC IITGNL plot RMU.
- 0.11 **Civil:** At the respective RMU, the plot holder shall provide and install a fibre optic splice enclosure and splice the respective fibre optic cables in the main telecom trench for telecom connectivity.
- 0.12 **Telecommunication:** For all fibre optic cables being provided by the Plot holder, minimum four (4) cores of one of the cables shall be reserved for DMIC IITGNL at any time.
- 0.13 **Telecommunication:** The Plot holder shall also be responsible for splicing these four (4) cores of fibre optic cable with DMIC IITGNL's fibre optic splice enclosure installed at the RMU. The remaining cores of the fibre optic cables can be used by the Plot holder for obtaining connectivity from the telecom service providers.
- 0.14 **Civil:** All works related to fibre optic infrastructure outside the property line of the plot shall be after due permission from DMIC IITGNL and shall be completed under the supervision of DMIC IITGNL representatives.
- 0.15 **Telecommunication:** Plot holder shall only take telecom services from the DMIC IITGNL approved TSPs operating in Integrated Industrial Township (IIT), Greater Noida. Plot holder shall intimate DMIC IITGNL prior to procurement of telecom services from the approved TSPs
- 0.16 **Telecommunication:** Plot holder shall only take telecom services from TSP by leveraging fibre optic based network provided by DMIC IITGNL.

- 0.17 **Telecommunication:** Plot holder shall take prior permission from DMIC IITGNL if it intends to take telecom services via microwave/RF links or V-SAT.
- 0.18 **Telecommunication:** The plot holder shall provide for the provision of telecommunication spaces like Entrance Facility (EF) that will be the demarcation point of Telecom Service Provider. Beyond EF, the plot holder shall be responsible for providing cabling infrastructure.
- 0.19 **Telecommunication:** The plot holder shall keep a provision of telecommunication spaces like a Main Telecom Room (MTR)/Equipment Room (ER) for use by ICT service providers as per Inside building Structured Cabling standards.
- 0.20 **Telecommunication:** The plot holder shall ensure that all applicable codes, standards, and regulations during the design, construction, and use of telecommunications spaces are complied.
- 0.21 **Telecommunication:** The telecom spaces should be secured from unauthorized access and available to Telecom Service Provider personnel and authorized personnel of commercial building staff 24 x 7 x 365.
- 0.22 **Telecommunication:** The plot holder shall ensure that the telecommunication spaces are kept free of any storage material or other obstructions that could prevent technicians from performing their duties or create a fire hazard.
- 0.23 **Telecommunication:** The plot holder shall keep records and other documentation pertaining to the design, layout, and specifications of telecommunications pathways, spaces, and cabling systems as per standard practice.
- 0.24 **Telecommunication:** The plot holder shall ensure that all telecommunications spaces have appropriate signs to identify the space and are included within the security plan of the building.
- 0.25 **Telecommunication:** Telecommunications spaces shall not be shared with building or custodial services. For example, sinks and cleaning materials (e.g., mops, buckets, and solvents etc.) shall not be located or stored in a telecommunications space.
- 0.26 **Telecommunication:** The plot holder shall take considerations for lighting in MTR as per applicable standards and best practices. The telecommunication spaces should be provided with emergency lighting, smoke detector and fire alarm which should be incorporated into the Building Automation System (BAS) and Building Management System (BMS).
- 0.27 **Telecommunication:** All plots shall have a Building Management System (BMS) or IP based Fire Alarm System (provided by the Plot holder). This BMS or IP based Fire Alarm System shall be integrated by the Plot holder using the four (4) cores of fibre (reserved for DMIC IITGNL) for integration at the Control Centre. BMS or IP based Fire Alarm System shall have a capability of integrating building fire alarm feed with third party Control Centre platforms via open protocols such as BACnet, OPC etc. or via web APIs. Plot holder shall support integration of fire alarm feed with DMIC IITGNL Control Centre platform by providing necessary integration feed.

- 0.28 **Telecommunication:** All telecommunication and network components shall be powered by an Uninterrupted Power Supply (UPS) to ensure continuous functionality for core services in the event of power failure.
- 0.29 **Telecommunication:** Proper fire stopping should be provided for all penetrations of walls by cables, trays, conduits etc. by UL approved sealants.
- 0.30 **Telecommunication:** All equipment and cable shields shall be properly bonded to the space's telecommunications bonding and grounding (earthing) infrastructure.
- 0.31 **Telecommunications:** The plot holder shall be responsible for individual regulated services such as telephone, Internet, etc. based on the plot type and needs.
- 0.32 **Telecommunication:** The plot holder shall ensure that the designed network shall have very secure cyber security systems so that the critical infrastructure is protected from malicious attacks that may pose security threats to the system.
- 0.33 **Surveillance:** The Plot holder shall provide and install a CCTV surveillance system for monitoring and recording of the unit's common area security. The Plot holder shall record and store all video from the surveillance system for a period of one (1) month. This shall apply to all type of residential, industrial, commercial, and special plots like schools, banks, healthcare etc. DMIC IITGNL shall have the right to obtain any recorded video from the Plot holder in case of any security reported incidents.
- 0.34 **e-Governance services:** The plot holder shall update Key Performance Indicators (KPIs) in the desired format every quarter at DMIC IITGNL Portal which shall enable DMIC IITGNL in pro-active operations and maintenance of the City.
- 0.35 **Environmental Considerations and Green initiatives:** The plot holders are encouraged to adopt best practices to reduce ICT carbon footprint and take green initiatives for environmental considerations where possible.
- 0.36 **RMU Access:** Plot holder are required to take prior permission from DMIC IITGNL in case any plot holder personnel intends to visit RMU locations. Access to only authorized personnel of plot holder will be allowed inside RMU locations.
- 0.37 **Penalty:** In case of damage to DMIC IITGNL property on account of the plot holder, applicable penalty will be levied on the plot holder due to the loss incurred on reinstatement of the property or loss of services.
- 0.38 **Communication:** Plot holders shall share communication details of the Single Point of Contract (SPOC) for the respective plots with whom DMIC IITGNL will coordinate for all necessary communications.