

LAHORE DEVELOPMENT AUTHORITY



LDA
BUILDING AND ZONING
REGULATIONS
(2019)



Lahore Development Authority

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LAHORE DEVELOPMENT AUTHORITY

NOTIFICATION

No. LDA/C&I/3798

DATED: 11.09.2019

The Governing Body of Lahore Development Authority in its meeting held on 24.08.2019 has approved Lahore Development Authority Building and Zoning Regulations 2019 and further approved minor corrections in the meeting 28.10.2019 & 28-01-2020.

CHAPTER-I

INTRODUCTION

1.1 Definitions

Unless otherwise expressly stated, the following terms shall, for the purposes of these Regulations shall have the meanings indicated in this part. Where the terms are not defined they shall have their ordinarily accepted meaning or such meaning as the context may apply.

Acre: means size of land equal to 43560 sq. ft (4047 sq.m) or 4840 sq. yards or 9.68 Kanals

Act: means the Lahore Development Authority Act 1975

Addition/Alteration: means any structural change brought about after approval of Building Plan without affecting or violating any provisions of these Regulations.

Addition & Alteration Plan: Building plans submitted to the Authority for obtaining approval of any structural change brought about after the completion of the building without affecting or violating any provision of these Regulations.

Amalgamation: means the joining of two or more adjoining (side by side and/or back to back) plots of the same land use into a single plot for building purposes.

Apartment: means a dwelling unit located in a multi-storey building meant to provide habitation.

Apartment Building: means a building containing more than two Apartments sharing common stair case lift or access spaces.

Approved Scheme: means a duly approved scheme under the Act for urban development, redevelopment or renewal and also includes the larger area plan and area specified for specific use/traffic control plan/housing and zoning schemes.

Arcade: means a covered walkway or a verandah between the shops and the street/footpath on which the shops abut.

Area: as defined in the LDA Act.

Authority: means the Lahore Development Authority, Lahore

Balcony: means a stage or platform projecting from the wall of the building surrounded by a railing or parapet wall.

Base: (applied to a wall or pillar) means the underside of the course immediately above the plinth, if any, or in case of a building having no plinth immediately above the foundation.

Basement: means the lowest part of a building, partly or completely below ground level.

Bay-Window: means a large window or a series of windows projecting from outer wall of the building and forming a recess within.

Builder: means any person having the ownership/leasehold title, project proponent, institution, company, firm, agency or government department, autonomous and semi autonomous bodies who intend to undertake building works.

Building Height: means total height of a building measured from the crown of the road to the top of the parapet wall excluding the structures such as chimney stacks, lift heads, stair case and water tower etc.

Building/House Line: means line beyond which the outer face of any building except compound wall, may not project in the direction of any existing or proposed street.

Building of Public Assembly: means and include any building or part of a building where group of people congregate or gather for amusement, recreation, social, religious, patriotic, civil, travel, health, education, ceremonial and similar purposes including (but not limited to) theaters, cinemas, assembly hall, auditoria, exhibition halls, marriage halls, community centers, clubs, schools, colleges, universities, hospitals, museum, skating rings, gymnasium, restaurants, places of worships, dance halls, clubs rooms, passenger stations and terminals of air surface and other public transportation services and stadiums etc.

Building Plan: means and include the plans, sections and elevations of every floor including basement or cellar, if any, clearly describing graphically the purpose for which the building intended to be erected and the accesses to and from several parts of the building and its appurtenances, the position, form, dimensions and means of ventilation, the depth and the nature of foundations, the proposed height of the plinth and super structure at the level of each floor together with the dimensions and description of all the walls, floors, roofs, columns, beams, joists and girders to be used in the walls, floors and roofs of such buildings.

Building Regulations: means the Lahore Development Authority Building and Zoning Regulations 2019 (Building Regulations 2007 as amended from time to time till year 2019).

Building Works: means site excavation, erection or re-erection of a building or making additions and alterations to an existing building.

Cardinal Points: means the directions of North, South, East and West as marked on the block/building plan.

Central Business District: means the central business/commercial area as prescribed in the relevant Master Plan.

Chamfer: means the flat surface made by cutting of sharp edge or corner of the plot to enhance the visibility at the turning point.

Clear Storey Height: means the clear height from finished floor to bottom of roof slab.

Commercial Building: means a building having market, shops or show rooms, warehouses, offices, hotels, restaurants, marriage halls, gas and petrol filling stations, public transport and cargo terminal etc. on any floor and may also have apartments in it.

Commercialization Committee: means Commercialization Committee as constituted under the respective section of the commercialization Rules / Land use Rules of the Authority notified by the government from time to time.

Competent Authority: means the authority competent to approve building plans under these regulations.

Completion Certificate: means the certificate issued by the Competent Authority on the completion of building works.

Completion Plan: means a building plan submitted to the Lahore Development Authority for the purpose of obtaining approval after construction.

Community Use: means prayer area, swimming pool, gym, children playing area, day care center, and visitor's lounges.

Contractor: means a person hired by a builder for constructing the building as per provision of sanctioned plan and other approvals.

Controlled Area: means an area declared as such through a notification by the Lahore Development Authority under the Act.

Consultant: means a person duly registered with the respective statutory professional body and hired by a builder for designing and supervision of construction activities of the building(s) in accordance with the sanctioned plan and other approvals.

Convenience/Muhalla Shop: means fruit and vegetable shop, grocery shop, food shop, tailor shop/embroidery shop, dairy shop, pharmacy, dry cleaners, hairdresser/barber, butcher shop, stationery, book shop, soft drink/pan shop, bakery, saloon/parlour, bicycle shops, tandoor, take away shop and ATM

Converted Plot: means a plot converted to commercial use under the commercialization rules notified by the government from time to time.

Corner Plot: means a plot facing two or more intersecting streets/roads.

Covered Area: means area covered by the building / buildings above and below the ground level, but does not include the space covered by:-

- a) Court yard at the ground level, garden, rocky area, plant nursery, water pool, swimming pool (if uncovered) platform around a tree, water tank, fountain and bench etc.
- b) Drainage, culvert, conduit, catch-pit, chamber gutter and the like;
- c) Compound or boundary wall, gate, slide, swing, uncovered staircase, watchman booth and pump house.
- d) Sump tank and electricity transformer.

Damp Proof Course: means a layer of material impervious to moisture.

Dangerous/Hazardous Buildings: means a building or structure or a part thereof which is declared as structurally unsafe and/or which is hazardous as specified in sub-para-2 & 3 of para-34 of (VI) Schedule of PLGO 2001.

Dead Loads: means the load due to the weight of all walls, permanent partitions, floors, roofs and finishes including services and all other permanent construction.

Demolition: means the process of dismantling the building or part thereof.

District Centre/Divisional Centre: means other than CBD, business/commercial areas as prescribed in the Master Plan of Lahore as District Centre/Division Centre.

Drainage: means a system of natural and artificial removal of surface and sub surface water (liquid, sewage etc.) from any area.

Educational Institution: means a school, college, university, library, research & training centre and testing laboratory etc.

Environmental Impact Assessment: means process of identifying, predicting, evaluating and mitigating the biological, social, and other relevant effects of the development proposal prior to major decisions being taken and commitments made.

Earth Quake Resistive Structure: means building designed to prevent total collapse, preserve life, and minimize damage in case of an earthquake or tremor, to ensure Earthquake resistant structures that absorb and dissipate seismically induced motion through a combination of means: damping decreases the amplitude of oscillations of a vibrating structure, while ductile materials (e.g., steel) can withstand considerable inelastic deformation.

Established Built up areas: means old unplanned area where majority the buildings have been in existence for a minimum period of 25 years.

Farm House: means dwelling place attached to a farm on land having an area not less than four kanals falling in agriculture area as notified in the Master Plan

Fence: means a temporary barrier around a building or structure under construction or repair.

Field Staff: means Building Inspectors, Demolition Inspectors, Surveyor, Assistant Directors and Deputy Directors.

Fire Fighting System: means the properly placed equipments to extinguish fire.

Floor Area Ratio (FAR): means the aggregate covered area of a building or buildings (excluding the area under covered parking) on a plot divided by the total area of the plot.

Floor Height: means the vertical distance from the top of the floor finish to the top of the floor finish on the next floor above or below.

Foundation: means a structure entirely below the level of the ground which carries and distributes the load from pillars, beams or walls on to the soil below.

Gallery: means an open or a covered walk way or a long passage.

Girder: means large iron or steel beam or compound structure used for building bridges and the framework of large buildings.

Governing Body: means the Authority as defined in the Act.

Government: means the Government of Punjab.

Ground Coverage: means the percentage of the plot area that can be covered at the ground floor.

Health Institutions: means hospital, dispensary, clinic, health centre, nursing home, testing laboratories, MRI and CT scan centers and medical training institutes.

Hoarding: means any advertising tool including advertising boards, neon signs etc. which are displayed on the top of the building or in the vacant plot.

Horticulture: The art of practice of garden cultivation and management.

Housing/Dwelling Unit: means a part or whole of a residential building capable of being used independently for human habitation.

Industrial Zone: means an industrial zone prescribed in the Master Plan and approved schemes.

Industry: means factories, workshops, warehouses, industrial godowns and also includes the cottage, service, medium & heavy industries as defined by the industries department, government of the Punjab.

Infrastructure: means the basic facilities, utility services and installations including transportation and communication systems, water supply, drainage and sewerage system, telephone, sui gas, cable, power lines and grid stations.

Joist: means the length of timber or steel supporting part of the structure of a building, typically arranged in parallel series to support a floor or roof.

Kanal: means a size of land equal to 20 marlas.

Kiosk: means a kiosk is a small, is removable stand-alone booth or device often used to vend merchandise or services.

Landscape Plan: means a plan showing the visible features in the open area of plot around the building such as walkways, green areas, fountains, ponds, trees etc.

List-A: means roads or segments of roads on which commercial use has been permitted under the Lahore Development Authority land use Rules (Classification, Reclassification and Re-Development) Rules 2009 or Lahore Development Authority Land use Rules 2014) or any other rules framed or amended from time to time.

List-B: means roads or segments of roads on which commercial use has been prohibited under the Lahore Development Authority land use Rules (Classification, Reclassification and Re-Development) Rules 2009 or Lahore Development Authority Land use Rules 2014) or any other rules framed or amended from time to time.

Live Loads: means those loads produced by the use and occupancy of building or other structure and do not include the construction or environmental loads such as wind load, snow load, rain load, earthquake load, floor load or dead load.

Local Development Plan: means plan for any specific area for specific type of urban development for which specific Building and Zoning Regulations may be prepared and notified by the Authority.

Low Rise: means a building having less than 48 ft. height, measured from the crown of the road to the top of the parapet wall excluding the structures such as chimney stacks, lift heads, stair case tower and water tower etc.

Main Civic and Commercial Centres: means civic/commercial areas of the approved government/private housing schemes other than Neighborhood commercial area including Divisional and District Centres as defined in the Master Plan of Lahore.

Major Repair: means all repairs other than the minor repair.

Mandatory Open Spaces: means the spaces required by these Regulations to be left open at ground level around the building.

Market: means a group of shops assigned particularly for one or more specified trades

Marquee: means large tent used for social or commercial functions.

Marlas: means a size of land equal to 225 sq.ft. (20.91 sq.m) in case of Lahore District and 272 sq.ft. (25.28 sq.m) in other Districts of Punjab.

Master Plan: means the latest approved land use plan of Lahore and shall deem to include Structure plan, Outlined Development Plan, Development Plan and Spatial Plan etc.

Mansion: means a large residence consisting of area more than 2 Kanal and upto maximum of 60 kanal will be allowed in Residential area as specified in Master Plan.

Mega Project: The project of multiple land use/multi storey buildings predominantly of commercial use with plot area more than 30 kanal

Minor Repairs: means painting, white washing, plastering, paving, replacement of doors, windows, glass, floors tiles, repairing of walls and roofs, building or rebuilding of the boundary walls as per sanctioned plan.

Multi-Storey Building: means a building having more than 48 ft. height, measured from the crown of the road to the top of the parapet wall excluding the structures such as chimney stacks, lift heads and water tower etc and classified into medium rise 1(upto 90 feet), medium rise 2 (upto 120 feet), high rise 1(upto 200 feet), high rise 2 (upto 300 feet) and sky scrapper above 300 feet.

Neighborhood Commercial Areas: these include plots/units reserved for commercial/office use in mohallah or neighborhoods, sectors, blocks etc. in an approved housing scheme other than main commercial areas in approved government/private housing scheme.

Open Space: means area of protected or conserved land on which development is indefinitely set aside.

Ordinance: means the Punjab Local Government Ordinance 2001.

Other Commercial Area: these are roads or areas predominantly used for commercial purposes in the established built up areas that have not been declared as commercial area.

Parapet Wall: means a wall, whether plain, perforated or paneled, protecting the edge of a roof, balcony, verandah or terrace.

Pergola: means a structure with perforated roof consisting of cross bars in the form of reinforced concrete, wood or steel etc. of which more than 50% of roof is open to sky.

Period of Validity of Sanctioned Plan: means the period specified at the time of sanctioning of building plan for the completion of the said building.

Person: means any cooperate or individual entity that is recognized by law as having the right to hold property and to sue and be sued.

Plinth: means the portion of the building between the ground level and the level of the ground floor.

Porch: means a roof cover supported on pillars or cantilevered projection for the purpose of pedestrian or vehicular approach to a building.

Predominantly Open Areas: means areas which may be unplanned/undeveloped or predominantly used for agriculture purpose or lying vacant.

Prescribed Form: means a form prescribed, for various purposes by the Authority under these Regulations.

Prohibited Area: means an area where conversion of land use is not allowed or prohibited.

Property: means plot or structure to which its builder has freehold title.

Property Line: means the boundary wall of the plot.

Public Building: means a building designed for public use and includes dispensaries, post offices, police stations, bus/wagon stands, railway station, air port terminals, town halls, libraries and

premises of social agencies such as hostels, local government offices and educational institutions, hospital and clinics, mosques, fire stations and rescue centers etc.

Ramp: means a drive way that has a running slope steeper than one unit vertical in 20 units horizontal (5-percent slope)

Registered Architect: means a person holding valid registration / enlistment with the Pakistan Council of Architects & Town Planners and enrolled on the list of approved architects maintained by the Authority.

Registered Town Planner: means a person holding valid registration with Pakistan Council of Architects & Town Planners and enrolled on the list of approved Town Planners maintained by the Authority.

Religious Buildings: means mosques, churches, shrines etc.

Residential Building: means a building exclusively designed to be used for human habitation together with such out houses as are ordinarily ancillary to the main building and used in connection therewith.

Resident Engineer: means construction supervising engineer, working for the builder to perform such duties and functions as stated in these Regulations.

Right of way: means width of road/street between two opposite property lines.

Septic Tank: means a tank in which sewage is collected and decomposed before its discharge into a public sewer or Soakage Pit.

Setback: means an area to be surrendered for road widening as per approved scheme/plan, under the relevant master plan of Lahore or provided under any other rule.

Site Plan: means the plan of the proposed construction site showing the position of the proposed building (s) and existing building (s), if any, the width and level of the streets on which the plot abuts and the adjoining plot numbers, if any, together with cardinal point.

Skyline: means maximum prescribed height limit beyond which no structure including machine room, parapet wall, mummy, HTML tower, advertisement boards/hoardings etc. are permitted

Soakage Pit: means a pit filled with aggregate, boulders or broken brick and intended for the reception of waste water or effluent discharged from a Septic Tank.

Steel Structure: means a structure which is made from organized combination of structural steel members designed to carry loads and provide adequate rigidity.

Storey: means the space between the surface of one floor and the surface of the other floor vertically above or below.

Structural Calculations: means detailed calculations showing sufficiency of the strength of every load bearing member of the proposed structures.

Structural Engineer: means a consulting engineer registered with PEC with 5 years of professional experience as structural engineer and engaged by the builder.

Sun-Shade: means an outside projection from a building over a minimum Building height of 7 ft (2.13m) from the plinth level meant to provide protection from weather.

Timbering: means the setting of timber support or shafts for protection against falls from roof, face, or rib.

Traffic Impact Assessment Study: means a comprehensive exercise to indicate the potential traffic impacts of any new Development and provide operation analysis of the adjacent and

surrounding road ways, traffic signals, sidewalks, general traffic and public transport etc. It also suggests the various measures to mitigate/reduce the potential traffic impacts.

Urban Development Project: means multi-storey building (s) on a converted plot of more than 2-kanal.

Verandah: means a roofed gallery, terrace or other portion of a building with at least one side open to courtyard or a permanent open space.

Warehouse: means a building where raw materials, intermediate products or manufactured goods may be stored.

Winder: means a tread with nonparallel edges.

Zone: means an area / areas earmarked for a particular use/building height/density in approved Master Plan or approved scheme.

1.2 Zoning: These Regulations shall be applicable to the following different Zones;

1.2.1 Residential Zone: for the purpose of these Building Regulations plots or buildings used for residential purposes shall fall in any of the following categories of residential zone.

- a. **Approved Scheme:** residential buildings/units in approved schemes.
- b. **Established Built up Area:** residential buildings/units in established built up areas
- c. **Predominantly Open Area:** residential building/units in predominantly open areas.

1.2.2 Commercial Zone: The commercial zone consists of business, financial and professional offices, buildings of public assembly, hotels, motels, show rooms, boutiques; and social welfare institutions. Following are categories of commercial Zone:-

- a. **Plots of 6-Kanals and above on roads with minimum 80 ft right of way:** falling in any commercial zone.
- b. **Central Business District:** commercial units, offices and buildings of public assembly within CBD areas.
- c. **Main Civic and Commercial Centres:** consists of commercial units, offices and buildings of public assembly including District and Divisional Centers and main commercial areas of approved private housing schemes.
- d. **Neighborhood Commercial Area:** consists of commercial units, offices and buildings of public assembly in the area reserved for sector/mohallah shops in approved private housing schemes.
- e. **Other Commercial Areas:** consists of commercial unit, offices and buildings of public assembly in areas used for commercial purposes.
- f. **Converted Plots under Commercialization Rules:** consists of commercial units, offices and buildings of public assembly along roads approved under commercialization rules from time to time.
- g. **Predominantly Open Areas:** commercial units, offices and buildings of public assembly in predominantly open areas.

1.2.3 Industrial Zone: The industrial zone consists of industries, like heavy, medium, light and hazardous factories, workshops, ware-houses and godowns, etc. Following are the categories of industrial zones:

- a) **Industrial Estate and Industrial Areas in Approved Schemes:** industrial units as prescribed in approved Master Plan and schemes of Lahore. (falling in the areas under LDA's jurisdiction)
- b) **Industrial Zones in Established Built up Areas:** already existing industrial areas in established built up area.
- c) **Industrial Zones in Predominantly Open Areas:** industrial units in predominantly open areas

1.2.4 Special Areas Zones:

a. Walled City Area or Historically Significant Areas

b. The building regulation for Walled City Area or Historically Significant Areas as specified in the approved Master Plan or schemes shall be prepared by the Authority of the respective city district.

c. Flood Plain

Flood plains as defined in the approved master Plan or notified by the relevant department shall be dealt with strictly in accordance with the recommendations of the Master Plan. However, if Government provides protective bunds and safeguards in flood plain area then Authority may prepare special building regulations in accordance with local conditions

d. Environmentally Sensitive Areas

These includes natural parks, wild life parks, forest, mountainous terrain , areas having mines, mineral deposits and water shed areas etc. Authority may prepare special building regulations following the requirements of the concerned departments and provisions of the approved Master plan and schemes.

e. Shahalam Gate Development Scheme, Walled City, Lahore.

This scheme shall be governed under the provisions of the Damaged Area Act-1952 and the Building Regulations framed there under.

CHAPTER-2
SITE REQUIREMENTS: RESIDENTIAL

2.1 Established Built Up Areas

2.1.1 Mandatory Open Spaces:

- a. For a building abutting on roads having up to 25 ft (7.62 m) right of way the building line shall be as established by the buildings which are in existence but as far as side and rear spaces are concerned, the following table at 2.1.1(b)*² shall be applied.
- b. For the buildings abutting on roads having more than 25 ft (7.62 m) right of way, the mandatory open spaces shall be as follows:

Plot Size/zone	Building Line	Rear Space	Side Space
Less than 5-Marla	5 ft (1.52 m)	Not required	Not required
5 Marla's & above but less than 10 marlas	5 ft (1.52 m)	5 ft (1.52 m)	Not required
10 Marlas to 30 Marlas	10 ft (3.05 m)	7-ft (2.13 m)	5 ft (1.52 m) (on one side)
Above 30 Marlas but less than 2-kanals	10 ft (3.05 m)	7-ft (2.13 m)	5 ft (1.52 m) (on both sides)
2-kanals & above	20-ft (6.1m)	10 ft (3.05m)	10-ft. (3.05) (on both sides)

- c. Notwithstanding the provisions under 2.1.1 (a & b) above, the construction of drain, sewer, septic tank, cess pool, filter or other structure in connection with disposal of waste liquid or open garden tank or private swimming pool is permissible, provided that no roofed building are attached to any of them.

2.1.2 Building Height

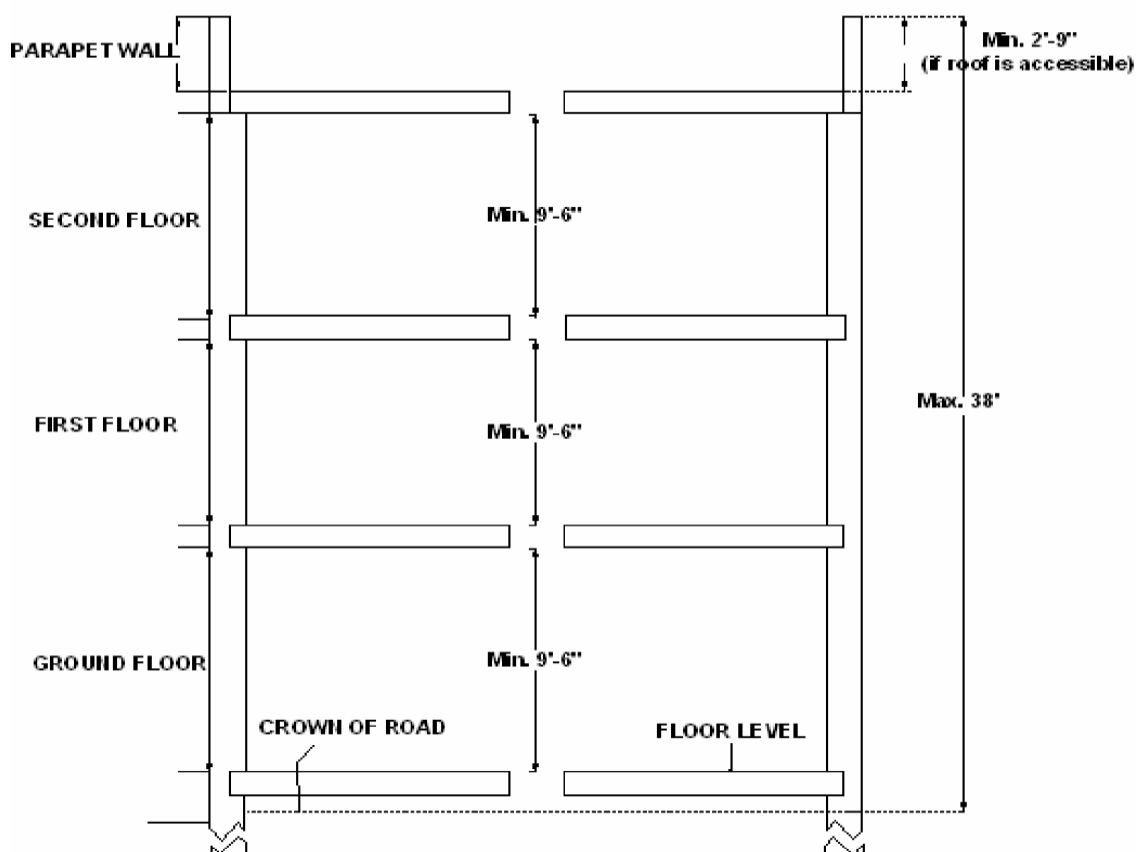
- a. The height of any residential building other than Apartment Buildings abutting roads having Right of Way upto 25 feet measured from the crown of the road to the top of the parapet wall shall not exceed 38 ft (11.58 m) and the minimum clear height of each storey, other than the basement, shall not be less than 9-ft 6-inches (2.9m), measured from finished floor level upto underneath of the roof slab above.
- b. The height of any residential building other than Apartment Buildings abutting roads having Right of Way more than 25 feet measured from the crown of the road to the top of the parapet wall shall not exceed as applicable in approved schemes (clause 2.2.3) and the minimum clear height of each storey, other than the basement, shall not be less than 9-ft 6-inches (2.9m), measured from finished floor level upto underneath of the roof slab above.

2.1.3 Ground Coverage and Floor Area Ratio (FAR)

For buildings abutting on roads having more than 25 ft (7.62m) right of way, the FAR and ground coverage shall be as applicable in approved schemes. Whereas FAR and ground coverage on roads having right of way up to 25 ft (7.62m) shall be as follows:

Plot size	Maximum Ground Coverage	Maximum FAR
Less than 5-Marlas	85%	1:2
5-Marlas & above but less than 10 marlas	80%	1:1.6

10 Marlas & above but less than 1-Kanal	70%	1:1.5
1-Kanal & above but less than 2-kanals	65%	1:1.4
2-kanals & above	60%	1:1.3



(Fig-2.1-Height of Residential Building)

2.1.4 Porch

Car porch not exceeding 20-ft (6.1m) in length shall be permissible in the side space. In case of corner plots car porch shall be permissible along longer side. In case of sites **having a requirement of** minimum 5-ft (1.5m) side space, construction of a room over the car porch equal to its area shall also be permissible.

2.1.5 Toilet /Bathroom

A toilet / bathroom not exceeding 40 sq ft (3.72 sq.m) in area and 8 ft (2.44m) in height can be constructed in the rear corner towards the dead wall as an integral part of main building.

2.2 Approved Schemes

2.2.1 Mandatory Open Space

Plot Size/zone	Building Line	Rear Space	Side Space
Less than 5-Marla	5 ft (1.52 m)	5 ft (1.52 m)	Not required
5 Marla's & above but less than 10 marlas	5 ft (1.52 m)	5 ft (1.52 m)	Not required
10 Marlas to 30 Marlas	10 ft (3.05 m)	7-ft (2.13 m)	5 ft (1.52 m) (on one side)
Above 30 Marlas but less than 2-kanals	10 ft (3.05 m)	7-ft (2.13 m)	5 ft (1.52 m) (on both sides)
2-kanals & above	20-ft (6.1m)	10 ft (3.05m)	10-ft. (3.05) (on both sides)

2.2.2 Building Height

- a. The height of any residential building other than Apartment Buildings measured from the crown of the road to the top of the parapet wall shall not exceed as described in section 2.2.3.
- b. No residential building other than Apartment Building shall contain more storey as described in section 2.2.3 and the minimum clear height of each storey, other than the basement, shall not be less than 9-ft 6-inches (2.9m), measured from finished floor level upto underneath of the roof slab above.

2.2.3 Ground Coverage, Floor Area Ratio (FAR), Height, No. of Storeys, and Parking Requirements

Maximum ground coverage, height and floor area ratio (FAR) shall be as described:

Plot Size/Zone	Max No. of Storey (excluding basement)	Max Ground Coverage	Max Height	Max FAR	Minimum Parking Provision
Less than 5-Marla	3	80%	38 ft	1:2.4	Optional
5 Marla & above but less than 10 Marla	3	75%	38 ft	1:2.3	Optional
10 Marla & Above but less than 1 Kanal	4	70%	45 ft	1:2.8	Optional
1 Kanal to 30 Marla	4	65%	45 ft	1:2.6	Optional
Above 30 Marlas but less than 2-kanals	4	60%	45 ft	1:2.4	Optional
2-kanals & above	4	55%	45 ft	1:2.2	Optional

- a) Basement is included in FAR.
- b) Structure Stability Certificate, Structure Drawings and Calculations are required above 38' (4 Storeys) duly vetted by the Structural Engineer on the panel of LDA.
- c) In case of amalgamation, Building Regulations of the resultant plot size shall be applicable.
- d) Applied only on new proposed and Re-build plan.
- e) For parking provision, a storey must contain at least a habitable room, a latrine, bath room and a kitchen.

2.2.4 Porch

As provided in section 2.1.4

2.2.5 Toilet/Bathroom

As provided in section 2.1.5

2.2.6 Farm house

- i. Minimum Area of Farm House will be 4 Kanal
- ii. The number of storey(s) permissible in a farm house shall not be more than two with a maximum building height of 30ft and one basement may be permitted in farm house.
- iii. The mandatory spaces as provided for 2 kanals and above in the section 2.2.1 shall be applicable.

- iv. Maximum ground coverage shall be 30%. up to 40 kanals. If land is above 40 kanals, the ground coverage will not be more than 30% of 40 kanals”

2.3 Predominantly Open Areas

2.3.1 Mandatory Open Spaces:

The permissible building line shall be the same as provided in section 2.2.1. The other mandatory spaces shall be as follows:

Frontage of Plot	Rear Space	Side Space
Less than 30-ft (9.15 m)	5-ft (1.52 m)	Not required
30 ft (9.15 m) & above but upto to 50 ft (15.24 m)	5-ft (1.52 m)	5-ft (1.52 m) on both side
Above 50 ft (15.24 m) & up to 70ft (21.34 m)	10.ft (3.05 m)	5-ft (1.52 m) on both side
Above 70 ft (21.34 m)	10.ft (3.05 m)	10.ft (3.05 m) on both sides

2.3.2 Building Height

As provided in section 2.2.2.

2.3.3 Ground Coverage and Floor Area Ratio (FAR)

As provided in section 2.2.3.

2.3.4 Porch

As provided in section 2.1.4.

2.3.5 Toilet/Bathroom

As provided in section 2.1.5.

2.3.6 Farm house

As provided in section 2.2.6.

2.4 Professional Activities Allowed in a Residential Units

A part, not exceeding 25% of the floor area of a residential building can be used subject to formal permission from a competent authority as office associated with the resident's profession e.g. a doctor's clinic or office, a lawyer's office, account's office or other technical consultant's offices etc. This facility shall be available only to a resident holding both a professional degree from a recognized University and registration with a Council or statutory body duly constituted under a Federal or Provincial Enactment. If the resident of a Housing Unit happens to be a tenant, he will also be required to submit a no objection certificate from the owner in this regard.

Note: The provisions under land use Rules shall prevail

2.5 Apartment Buildings

The apartment building can be allowed in earmarked apartment site(s) in approved schemes, residential plot(s) in approved schemes and areas other than approved schemes. The height zones will be followed as contained in Chapter 11.

Zones	Max Ground Coverage	F.A.R	Storey	Height (Including parapet wall)	Plot Size	ROW of Road	Parking Requirement
Low Rise	65%	N.A	G+3	Upto 48 feet	Min 10 Marla upto less than 1 Kanal	Min 30 feet	Optional

Medium Rise-1	65%	N.A	G+6	Upto 90 feet	Min 1 Kanal and less than 2 Kanal	Min 40 feet	One floor on entire plot dedicated for parking as per section 5.7.6(a). *1
Medium Rise-2	65%	1:6	G+11	Upto 160 feet	Min 2 Kanal and less than 4 Kanal	Min 40 feet	i) One car space for 1600 sft. useable area. *2
High Rise-1	65%	1:8	G+14+Service Floor	Upto 200 feet	Min 4 Kanal and less than 8 Kanal	Min 60 feet	One car space for 1600 sft useable area
High Rise - 2	65%	1:12	G+23+Service Floor	Upto 300 feet	Min 8 Kanal and less than 12 Kanal	Min 80 feet	One car space for 1600 sft useable area
Skyscraper	50%	Above 300 feet increase in F.A.R @ 4% Proportionate to height (e.g if height is 400 ft then F.A.R will be $400*0.04=16$)	(No Restriction), NOC from CAA	Above 300 feet	Min 12 Kanal and above	Min 80 feet	One car space for 1600 sft useable area

*1 In case the owner (having plot size upto 2 Kanal), opts for lower category zone under 11.1 (3) then the parking requirement of that relevant zone will be applicable and it will not be linked with plot size upto 2 Kanal . However, if an owner having plot size more than 2 Kanals, opts for lower category zone under 11.1 (3) then parking @ One car space for 1600 sft. useable area shall be provided.

*2 In case the owner opts for lower category zone under 11.1 (3) then the parking requirement of relevant zone will be applicable and it will not be linked with plot size.

Note:

(1) The parking in the setback areas and mandatory spaces will not be allowed and will be used for pedestrian walkways or green spaces. However, in case of addition, alteration or revise plan if the parking already approved in the plan will remain intact.

(2) The apartment building in approved private housing scheme shall be constructed at designated site, however, if someone intends to raise apartments on residential plot(s) of approved private housing scheme, the criteria /procedure mentioned at clause 11.2(3) will be observed.

(3) For Apartment Buildings in Medium Rise-I category in the Table under Clause 2.5, height up to 90ft may be allowed on a 30 ft. road subject to provision of 5 ft. setback by each owner of the plot abutting 30 feet road.

(a) Mandatory Open Space For Apartment Building shall be as follows-

Plot Size/zone	Building Line	Rear Space	Side Space
10 Marlas to 30 Marlas	10 ft (3.05 m)	7-ft (2.13 m)	5 ft (1.52 m) (on one side)
Above 30 Marlas but less than 2-kanals	10 ft (3.05 m)	7-ft (2.13 m)	5 ft (1.52 m) (on both sides)
2-kanals & above	30-ft. (9.15 m)	13-ft. (3.96 m)	13 ft (3.96 m) (on both sides)

*Notwithstanding the provisions of above, a guard room measuring not more than 100 sq ft (9.29 sq m) in area with 8 feet height is permissible near the gate in case of apartment building.

- i. Structure Stability Drawing/Calculations are required for plots above 38'.
- ii. Amalgamation of plots is allowed, whereas sub division of plot in Civic Center is strictly prohibited.
- iii. Multiple Ownership for amalgamation is allowed
- iv. Extra Height Charges above 38 feet (Rs. 100/- per sft of covered area for apartment building & Rs.60/- per sft for commercial building)
- v. WASA Augmentation Charges for converted plots.
- vi. Convenience shop at neighborhood level will be allowed on ground floor for grocery, barber and daily need items in apartment building subject to following conditions:
 - a. Optional provision of a single muhalla shop (max. area 450 sft.) on ground floor in a 10-Marla apartment building.
 - b. Optional provision of two muhalla shops (max. area 450 sft. each) on ground floor in a 1-Kanal apartment building.
 - c. In addition to convenience shops, the community use on ground floor will not be permissible on apartment building having a plot area of less than 2 Kanal
 - d. Optional provision of muhalla /community use as per need units (max. 4 shops on ground floor) in an apartment building of 2-Kanals and above.
 - e. For any building above 2-Kanals a community hall shall be allowed, not exceeding 800 sft., which will not be used for any commercial activity (no amount can be charged for this use). The sponsor shall devise a mechanism for usage of community hall that shall be in line with LDA rules, and the same shall be filed with LDA. If any complaint is received regarding usage, LDA would reserve the right to take action.

(b) Violations in mandatory spaces are non-compoundable

In case of removal of partition wall (s) at any stage without approval from LDA, plans will be cancelled / revoked

2.6 Parking Space Standard.

- i. As mentioned in table given under heading 2.5 Apartment Buildings

- ii. **Motor Cycles**

In addition to car parking space, an area equal to 16% of the total car parking area shall be provided for motor cycle.

2.7 Additional Requirements.

- i. Pillars construction is allowed in residential 3 storey buildings and compulsory for buildings having 4 storeys and above with maximum pillar size 15-inch x 15-inch maximum 20-feet span.
- ii. No billboard and hoardings shall be allowed on residential plots.
- iii. Plots abutting on 60-ft and above right of way, separate plans for basement shall be submitted and sanctioned released in the first phase in residential buildings.

- iv. For determination of building completion date for issuance of completion certificate of residential buildings the utility bills of electricity & Sui Gas installation may be considered by the Authority.
- v. Rain water invert wells for houses having area of more than 5 marla shall be provided to increase water aquifer level and less disposal activity (less consumption of electricity/diesel at Disposal Station).
- vi. Underground water tank and over head water tank shall be provided in all types of residential buildings having area of 3-marlas and above.
- vii. In residential building insulation of outer walls, roofs and windows shall be provided for energy efficiency.
- viii. Walls facing sun shall be insulated in residential buildings.
- ix. In case of old type design constructed houses, such cases may be processed as per prevailing regulations.

2.7.1(a) No Building Plan shall be approved without frame structure for more than 3 storeys buildings.

(b) Building Plan will be sanctioned in following stages in such way that grey structure including all partition walls must be completed in all aspects i.e. (partition wall for rooms, kitchen, bathrooms, etc) before release / sanction of next stage.

- i. Excavation Plan for Basement including design of retraining structure, Basement upto plinth level/ foundation plan for ground floor including design of foundations for pillars when no basement is proposed etc. (Stage-I)
- ii. Upto Ground Floor (Stage-II).
- iii. Upto Second Floor i.e. 38 feet height (Stage-III)
- iv. Above 38 feet height upto permitted building height (Stage-IV).

(c) Violations in mandatory spaces are non-compoundable

In case of removal of partition wall (s) at any stage without approval from LDA, plans will be cancelled / revoked

SITE REQUIREMENTS: COMMERCIAL & PUBLIC BUILDINGS

3.1 Different categories of Plots falling in Central Business District, Other Commercial Areas/ roads specified in the Master Plan/Any other Local Area Plan/ Action Area Plan and Converted Plots

3.1.1 Allowed Coverage, FAR, No. of Storey, Height, Plot Size and Minimum ROW of Road are as under:

Zones	Max Ground Coverage	F.A.R	Storey	Height (Including parapet wall)	Plot Size	ROW of Road	Parking Requirement
Low Rise	65%	N.A	G+3	Upto 50 feet	Upto 10 Marla but less than 1 Kanal	Min 30 feet	Optional for Apartments, Shops and Office Buildings. For rest of the uses, provisions mentioned at 3.11 shall be applicable.
Medium Rise-1	65%	N.A	G+6	Upto 90 feet	Min 1 Kanal but less than 2 Kanal	Min 30 feet	One floor on entire plot dedicated for parking as per section 5.7.6(a) for Apartments and Office Buildings. For rest of the uses, provisions mentioned at 3.11 shall be applicable.
Medium Rise-2	65%	1:5.5	G+9	Upto 120 feet	Min 2 Kanal but less than 4 Kanal	Min 40 feet	Parking requirement as per specific use mentioned in Clause 3.11
High Rise-1	65%	1:8	G+14+Service Floor	Upto 200 feet	Min 4 Kanal but less than 6 Kanal	Min 60 feet	Parking requirement as per specific use mentioned in Clause 3.11

High Rise - 2	65%	1:12	G+23+Service Floor	Upto 300 feet	Min 6 Kanal but less than 12 Kanal	Min 80 feet	Parking requirement as per specific use mentioned in Clause 3.11
Skyscraper	50%	Above 300 feet increase in F.A.R @ 4% Proportionate to height * (e.g if height is 400 ft then F.A.R will be 400*0.04=16)	(No Restriction), NOC from CAA	Above 300 feet	Min 12 Kanal and above	Min 80 feet	Parking requirement as per specific use mentioned in Clause 3.11

Note:

The building plans already submitted after 11-09-2019 till date will not be affected by these amendments and will be processed under the provisions applicable on day of submission.

Extra Height Charges above 38 feet (Rs. 100/- per sft of covered area for apartment building & Rs.60/- per sft for commercial building)

The increase in FAR above 300 feet in Skyscraper zone shall be proportionate to the actual proposed height

*Determination of FAR within Skyscraper shall be made on the basis of formula given in above table.

3.2 Central Business District

As mentioned under clause 3.1

3.2.1 Mandatory Open Spaces

No mandatory open spaces are required in plots reserved for commercial / office use in the Central Area.

3.3 Main Civic and Commercial Centers & Neighborhood Commercial Areas

3.3.1 Mandatory Open Spaces

No mandatory open spaces are required in commercial /office building use in the main Civic and Commercial Centers as well as Divisional and District Centre and neighborhood, including basement provided the level of arcade shall not be more than 6-inches from the adjoining road level.

3.3.2 Building Height

The Ground coverage and FAR shall be as under:

Ground Coverage and Floor Area Ratio (FAR)

Zones	Ground Floor Coverage including Arcade & subsequent floor	F.A.R	Storey	Height (Including parapet wall)	Plot Size	Parking Requirement
Low Rise	7/8 th of plot area & 3/4 th on Subsequent floor	N.A	G+2	Upto 38 feet	Less than 4 Marla	Not Required
Medium Rise-1	7/8 th of plot area & 3/4 th on Subsequent floor	N.A	G+5	Upto 72 feet	4 Marla less than 10 Marla	Not Required

	7/8 th of plot area & 3/4 th on Subsequent floor	N.A	G+6	Upto 90 feet	10 Marla to less than 2 Kanal	Not Required
Medium Rise-2	7/8 th of plot area & 3/4 th on Subsequent floor	1:5.5	G+9	Upto 120 feet	Min 2 Kanal and less than 4 kanal	Not Required
High Rise-1	7/8 th of plot area & 3/4 th on Subsequent floor	1:8	G+14+Service Floor	Upto 200 feet	Min 4 Kanal and less than 8 Kanal	One car space for 1600 sft useable area
High Rise-2	7/8 th of plot area & 3/4 th on Subsequent floor	1:12	G+23+Service Floor	Upto 300 feet	Min 8 Kanal and less than 12 Kanal	One car space for 1600 sft useable area
Skyscraper	7/8 th of plot area & 3/4 th on Subsequent floor	Above 300 feet increase in F.A.R @ 4% Proportionate to height (e.g if height is 400 ft then F.A.R will be 400*0.04=16)	(No Restriction), NOC from CAA	Above 300 feet	Min 12 Kanal and above	One car space for 1600 sft useable area

- a. Only one basement is allowed with a maximum depth of 12ft (3.66m) from the road level for plot area up to 1 kanal. However, plots fall in Medium Rise Zone-2 (upto 120 ft height) may have more than one basement.
- b. Amalgamation of plots is allowed, whereas sub division of plot in Civic Center is strictly prohibited.
- c. The Sponsor / Owner may utilize the designated parking space in front of Commercial building for construction of **underground** parking after getting plan vetted by TEPA and Town Planning, LDA.
- d. As regards, the plots of Timber Market, Fruit and Vegetable Markets and other such scheme where in the past type design buildings, the permission may be given to process case on Low-Rise zones upto 38 feet with one basement (optional).

3.5 Other Commercial Areas

In all other commercial areas / roads specified in the Master Plan of the city/any other Local Area Development Plan/Action Area Plan, the building height, coverage & Floor Area Ratio shall be as specified by the Development Authority for the particular area.

3.6 To the Converted Plots under Commercialization Rules

The following building regulations shall be applicable to all the converted plots under 3.1

3.6.1 Mandatory Open Spaces

The building lines for all categories of converted plots shall be as specified by the Commercialization Committee. The other mandatory open spaces shall be as follows:

Plot Size	Rear Space	Side Space
Less Than 5 Marlas	5-ft (1.52m)	Not Required
5 Marla and above but less than 10 Marla	5-ft (1.52m)	Not Required
10 Marla and above but less than 1.5-Kanal	7-ft (2.13m)	Not Compulsory
Above 1.5- Kanal but less than 2 Kanals	7-ft (2.13m)	Not Compulsory
2 Kanals and above	13-ft (3.96m)	13-ft (3.96m) on both sides

3.6.1. (a) The building line in Gulberg Scheme for all categories of converted corner plots shall be as specified by the Commercialization Committee. The other mandatory spaces shall be as follows:

Sr. No.	Size of Plot	Front Mandatory Space	Towards Longer Road Side Space	Other Side Space	Rear Space
1	10 Marla upto 1-Kanal	30 FT	Not Compulsory	Not Compulsory	7 FT
2	Above 1-Kanal but less than 2-Kanal	30 FT	Not Compulsory	Not Compulsory	7 FT
3	2-Kanal and above	30 FT	16 FT	10 FT	13 FT

3.6.4 Additional Regulations

Following additional Regulations shall also be applicable:

- a. The floor level of mandatory open spaces for all buildings shall not be more than 6 inches higher or lower than the adjoining road level.
- b. No boundary wall between two adjoining commercial buildings to improve access of utility vehicles.
- c. Vehicular entry and exit shall be provided.
- d. Except emergency exits, window and other openings on the upper floors shall not be allowed, which may adversely affect the privacy of adjoining properties.
- e. Parking shall be provided as laid down in these Building Regulations.
- f. No structural changes shall be allowed in the buildings after grant of temporary / annual commercialization.
- g. The side spaces between two commercial buildings shall be kept at the same level for common use.
- h. Parking Basements can be constructed according to the soil conditions/water table in the particular area
- i. For mega projects, FAR, Ground Coverage, Height and similar architectural / planning aspects shall be decided by the Authority (Board of Governor) on the request of owner(s) in case of any difficulty, hardship pertaining to planning/ building standards and maximum building plan period.
- j. For energy efficiency, all new commercial building shall provide LED lights for lighting
- k. In all new commercial buildings, solar energy systems, shall be provided at least for corridors lights.
- l. For plots abutting on 60-ft and above right of way, separate plans for basement shall be submitted and sanctioned/released in the first phase in residential buildings.
- m. Requirement of NOC from the Civil Aviation Authority shall be mandatory as per relevant Rules of Civil Aviation Authority and directions received from time to time in multi-storey building above 300-ft.

- n. For determination of building completion date for issuance of completion certificate of residential buildings the utility bills of electricity & sui gas installation may be considered by the Authority.
- o. For determination building completion date for issuance of completion certificate of commercial and industrial buildings less than 5-marla the utility bills of electricity & sui gas installation may be considered by the Authority. For plots of more than 5-marla the property tax certificate issued by the Excise and Taxation shall be considered by the Authority.
- p. Underground water tank and over head water tank shall be provided in all types of buildings.
- q. In commercial building insulation of outer walls, roofs and windows shall be provided for energy efficiency.
- r. In multi storey buildings, the outer window glass shall be double glazed/heat resistant and tinted in order to control air leakage.
- s. Walls facing sun shall be insulated in residential and commercial buildings.
- t. The roofs and sun facing buildings sides shall be insulated.
- u. Heat/Light repellent paints shall be used on outer walls of buildings.
- v. The lighting system of buildings shall comply with the provisions of Building Code of Pakistan (energy provision-2011) and LED lights shall be installed in commercial buildings in place of conventional incandescent bulbs.
- w. For false ceiling and wooden paneling fire ratted building material shall be used with proper fire safety measures.

3.7 Predominantly Open Areas

The building regulations for commercial buildings in predominantly open areas (specified in the Master Plan,) shall be as provided in clause 3.1 same as specified for the converted plots.

3.8 Regulations for Bus Stands and Filling Stations

3.8.1 Bus / Mini Bus / Stands

- a. The minimum plot area shall be as per requirements of Government.
- b. Maximum building height of any structure at the Bus Stand shall not exceed 30ft (9.15m) or 2 floors.
- c. Covered area excluding parking sheds shall not exceed 20% of the plot area.
- d. Minimum building line shall be 20ft (6.1m) and a minimum of 10ft (3.05m) space shall be left on remaining three sides.
- e. Access shall be limited to only one exist and one entry.

Note: All requirements of Motor Vehicle laws shall be complied with.

3.8.2 CNG / Petrol Filling Stations

Building Plan of CNG / Petrol Filling Station will be approved considering the following requirements:

- a) A minimum of 20 ft (6.1m) building line shall be provided.
- b) All structures shall be single storey.
- c) A clear space of 5ft (1.52m) shall be provided on both sides and at the rear.
- d) Turning angle for Entry / Exit points from the adjoining road shall be less than 45 degree.
- e) Access shall be limited to only one exit and one entry.
- f) The minimum requirements will be as follows:

Pump	Min. Area	Min. ROW	Min. Front
Petrol	1-1/2 K	80'	70'
CNG	1 K	80'	60'

Note: (1) All requirements of Ministry of Industries, Ministry of Petroleum, Civil Defence Department, Explosives Department, EPA and any other concerned agencies shall be complied with by the builder.

(2) Permission under land use rules will be compulsory from LDA. However, the building plan of CNG/petrol filling stations will be approved by explosive department as per High Court Decision ICA No. 79 of 2009 dated 04-06-2009

3.8.3 Theatres, Concert Halls, Marriage Halls, Clubs, Exhibition Halls and Banquet Halls subject to fulfilment of requirements of LDA Land use Rules

Notwithstanding the provisions under chapter 2 and 3 above, the above uses shall be permitted at a minimum plot size of 4 kanals with a building line of 40ft and each of the rear and side spaces of 15ft.

3.8.4: INSTALLATION OF MARQUEE ON PERMANENT COMMERCIALIZED LAND SUBJECT TO FULFILLMENT OF REQUIREMENTS OF LDA LANDUSE RULES.

Minimum Area of the Land	:	08-Kanals
Parking Area:	:	04-Kanals minimum
Front House Line	:	30 feet
Side Spaces	:	13 feet (on both sides)
Rear Space	:	13 feet

3.8.5: REQUIREMENT FOR MARQUEE SITE (ALREADY APPROVED VIDE DECISION OF AUTHORITY IN ITS MEETING HELD ON 31-05-2018 IN LIGHT OF ORDER OF SUPREME COURT OF PAKISTAN)

i. Marquee of steel structure with fire rated material sheet based upon single storey structure abutting on road having minimum right of way of 60 feet may be installed on land temporarily commercialized, except in prohibited area, subject to following;

a. Minimum Area of the Land	:	08-Kanals
b. Parking Area:	:	I car space for every 500 sft of covered area
c. Front House Line	:	30 feet
d. Side Spaces	:	13 feet (on both sides)
e. Rear Space	:	13 feet

Note: The regulations to install marquee prevailing at the time of grant of temporary commercialization for marquees will be applicable.

ii. Establishment of banquet hall in Civic Centre. /Commercial Centre

- Plot size minimum 1 Kanal
- Parking Requirement: One car space for every 500 sft of covered area in the building or nearby not beyond 100 meter approx.,

iii. Restriction and Regularization of existing marriage hall/ banquet hall/ marquee

No property located on road (List-A) shall be used for marriage hall/ banquette Hall/ Marquee unless the following conditions are fulfilled:

- a) The main size of plot /category is 2 –Kanal
 - b) Parking requirement for One car space for every 500 sft of covered area
 - c) The owner /occupant shall adherer to other provisions of building and Building and Zoning Regulations in force and subject to the payment of fee.
- iv. Existing marriage hall/ banquette hall/ marquee falling on frozen road (List-B), or areas not permitted for shall be removed /dismantled by the owner /occupant with immediate effect**
- a. In case of noncompliance the Authority will remove /dismantle the structure at the risk and cost of the owner /occupant
 - b. In case the owner /occupant intends to continue the existing marriage hall/banquette hall/ marquee, he may do so subject to fulfillment of the following conditions not later than 30 days:
 - i. Parking Requirement: One car space for every 500 sft of covered area
 - ii. The owner occupant shall adhere to the other provisions of building and Building and Zoning Regulations in force and subject to the payment of fee.
 - iii. In case the conditions defined are fullfilled, the owner .occupants can continue the existing marriage hall/ banquette hall/ marquee upto 5 years and not beyond that

3.9 Regulations for Sites Reserved for Public Buildings in Approved Housing Schemes

3.9.1 Mandatory Open Spaces, FAR and maximum Ground Coverage

The provisions shall be as follows:

Plot Size	Building Line	Rear Space	Side Space on both sides	Max Ground Coverage	Pick and Drop Lane
Less than 1 Kanal	10ft (3.05m)	5ft (1.52m)	5ft (1.52m)	65%	Optional
Above 1 kanal but less than 2 kanal	15ft (4.57m)	10ft (3.05m)	10ft (3.05m)	60%	Two Lanes (each 10 feet wide)
2 Kanal and above	25ft (7.62m)	15ft (4.57m)	15ft (4.57m)	55%	Two Lanes (each 10 feet wide)

Note:

a. notwithstanding the provision under section 3.9.1 no mandatory open spaces shall be required in case of Mosques/Masjid except front building line/setback according to plot category/zone.

b. In case of educational institutions, separate lane (s) for pick and drop purposes shall be provided within the plot outside the boundary wall by providing in addition to the Building line mentioned table 3.9.1 above.

3.9.2 Building Height & Parking

Zones	F.A.R	Storey	Height (Including parapet wall)	Plot Size	ROW of Road (For converted Building Site)	Parking Requirement
Low Rise	N.A	G+3	Upto 48 feet	Upto 10 Marla and less than 1 Kanal	Min 30 feet	As mentioned at 3.1.1
Medium Rise-1	N.A	G+6	Upto 90 feet	Min 1 Kanal and less than 2 Kanal	Min 30 feet	-do-
Medium Rise-2	1:5.5	G+9	Upto 120 feet	Min 2 Kanal and less than 4 Kanal	Min 40 feet	-do-
High Rise-1	1:8	G+14+Service Floor	Upto 200 feet	Min 4 Kanal and less than 8 Kanal	Min 60 feet	-do-
High Rise -2	1:12	G+23+Service Floor	Upto 300 feet	Min 8 Kanal and less than 12 Kanal	Min 80 feet	-do-
Skyscraper	Above 300 feet increase in F.A.R @ 4% Proportionate to height (e.g if height is 400 ft then F.A.R will be $400 \times 0.04 = 16$)	(No Restriction), NOC from CAA	Above 300 feet	Min 12 Kanal and above	Min 80 feet	-do-

Note:

In case of designated public building sites, the condition of width of road, mentioned at clause 3.9.2 shall not be applicable.

3.9.3 Construction of minarets of religious Building

Mosque minarets will be allowed irrespective of the height limit of the zone/area subject to structure stability and certificate from the resident engineer that he will supervise the construction.

3.10 Areas Subjected to Special Control

Notwithstanding the requirements of these Building Regulations, the buildings in the following areas shall conform to the additional special control specified for each here under:-

1. Government House Precincts
2. Precincts of Aiwan-e-Iqbal Complex, Kashmir Egerton Road Scheme.
3. Shahrah-e-Quid-e-Azam.

3.10.1 Government House Precincts

The sanction of building plans regarding Area Subjected to Special Control, all multi-storey buildings within a distance of 1200 feet (365 m) measured from the outer wall of Governor's House shall be subject to the following conditions/restrictions:-

- (a) The roof top of buildings may be kept un-accessible. The condition can, however, be relaxed with permission from the Governor's House as well as Scrutiny Agencies as and when the roof top is required to be used in connection with maintenance of the buildings.
- (b) The design must ensure that windows, ventilators, doors etc, may not directly over look the Governor's House.
- (c) The side of the buildings facing the Governor's House would not be used for installation and display of neon signs and advertisement boards etc. towards the side road. In case of any opening towards Governor's House the design would ensure that the windows are recessed in such a manner that vision to the Governor's House is completely blocked.

- (d) A copy of approved plan for the construction of new multi-storey buildings shall be sent by LDA/Sanctioning Authority to Governor's House, Special Branch, Intelligence Bureau, District Nazim, Lahore and concerned Town Nazims, Lahore for reference and record.
- (e) A Committee consisting of Town Planner, LDA, Town Nazim, Data Gunj Bukhsh Town, Representative of Special Branch and Intelligence Bureau in constituted. The Committee shall supervise and ensure the construction of new multi-storey buildings according to the Building Regulations and checking of violations of Building Regulations in time.
- (f) A review meeting regarding the construction of new multi-storey buildings around the Governor's House shall be held after every three months in the Governor's House to ensure compliance/implementation of Building Regulations in letter and spirit. Any violation of the Rules will be brought to the notice of Governor's House and Security Agencies immediately by the LDA and concerned Town Nazim.
- (g) Height of Buildings will be observed as per the Building Regulations framed by LDA.

3.10.2 Precincts of Aiwan-e-Iqbal Complex, Kashmir Egerton Road Scheme

- i) In case of Plot Nos.1,2,17, 17A, 18, 19 and 20 located on either side of Aiwan-e-Iqbal Road, a minimum of 50-feet (15.24m) Building Line shall be provided. The maximum height of the buildings shall be 65 feet (19.81m).
- ii) The Mosque (Plot No.20-A) & Imam Bara (Plot No.20-B) shall not be disturbed.
- iii) Buildings on plot Nos.7, 7C, 8, 8A, 12, 14, 21, 22 and 23 along the Kashmir Egerton Link Road would have a Building Line of 20-feet (6 m) and maximum height of 65-feet (19.81).
- iv) For plots along the southern side of Egerton Road, (No.14, 14A and 16), the Building Line would be 25 feet (7.62 m) with height restriction of 30-feet (9.14 m) in the first 30 feet (9.14 m) depth and of 65 feet (19.81 m) beyond that.
- v) In case of plot Nos. 25 to 30 on the Egerton Road the Building Line would be 25 feet (7.62 m) and a maximum height of 65 feet (19.81 m).
- vi) In respect of Plot No.24 (Falettis Hotel), Building Line along the Cooper road as well as Egerton Road shall be 50 feet (15.24 m). In addition to this, there would also be a setback of 21 feet (6.40 m) along the Egerton Road and a setback varying from 10 feet (3m) to 25 feet (7.62m) along the Cooper Road from widening of the roads. (on Cooper Road towards its junction with Egerton Road, this set back would be 10 feet (3m) which would gradually increase so as to be 25 feet (7.62 m) towards the end of Plot No.24 along Cooper Road).
- vii) The buildings on plot Nos.4, 5, 5A, 6, 7, 7A, 7B, 7C, 8, 8A, 8B, 8C, 9, 10, 10A and 11 along Kashmir Road shall be subjected to such further restrictions as may be made applicable to them by the Government on account of their proximity to the Government House.
- viii) The height restrictions of 65 feet (19.81 m) shall also apply to the WAPDA buildings/flats proposed to be constructed in Sunny view as and when they fall within the Controlled Area.
- ix) The building plans in respect of the plots around Aiwan-e-Iqbal Complex, on Kashmir Road, on both sides of Egerton Road as well as Aiwan-e-Iqbal road and in the Sunny

view shall be submitted for approval to the Special Committee constituted by the Government of Punjab, Local Government & Rural Development Department vide Notification No.S-III-19-19/80 dated 09.05.1981.

3.10.3. Shahrah-e-Quid-e-Azam

Commercialization can be allowed by the approval of Competent Authority subject to provision of uses defined in the List A notified under LDA Land use Rules 2009.

Properties abutting on either side of Shahrah-e-Quaid-e-Azam between Mian Mir Bridge and Faisal Chowk (Chairing Cross) Shall:

- i) Not be physically sub-divided.
- ii) Have minimum building line of 50 feet (15.24 m):
- iii) The maximum height will be allowed as mentioned in the List A notified under LDA Land Use Rules 2009 but to a maximum of 300 feet subject to plot size and conditions mentioned in table 3.1.1 for area between Mian Mir Bridge to Canal Bank Road. From canal bank road up to faisal chowk, a maximum height of 38 ft or extra height to be allowed as per prevalent policy but shall not be beyond 70 feet subject to payment of all charges”
- iv) Comply (for side and rear spaces) with all other Regulations applicable to residential plots of the size of 2-kanals (840 Sq.m) and above.

Note: The remaining part of Mall Road is “Special Heritage Area” and comes under the control of Special Committee. The part from Mian Mir Bridge and Faisal Chowk (Chairing Cross) shall also be required to be placed both before HLDC and Special Committee and the landuse conversion will be allowed as already mentioned at clause 3.10.3 of prevailing regulations from Mian Mir Bridge and Faisal Chowk (Charing Cross).

3.11. Parking Space Standards

a) For CARs

CATEGORY	CAR SPACE
Apartment Building ,	One car space for 1600 sq ft carpet area
Government or Semi Govt. Offices, Pvt. Offices, Court or Tribunals, Commercial Including Large Stores & Retail Shops.	One car space for 1600 sq ft of floor area
Hotels/Motels	<ol style="list-style-type: none"> a. One car space for every 6 rooms, provided that in case of family suites, each room will be counted separately as one room for calculation of parking spaces b. One car space for every 800 sq ft (75 sq m) of shopping area. c. One car space for every 1000 sq ft (92.95 sq m) of office area. d. One car space for every 500 sq ft (46.47 sq m) of floor area. Under restaurant, café and banquet hall.
Hospitals	<p>One car space for 1400 sq ft of floor area</p> <p>Note: If owner is unable to provide a parking within the building, he may provide the parking within a radius of 200m from the boundary of the plot</p>

	provided the owner(s) gets the conversion of land to a permissible use of hospital (under the land use Rules). If parking is designated outside the vicinity of hospital, the provision of properly marked pedestrian walkway for easy access of general public shall be mandatory, else NOC/Clearance shall not be granted by TEPA.
Exhibition Halls.	One car space for 1000 sq ft of floor area
Restaurants ,Clubs & Cafes	One car space for 500 sq ft of floor area
Marriage Halls, Banquet Halls & Community Centres	One car space for 500 sq ft of floor area
Cinema, Theatres & Concert Hall	3 car spaces for 1000 sq ft of floor area
Cultural Institutions (Parks & Monuments) Post Offices & Police Stations	One car space for 2000 sq ft of floor area
Schools, Colleges And Educational Institutions	(a) One car space for 2000 sq ft of floor area. (b) One car space for 40% of car parking shall be reserved for motorcycle or buses
Taxi Stands And Bus Terminals	1 Car per 5-Busses and 1-Car per 10-Taxies
Bus Terminals/Truck Stands On Highways	1 Car per 5-Busses and 1 car per 10-Taxies
Hostels	1 Car per 5-Rooms and 1-Motor Cycle for Each Room

b) For Motorcycle

In addition to car parking space, an area equal to 16% of the total car parking area shall be provided for motor cycle.

c) General

In case, a commercial building is proposed to be used for multi-purposes like hotel, banquet hall or apartments etc. the parking requirements for these uses shall be calculated separately on the basis of proposed uses as per these Regulations.

The requirements of parking space shall not be applicable in such commercial areas including District and Divisional Centers, Neighborhood Commercial Areas, Central Business District, Main Civic Centre and Commercial Centers, in the Approved schemes where provisions for parking space have been shown *in the approved layout plan* or made by the development authority.

The parking in the setback areas and mandatory spaces will not be allowed and will be used for pedestrian walkways or green spaces. However, in case of addition, alteration or revise plan if the parking already approved in the plan will remain intact.

3.12. Government Notification No. SO(P)5-2/74 dated 02-07-1975

The Government vide letter No. SO(P)5-2/74, dated 2.7.75, approved the following areas for categorization as “General Commercial” as defined below :-

a) GENERAL COMMERCIAL

It will include all type of retail and whole sale commercial activities including offices, restaurants, showrooms etc.

b) SPECIAL COMMERCIAL

It will include offices, restaurants, motels and show rooms.

a) GENERAL COMMERCIAL AREAS

1. Multan Road: (Chauburji Chowk to Yateem Khana with the exception of Government Housing Schemes such as Poonch House Quarters, Chauburji Quarters and Postal Colony). Beyond Yateem Khana the provision of Master Plan for Greater Lahore shall be adhered to.
2. Lytton Road: (The entire length of Lytton road).
3. Ferozepur Road: (From Chowk Qartaba to Canal Bridge).
4. Allama Iqbal Road: (From Chowk Rex Cinema To Garhi Shahu).
5. Shahrah-e-Quaid-e-Azam: From town hall to Faisal chowk (Charing Cross)
6. Temple Road: (From its junction with Shahrah-e-Quaid-e-Azam upto Chowk Qartaba).
7. Ravi Road: (From Budha Ravi Bridge Upto Timber Market).
8. G.T. Road Baghbanpura: (Between Shalimar Link Road and Wheatman Road).
9. Shiekhupura Road: (From Octrio Post to the roundabout near Ravi Bridge).
10. Shalimar Link Road: (Eastern Side of the Road).

b) SPECIAL COMMERCIAL AREAS

1. Davis Road.
2. Empress Road
3. Egerton Road
4. Allama Iqbal Road: From Railway Station to Rex Cinema Chowk.

B. in the areas given in Regulation 96(A), in addition to requirements of building regulations parking shall be provided as laid down in regulation 66.

Note:

No conversion fee will be applicable on these roads.

CHAPTER-4
SITE REQUIREMENTS INDUSTRIAL

4.1 Industrial Estates and Industrial Areas in Approved Schemes and Areas Declared as Industrial Zone in the Master Plan

4.1.1 Mandatory Open Spaces , Maximum Coverage Area & FAR

Plot Size / Zone	Front Space	Rear Space	Side space on both sides	Max. FAR	Max. Ground Coverage
Up to 1 kanal 10ft	10ft (3.05 m)	5 ft (1.52m)	5 ft (1.52m)	1:2	55%
Above 1 kanal but less than 4 kanals	20 ft (6.1m)	13ft (3.96m)	13 ft (3.96m)	1:2	55%
4 kanals & above but less than 1 acre	30 ft (9.15m)	13 ft (3.96m)	13 ft (3.96m)	1:2	55%
1 acre & above but less than 5 acre	50 ft (15.24m)	20 ft (6.1m)	20 ft (6.1m)	1:2	55%
5 acre and above	70 ft (21.34m)	20 ft (6.1m)	20 ft (6.1m)	1:2	55%

4.1.2 Building Height

The height of any building measured from the crown of the road to the top of parapet wall (except chimney stacks, lift heads and water tower) shall not exceed Mid Rise-1 (90ft).

4.2 Industrial Zones in Established Built-Up Areas

4.2.1 Mandatory Open Spaces, Maximum Coverage Area & FAR

Plot Size / Zone	Front Space	Rear Space	Side Space On both sides	Max FAR	Max Ground Coverage
Less than 10 marlas	5 ft (1.52m)	5 ft (1.52m)	5 ft (1.52m)	1:2	65%
10 marlas & above but up to 1 kanal	10ft (3.05 m)	5 ft (1.52m)	5 ft (1.52m)	1:2	60%
Above 1 kanal but upto 2 Kanals	15ft (4.57 m)	7ft (2.13 m)	7ft (2.13 m)	1:2	55%
Above 2 kanals but less than 4 kanals	20 ft (6.1m)	13ft (3.96m)	13 ft (3.96m)	1:2	55%
4 kanals & above but less than 1 acre	30 ft (9.15m)	13 ft (3.96m)	13 ft9 (3.96m)	1:2	55%
1 acre & above but less than 5 acre	50 ft (15.24m)	20 ft (6.1m)	20 ft (6.1m)	1:2	55%
5 acre and above	70 ft (21.34m)	20 ft (6.1m)	20 ft (6.1m)	1:2	55%

4.2.2 Building Height

The height of any building measured from the top of the crown of the road to the top of parapet wall (except chimney stacks, lift heads and water tower) shall not exceed 48ft.

4.3 Industrial Zones in Predominantly Open Areas

4.3.1 Mandatory Open Spaces, Maximum Coverage Area & FAR

As provided under section 4.1.1

4.3.2 Building Height

As provided under section 4.1.2

4.4 Parking

Optional as per requirements.

4.5 General Conditions

- a. The minimum effective height of each storey shall be 9 ft-6 inches (2.9 m).
- b. Waste treatment plants and disposal works shall be provided in accordance with the design/construction requirements of industries department and Environmental protection Agency. Waste treatment plant and disposal station shall not be constructed in the mandatory open spaces.
- c. All requirements of Ministry of Industries, Ministry of Petroleum, Civil Defense Department, Explosives Department, EPA and any other concerned agencies, if applicable to industrial setup shall be complied with by the builder.
- d. Where ever residences /rest houses are provided the same shall be governed by the regulations provided in chapter 2 and these shall not be constructed in the mandatory open spaces. However, the ground coverage and FAR of the industrial plot shall be strictly complied with.
- e. No structure in any shape other than a guard room not exceeding 40 sq ft (12.19m) shall be permitted in mandatory open spaces

5.1 External Building Requirements

5.1.1 Right of Way

The minimum right of way for Arterial, Major and Secondary roads shall be as prescribed in the Master Plan / Approved Schemes of a city.

- a. For roads where minimum right of way is not prescribed in the Master Plan / Approved Schemes, the right of way and widening of roads shall be:-
 - i. As provided in the revenue record or in absence of such record as established at site in existing built up areas.
 - ii. Including set back as prescribed by the respective Authority
 - iii. As fixed by the Competent Authority.
 - iv. Not less than 30 ft (9.15 m) in all other cases.
- b. No gate, boundary wall, fence or hedge shall be erected or grown within the right of way.
- c. No ramp will be provided within the right of way.
- d. The earth filling on the road shall have outward gradient of 4% from the edge of road berm up to a distance of 5 ft (1.52 m) from the property line from where it will go up to the property line at the same level.
- e. All corner plots shall be splayed on both sides from the corner. Plots of 10 marlas or less shall be splayed by 5 ft (1.52 m) and more than 10 marlas plots shall be splayed by 10ft.

5.1.2 Buildings of Public Assembly

In case of buildings of public assembly special space provisions under the relevant laws, if any, shall be applicable in addition to the provisions of these regulations.

5.1.3 Amalgamation of Plots

In any zone two or more plots of the same uses may be combined for the purposes of constructing one or more buildings considering that the plots are owned by the same or multiple owners. If at any later stage the sub-division is again done then the building period charges will have to be paid for the sub-divided plots from its original date of expiry of building period of approved plans. Whereas for commercial/converted plots building regulations will be applicable as per policy of Commercialization/ Building Regulation in vogue. After amalgamation of plots, the regulations for resultant plot will be applicable as per category of resultant plot in residential and commercial etc.

5.1.4 Subdivision of Plots in Approved Housing Schemes

- a. Subdivision shall not be allowed for a plot of less than two kanal.
- b. Subdivision of 2 kanals (836.55 sqm) and above plot is permissible subject to the fulfillment of space requirements of original plot and prior approval of the subdivision plan from the Competent Authority.
- c. The resultant subdivided plot shall not be less than 1kanal (418.28 sqm) with frontage not less than 35 feet.

- d. If any existing structure falls in mandatory spaces after sub-division of plot, it will have to be demolished within six (06) months from the date of approval of subdivision.

5.1.5 Subdivision of Land in other Areas

The open land can be subdivided into any category of plots subject to the provisions of Master plan, subdivision rules and private site development schemes rules:

1. Roads 30ft wide (min)
2. Open spaces 7%
3. Public Building 2%
(Mosque, Dispensary, Nursery, School)
4. Neighborhood shops (only) with 1% (max)
Maximum plot size of 5-Marlas
And up to 28ft height.

Note: *The subdivision of land measuring up to 60 kanals shall not require the above stated land use %ages. However, the owner/developer shall be responsible for the provision of infrastructure development and shall provide an undertaking to this effect.*

5.1.6 Neon Sign

Whenever a person intends to display neon signs, advertisements hoardings etc on his / her building, it shall be subject to the no objection certificate of the Development Authority.

5.1.7 Building Elevation

Where the elevation of a building is required to be controlled, the outline design of façade approved by the Competent Authority shall be adopted.

5.1.8 Projections from the Face of Building

No bay-window, porch and extension of roof shall be constructed beyond the face of the building except:

- a. A window-sill with a projection of not more than 2.1/2 in (0.06 m).
- b. Sun shade not more than 3 ft (0.91 m), if mandatory open space of 10 ft (3.05 m) or more is provided with in its compound.
- c. Sun shade of not more than 1ft-6 in (0.46 m), if mandatory open space is less than 10 ft or no mandatory space is provided with in its compound.

Note: *Notwithstanding the above provisions, sunshade shall have a clear height of 7 ft above the plinth of the structure.*

5.1.9 Pergola

A pergola shall not be permitted within the minimum mandatory open spaces required under these Building Regulations.

5.1.10 Boundary Wall

The plan for construction of gate and Boundary wall in the approved public/private housing schemes, land sub-division and private housing in the Area as defined in LDA Act, shall be got approved from the authority on payment of prescribed fee, provided no Boundary wall where permitted should exceed 7ft (2.13m) in height measure from the plinth level & no structural plan road or any access to adjoining abadies is blocked.

5.2 Internal Building Requirements

5.2.1 Basement

Where a basement is to be constructed, it shall be subject to the fulfillment of the following conditions that:-

- a. a basement shall be served with an independent entrance and in addition it shall have an emergency exit except for houses;
- b. the level of the main sewer permits gravity flow at a gradient of not less than 1:40 or if this may not be possible, pumping arrangement shall be installed;
- c. the sewer passing under the basement is gas tight;
- d. the minimum height of any basement room shall be 8 feet (2.44m).
- e. In case of residential/commercial, the minimum area of the basement shall be 100 Sqft and shall be constructed after leaving the mandatory open spaces required under these Regulations.
- f. basement in other buildings shall be as prescribed in chapter 3&5
- g. the foundations of the basement shall not intrude into the adjoining properties.

5.2.2 Specifications

a. Residential Room

- i. The minimum area of a room meant for human habitation shall be 100 sq ft (9.29sq m) having a minimum width of 8 ft. (2.44m).
- ii. The minimum floor area of a kitchen shall be 50 sq ft (4.65 sq m) having a minimum width of 6 ft (1.83 m).
- iii. The minimum height of any habitable room from finished floor level to the ceiling shall not be less than 9 ft 6in (2.89m).
- iv. Inter floor shall only be permitted in rooms other than those meant for habitation purposes, such as bath rooms, stores, kitchens, pantries, passage and garages etc., if combined with the main building.
- v. A minimum clear height of all the rooms referred in iv above shall be 7 ft 6 in (2.29m) and the inter floor shall have a minimum clear height of 5 ft 6 in (1.70 m).

b. Shops

- i. The minimum floor area of a shop shall be 100 sq ft (9.29 sq m) having a minimum floor width of 8 ft (2.44m).
- ii. Minimum height of any shop shall not be less than 9 ft-6 inches (2.9 m) without any gallery (storage space) or 15 ft 6 inches (4.73m) with gallery (storage space).
- iii. The minimum height of inter-floor or room shall conform with the prescribed height applicable to the buildings in which they are being provided, with the exception of shops where the height may be reduced to 7 ft (2.13 m) provided that:
 - The total area of any inter-floor or loft in any shop shall not exceed space 1/3rd of the total area of the shop.
 - Every inter-floor or loft shall be open except a protection wall or railing not exceeding 3 feet (0.91 m) in height.

- Minimum height of parapet wall shall be 2 ft-9 inches (0.84 m).

c. Arcades

- i. The minimum width of arcade in Main Civic & Commercial Centres and Divisional/District Centers shall be 10ft. In case of neighborhood shops/ mohallah shops the minimum width of arcade shall not be less than 5.ft (1.52m) upto plot area of 7-marla. For plots of above 7-marla width of arcade shall be 10-ft. This will also be applicable in all approved private housing schemes and other commercial areas.

For one individual shop on an independent plot upto 1-Marla, only single storey structure with full coverage is allowed with no arcade.

- ii. The level between the arcade and shopping floor shall not exceed 1 ft-6 inches(0.46 m) whereas the level of arcade from the centre of the road crest shall not exceed 6 inches (0.15 m).
- iii. Arcade (where specified) to be used as foot-path for pedestrians shall be constructed in front of shops throughout and no building obstruction of any kind shall be allowed within the arcade.

5.2.3 Ramp & Toilet for Disabled Persons

In all buildings other than residential buildings, a ramp of minimum 4 feet width and having maximum gradient of 1:6 should be provided for disable persons. In case of non-provisions of lifts in Multi-Storey Buildings each floor should be accessible through this ramp. A toilet for disabled must also be provided. Whereas no ramp is required on buildings on plot size less than 7 Marla

5.2.4 Incentives for Additional Facilities

If large open/green areas are provided over and above the requirements in multi-storey buildings for recreational and landscaping purposes, the building plan fee shall be reduced by 10%.

5.3 Internal Lighting and Ventilation Specifications

5.3.1 Size of External Openings

Every room other than rooms used predominantly for the storage of goods shall, except where mechanical arrangement is provided, shall have a combined glazed area of not less than 8% of the floor space of such room, and 50% of such openings shall be capable of allowing free un-interrupted passage of air.

5.3.2 Toilet, Water Closet and Bathrooms

Every toilet, water closet, urinal stall and bath room shall be provided with day lighting and ventilation by means of one or more openings in external walls having a combined area of not less than 2 sq ft (0.19 sq m) per water closet, urinal stall or bath room and such openings shall be capable of allowing free un-interrupted passage of air.

5.3.3 Internal Air Wells.

- a. Kitchens, toilet, water closets and bath rooms may have sources of daylight and ventilation like room internal air wells. In such cases, air wells shall conform to the following minimum sizes:-
 - i. area of air well for building

up to 2 storey in Building Height :	50 sq ft (4.65 sq m)
minimum width of air well	6 ft (1.83 m).
 - ii. area of air well for building

from 3 to 7 storey:	100 sq ft (9.29 sq m)
---------------------	-----------------------

- | | |
|---|------------------------|
| minimum width of air well: | 8ft (2.44 m) |
| iii. area of air well for building
with 8 storey & higher: | 200 sq ft (18.59 sq m) |
| minimum width of air well: | 10 ft (3.05 m) |
- a. The floor of each air well shall have impervious paving and shall be adequately drained.
 - b. Reasonable access shall be provided at the bottom of each air well.
 - c. No internal air well or portion thereof shall be roofed over, except with fiber glass or other similar material.

NOTE: Where permanent mechanical air-conditioning is intended to be provided; the Regulations dealing with the internal lighting of rooms will not be applicable

5.4 Fire Resistance and Fire Precautions

5.4.1 General

A building or any structural part of a building, other than a single storey building shall have an adequate standard of fire resistance and shall be built of the following components:

- a. The external walls, all partition walls and the enclosing walls of stair-cases a minimum of 9 inches (0.23 m) solid brick work or 3.1/2 inches (0.09 m) reinforced concrete or 4 inches (0.1 m) solid concrete block;
- b. The floors and the roof: a minimum of 3.1/2 inches (0.09 m) of reinforced concrete.

5.4.2 Special Buildings

- a. Every garage shall be constructed in fire resisting materials.
- b. Special provisions shall apply to places of assembly, stages in theatres and cinema projection rooms.

5.4.3 Fire Precautions in Air-conditioning System

- a. Except in residential buildings, all air conditioning or ventilation ducts including framing, shall be constructed entirely of non-inflammable materials and shall be adequately supported throughout their length.
- b. Where ducts pass through floors or walls, the space around the duct shall be sealed with rope asbestos, mineral wool, or other non-inflammable material to prevent the passage of flames and smoke.
- c. The air intake of any air-conditioning apparatus shall be so situated that air does not re-circulate from any space in which objectionable quantities of inflammable vapors or dust are given off and shall be so situated as to minimize the drawing of inflammable material or other fire hazards.
- d. Where the duct systems serve two or more floors of a building or pass through walls, approved fire dampers with fusible links and access doors shall be located at the duct opening and such dampers shall be so arranged that the disruption of the duct will not cause failure to protect the opening.

5.4.4 Extinguishment of Fires

Every new building except residential buildings up to 3 storey in height shall be provided with sufficient means for extinguishing fire as follows:-

- a.

- i. All buildings shall have one multipurpose (A, B, C) dry chemical powder 6 Kg fire extinguisher for each 2000 sq. ft. of floor area. At least two fire extinguishers of 6Kg each shall be placed on each floor (if floor size is less than 2000 sq. ft.).
 - ii. The maximum travel distance to a fire extinguisher shall not exceed 75 ft. but for kitchen areas this distance is 30 ft.
- b. Fire fighting buckets
 - c. An independent water supply system in pipes of steel or cast iron with adequate hydrants, pumps and hose reels.
 - d. All multi-storey buildings having four to ten floors shall have a pressurized internal fire hydrant system with an independent over-head water tank of minimum 7500 gallons and external under-ground water tank of 15000 gallons. In case where the building is over 10 storey high, it shall have an independent over-head tank of 15000 gallons and external under-ground water tank of minimum 30000 gallons. The external underground water tank shall be accessible to the fire-fighting vehicles at all times.
 - e.
 - i. The pressurized internal fire hydrant system shall be independent and separate from the normal water supply system and shall be maintained at 3-5 bar pressure at all floors through an electric pump of suitable capacity for fire fighting, which remains operational even if the power supply of main building is shut off.
 - ii. The hydrant system shall have two compatible standard inlets at ground level for connecting with the emergency fire vehicles.
 - iii. The pressurized internal fire hydrant system shall have a water hydrant outlet (with shut off valve and pressure gauge) connected to a 1.5 inch x 100 ft fire hose stored in a metallic hose cabinet at or near an emergency staircase.
 - iv. All fire fighting pumps shall be placed in such a manner that their base is at least two ft below the bottom of the water tank.
 - f.
 - i. For external fire hydrants all buildings shall have engine operated standby external fire-fighting pump connected to an adequate water source and supplying water to an external pipeline serving to external fire hydrants.
 - ii. The external fire hydrant shall be located at least six ft away and not more than 50 ft from the building. The distance between any two hydrants shall not exceed more than 100 ft.
 - g. Separate fire exit stairs.
 - h. Fire Alarm System
 - i. First Aid Box.
 - j. Smoke masks
 - k. Breathing apparatus
 - l. A plan showing the fire fighting provisions in the building shall be displayed at the site.

5.4.5 Fire Drills

Necessary directions shall be issued to the occupants/owner of the multi-storey buildings and buildings of public assembly to hold/arrange fire fighting drills at frequent intervals but at least once a year in consultation with the fire fighting department of the City District Government

NOTE: All fire fighting arrangements shall comply with the requirements under Rule 9 of Civil Defense (Special Powers) Rules 1951.

5.4.6 The recommendations of fire safety commission regarding following components shall be fulfilled:-

- i. Fire Door
- ii. Hydrant System
- iii. Installation of Fire Extinguishers
- iv. Fire Alarm System
- v. Clear access and removal of obstructions.
- vi. Evacuation plan and emergency lighting system.
- vii. Emergency response team.
- viii. Water Pump
- ix. Smoke Detectors

5.5 Emergency Exit Specifications

5.5.1 Means of escape in case of emergency

- a. All means of escape from a building including extra corridors, stairs etc. shall permit unobstructed access to a street or to an open space or to an adjoining building or roof from where access to the street may be obtained.
- b. All buildings shall have windows on the street elevation within convenient reach and of adequate size to enable persons to escape in case of emergency.
- c. Every block of Apartment Buildings having more than 6 Apartments at each floor shall be served with an additional stair-case.
- d. In a block of Apartment Buildings emergency stair-cases shall be provided in addition to the main stair-case/stair-cases.
- e. An emergency stair-case shall be sited at such a position that it should be accessible to all the Apartments without any hindrance or obstruction and it should be open to a permanently ventilated space.
- f. Every multi-storey building should be provided with emergency stair case/staircases as the case may be in addition to the main staircase/staircases in the following manner
 - i. For buildings on plots less than 4 kanal : 1 emergency staircase
 - ii. For buildings on plots 4 kanal & above: 2 emergency staircases
Located at two ends of floor
or the fire safety consultant
can also decide the location of
staircases in order to meet the
requirements of prevailing fire
safety codes.
- g. The staircase shall be separated from the main building by two fire doors, opening outwards. The fire door shall be hinge type with clear width of at least 3 ft and minimum one hour fire resistant rating.
- h. The staircase shall have an accessible window or opening towards the road with adequate size (minimum 2.5 ft x 3 ft) to enable evacuation of persons in case of an emergency.
- i. The staircase(s) route shall be adequately illuminated at all times and free from all obstructions.
- j. Each staircase shall be clearly marked by a sign reading "EXIT" in plainly legible letters not less than 6 inches high.

- k. For every multi-storey buildings safety manager with a designated emergency response team to implement fire-safety plan and to ensure prompt evacuation at the hour of need shall be appointed. The designated manager and his engineers team should be trained by Rescue 1122 and Civil Defence.

5.5.2 Fire Protection System

As per provisions of Building code of Pakistan 2016, automatic sprinkler system shall be installed and maintained in full operating condition in the following building:

1. Assembly Occupancy

Assembly occupancies with festival seating where the occupant load exceeds 300 shall be protected throughout by automatic sprinkler system.

2. Education Occupancies

Educational occupancies exceeding covered area 12000 ft² and more than two stories in height, shall be protected throughout by automatic sprinkler system.

3. Health Care Occupancies

Building containing health care occupancies, having more than 50 beds or high rise building shall be protected throughout by automatic sprinkler system.

4. Hostel and Dormitories

All building exceeding 12000 ft² and more than two stories in height shall be protected throughout by automatic sprinkler system.

5. Apartment Building

All building exceeding 12000 ft² and more than four stories in height shall be protected throughout by automatic sprinkler system.

5.6 Utility Services Specifications

5.6.1 Water Supply

- a. An over head tank and underground water tank must be provided in each building.
- b. The provision of ground water tank is mandatory. underground/overhead water tank to be provided in all buildings as per following minimum sizes:

UNDER GROUND WATER TANK

PLOT SIZE UPTO 3 STOREY	LENGTH	WIDTH	HEIGHT	CUBIC FEET	GALLON
5-Marla	3-ft (0.91m)	3-ft. (0.91m)	2-ft (0.61m)	18 cu.ft (0.51 cu.M)	--
Upto 7 Marla	6'-0"	4'-0"	2'-6"	60 Cft	400
7 Marla to 1 Kanal	10'-0"	5'-0"	2'-6"	124 Cft	800
Above 1 Kanal	10'-0"	5'-0"	4'-0"	200 Cft	1200
Multi Storey 4to 10 storey	30'-0"	10'-0"	8'-0"	2400 Cft	15000
Above 10 storey	30'-0"	20'-0"	8'-0"	4800 Cft	30000

- c. The design of internal water supply net work, underground and overhead tanks shall be in accordance with NRM standards /WASA or Public Health Engineering Department requirements.

OVERHEAD WATER TANK

PLOT SIZE UPTO	WIDTH	LENGTH	HEIGHT	CUBIC FEET	GALLON
Upto 7 Marla	3'-0"	4'-0"	2'-6"	30 Cft	200
7 Marla to 1 Kanal	5'-0"	5'-0"	2'-6"	62 Cft	400
Above 1 Kanal	5'-0"	5'-0"	4'-0"	100 Cft	600
Multi Storey 4 to 10 storey	15'-0"	10'-0"	8'-0"	1200 Cft	7500
Above 10 storey	20'-0"	15'-0"	8'-0"	2400 Cft	15000

- d. The capacity of the water tanks for multi-storey buildings shall be as per the Building Code of Pakistan/NRM, in accordance with size, Building Height and use of the building

5.6.2 Drainage

- a. All, drainage and sanitary installations shall be carried out in accordance with the requirements of WASA/Municipal/Public Health Engineering Department for drainage, plumbing and sanitary fitting.
- b. Where there is a public sewer, all sewer laid in the building shall be connected thereto.
- c. Where no public sewer is in existence, all sewage shall be connected to Septic Tank and then to a Soakage Pit. Septic Tanks and Soakage Pits shall:-
- i. be so constructed as to be impervious to liquid either from the outside area or inside;
 - ii. be so sited as not to discharge pollution in to any spring, stream or water-course or any well, the water from which is used for drinking or domestic purposes.
- d. Septic Tanks shall be provided in all the residential and commercial buildings. All the sullage water of the buildings shall be connected to the septic tank and then to the public sewer.
- e. The minimum sizes of septic tanks for residential plots will be as follows:

Plot Sizes	Depth	Length	Width
Less than 1Kanal	4 ft-3inches (1.29m)	8 ft (2.44m)	4 ft (1.22m)
1-Kanal to 2 Kanal	4 ft-3in (1.29m)	9 ft (2.74m)	4 ft-6inches (1.37m)
Above 2-Kanal	4 ft-3inches (1.29m)	10 ft (3.05m)	5 ft (1.52m)

- f. Size of septic tanks for commercial and public buildings shall be as per requirements of WASA/Public Health Department.
- g. The roof of every building and floor of balcony abutting a street or constructed over a street shall be drained by means of down take pipes.

5.6.3 Sanitation

- a. Houses and Apartments
- i. Every dwelling or an independent residential unit shall have at least one water closet and one bathroom.

- ii. For houses and apartments with more than 3 bed rooms, the provision of water closets and bathrooms will be appropriately increased according to Building Code of Pakistan /NRM.
- b. Buildings, other than houses and Apartments: shall be provided with sanitary facilities appropriate to their use and occupancy according to NRM/ Building Code of Pakistan.

5.6.4 Solid Waste Management

- a. Refuse chutes shall be provided in multi-storey building for disposal of solid waste
- b. All buildings other than houses shall provide adequate storage space for storing of solid waste equal to at least 24 hours generation.

5.6.5 Electricity

In all buildings where the load of electricity would require installation of independent transformer/sub-station, appropriate space, location and access for the transformer room/substation shall be provided within the premises as may be determined by WAPDA or other electrical/power companies.

5.6.6 Rain Water Harvesting

- a) All buildings to be constructed in future, in Lahore, should have provision, for roof top, rainwater harvesting commensurate with its plinth area.
- b) Captured rain water may be utilized for all purposes other than drinking purpose.
- c) Rain water harvesting shall be geared towards reuse and storage of rain water and it shall be ensured that underground aquifers are not polluted in the process.

d) Residential Buildings

i) Storage Tank Capacities for Rain Water Harvesting \for Houses

For each and every house having area 05-Marlas or above provision of Rain Water Harvesting system is mandatory. Every house is required to construct a storage tank of capacity, as described below, above the ground level:

Sr. No.	Size of Plot	Capacity of Storage Tanks (Gallons)
1.	05-6.9 Marla	300
2.	7.0-09-Marla	450
3.	10-Marla	500
4.	10.1-15-Marla	600
5.	15.1-marla-less than 1-kanal	800
6.	1-Kanal	1000
7.	1.1-Kanal-2-Kanal	1700
8.	2.1-Kanal-3-Kanal	2500
9.	3.1-Kanal-4-Kanal	3400
10.	4.1-Kanal-5-Kanal	4000
11.	5.1-Kanal-6-Kanal	5000
12.	6.1-Kanal-7-Kanal	6000
13.	7.1-Kanal-8-Kanal	6800

ii. Connections of Roof Drain Pipe with the sewerage System or to the Street.

No downspout or roof drain pipe capturing the rain water of the residential building shall be directly connected with the sewerage system or to the street/right of ways. For the houses under 15-marlas overflow arrangement from the rain harvesting tank will be provided connected to the sewerage system or to the street/right of ways.

For buildings 15-marlas and above no over flow from rain water harvesting tank is allowed to connect sewerage system or to the street/right of ways and will be diverted to landscapes, natural areas and to the ground water recharge bores/wells

iii. **Rain Water Harvesting from Houses (15-marlas & above for Recharge of aquifer.**

For each and every house having area 15-marlas or above provision of recharge well/recharge pit is mandatory. Every house is required to construct a recharge well/recharge pit. A Typical diagram is attached as Annex-I.

d. **Public Buildings**

No downspout or roof drain pipe capturing the rain water from any public buildings, commercial plazas, community centers, factories/industrial units, etc. shall be directly connected with sewerage system or to the street/right of ways. Rooftop rainwater captured will be diverted to landscapes, natural areas and to the ground water recharge bores/wells.

e. **Parks, Gardens etc.**

Provision of rain water harvesting to recharge the aquifer in parks and gardens is mandatory. Park owner agencies and Departments are required to implement all necessary techniques to harvest the rain water for the purposes of recharging the aquifer. This may include but limited to spread basins, recharge pits, recharge trenches, dug wells, recharge shafts, injection wells. A typical diagrams are attached as Annex-II. Recharge trenches may also be provided as an alternative to recharge well.

f. **Maintenance of the Rain Water Harvesting System:**

- i. Operation & Maintenance of all rainwater harvesting system along the roads will be the responsibility of Water & Sanitation Agency.
- ii. Operation & maintenance of all rainwater harvesting system in the parks and gardens will be solely responsibility of management of parks and gardens.
- iii. Operation & maintenance of all rainwater harvesting system in the public buildings, commercial plazas, community centers, factories/industrial units, etc. will be the responsibility of owners/management of that unit. The rain water of 1st 10 minutes will be drained out to the green lawns, by operation of valves to avoid contamination.
- iv. Operation & Maintenance of all rainwater harvesting system in the residential building will be the responsibility of property owner of that building. The rainwater of 1st 10 minutes will be drained out preferably to the green lawns, by operation of valves to avoid contamination.
- v. Operation & Maintenance of all rainwater harvesting system in a housing society, public or private housing scheme a solely responsibility of association of home owners or property owners.

g. **Approval of Building Plan of the Rain Water Harvesting System**

Competency for approval of rainwater harvesting plan lies with Lahore Development Authority (LDA).

h. **Inspection of the Rainwater Harvesting System**

LDA and WASA reserves the right to periodically inspect Rainwater Harvesting System of any public or private building to verify that regular maintenance activities are being performed adequately.

5.7 Parking Spaces Specifications

5.7.1 Calculating the Parking Requirements

- a. For the purpose of calculating parking requirements, the gross floor area shall not include the area of mechanical plant rooms, air conditioning plants, electric substation, space provided for prayer, which shall not increase by 5% of total covered area of the building excluding the area under the use of ducts, service shafts, public toilets for common use, lifts, escalators, stairs, covered parking and circulation of vehicles.
- b. If corridors and arcades provided are more than 10 ft in width then additional area under corridors and arcades shall be excluded for calculating the car parking requirements.
- c. In case of additions/alterations additional parking will have to be provided for the additional floor area according to the standards given in these Regulations.

5.7.2 Floor Height

Minimum height of parking floors shall not be less than 8 ft (2.44m).

5.7.3 Parking Geometry

Configuration of parking spaces and drive way etc shall conform to the following minimum standards:

Components	M/Car	M/Cycle
Stall width	8ft (2.44m)	2ft-6 in (0.76m)
Stall length	16ft (4.88m)	6ft(1.83m)
Turning radius (measured from middle of two way ramp or outer curve of one way ramp)	20ft (6.1m)	6ft (1.83m)
Lot turning radius	17.5ft (5.33m)	
Approach ramp width/driving lane		
• One way	10ft (3.05m)	3ft (0.91m)
• Two way	18ft (5.49m)	6ft (1.83m)
Width of approach ramp would increase at the turns allowing for turning radius of 20ft.		
Gradient of Ramp	1:10	1:10
The ramp slopes may be increased to maximum 1:5 provided that for slopes over 1:10, a transition at least 8ft (2.44m) long is provided at each end of the ramp at one half the gradient of the ramp itself as shown in figures-5.1 & 5.2.		
Aisle width (minimum)		
• One way		
- 90 degree stall	16ft (4.88m)	6ft (1.83m)
- Less than 90 degree stall	14ft (4.27m)	6ft (1.83m)
• Two way	18ft (5.49m)	6ft (1.83m)

5.7.4 Ventilation & fire protection in parking area

Adequate means of ventilation, fire protection and emergency exits shall be provided in the parking areas.

5.7.5 Lighting Arrangement

All parking areas must be properly lit for clear visibility and safety.

5.7.6 Basement, Ramp, Parking

- a. The lower ground floor/basement if used for car parking purposes shall be constructed after leaving 4ft (1.22 m) space all around within the plot. This would apply in the case where basement is provided without piling. Ramp may be provided in the mandatory open spaces in the basements subject to the condition that it shall not obstruct these spaces on ground level. The owner will have to surrender the setback area for road widening in future if needed without any compensation.
- b. For the construction of basement the entire plot area can be covered subject to the provision of RCC piling along all four sides of the plot. The owner will have to surrender the setback area for road widening in future if needed without any compensation.
- c. No ramp is allowed inside and rear spaces at ground level if these spaces are not abutting a road.
- d. However the level of the roof of the basement in the mandatory open spaces required to be provided under these Regulations shall not exceed 6 inches above the crown of the road.
- e. The lower ground floor/basement if used for **usable** purposes other than car parking shall be constructed after leaving all the mandatory open spaces as required under these Regulations.
- f. No Ramp shall start within 10ft clear space from the plot line for entry and exit purposes. Such ramp should have a maximum slope of 1:5, with transition slopes minimum 8ft long and maximum 1:10 gradient at both ends. (see fig. 5.1)
- g. Where entry/exit to the basement is from the rear mandatory open space, a minimum chamfer of 6x6 ft shall be provided at the rear two corners of the building at the ground floor level (see fig. 5.2).
- h. In case, a commercial building is proposed to be used for multi-purposes like hotel, banquet hall or apartments etc. the parking requirements for these uses shall be calculated separately on the basis of proposed uses as per these Regulations.
- i. In the parking basement non-usable areas such as generator room/water tanks/pumping stations/engineering services/transformer may be permitted subject to the condition that the area does not increase 10% of the particular floor area with proper enclosure.
- j. The rooms for security/emergency staff may also be permitted in parking basement which will not create any hindrance in parking.
- k. In case of provision of parking in basement, the parking space should be provided for both Motor Bikes and Motor Cars. Parking Basement only for Motor Bikes will not be approved.
- l. The mechanical parking is allowed subject to the circulation that it shall not constitute more than 40% of the total car parking space required for the building. The remaining 60% parking must be provided in conventional manner.

5.7.7 Signage

- a. The building plans should clearly show entry, exits, gradient of ramp, turning radius, storage spaces, circulation and movement of vehicles etc.
- b. Proper parking signage such as entry and exit, directional arrows and road marking must be provided.

5.7.8 Construction of partition walls

No partition walls shall be constructed in parking areas.

5.7.9 Incentive for provision of additional Parking

Following incentives shall be given to the builder for providing car parking spaces over and above the requirements:

- If the car parking spaces are 10% more than the requirement then the building plan fee shall be reduced by 10%.
- If the car parking spaces are 20% more than the requirement then the building plan fee shall be reduced by 20%

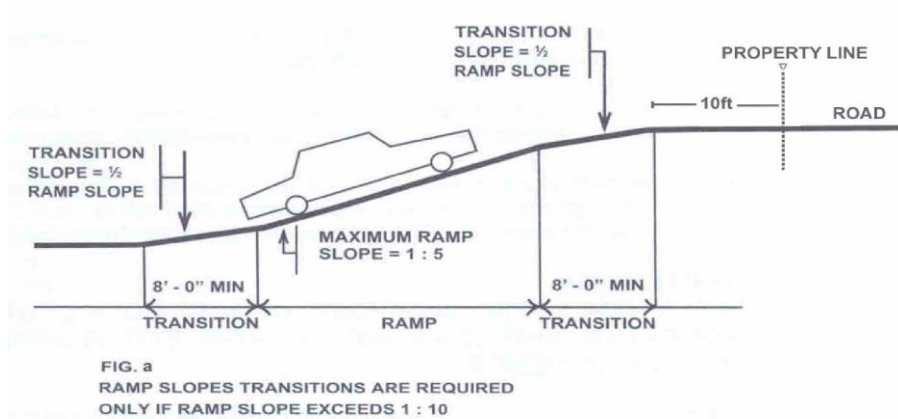


Fig-5.1 Ramp

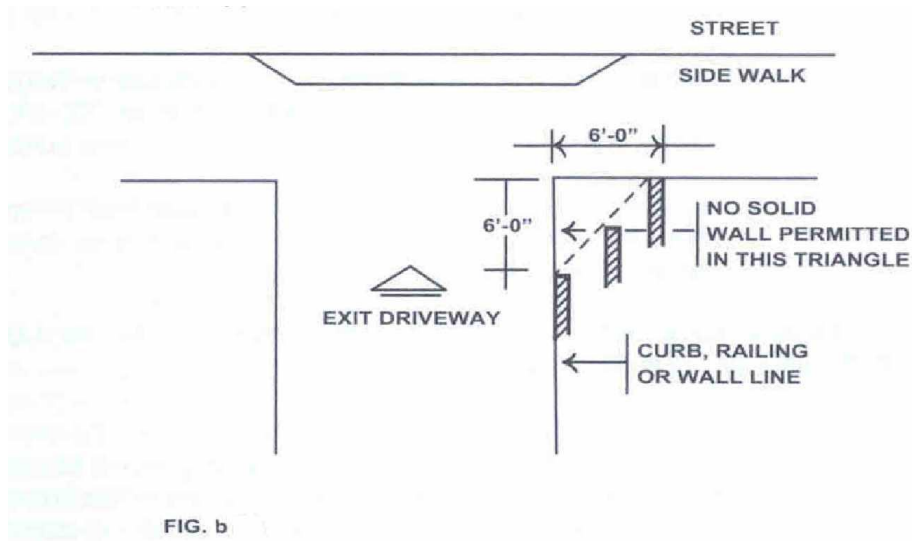


Fig-5.2 Chamfering at Driveway

5.8 Tree Planation

- Proposed building plan will also ensure the space for tree plantation as per the plot size given below:

Plot Size (Category)	No. of Trees
5 Marla and Less than 10 Marla	1

10 Marla and less than 1 Kanal	2
1 Kanal and less than 2 Kanal	3
2 Kanal and above	4

STRUCTURAL DESIGN OF MULTI STOREY BUILDINGS & BTS/TOWERS/ANTENNAS**6.1 Design****6.1.1 Earthquake Resistant Design**

- a. The structural design of buildings and its individual elements shall conform to the requirements of the applicable codes such as UBC 1997, for resisting earthquake forces.
- b. The seismic zone factor for buildings shall be based on the Seismic Zone Map of Pakistan.

6.1.2 Structural/Engineering Design

- a. Basic Loads to be considered in Design: following loads shall generally be taken into account, as a minimum:
 - i. Dead loads
 - ii. Live loads
 - iii. Earth pressure
 - iv. Pressure of water and other liquids
 - v. Wind loads, where they govern the design
 - vi. Seismic Loads
 - vii. Such other loads as are relevant
- b. Additional Loads to be Included In Special Cases: following loads shall additionally be taken into account, where there is reasonable probability of their occurrence or in cases where the applicable codes require that they also be considered:
 - i. Explosion (use the specific risk specified)
 - ii. Impact (use the specific risk specified)
 - iii. Influence of equipment (use the specific characteristics of the equipment intended to be placed)
 - iv. Removal of Support (Use the specific facts of the case and only when undertaking modification of an existing building).

6.1.3 Compliance to Design Codes

- a. The structural design of buildings shall meet the requirements of the current edition of the following design codes:
 - i. Uniform Building Code, 1997 Edition, International Conference of Building Officials, USA
 - ii. International Building Code, 2006 Edition, International Code Council, USA.
 - iii. Building Code Requirements for Structural Concrete (ACI 318-99) and Commentary (ACI 318 R-99), American Concrete Institute, USA
 - iv. Building Code of Pakistan (Seismic Provisions 2007)
 - v. Building Code of Pakistan (Energy Provision 2013);
 - vi. Building Code of Pakistan (Fire Safety Provision 2016);

- b. The geotechnical investigations shall be done in the light of the specific details of the building, the order of loads and special requirements, if any. The scope and quantum of testing shall be consistent with the applicable parameters of the project.

6.1.4 Structural Drawings

- a. Structural drawings shall show the information and level of detail customarily required to be carried by design drawings.
- b. Drafting shall follow the generally accepted conventions and practices.
- c. All drawings shall be numbered and revision numbers with dates shall be clearly marked.
- d. The structural drawings/documents shall also show the following information:
 - i. Specific values of the various geotechnical parameters adopted.
 - ii. Specific values of the various parameters adopted for computation of the earthquake loads and the code of practice followed.
 - iii. Specific values of the various parameters adopted for computation of the wind loads and the code of practice followed.
 - iv. Design live loads adopted for each floor.
 - v. Uniformly distributed and other dead loads adopted for each floor.
 - vi. A description of partitions at each floor and the loading adopted to account for them.
- e. Structural drawings shall bear the seal and signature of the structural engineer.
- f. Tests for construction materials:
 - i. The Authority may require the testing of any construction materials to determine if materials are of quality specified.
 - ii. Tests of materials shall be carried out by an approved agency at the cost of the builder. Such tests shall be made in accordance with the prevailing standards.
 - iii. A complete record of tests of materials and their results shall be available for inspection during progress of work.

6.2 Sites

6.2.1 Building Site

No building shall be erected upon a site reclaimed with town sweeping or other refuse, until the whole ground surface or site of such building has been rendered innocuous and has been covered with a layer of clean earth, sand, hard core, clinker or ash rammed solid at least 12 inches (0.30 m) thick.

6.2.2 Boundary Wall

Boundary walls abutting the public streets, footways, or places which the public are allowed to use shall not have fencing consisting of barbed wire or any material likely to cause injury to persons or animals.

6.3 Foundations

6.3.1 Ground Test

The builder shall cause tests to be made to prove the nature of the soil, wherever considered necessary by the Authority. Such tests must be made for all sites intended to be constructed upon with buildings having four storey and above.

6.3.2 Foundation near Drain

Where a building is to be erected near a drain or an excavation at a distance less than the depth of the said drain or excavation, the builder shall satisfy the Authority that the foundations of the buildings are safe.

6.3.3 Structural Calculations

The builder shall submit structural calculations and a certificate from a qualified structural engineer to verify the structural stability of foundations and super structure, if required by the Authority.

6.3.4 Damp Proof Course

- a. Proper damp proofing shall be provided for walls and floors according to the standard specifications in Uniform Building Code, 1997 or International Building Code, 2006 of USA & NRM, 1986.
- b. Where the floor or wall of a building is, in the opinion of the Authority, subject to water pressure, that portion of the building below ground level shall be suitably waterproofed.

6.3.5 Basement

For the construction of basement beyond 12 ft (3.66 m) depth from road level, RCC piling along all four sides of the plot at the property line is a must. The design of RCC piling will be based on the soil investigation report and the design shall be submitted along with the building plans.

6.4 Stair Cases and Lifts

6.4.1 Stair case Specifications

- a. All buildings other than Apartment Buildings up to three storey shall have stair-cases having a minimum clear width of 3 ft-6 inches (1.07 m) and 4 ft (1.22 m) where they exceed three storey.
- b. In Apartment Buildings stair-cases shall have the following minimum width:-
 - i. Up to 5 storey 4 ft (1.22 m) clear
 - ii. Above 5 storey 4 ft-6 inches (1.37 m) clear
- c. The riser of the stair-case step shall not be more than 7.1/2 inches (0.19 m) and the tread not less than 10 inches (0.25 m)
- d. There shall not be more than 15 risers between each landing. A landing shall not be less than 3ft-6inches (1.07m) in depth except in case of service stair-case where the number of risers may be increased depending upon the situation and design.
- e. Winders may only be permitted in residential buildings other than Apartment Buildings.
- f. All stair-cases in Apartment Buildings shall be of reinforced cement concrete or other non-inflammable material.

6.4.2 Lifts

- a. Lifts shall be provided in buildings (other than residential) on plot size above 7 Marlas

- b. Lifts shall conform to the international standards with respect to all safety devices and specifications.
- c. Number of lifts should be provided keeping in view the size, building height and use of the buildings in conformity with standards of Uniform Building Code, 1997 or International Building Code, 2006 of USA & NRM, 1986.

6.5 Design Requirements for BTS / Towers / Antennas

BTS/Towers/Antennas may be permitted on commercial/converted plots subject to NOC from the concerned Authorities. No BTS/Tower/Antennas shall be allowed in residential building or under the policy enforced by the government.

SUBMISSION OF FIRE SAFETY PLAN, STRUCTURAL DRAWING AND WATER SUPPLY AND DRAINAGE INCLUDING RAIN WATER HARVESTING PLAN

7.1. Submission of documents. – The owner/developer shall submit to the Authority four sets of the following documents:

- (a) Water supply, sewerage and drainage plan (Including rainwater harvesting;
- (b) Structural drawings;
- (c) Electricity Safety Plan; and
- (d) Fire safety plan including electrical fire safety etc;

7.2 Water supply, sewerage and drainage. – (1) A owner/developer shall:

- (a) engage services of a qualified public health and structural engineer, registered with Pakistan Engineering Council, for the preparation of detailed design and specifications of water supply, sewerage and drainage systems including rain water harvesting;
- (b) ensure that the design and specifications are in accordance with law, rules, master plan and guidelines of the agency responsible for the approval; and

(2) The owner shall, in areas where public trunk sewer does not exist, abide by the requirements of an agency maintaining a sewerage system and shall ensure disposal of sewage to the satisfaction of the agency.

(3) The owner at his cost shall connect sewerage and drainage system of the building to a public trunk sewer wherever available subject to approval of an agency maintaining a sewerage system.

(4) After connecting the system to a public trunk sewer, the same may be taken over by the agency for operation, maintenance and billing.

(5) The owner shall submit four sets of the following documents or drawings to the Authority:

- (a) detailed designs and specifications of water supply, sewerage and drainage system (including rain water harvesting);
- (b) number of tube wells, their capacity, chamber design, the details of bore hole and connection with water supply system, including tube well logs (strata chart), details of tube well machinery and installation detail;
- (c) number of overhead tanks, capacity, design, structure design and design calculation details along with structural stability;
- (d) design for ultimate disposal of the sewage; and
- (e) location of septic or soakage well, where disposal is not available.

7.3. Structural Drawing. –The owner shall:

- (a) prepare design and specification of structure which shall be designed as may be specified in Building Code of Pakistan (Seismic Provisions 2007);
- (b) engage services of a qualified structural engineer, registered with Pakistan Engineering Council, for the preparation of detailed design and specifications of structure;
- (c) ensure that the design and specifications are in accordance with law, rules, master plan and guidelines of the agency responsible for the approval; and

7.4. Electrification plan. –The owner shall:

- (a) prepare design and specification of electricity which shall be designed through the most energy efficient ways as may be specified by approving authority, agency and Building Code of Pakistan (Energy Provision 2013);
- (b) submit these designs and specifications to concerned agency notified by the Government responsible for the provision of electricity and for approval;

- (c) ensure that designs are prepared by an electrical engineer, registered with Pakistan Engineering Council, and approved by the agency responsible for provision of electricity; and
- (d) install or provide energy efficient lights for building as may be specified by approving authority, agency or department at the time of approval.

7.5. Fire Safety plan. –The owner shall:

- (a) engage services of a qualified fire safety engineer, registered with Pakistan Engineering Council, for the preparation of detailed design and specifications of structure;
- (b) prepare design and specification of fire safety plan which shall be designed as may be specified by approving authority, agency and Building Code of Pakistan (Fire Safety Provision 2016);
- (c) submit these designs and specifications to LDA for vetting from the Fire Safety Engineer on the Panel of LDA;
- (d) the owner will submit the vetted designs and specifications to Civil Defence department for provision of NOC
- (e) install or provide fire safety equipment's/fixtures for building as may be specified by approving authority, agency or department at the time of approval.

7.6. Processing of Plans. –On submission of the design for services:

- a) the Director Town Planning shall forward, within seven days, the design to the agency or agencies responsible for its approval;
- b) the concerned agency shall within twenty days will approve or convey objections, if any to a sponsor under intimation to the Director Town Planning.
- c) In case of resubmission, the concerned agency shall within fifteen days, convey its decision to the sponsor under intimation to the Director Town Planning;

CHAPTER-8
BUILDER'S OBLIGATIONS

8.1 Obligations of Builder at Construction Sites

8.1.1 Air Pollution

No building works or demolition of an existing structure shall be undertaken unless necessary arrangements, such as sprinkling of water on dusty materials are made to prevent air pollution by way of emission of dust from the construction site.

8.1.2 Site Hoardings

No person shall start Building Works on a site abutting on a street without having first provided hoarding or barrier to the satisfaction of the Authority along the whole length of such site so as to prevent danger or injury to the public or to the persons employed on the work; provided, however, this regulation does not apply in the case of Building Works, in connection with structures situated at least 15 ft (4.57 m) away from the edge of a public street and being not more than 25 ft (7.62 m) high.

8.1.3 Written Permission for Use of Street

No construction material or debris shall be deposited in any street without the written permission of the Authority and on the condition that the builder will be responsible for clearing the street as and when required by the Authority or immediately after completion of the work, whichever is earlier.

8.1.4 Utility Departments to be Informed for Excavation of Public Street

No excavation shall be made in any street without written permission of the Authority. The applicant will inform all concerned departments/agencies such as WASA, WAPDA/LESCO, OGRA and UC about the date on which he proposes to start excavation along with a copy of the sanctioned plan/the permission.

8.1.5 Utility Services not to be obstructed

All materials, hoardings, fences or other obstructions in any street shall be kept clear of hydrants and other utility services installations or alternative arrangements to the satisfaction of the Authority shall be taken to divert obstruction of any roadside or drain during the period of obstruction.

8.1.6 Obstructions to be Lit and Marked

Any person causing any building material or other things to be deposited, any excavation to be made or any fence to be erected in any street, shall at his own expense cause sufficient and adequate red lights to be fixed upon or near the same and shall continue to provide such light every night from sunset to sunrise while such materials, hoardings, things or excavation remain. In addition, red flags shall be provided during day time.

8.1.7 Removal of Obstructions and debris After Completion of Works

All debris, obstructions and, erections in any street/ road shall be removed within 7 days of the completion of the work and the street/road, all drains and public utility installations shall be kept in a clean, tidy and serviceable condition.

8.1.8 Timbering

An adequate timbering shall, where necessary be provided and used to protect any person employed, from a fall from a height exceeding 4 ft (1.22 m) of earth, rock or other material forming the side of, or adjacent to, any excavation or earth works.

8.1.9 Stability of Adjacent Buildings

No excavation, earth work, demolition or construction of building which are likely to affect the stability of any adjoining properties and infrastructure shall be started or continued unless adequate steps are taken before and during the work to prevent any damage to the adjacent properties and infrastructure facilities.

8.1.10 Filling of Excavated Site.

A site once excavated shall not be kept open beyond the period stipulated for completion of the work below ground level.

8.1.11 Loading edges of Excavation

Material shall not be placed or stacked near the edge of any excavation where it is likely to cause a collapse of the side of the excavation and thereby endanger any person. Where vehicles or machines are used close to any excavation there shall be provided measures to prevent the vehicles or machines from over turning and falling into the excavation.

8.1.12 Permit to Demolish Building

No building shall be demolished without a written permission from the Development Authority. No permit to demolish will be issued unless the Competent Authority is satisfied that the electricity, gas, water, sewerage or other utility services connections to the property have been effectively cut off and protected. Such connections shall be remained cut off during the period of the work.

8.1.13 Scaffolds and Shuttering

- a. Appropriate scaffolds shall be provided for all works that cannot safely be done from the ground or from part of the building or from a ladder or other available means of support and sufficient safe means of access shall be provided to every place at which any person has at any time to work.
- b. No roof, floor or other part of the building shall be so overloaded during the process of demolition / construction with debris or materials so as to render it unsafe.
- c. All shuttering of multi-storey building shall be in accordance with the design codes as specified in section 7.1.3

8.1.14 Work on Sloping Roofs

Where work is done on the sloping surface or a roof, suitable precautions shall be taken to prevent building materials and persons employed from falling off.

8.1.15 Precautions for Raising or Lowering Loads

No chain, rope or lifting gear shall be used unless it is of good construction, sound material, adequate strength, suitable quality and free from any defect. A proper barrier shall enclose the area where a vertical hoist is used.

8.1.16 Security of Loads

- a. Every part of a load shall be securely fixed or supported while being raised lowered or suspended and shall be adequately secured to prevent danger from slipping or displacement.
- b. Every receptacle used for raising, lowering and suspending blocks, bricks, tiles or other objects shall be so designed and constructed as to prevent the accidental fall of such objects.

8.1.17 Maintenance of Buildings

A Company/Corporation for the life time maintenance of Electrical/Mechanical installations, such as Elevators, Escalators, Mechanical Lifts, Air-Conditioning Plants, Air Handling unit, Ventilation Systems, Sprinkling System, Overhead Tank, Lighting System, Mechanical Parking Unit (if provided), shall be established. The applicant shall provide an undertaking on stamp paper in this regard at the time of submission of building plans.

8.2 Obligations of Development Authority

8.2.1 Cancellation of Permission

The Competent Authority may give a notice in writing after completing the codal formalities for canceling any permission issued for breach of any of the imposed conditions or for any other reason, they may think fit. The builder within 7 days shall comply with the instruction therein.

8.2.2 Power to Seal

The Competent Authority after completing the codal formalities may seal the building or part thereof on any of the following grounds:

- a. If the building has become structurally dangerous.
- b. If the building is in the process of illegal construction or has been illegally constructed.
- c. If adequate fire fighting arrangements have not been provided to the satisfaction of the fire-fighting department.
- d. If the electricity network has become dangerous.
- e. If the facade of the building has deteriorated.

8.2.3 Maintenance of Building

- a. The Development Authority may issue instructions to the builders / occupants of the building for improvement of facade and management of the common utility areas. In case the builder / occupier fail to comply with the instructions, the Authority may undertake the work at the risk and cost of the occupier / builder.
- b. The builder / occupants shall be responsible to maintain the building including all common utility areas as per requirements of any regulations enforced.

8.2.4 Dangerous Obstructions

If any material, hoarding, excavation or any other thing, in or near any street/road, in the opinion of the Authority is dangerous to the passers by, properties and utility services and the builder / occupier fails to improve the same, the Authority may undertake the work at the risk and cost of the occupier / builder.

8.3 Dangerous Buildings

- a. If a building or its part has become unsafe and structurally dangerous it shall be the responsibility of the builder/occupier to undertake immediate repair, or if the structure is beyond repair to demolish part or whole of the building as the case maybe.
- b. The Authority may constitute a committee consisting of engineer(s), architect(s) and town planner(s) to declare a building dangerous.
- c. If the builder/occupier fails to comply with the instructions issued, the Authority may take actions and demolish the building or its part as the case may be at the risk and cost of the builder/occupier.

ROLES AND RESPONSIBILITIES**9.1 General**

- a. Persons as defined in these Regulations, shall undertake the various activities from design the construction of all buildings.
- b. Every person shall be responsible for the discharge of his duties as per his/her following prescribed role.
 - i. **Builder:** responsible for obtaining approval of building plans from the competent authority, ensuring compliance with the provisions of Building Regulation and instructions issued during or after the construction. He /she shall also hire requisite professionals.
 - ii. **Consultant:** responsible for designing and supervision of construction activities in accordance with the approved building plans, Building Regulations and other instructions.
 - iii. **Contractor:** responsible for constructing the building as per provisions of approved building plan, Building Regulations and other instructions.
 - iv. **Authority:** responsible for performance of its functions and duties in accordance with the provisions of the Act and Building Regulations.

9.2 Builder- Responsibilities**9.2.1**

- a. Builder shall engage the services of following qualified professionals for the various stages of the project:

i. Consultants

1. Architect
2. Geotechnical Engineer (for multi-storey & buildings of public assembly)
3. Structural Engineer/Vetting Structure Engineer (for multi-storey & buildings of public assembly)
4. Electrical Engineer (for multi-storey & buildings of public assembly)
5. Public Health Engineer (only for multi-storey & buildings of public assembly)
6. HVAC and Mechanical Engineer (for multi-storey & buildings of public assembly)

ii. Resident Engineer (for multi-storey & buildings of public assembly)**iii. Contractor** (for multi-storey & buildings of public assembly).

- b. The builder shall enter into a contract with each of the above professionals, as applicable, and before the start of services of a professional, submit to the Authority a written document signed by the builder and the respective professional, showing the agreed scope of the services for record.
- c. The builder shall ensure that the construction contract shall duly allocate the required role to the above consultants and Resident Engineer with all the attendant powers envisaged in the agreed documents as 9.2.1(b) above.
- d. In cases, where there is a change in the name or role of any professional engaged by the builder/Professionals pursuant to Building Regulations, the builder shall promptly inform in writing to the Authority on BR-14. The work, assigned to that particular professional,

shall remain suspended till such time that the name of a substitute is provided along with a copy of the contract.

- e. The builder shall display on a reasonable hoarding board showing approved building and site plan, visible to the general public and monitoring team of the Lahore Development Authority at the construction site.
- f. The builder shall be responsible for the disposal of debris/waste from construction site to the waste disposal site, as prescribed by the district government.
- g. The builder shall be responsible to restore the area in front of his/her plot after construction
- h. The builder shall be responsible to display the sanctioned plan at the site.

9.2.2 Builders responsibility for BTS / Towers / Antennas

- a. The area approved for installation of BTS towers shall be maintained / beautified by the concerned company to create environmental friendly atmosphere.
- b. Repair and maintenance of the premises on / in which the BTS sites are to be constructed will be the responsibility of the Mobile Company as per their requirement.
- c. The security of BTS towers in all respects shall be the absolute responsibility of the concerned cellular company.
- d. In case the site is acquired by any Government agency for development activity in public interest, the cellular company at its own risk and cost shall remove the structure. However, compensation for land and permanent structures shall be regulated according to relevant provisions of law.
- e. Any future change in approved specifications (tower base, height, building structure) will require fresh sanction from the concerned Authorities.

9.3 Consultants - Qualification and Responsibilities

- a. Various Consultants hired by the Builder shall be responsible for designing and supervision of construction activities to the extent of designs, drawings and specifications approved by the Lahore Development Authority.

1. Architect

- 1. The architect registered with the PCATP and having a registration with the Authority to prepare building plans.
- 2. The architect shall produce architectural designs, drawings and where required in contract also the technical specifications.
- 3. The Architect shall ensure that all architectural designs are in accordance with the Building Regulations.

2. Structural Engineer / Vetting Structural Engineer

- 1. The Structural Engineer/vetting Structural Engineer shall be a consulting engineer registered with PEC with 5 years of professional experience as structural engineer.
- 2. The Structural Engineer shall produce structural design drawings and, where so required by contract also technical specifications.
- 3. The structural designs shall comply with requirements of the Code specified under Regulation 7.1.3.
- 4. a vetting Structural Engineer shall undertake the review of structural drawings & designs, required under these Regulations.

3. Electrical Engineer

1. The electrical engineer shall be a consulting engineer registered with PEC, and shall have practiced this specialty as a registered professional electrical engineer for at least five years.
2. The electrical engineer shall be responsible for producing electrical design drawings and, where so required by his/her contract, also for technical specifications.
3. The electrical engineer shall be responsible for ensuring conformity with designs and drawings on the site.

4. HVAC and Mechanical Engineer

1. The HVAC and Mechanical engineer shall be a consulting engineer registered with PEC and shall have practiced this specialty as a registered professional mechanical engineer for at least five years.
2. The HVAC and Mechanical engineer shall produce HVAC and mechanical designs drawings and, where so required by his/her contract also for technical specifications for various equipments, lifts and materials to be used
3. The HVAC and Mechanical engineer shall be responsible for ensuring conformity with designs and drawings on the site.

5. Public Health Engineer

a.

1. The Public Health Engineer shall be a consulting engineer, registered with PEC and shall have practiced this specialty as a registered professional public health engineer for at least five years.
2. The Public Health engineer shall produce Public Health designs drawings and, where so required by his/her contract also for technical specifications.
3. The Public Health Engineer shall be responsible for ensuring conformity with designs and drawings on the site.

b. Each Consultant listed at i to-v above shall visit the site at regular intervals but atleast once in a fortnight during the construction period when work related to his/her services is in progress.

c. Each Consultant shall record the date and time of his/her visit and his findings during the visit and send a copy to the Resident Engineer for record.

d. Whenever a Consultant finds that construction/works is not taking place according to approved designs, drawings and specifications he shall immediately inform the Builder, Resident Engineer and the Authority on BR-13.

e. In case the consultants do not inform the Authority his/her case will be referred to the competent forum for blacklisting.

9.4 Resident Engineer - Qualification and Responsibilities

- a. The construction activity shall be supervised by a resident engineer registered as a professional civil engineer, with PEC with 10 years experience in construction projects.
- b. The Resident Engineer shall:

- i. Render full-time on-site supervision of the project.
- ii. Develop and implement a construction-site safety program.
- iii. Take all reasonable measures to adhere to all good engineering construction practices.
- iv. Cause to employ reasonably trained staff, in respective fields, as and when required, for undertaking the supervision.
- v. Cause such testing and inspections to be carried out as are required, in his opinion, but such testing shall in no case be less than that prescribed by the Uniform Building Code, 1997, USA.
- vi. Hold conferences with the contractor, builder and concerned consultants at suitable intervals, reviewing progress, quality and safety. Minutes of the said conferences shall be duly maintained.
- vii. To maintain a complete set of all approved plans, designs, drawings and specifications at site.
- viii. Promptly inform the Authority on BR-13 and builder if in his/her view construction/works is taking place in violation of the approved designs, drawings and specifications.
- ix. Maintain all the construction/works records at site during construction and handover the same to the builder after completion of construction
- x. The construction/works records shall comprise of the following:
 1. Progress record of construction activities.
 2. Event report including weather condition, seismic tremors, wind, temperature and rain fall data.
 3. Record of the site presence of the key staff members of the Resident Engineer, Contractor(s) and subcontractor(s), on a daily basis.
 4. Record of contractors and sub-contractors working on the site.
 5. Copies of all change orders.
 6. Copies of as-built drawings, for only such elements where the construction has significantly deviated from the design drawings.
 7. Record of all tests including a description of samples, storage, transportation, test results and acceptance notes, with dates.
 8. Records of all formal inspections made by him, on a day-to-day basis, of the individual elements, with a checklist of parameters inspected and approved.
 9. Record of the minutes of periodic conferences made with the contractor/builder and consultants.
 10. Record of all correspondence made.
 11. Record of visits of the Authority officials and the consultants and copies of written instructions issued by them.
 12. Reports of all failures if any including a technical evaluation of the facts and the action taken.
 13. Reports of all accidents including a technical evaluation of the causes of accidents and the action taken.

9.5 Contractor- Qualification and Responsibilities

- a. Every contractor hired by the builder must be registered with PEC having valid license for undertaking the particular category of work.

- b. The contractor shall carry out his/her duties in a professional manner ensuring safety at the construction site and conformity to designs, drawings, specifications in accordance with Building Regulations and good engineering construction practices.
- c. The contractor shall ensure that all his / her workers/staff working at construction site are fully insured against any injury or death due to mishap.
- d. The contractor shall employ reasonably skilled staff at the site, headed by a licensed professional as per requirements of PEC.
- e. Promptly inform the Authority on BR-13 and builder if in his/her view construction/works is taking place in violation of the approved designs, drawings and specifications.

9.6 Lahore Development Authority – Responsibilities

- a. The field staff shall visit the site as prescribed under these Regulations.
- b. The field staff shall ensure that the building is constructed as per approved plans the structural engineering staff shall ensure that the construction is taken place as per approved structure designs and specifications and as per good engineering construction practices to ensure required quality of construction.
- c. In case of any violation of approved plans and designs action shall be taken immediately as per these Regulations.
- d. All structures/towers shall be inspected by the Lahore Development Authority after every two years to ensure safety and environmental standards.

9.7 General Obligations/Responsibilities

9.7.1 Soil/Material Testing

- a. All geotechnical investigation and material testing services shall be ensured by all respective professionals. These tests shall be carried out in approved laboratories for respective tests.
- b. In cases, where a particular laboratory does not possess the facility of undertaking a particular test, it shall be permitted for that laboratory to get that test conducted by another laboratory possessing such facility and approved for executing that test or a class of tests.

9.7.2 Substitution of Building Professional

- a. In case of change of a Consultant, Resident Engineer and Contractor, each shall immediately inform the Authority in writing on BR-13 along with the details of substitute provided. Whenever another consultant, resident engineer & contractor substitute a professional each shall be responsible to the extent of works under taken by them. The Resident Engineer will maintain a record of magnitude of construction works done by each professional and hand over the record, of the period of his/her incumbency, to the Resident Engineer taking over from him.
- b. In case of substitution of a professional the respective work shall remain suspended till the hiring of a substitute.

CHAPTER-10

BUILDING PLAN SANCTIONING & CONTROLLING AUTHORITY

10.1 General

- a. Every builder including the Federal Government, Provincial Government, Autonomous, Semi-Autonomous and Local Bodies of Provincial Government and Provincial Government Agencies intending to carry out building works within the area under the jurisdiction of the Lahore Development Authority shall comply with the requirements of these Building Regulations.
- b. No land or building shall be used in a manner inconsistent with the use prescribed in any Master Plan and Approved Scheme as may be applicable or converted under the Punjab Local Government Commercialization Rules notified by the government from time to time and in violation of these Building Regulations.
- c. The following buildings shall be exempted from the operation of these Regulations:
 - i. Any structure erected or used or intended to be erected and used exclusively for the purpose of plant-house or bird-cage having maximum height of 4 ft (1.22m).
 - ii. Any structure intended to stand for a period of not more than 6 months, provided that prior permission of the Authority has been obtained in writing and an undertaking is given to remove such structure within six months.
 - iii. No permission is required for minor repairs as defined in chapter-1.
 - iv. Kiosk may be allowed in the commercial buildings subject to following conditions:
 - a. The location of kiosk will be clearly marked in the building plan submitted for approval .
 - b. The Kiosk will not only be temporary in nature but will be removable.
 - c. Maximum 30% of corridor space of building Kiosk will be allowed having 8 feet clear space all around except on dead end.

10.2 Application for Building Works

Every builder intending to carry out building works as a result of which the original covered area will increase or where changes are such as to alter the original use of the rooms shall submit to the Authority an application in writing on BR-1&BR-2 for permission to execute the work.

For making any addition or alteration in a building the builder shall submit a plans showing:

- a. Additions/Alteration in Red.
- b. Existing work in Black.
- c. Structures to be demolished in yellow.
- d. In case of addition alteration plan of multistory building, mandatory certification of structural stability and geotechnical investigation report with regards to foundation design and shoring system by a professional Structural Engineer and Geotechnical Engineer / Geologist respectively.

10.3 Submission of Plans and Documents

10.3.1 Plans

- a. All applications shall be made on Application Forms BR-1, BR-2 prescribed by the Authority as at Appendix-A.’
- b. The building plan shall be prepared by a duly registered architect and shall bear the stamp, signature and registration number of the architect and signatures of the builder.
- c. Five copies of every such plans and design drawings shall be furnished to the Authority along with the application, two of which shall be mounted or drawn on linen. Two copies signed by the Authorized officer of the Authority signifying approval shall be returned; one of which (copy mounted or drawn on linen) shall be displayed on the construction site; at a prominent public place, duly laminated to protect it from rain/sunlight.

10.3.2 Documents

For new structure, plans and documents which shall be submitted along the application are listed below:-

- a. **Documents of Title:** All the title documents relating to the plot/plots including the allotment / transfer order, site plan and lease etc. showing the right of developer or power of attorney to carry out such work.

b. Site Plan

- i. A site plan drawn to a scale of 100 ft (30.49m) to an inch (0.03m) (1:1250) to show the site to which it refers, unless its address is a number in a regular sequence of numbers in an Approved Scheme.
- ii. A block plan of the site drawn to a scale of not less than 32 ft (9.76m) to an inch(0.03m) (1:400) showing the position of the proposed building and existing buildings, if any; the width and level of the streets on which the plot abuts and the adjoining plot numbers together with cardinal points.

c. Building Plan

Building plan shall be drawn to scale of not less than 8 ft (2.44 m) to an inch (0.03m) (1:100) or if the building is so extensive as to make a smaller scale necessary, not less than 16 ft (4.88m) (1:200) to an 1 inch(0.03m). Building Plan showing the following detail shall be submitted along with application:

- i. Plans, sections and elevations of every floor including basement, inter floor, mezzanine, cellar, if any, graphically describing the building intended to be erected.
- ii. Purpose for which the building or parts thereof are intended to be used.
- iii. Accesses to and from several parts of the building and its appurtenances.
- iv. Ventilation details (position, form, dimensions and means).
- v. Depth and the nature of foundations.
- vi. Proposed height of plinth and super structure at the level of each floor.
- vii. Dimensions and description of all the walls, floors, roofs, columns, beams, joists and girders to be used in the walls, floors and roof of such buildings.
- viii. Owner / developer may submit the architectural drawing in imperial or metric unit system.

d. Drainage Plan

- i. A plan showing the intended line of drainage of such building and the details of the arrangement proposed for the aeration of the drains.

- ii. Plan and section of the area between building line and edge of adjacent metalled road having levels with reference to road level showing drainage line.

e. Landscape Plan

Applications pertaining to all properties shall be accompanied by a landscape plan drawn to a scale of 32 ft (9.76m) to an inch (0.03m) or (1:400) or other suitable scale showing hard and soft landscape elements include Horticulture Works around the proposed building. Adequate plantation of trees must be indicated on the plans.

f. Undertaking

An undertaking on Performa BR-5 in favour of the Authority on stamp paper of value Rs.500 according to which the builder shall pay damages to the satisfaction of the Authority if any damage is caused to the adjoining properties and infrastructure due to excavation / construction activities.

g. Religious building

The builder intends to construct a religious building shall provide No Objection Certificate from the District Coordination Officer and any other concerned departments as notified by the Government from time to time.

h. Evacuation Plan

In case of multi storey buildings an Evacuation Plan vetted by Rescue 1122 and Civil Defense Department should be submitted. Also the owner will ensure to display readable copies of this evacuation plan on accessible places of building.

10.3.3 Multi-storey Buildings and Buildings of Public Assembly

In addition to the plans and documents as specified in regulation 10.3.1&10.3.2, the builder shall submit the following documents after scrutiny of building plan:

a. Structure Stability Certificate

A structure stability certificate signed by a qualified Structure Engineer along with building plans of multi-storey buildings and buildings of public assembly on performa BR-6.

b. Structural Design Drawings

Three sets of structural design and documents as listed below duly prepared and signed by a consulting Structural Engineer.

- i. Design criteria, specifying design loads, reference standards and codes, and the methods of analysis and design adopted.
- ii. Design computations.
- iii. Design drawings.
- iv. Relevant technical specifications.
- v. Soil investigation report.

c. Excavation Plan and Design of Pile Work / Retaining Structures

For development projects having site area more than 30 kanals, partial plans(excavation for basement/s and design of pile work / retaining structures) inconformity with these Building Regulations for permission to execute digging, pile work, retaining structure for basement (s) prior to approval of building plans, can be allowed only at the risk and cost of the developer subject to fulfillment of all the mandatory requirements of Building Regulations and the observations of

High Level Design Committee and Special Committee, if the site fall under the purview of High Level Design Committee and Special Committee.

d. Certificate from fire fighting department

In case of commercial, educational, hospital, industrial and apartment buildings as well as multi-storey buildings and buildings of public assembly, a certificate from the fire fighting department regarding provision and adequacy of fire fighting arrangements prior to issuance of completion certificate, is required to be provided to the Authority, by the developer.

e. Certificate of Architect, Resident Engineer and Structure Engineer

For multi-storey buildings and buildings of public assembly, joint Certificate from the builder, the Architect, the Resident Engineer and the Structure Engineer as specified at Appendix-B, at the following stages is to be provided to the Authority, by the developer:

- i. when construction up to plinth level is completed (see BR-7).
- ii. when construction up to 38ft (11.58m) level is completed (see BR-8).
- iii. upon completion of the building (see BR-9).

f. Details of Building Materials

Sound building material, in accordance with International Building Codes 2006, Uniform Building Codes 1997, or Building Code of Pakistan, 1986, shall be used in order to ensure the safety and stability of the building and the details of building materials shall be submitted.

g. NOC from EPA

Subject to the provisions of Pakistan Environment Protection Act 1997, every application concerning following buildings shall be accompanied by an EIA and a No Objection Certificate from EPA.

- i. Industrial Buildings
- ii. Hospitals
- iii. Hotels
- iv. Urban Development Projects
- v. Complex of buildings on a plot of 20 Kanal or above

LDA will conduct the EIA and cost which will be incurred on the study, shall be charged from the individual/owner at the time of approval of building plan.

- vi. Residential Apartment(s), Education Institution(s), Restaurant(s) and hotels with height above 70 feet and area four Kanals and above

h. NOC from Traffic Engineering Agency

a. TIA shall not be required for designated commercial plots in Civic Centre/CBD/Division and District Centre or Neighbourhood.

b. In the schemes where re-classification plan be prepared under Land Use (Classification, Re-Classification and Re-Development) Rules-2009, the TEPA shall conduct the overall traffic impact study.

c. TIA shall be conducted by the sponsors/builders through consultant and shall be submitted to TEPA for issuance of NOC and execution of parking agreement, for all Building(s) other than areas mentioned at 10.3.3. h(a) having:

(i) Plot area of 4 kanal (1673 sqm) and above. However it will not be applicable for residential house

(ii) 5 storey and above

I. Documents for Fire safety, structure drawing, and water supply, and drainage including rain water harvesting will be submitted as mentioned at Clause 7.1

J. The Roof top of the multi storey building will be essentially use for roof top gardening or solar energy

c. Areas other than a and b,

- i. Non –residential building having plot area of 4 kanals (1673 sqm) or above.
- ii. Non –residential building having 5storey and above.

TEPA shall conduct the traffic impact study and cost which will be incurred on the study, will be charged from the individual/owner at the time of approval of building plan.

10.3.4 Vetting of Structural Drawing of Multi-storey and Buildings of Public Assembly

- a. The documents submitted under regulation 10.3.3 above shall be forwarded for scrutiny to the vetting Structural Engineer working for the Authority.
- b. The vetting Structure Engineer working for the Authority shall vet the structural drawings prepared by the builder’s Structure Engineer. The builder's Structure Engineer shall incorporate the required changes (if any). The structural drawing or amended structural drawing as the case may be, shall be duly signed by the vetting Structure Engineer working for the Authority and builder's Structure Engineer. The signed structural drawings shall be forwarded to the Authority, in duplicate within thirty days from the date these were forwarded by the Authority to its vetting Structure Engineer.
- c. In case the builder’s Structure Engineer and the vetting Structure Engineer working for the Authority do not reach a consensus, the builder’s Structure Engineer shall request the Authority to nominate another vetting structure engineer whose decision shall be final.
- d. Within 10 days of the receipt of the approval of the structural drawings from the vetting Structure Engineer working for the Authority, the competent Authority shall issue a formal sanction of the building plans.

10.3.5 Documents for installation of BTS / Towers / Antennas

- a. All cellular companies desirous to install BTS towers/ antennas etc in the city / rural areas of Punjab shall make an application to this effect to the Authority.
- b. The application for NOC for the installation of the communication tower shall be accompanied with the following documents:
 - i. Site plan of the proposed site
 - ii. Site details, whether to be installed on roof top / building premises or open plot.
 - iii. A copy of approved building plan in case the antenna / tower is to be installed on roof-top of the building.
 - iv. Structural stability certificate from a qualified Structural Engineer / Engineering Company registered with the Pakistan Engineering Council and countersigned by the Director concerned of the Mobile Telephone Company.
 - v. NOC from Civil Aviation Authority where ever required.
 - vi. Affidavit from the concerned owner of the property.
 - vii. Detailed design of the tower.
 - viii. Ownership proof.
 - ix. NIC copy of the owner.
 - x. NOC from EPA for that particular location for generator set only.

- xi. Director concerned of Mobile Company to furnish an affidavit stating the following:

“In case of any loss to life or property the concerned cellular company will be bound to pay Rs. 0.2 million (2 lacs) to each victim and make good any damage to any property.” A proper indemnity bond in favour of the approving authority will be provided by the concerned cellular company.

10.3.6 Location of Installation of BTS / Towers / Antennas

- a. The Authority may allow installation of antennas / towers on following properties:
 - i. Roof tops of private / Government / Semi Government etc.
 - ii. Water tanks.
 - iii. Disposal Works.
 - iv. Nook / Corners of other properties, which can not ordinarily be put to any productive use by local government authorities.
 - v. Redundant parts of parks. (Only after permission from the concerned authorities and areas which cannot be used for other activity).

10.4 Sanction/ Rejection of Building Plans

10.4.1 Sanction of Plan

Within 45 days of the receipt of an application for residential buildings along with required plans and documents as under section 10.2 and 10.3 and payment of scrutiny fee for permission to carry out building works. This Clause will not apply on the commercial buildings/Public Building Plans, time frame will 45-days shall applicable as an when owner/builders/developers will submit all the required NOCs such as TIA, EPA and NOC from WASA structural drawings vetted from approved Structural Engineer of LDA, parking agreement, approval from HLDC and Special Committee if required, the Development Authority shall:-

- a. Pass orders granting or refusing permission to carry out such building works and incase of refusal specify the provisions of the Building Regulations violated; or
- b. Require further details of the plans, documents, plan scrutiny fee, specifications and any other particulars to be submitted to it.
- c. Approved building plans for multi-storey buildings shall be released at the following three stages:
 - i. Basement up to plinth level.
 - ii. Up to 38 ft (11.58m) Building Height (During the inspection & processing period for release of building plan the owner may continue the construction upto ground floor as per plan under consideration for release.
 - iii. Above 38 ft (11.58m) Building Height.
- d. The sanction / approval letter shall be issued as per BR-16. The builder shall comply with all the conditions contained in the sanctioned letter as per building plans in addition to Building Regulations.
- e. Whereas in case of Mega Projects, plans for upper stages may be released considering the completion of work up to atleast 25% of released plans.
- f. In case of multistorey building, during processing of case for release of the subsequent floor plans above plinth level, the owner may continue the construction up to ground floor at his own risk and cost, strictly in accordance with plan under process for release.

Note:

(i) All NOCs for matters relating to the inside boundary of property, will be certified by the consultant who will take full responsibility.

(ii) In case of water supply, sewerage, drainage and rainwater harvesting within the property, WASA will place plans in record. However, the requirement of NOC already applicable will remain intact.

(iii) In case of fire safety, the plan will be send to Rescue-1122 for placement in record. The plans will also be send to Civil Defense Department for issuance of NOC. One of the member pointed out that NOC for firefighting is compulsory from Civil Defense Department under the provision of Civil Defense Act. The same will be checked and if is not required then the decision will be reviewed. A certified fire safety consultant/engineer will certify that plans are prepared as per prevailing safety codes and will supervise the installation work and provide certificate dully signed at time of submission of plan.

(iv) TEPA will be responsible to approve TIA excluding the parking standards given in these regulations.

g. Notwithstanding with above provisions, owner(s) may submit:

i. EIA/IEE report to the LDA which will be forwarded to EPA for issuance of NOC as per policy.

ii. Drawing/plan regarding water supply, sewerage & drainage plan, TIA report, fire safety plan which will be forwarded to concerned authorities i.e. WASA, TEPA, Civil Defence respectively.

h. The WASA and TEPA will be responsible to process the cases and issue NOC's within 20 days.

i. In case there are some observations by the agencies and the owner does not fulfill the requirements, the concerned agency (s) will be authorized to take legal actions against the owner.

j. After submission of the documents to the concerned agencies, the building plan may be issued provided others conditions under the building regulations are fulfilled.

k. In case the plan are released in phases, the town planning branch will check that relevant NOCs have been provided before release of plans for next phases.

l. For non hazardous warehouse, the requirement of NOC from EPA will not be applicable

10.4.2 Revoke of Sanction of Plans

The Authority permission to carry out building work or sanction of plan may be revoked/cancelled at any time after the grant of sanction. This shall only, when Development Authority finds:

- i. defective title of the applicant,
- ii. material misrepresentation, or
- iii. fraudulent or negligent statement contained in the application made under these building regulations. If the builder fails to satisfy the Authority within 07 days after having been served a show cause notice, any work done there under shall be deemed to have been done without permission. However the applicant shall have a right to appeal to the Authority within 15 days of the orders of cancellation.

10.4.3 Appeals Against Rejection and Revocation of Plan

Appeal against the rejection / revocation of a plan may be filed with the appellate body within 30 days of the rejection /revocation orders. The appellate body shall decide the matter within 30 days of the receipt of the appeal after granting personal hearing.

10.4.4 Commencement of Works of Multi-storey and Building of Public Assembly

In case of multi-storey and buildings of public assembly, the construction works shall not commence even if the building plan is sanctioned, until structural drawings are vetted from the structure engineer on penal of LDA are approved by the Development Authority.

10.4.5 Competent Authority for Sanction / Rejection of Building Plans

The Competent authority for sanction and rejection of building plans of various sizes and usages is as follows:

Land Use	Plan Sanctioning /Rejection Authority	Completion Certificate Issuing Authority
Residential		
Up to 7 Marlas	Assistant Director (Town Planning)	Deputy Director (Town Planning)
Above 7 marlas upto to 1 kanal	Deputy Director (Town Planning)	Director (Town Planning)
Above 1 kanal and farm houses	Director (Town Planning)	Director (Town Planning)
Apartments for the category of Low-Rise (upto 48 feet height) and Medium-Rise-I (height upto 90 feet)	Director (Town Planning)	Director (Town Planning)
Commercial Buildings upto Midrise-II		
Up to 10 Marlas	Deputy Director (Town Planning)	Director (Town Planning)
Above 10 Marlas	Director (Town Planning)	Director (Town Planning)
Multi-storey Buildings above Mid-Rise-II, Buildings of Public Assembly, Public Buildings and Apartment Buildings above Mid Rise-I		

All sizes	Chief Town Planner	Chief Town Planner
Industrial		
All sizes	Chief Town Planner	Chief Town Planner

10.5 Plan Scrutiny Committee

10.5.1

- a. Notwithstanding the provisions under 10.4.5 all building plans for apartment buildings, multi-storey buildings, buildings of public assembly, commercial buildings on more than two kanal plots and industrial on more than 4 kanal plots shall be scrutinized by a committee consisting of the following before sanction of the plans:
 - i. Director Town Planning
 - ii. Director Architect
- b. The completion certificate for the buildings mentioned at 10.5.1 (a) shall only be issued after the clearance of the committee constituted under 10.5.1(a).

10.5.2 Plan Scrutiny Committee for BTS / Towers / Antennas

The proposal shall be scrutinized by the following committee for approval:

DG / Director Town Planning	Chairman
An Engineer of the rank of SE / XEN	Member
Any other member to be nominated by the District Nazim	Member

10.6 High Level Design Committee (HLDC) / or Any Other Committee

Notwithstanding the provisions under 10.4.5 and 10.5 ,where ever High Level Design Committee / Any other committee is functioning all the building plans along the notified roads shall also be scrutinized by the HLDC / Any other Committee before sanction of building plan.

10.7 Validity of Sanctioned Plan

10.7.1

- a. In the case of Approved Schemes, the approval of building plans shall stand automatically revoked, after the expiry of the building period specified for the plot, or after three years of sanction whichever comes first.
- b. In all other areas the period of validity of a sanctioned plan shall be 3 years, for plot size up to 2 kanal and for plot above two kanal the maximum period will be 5 years.
- c. Fresh sanction along with fresh scrutiny fee shall be required after the expiry.

10.7.2 Validity of Permission for BTS / Towers / Antennas

Permission to install tower will be valid for 10 years initially, renewable for equal terms subsequently after due inspection by the concerned Authority.

10.8 Building Inspection During construction

10.8.1 Inspection of Buildings

The Development Authority may inspect such premises, without giving previous notice, through its authorized official / officer, at any time:-

- a. Before approval of an application received under Building Regulations.

- b. During execution of the building works.
- c. Before and after the receipt of the notice of completion or request for the certificate of completion with respect to any such buildings inspect such premises without giving prior notice.
- d. All inspections carried out shall be duly recorded with dates and detailed observations in respective files with stamp and signatures.
- e. The minimum visits by the Authority staff will be as follows:

Staff	Residential	Commercial	Multi storey
Assistant Director (Town Planning)	Twice a week	Weekly	Weekly
Deputy Director (Town Planning)	Fortnightly	Weekly	Weekly
Director (Town Planning)	Occasionally	Once in a month	Once in a Month

- f. All inspections carried out shall be duly recorded with dates and detailed observations in respective files with stamp and signatures.
- g. The Authority may reschedule the interval for site inspections according to the availability of field staff as per sanctioned strength.

h. (1) The Authority may outsource the field inspections to consultant/s. In such case the authorized field staff of the consultant/s shall be bound to submit detailed inspection reports in writing with date and signature on daily/weekly basis as the case may be.

(2) In case of completion certificate(s), the Architect / Town Planner / Consultant Registered with LDA are authorized the field inspection for the following buildings.

a. Residential Houses

All categories of residential houses.

b. Apartment, Commercial, Public , Industrial Buildings

Low rise building upto 50 feet height & plot size less than 1 kanal

(3) The Architect / Town Planner registered with LDA shall submit detail inspection report in writing to the LDA with date and signatures for issuance of completion certificate.

Criteria to sign-off completion certification of Buildings falling in the category of Low Rise Zone.

- i. Grant of permission to only Registered Architect(s)/ Town Planner(s).
- ii. Prior building plan sanctioned from LDA.
- iii. Each application for issuance of completion dully signed by the owner(s) shall also bear stamp, signature, and registration number of architect and town planner.
- iv. Architect, Town Planner will submit report using the typed performa containing the information alongwith the following documents:
 - a. Pay Order/Bank Draft of processing fee to be deposited in LDA Accounts
 - b. Site Sketch along with pictorial evidence duly signed.
 - c. Floor wise dimensions of existing building including mandatory side spaces
 - d. Difference of covered area as per site and as per approved plan
 - e. Changes in internal design w.r.t approved plan
 - f. Report about the present use of subject building along with verification that land use is not changed.
 - g. Proof of completion of building in the form of utility bills etc. If building period has been expired.

- h. NOC regarding Fire Frightening from Civil Defence (where applicable i.e Industrial Building, public building).
- i. In case of more than 25% design changes, owner will submit revised completion plan
- j. Penalty calculations

Processing

Upon receipt of report about completion of buildings, Town Planning Branch will check penalty estimates (if any) and issue demand notice for penalty. After payment of penalty fee, completion certificate will be issued within 7 days. If the competent authority shall not have passed orders granting or refusing permission within 7 days following the day on which all the necessary information has been furnished and all documents and particulars have been submitted, it shall be deemed to have been sanctioned to the extent of which it does not contravene the provisions of these building regulations, scheme provisions if any, and controlled area requirements as the case may be.

Monitoring on reports submitted by Registered Architects/ Town Planners

Town Planning branch may randomly verify reports from the Architects/Town Planner. In case any misreporting from the Architect/Town Planner is found, the LDA will be authorized to blacklist him/her. In this regard concerned Director Town Planning will issue 1st notice for written reply within 7 days and in case of unsatisfactory reply, second notice for personal hearing within 5 days before Director General, LDA. After hearing, Director General LDA will pass the orders to blacklist the respondent if found guilty. In case of non-reply within specified time, ex party decision can be made.

If any violation /misreporting is found, after issuance of completion certificate, competent authority shall have the powers to cancel the approval after giving show cause notice and affording chance of hearing. In case of non-reply ex party decision can be made.

Fee

Inspection fee amounting to Rs. 5000/- plus 3% of the penalty amount will be paid to the Registered Architect/Town Planner by the LDA after issuance of completion certificate.

(4) Explanation

The owner can submit the case/application for Completion Certificate through the registered Architect/Town Planner and if the owner does not want to submit through registered Architect/Town Planner, he/she can file application directly to the LDA.

It will apply to all old pending completion certificate applications along with new submissions.

10.8.2 Violation of Approved Plans

If on inspection under Building Regulations, the Authority finds that the Building Works:-

- a. Contravene any of the provisions of Building Regulations, any officer duly authorized in this behalf by the Authority may by written notice require the person carrying out building works within a period to be specified in such notice, either to:
 - i. make such alteration as shall be specified in such notice, with the objective of bringing the work in conformity with the said plans or provisions of these Regulations or
 - ii. To get amended plans approved after complying with the requirements of these Regulations.
- b. In the event of non-compliance with the requisition as made under these Regulations, any officer authorized by the Authority shall be competent to order in writing cessation of work

or order demolition of such construction contravening the provisions of these Regulations. The expenses thereof shall be paid by the builder.

- c. In addition the authorized officer shall file a report to the concerned police station for registration of case against the accused.

10.8.3 Construction in phases

1. In case the builder intends to construct the building in phases, the sequence of construction in phase duly numbered shall be indicated on the drawing. Moreover if the building consist of more than one block, the owner may opt in the form of first block (as upto plinth level, 38 feet and above), second block (as upto plinth level, 38 feet and above), and so on subject to validity of building period/sanctioned plan.
2. For the purpose of obtaining a completion certificate, the minimum area required to be completed in first phase shall be as specified below:-

a. Residential

Size/zone of Plot	Minimum Floor Area
2-Kanal (840 sqm) and above	1250 sft (116.19 sqm)
1-Kanal (420 sqm)	750 sft (69.71 sqm)
12-Marla (250 sqm)	450 sft (41.83 sqm)
10-Marla (210 sqm)	375 sft (34.86 sqm)
7-Marla (160 sqm)	350 sft (32.53 sqm)
05-Marla (105 sqm)	300 sft (27.88 sqm)
03-Marla (72 sqm)	250 sft (23.24 sqm)

Note: - Minimum floor area mentioned above shall include at least a habitable room, a latrine, bath room and a kitchen.

b. Commercial

Two floors excluding basement

10.8.4 Concrete mixing at site

Concrete mixing shall not be allowed at site for more than three storey buildings. The builder shall be required to arrange pre-mix concrete from a batching plant using dumpers for supply at site and mechanical concrete pumping for pouring concrete at site.

10.8.5 Safety Glass for Buildings

Safety laminated glass shall be used for all commercial buildings and buildings of public assembly on external faces.

10.8.6 Dumping of Construction Material

Construction material and debris including steel dumping and cutting shall not be allowed in the right of way of roads.

10.8.7 Disconnection of Services

In case of illegal construction and un-compoundable violation the Lahore Development Authority may get the utility services disconnected with the help of concerned agencies.

10.8.8 Rain Water

In order to prevent rain water from a plot flowing onto the road, an adequate grating shall be provided towards the road within the plot line.

10.8.9 Certificate During Construction for Multi-storey and Building of Public Assembly

- a. For multi-storey buildings and building of public assembly, the builder, the Architect, the Resident Engineer and the Structure Engineer shall jointly submit certificates as specified at Appendix-B at the following stages:
 - i. when construction up to plinth level is completed (BR-7)
 - ii. when construction up to 38ft (11.58m) level is completed (BR-8)
 - iii. upon completion of the building (BR-9)

10.8.10 Inspection Committee

On receipt of application from the builder along with the required certificate as above, a committee consisting of:

1. Director Town Planning and Deputy Director Town Planning shall visit the site and verify the construction done at site is as per sanctioned plans, designs/specifications before release of subsequent plans or completion certificate as the case may be.
2. The concerned Architect will remain present at site during the inspection and will also verify the construction done at site as per forms BR-7, BR-8 and BR-9.

10.9 Completion Certificate

10.9.1 Work Completion Notice

Every builder who carries out and completes building works as approved under Building Regulations shall within one month of the completion of the work deliver to the Authority notice in writing of such completion. In case of multi-storey buildings and buildings of public assembly the builder is required to submit a notice on BR-9 & BR-15 respectively. The builder shall comply with all the conditions/instructions provided in the completion certificate.

10.9.2 Inspection of Building Works

After receipt of the said notice, the Authority shall depute an official / officer to inspect such works and after such inspection either approve or disapprove the request for issuance of completion certificate or make such further orders as Authority may decide.

10.9.3 Issuance of Completion Certificate

- a. The Authority shall issue a completion certificate on completion of building works provided the work has been carried out according to the sanctioned plan. In case of deviations made therein during construction the completion certificate can only be issued if deviation are compoundable and are settled in advance in writing by an officer duly authorized by the Development Authority.
- b. In case completion of buildings on designated commercial plots in approved (private and regular LDA) housing schemes minimum structure should not be less than two storey i.e. Ground and First Floor excluding the basement.
- c. The completion certificate of Multi Storey building will be compulsory. The building period for plot upto 2 Kanal will be 3 years and for plots above 2 kanal the maximum period will be 5 years. In case of non-completion within specified time limit, fine at the rate of Rs. 5000 per day upto 1 year. After 1 year, at the rate of Rs.10,000/- and after 2 years at the rate of Rs. 20,000/- till the default continues. In LDA approved scheme valid building completion period will also be required.

- d. For multistory buildings other than house(s) & low-rise building(s), owner/sponsor will be required to provide insurance of the building from the registered Insurance Company at the time of issuance of certificate..

10.10 Fees and Penalties

10.10.1 Scrutiny Fee and Building Plan Approval Fee

- a. The Authority shall charge fee for the scrutiny of building plans required to be submitted under these Regulations and other matters arising during the scrutiny of plans or in course of its construction. Such fee to be known as the "Scrutiny Fee and Building Plan Approval Fee" at rates fixed by the Authority from time to time.
- b. The Authority may exempt the payment of Scrutiny Fee, for premises, which in the opinion of the Authority will be used for a religious, charitable or educational purpose allowed by the Government.

10.10.2 Fee for NOC of BTS / Tower / Antenna

The cellular companies will be charged one time NOC fee @ Rs. 20,000/- by the Authority in addition to prescribed building approval fee and no other fees will be charged in the name of approvals / NOCs / renewals. Government, however, may revise these rates as and when required.

10.10.3 Penalties and composition of offences

The Authority may compound and impose penalties for violation of the provision of these Regulations other than violations given in section 10.11.1 at such rates and in such manner as specified by the Authority from time to time.

10.11 Special Conditions

10.11.1 Non-compoundable Violations in Commercial Buildings

- a. Conversion of an approved parking area into any other use.
- b. Construction of Additional floors.
- c. Any construction in the mandatory open spaces including the setback to be left open at ground level in commercial/converted plot.
- d. Shortage of Car Parking provisions
- e. Building Height and basement violations in Main Civic and Commercial Centres including Divisional and District Centres above prescribed height limit.
- f. Conversion of areas provided under section 5.3.1.

10.11.1(A) Composition of Violations in Residential Buildings with full coverage in Front, Rear & Side Spaces

- a. In case of 100% coverage of front, side, and rear mandatory spaces, the Director Town Planning shall consider composition of mandatory open space violations in residential buildings after the approval of Chief Town Planner subject to provision of NOC from adjoining neighbours.

10.11.2 Safety and stability of Buildings

Every builder who carries out building works shall use sound building material, of good quality and properly put together so as to ensure safety and stability of the building and in accordance with Uniform Building Code, 1997, USA & International Building Code, 2006 or Building Code of Pakistan, 1986 till the revised Building Code are notified.

10.12 Relaxation/Interpretation and Delegation

10.12.1 Relaxation

- a. A Grievance Committee consisting of following members is constituted to recommend the cases for regularization of non-compoundable violations mentioned at clause 10.11.1 and upto max 10 % of the total covered area and other such matter on account of hardship basis subject to payment of fee and fines on production of relevant NOC from Rescue 1122, Civil Defense and certificate from professional PEC registered Structural Engineer.
 - i. Chief Town Planner, LDA (Convener)
 - ii. Director Town Planning-I (Member)
 - iii. Director Town Planning-II (Member)
 - iv. Director Town Planning-III (Member)
 - v. Director Town Planning-IV (Member)
- b. On the recommendation of the above committee, the Director General, LDA may grant approval about regularization of non-compounding violations.
- c. The penalty for non-compoundable coverage in commercial, institutional and industrial shall be applicable three times the prevailing penalty rates and for shortage of parking of cars @ the rate of Rs.300,000/- per car.
- d. If the non-compoundable violations increased from 10 %, the governing body may allow regularization while doing so sufficient reason in support thereof shall be recorded @ the penalty rate mentioned at (e) above.
- e. Governing Body may consult Plan Scrutiny Committee as at 10.5 or High Level Design Committee as at 10.6 before granting the relaxation under (b) above.
- f. The proposed Grievance Committee shall observe the following:
 - i. Meeting shall be held every 03-months
 - ii. One time composition of non-compoundable violations to the extent of 10 % area out of total covered area for cases existing prior to the notification of these regulations.
 - iii. One time composition of non-compoundable violations to the extent of 5 % area out of total covered area for cases occurring after the notification of these regulations.

10.12.2 Interpretation

Governing Body may take suitable decisions on any matters arising as a result of doubtful interpretation of Building Regulations or such matters, which may not have been specifically covered in them.

10.12.3 Delegation

The Authority may delegate all or any of the powers as laid down in Building Regulations to any of its officers for the purposes of their implementation.

10.12.4 Others

- a. Building Regulations shall be in addition to the requirements of any other law and regulations applicable.
- b. Special Regulations may be prepared by the Authority for areas like walled city, historically significant areas, flood plans, environmental sensitive areas, hilly areas and special areas such as Mall road and Governor House areas in Lahore. However, the overall format and sequence of model building regulations, shall not be changed and these additions shall be made at appropriate places.
- c. A standard performa BR-17 is provided for checking the required documents at the time of submission of building plan.

General Instructions:

- i. Paid challan of building plan fee shall be included in application checklist.
- ii. In complete application shall not be accepted.
- iii. The case will be processed as per regulations which were applicable on the date of submission of plan. However, the owner may opt for submission under new regulations if fulfils the criteria.
- iv. If plans are already sanctioned and revised plan are submitted, the FAR, Height, Coverage already approved will remain intact other than parking requirement, in case if it is affected by the prevailing regulations.

10.13 Timeline for Building plan approval

Residential Plots

- (a) Building plans of residential plots will be approved within 21 days in approved schemes and 30 days in controlled area. IF the plans are not sanctioned within prescribed time, the owner can start and raise the construction at site after payment of scrutiny fee provided the following condition are fulfilled:
- (b) Payment of penalty fee in case some violations/deviations already exist and are settled.
- (c) Submission of affidavit that he will raise the construction strictly as per submitted building plan and under prevailing regulations. In case of deviations, he will be bound to pay the penalty as per prevailing rates.

Commercial Plots in Low Rise Category (Upto 50 feet height and Plot Size Not more than 2

Kanal)

- (a) Building plans of commercial plots will be approved within 30 day. If the plans are not sanctioned within prescribed time, the owner can start and raise the construction at site after payment of scrutiny fee provided the following condition are fulfilled:
- (b) Payment of penalty fee in case some violations/deviations already exist and are settled.
- (c) Submission of affidavit that he will not make non compoundable violations and will raise the construction strictly as per submitted building plan and under prevailing regulations. In case of compoundable violations, he will be bound to pay the penalty as per prevailing rates and in case of non-compoundable violations , he will bound to remove/demolish the same

All other buildings (Apartment, Public Building, Multi Storey Building and Industrial etc)

- (a) Building plans will be approved within 45 day. If the plans are not sanctioned within 60 days, the owner can start and raise the construction at site after payment of scrutiny fee provided the following condition are fulfilled:
- (b) In case some violations/deviations already exist, the same are settled after payment of penalty.
- (c) The relevant documents for Fire frightening, structure drawings, rain water harvesting, TIA Report, IEE/EIA report, and other such reports are provided.

HEIGHT ZONES

11.1. Height Zones.– (1) The height zones are distributed as under :

- (a) Low Rise (Upto 48 feet);
- (b) Mid Rise-1 (Upto 90 feet);
- (c) (i) Mid Rise-2 (Upto 120 feet);
- (c) (ii) Mid Rise-2 (Upto 160ft for residential apartment);
- (d) High Rise-1 (Upto 200 feet);
- (e) High Rise-2 (Upto 300 feet);
- (f) Skyscraper (Above 300 feet)

(2) In each zone the height will be allowed upon fulfillment of minimum requirement of plot size, right of way and such other conditions contained in these regulations:

(3) In case the area of plot(s) falls in higher zone, the owner /developer is allowed to opt for any lower zone/category.

11.2. DECLARATION OF HIGH RISE ZONES

(1) Different zones in the area are hereby declared as follows.:

Sr. No.	Category	Maximum Height Zone subject to fulfilment of plot size and right of way
1	(a) Commercial plot (s) in Main Civic Centers of approved Housing Scheme/Converted Plot(s) of 12 kanals and above located on Roads with Minimum 80ft Right of Way.	Skyscraper (With No Height Limit) This zone will also accommodate Low Rise, Medium Rise-1, Medium Rise-2, High Rise-1, High Rise-2.
	(b) converted plot less than 12 Kanal	Low Rise (48 ft) Medium Rise-1 (Upto 90 ft) Medium Rise-2 (Upto 120 ft) High Rise-1 (Upto 200 ft) High Rise-2 (Upto 300 ft)
2	Main Civic and Commercial Centers And Central Business District (CBD)	Low Rise (48 ft) Medium Rise-1 (Upto 90 ft) Medium Rise-2 (Upto 120 ft)
3	Neighborhood Commercial Areas falling in Residential zone of the scheme which may be termed as Mohalla shops having plot size not more than 5 marla category.	Low Rise (48 ft)
4	Reclassified Sites/Area in Gulberg i. Commercial declared with height ii. Institutional declared with height 70 ft iii. Institutional declared with height 48 ft	i. High Rise-2 (Upto 300 ft) ii. Medium Rise-1 (Not more than 70 ft) iii. Low Rise (Not more than 50 ft)

5	Residential Plots	Low Rise (48 ft)
6	Residential Apartments	Low Rise (48 ft) Medium Rise-1 (Upto 90 ft) Medium Rise-2 (Upto 160 ft)
7	Apartment on non-converted residential site (Fall on declared commercial road only for residential purpose)	Low Rise (48 ft) Medium Rise-1 (Upto 90 ft) Medium Rise-2 (120 ft) High Rise-1 (Upto 200 ft) High Rise-2 (Upto 300 ft)
8	Public Buildings	Low Rise (48 ft) Medium Rise-1 (Upto 90 ft) Medium Rise-2 (120 ft)
9	Finance and Trade Centre, Johar Town	Skyscraper (With No Height Limit) read with special regulations contained in these regulations
10	Industrial Plots in approved Scheme	Medium Rise-1 (Upto 90 ft)
11	Industrial Plots in Built up area	Low Rise (upto 48 ft)

(2) Moreover, any zone may be raised to any higher height zone from time to time as per procedure and criteria laid in these regulations:

(3) **Construction of Apartments on Residential Plot of Private Housing Scheme**

- i. If the Sponsor wants to construct the Apartments on residential plot(s) in Private Housing Scheme, the sponsor will submit the written request to the Chief Metropolitan Planner, LDA for approval along with payment of scrutiny fee @ rate Rs. 20,000/.
- ii. The Director Metropolitan Planning will forward the case to the TEPA for Traffic Assessment of the area and give recommendations for improvement in traffic circulations and avoid congestion
- iii. The Chief Metropolitan Planner will forward the case to the WASA for Assessment of water supply and sewerage infrastructure capacity of the area and give recommendations for improvement of infrastructure
- iv. The Sponsors shall provide the undertaking to ensure the implementation of recommendations made by the concerned agencies for Approval.
- v. Upon fulfillment of requirements at serial (i-iv) above, Chief Metropolitan Planner may grant approval.
- vi. If sponsor fails to fulfill the recommendations then, his permission will be cancelled and penalty will be imposed on the rates as prescribed from time to time.

11.3. DECLARATION OF NEW ZONES

1. The Authority may prepare a height zone plan for an area to be known as height zone for High Rise, Medium Rise-1, Medium Rise-2, High Rise-1, High rise-2 for higher category of high rise to the declared category of high rise zones defined at 11.1
2. Height zones plan so prepared may comprise any one or more height zones.

11.3.1 Selection of Area for Height Zones:

(1). The Authority shall earmark boundaries of an area for preparing height zones and sub zones from time to time to meet the shortfall of housing or/ and lack of other facilities for commercial, public building and industrial.

11.3.2 Preparation of Plan for Height Zone:

(2). After selection of boundaries of zone, the Authority shall prepare a height zone plan with following criteria:

- (a) Earmarking the boundaries of the zone area;
- (b) undertaking studies/survey of the zone area, including:
 - (i) land use survey of the area;
 - (ii) documentation of the existing infrastructure and design capacity;
 - (iii) assessment of existing traffic volume and design capacity of the road network;
 - (iv) assessment regarding, traffic and transportation,
 - (v) assessment of existing water supply and sewerage design capacity;
 - (vi) Environmental Impact Assessment of the proposed height zone
- (c) Preparing proposed height zone plan.
After fulfilling the requirements at (b) above height zone plan will be prepared.

11.3.3 Public consultation:

- (a) The Authority shall:
 - (i) invite objections or suggestions by giving public notice about the draft zoning plan in at least two leading National Urdu and one National English newspapers;
 - (ii) arrange public hearing on a specified date, time and place; and
 - (iii) Maintain record of the proceedings for a minimum period of five years.
- (b) Director Town Planning shall prepare, sign and stamp the draft zoning plan.
- (c) The Chief Town Planner shall countersign the draft zoning plan.

(2) Approval:

- (a) After the preparation of zoning map, The Director General shall submit the draft Zoning Plan to the Authority for approval.

(3) Notification:

- (iv) The Chief Town shall sign and certify the approved zoning plan which will be submitted to Director General for signature and notification.

11.4 Redevelopment plan. – (1) After the notification of the zoning plan, the authority may prepare a redevelopment plan.

- (2) A redevelopment plan may include:
 - (a) Transportation plan for:

- (i) Improving and upgrading the road network, to accommodate the increased demand of the proposed land use within the available right of way;
 - (ii) Traffic management with detailed assessment and option analysis including traffic signals and intersection improvements;
 - (iii) Modification and addition of public transport routes;
 - (iv) Parking facilities including parking plazas to address the need of parking. etc.
 - (v) Pedestrian and cycling facilities, if required; and
 - (vi) Bus, taxi, rickshaw and Tanga parking.
- (b) utility services plan for:
- (i) Taking up matter with LESCO for up-gradation of electricity;
 - (ii) up-gradation of water supply, sewerage and storm water drainage facilities;
- (c) financial assessment plan including cost estimates and execution of development work in phases;
- (d) Implementation framework, including:
- (i) time schedule;
 - (ii) monitoring mechanism;
 - (iii) feedback mechanism; and
 - (iv) Completion report.

11.5 Declaration of High-rise zone in approved private housing scheme. – (1) Apart from the Authority, a sponsor of an approved scheme whether it is old or new scheme, if interested may also apply along with technically approved layout plan, for prevailing zone to higher category zone subject to the fulfilment of the requirements described as above.

CHAPTER-12

SPECIAL BUILDING REGULATIONS FOR FINANCE & TRADE CENTER LAHORE FOR PLOTS HAVING 2-KANAL UPTO 25-KANAL

Plot Size	2-Kanal to 4-Kanal	Above 4 Kanals to less than 25 Kanals
Height	As per Special Building Regulations of FTC	
Building Line	30-ft	30-ft
Rear	5-ft	15-ft
Ground Floor Coverage	60%	60%
Floor Area Ratio	1:8	1:8
Side space	7-ft (one sharing side)	10-ft (one sharing side)
Parking	As per already approved Special Building Regulations of FTC. The Entrance and Exit of the vehicle for parking in the building will be provided through 18 feet wide passage given in the layout plan at the back of the plots	As per already approved Special Building Regulations of FTC

SPECIAL BUILDING REGULATIONS FOR FINANCE & TRADE CENTER M.A, JOHAR TOWN, LAHORE FOR PLOTS HAVING 25 KANAL & ABOVE AREA

Plot Size	25-50 Kanals	Above 50-Kanals
Height	As per height fixed by the Civil Aviation Authority	
Building Line	40-ft	50-ft
Ground Floor Coverage	60%	60%
Rear	20-ft	30-ft
Both Side	20-ft	30-ft
Floor Area Ration	1:10	1:12

Note: Apart from Special Regulations, all other provisions of prevailing Building Regulations shall remain applicable

(APPENDIX-C)

BUILDING PLANS SCRUTINY FEE

The Lahore Development Authority shall charge fee for the scrutiny of building plan required to be submitted under these Building Regulations and other matters arising during the disposal of plans or in course of its construction, at rates specified as follows subject to revision from time to time.

Sr. No.	a) <u>Residential & Public Buildings Plots</u>	REVISED
i.	First & Revised Plans (on total covered area)	Rs.5/Sft Rs.53/Sq.M
ii.	Plan Revival Fee (For total covered area)	Rs.2/Sft Rs.22/Sq.M
iii.	Addition & Alteration Plan (on total covered)	50% of a(i) above
iv.	Change of side space	Rs.10,000/- upto 1-kanal area Rs.20,000/- for more than 1-kanal area
v.	Construction of gate and boundary wall	<u>IN APPROVED SCHEMES/PRIVATE HOUSING SCHEMES AND LDA AREA</u> <u>A) RESIDENTIAL</u> Rs.200 /Marla <u>b) Commercial/Industrial</u> Rs.500/marla

Sr. No.	b) <u>Commercial/ Office Plots</u>	REVISED
i.	First & Revised Plans (In respect of all sizes of plots) (on total covered area)	Rs.15/Sft Rs.162/Sq.M
ii.	Plan Revival Fee For total covered are	Rs.6/Sft Rs.65/Sq.M
iii.	Addition & Alteration Plan (In respect of all sizes of plots)	Rs.15/Sft Rs.162/Sq.M For the area being altered and added

iv.	Plan Copying fee (In respect of all sizes of plots)	Rs.25/Sft Rs.269/Sq.M
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Sr. No.	c) <u>Industrial Plots</u>	REVISED
i.	First & Revised Plans (For the total covered area)	Rs.15/Sft Rs.162/Sq.M
ii.	Plan Revival Fee (In respect of all sizes of plots). (For total covered are)	Rs.6/Sft Rs.65/Sq.M
iii.	Addition & Alteration plan	Rs.15/Sft Rs.162/Sq.M For the area being altered and added
iv.	Plan Copying fee (In respect of all sizes of plots)	Rs.25/Sft Rs.269/Sq.M

Sr. No.	d) <u>Sub-Division of Plots</u>	REVISED
	Sub-Division / Cancellation of Sub-Division Processing Fee.	Rs.5000/-
	i) <u>In approved Schemes</u> Residential Plots	Rs.50,000/- Per additional plot
	ii) In controlled area (where no scheme is approved)	
	<u>Residential</u>	
	i) Fee for every new plot created less than 10-marla.	Rs.10,000/- Per additional plot
	ii) Fee for every new plot created 10-Marla less than 1-Kanal	Rs.20,000/- Per additional plot
	iii) Fee for every new plot of 1-Kanal and above	Rs.50,000/- per additional plot

	<p><u>Commercial Land</u></p> <p>Commercialization Processing Fee.</p> <p>iv) Sub-division of commercial land will be allowed provided that minimum size of sub-divided plots shall not be less than 1-Kanal</p>	<p>Rs.10,000/-</p> <p>Rs.50,000/- per additional plot</p>
Sr. No.	e) Amalgamation of Plots	REVISED
i.	<p>Processing Fee</p> <p>Subject to provisions of LDA Building & Zoning Regulations and Punjab Private Housing Scheme I Land Sub-Division Rule-2010, amalgamation of plots may be allowed provided plots are owned by the same owner and are of the same land use for residential, converted plots, designated commercial plots and industrial plots. Moreover, on amalgamation the building regulation of original category/zone shall be followed for construction of new building.</p>	<p>Rs.5000/-</p> <p><u>Residential</u></p> <p>a. Upto-10 marla, Rs.10,000/- b. Upto 1-Kanal Rs.20,000/- c. Upto 2-Kanal Rs.30,000/- d. Above 2-kanal Rs.50,000/-</p> <p><u>Commercial</u></p> <p>a. Upto-10 marla, Rs.20,000/- b. Upto 1-Kanal Rs.50,000/- c. Upto 2-Kanal Rs.50,000/- d. Above 2-kanal Rs.100,000/-</p> <p><u>Industrial</u></p> <p>e. Upto-10 marla, Rs.20,000/- f. Upto 1-Kanal Rs.50,000/- g. Upto 2-Kanal Rs.50,000/- Above 2-kanal Rs.100,000/-</p>

Sr. No.	f) <u>Material Stacking Charges (Malba Fee)</u>	REVISED
i.	Residential	Rs.2/sqft of total covered area
ii.	Commercial/Public Building	Rs.5/sqft. Of total covered area

iii.	Industrial	Rs.5/sqft. Of total covered area
iv.	Completion processing Fee for residential buildings.	Rs.5000/-
v.	Completion processing fee for Commercial buildings.	Rs.10,000/-

Sr. No.	g) <u>Late Application Fee for issuance of Completion Certificates</u>	REVISED
i.	Residential	i) Departmental fee: Rs.2000 ii) 1st three years: Rs.2000/year iii) For subsequent years: Rs.3000/year
ii.	Commercial	Rs.10,000/year
iii.	Industrial	Rs.10,000/year

Sr. No.	h) <u>Extra Height Charges</u>	REVISED
i.	Commercial (converted plots)	Above 38-feet height @ Rs.60/sqft. of covered area
ii.	Industrial	N/A
Iii.	Apartments (converted plots)	Above 38-feet height @ Rs.100/sqft. of covered area (No Conversion Charges)

(APPENDIX-D)

PENALTY RATES FOR COMPOSITION VIOLATION OF BUILDING REGULATIONS

Sr. No.	<u>Residential</u>	REVISED
1	Un-authorized & illegal construction that forms and integral part of the authorized building but violate space regulations: a) On the ground Floor b) On the 1 st and subsequent floor c) In the basement	Rs.300/Sft Rs.3225/Sq.M Rs.450/Sqft Rs.4838/sqM Rs.300/Sft Rs.3225/Sq.M
2	Un-authorized construction that does not violate space regulation but is in excess of the limits prescribed for covered area. This clause shall not apply to multistory buildings a) On the ground. b) On 1 st & subsequent floors	Rs.272/Sq.M Rs.2925/Sq.M Rs.180/ Sqft Rs.1935/Sq.M
3	Un-authorized construction of inter floors in living rooms that reduce in whole or part of the minimum height prescribed for living rooms and not belonging to multi-story building	Rs.240/Sqft Rs.2580/Sq.M

	category.	
4	Un-authorized construction of inter floors or balconies in rooms meant for ancillary use that reduces in whole or part of the minimum height prescribed for such room and not belonging to multi storey building category	Rs.60/Sft Rs. 645/Sq.M
5.	Un-authorized construction of projections, sunshades cantilever or porch in excess of the prescribed limit of 3-feet for such projections.	Rs.120/Sft. Rs.1290/Sq.M
6	Construction of any form including excavation for construction prior to approval of building plan	Rs. 2000/- plus – of Rs.1000/-per day if offence is continued after service of Notice.
7	Un-authorized change in character or use of a building or part thereof from residential use to commercial or industrial or office use	Rs.1000/- if the offence is continued after service of Notice and if necessary demolition.
8	Un-authorized & illegal const. in excess of prescribed height limits	Rs.180/sft. Rs.1935.sft
9	Un-authorized & illegal const. of storeys or part of storeys in excess of the authorized number of storeys	Rs.452/Sft Rs.4859/sft.
10	<p>a. Construction Balcony (usable).</p> <p>b. Construction sun-shade (non-usable) in excess of 1.50 feet width.</p> <p>c. Mandatory open spaces at ground floor may be compounded on production of NOC from neighbor and if no complaint is existing. However, in case of full coverage composition shall not be allowed.</p>	Rs.250/- Sqft Rs.2688/- Sq.M Rs.150/- Sqft Rs.1613/- Sq.m Rs.300/Sft Rs.3225/Sq.M

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Sr. No.	<u>Commercial/ Institutional Building</u>	REVISED
11.	<p>Un-authorized & illegal construction that forms an integral part of the authorized building but in excess of the limits prescribed for covered area. :-</p> <p>a. On the ground floor & lower ground floor.</p> <p>b. Subsequent floors.</p> <p>c. Construction of any form including excavation for construction prior to approval of building plan.</p> <p>d. Unauthorized construction of inter-floors or balconies or galleries in shops that reduces in whole or part the minimum height prescribed for shops.</p> <p>e. Unauthorized reduction the width of a shop or shops in violation of the approved plan in order to increase the number of shops but without other space violations.</p> <p>f. Construction Balcony (usable).</p> <p>g. Construction sun-shade (non-usable) in access of 1.50 feet width.</p>	<p>Rs.904/Sqft</p> <p>Rs.9718/Sq.M</p> <p>Rs.600/sqft</p> <p>Rs.6450.Sq.M</p> <p>Rs.300/sft plus fine of Rs.1000/day</p> <p>Rs.360/sft</p> <p>Rs.3870/Sqm</p> <p>Rs.240/Sft</p> <p>Rs.2608/sqm of the floor area of the original shops shops</p> <p>Rs.500/- Sqft</p> <p>Rs.5375/- Sq.M</p> <p>Rs.250/- Sqft</p> <p>Rs.2688/- Sq.m</p>

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NOTE:

- a.** Demolition of un-authorized and illegal constructions that violates space regulations and does not form an integral part of the authorized building i.e. a construction may be attached to an authorized building and yet does not form an integral part of later. The test is whether the construction exists in an independent form and can be removed/demolished without any material effect on the authorized building. If the answer to this question is in the affirmative then the construction does not form an integral part of the authorized building.
- b.** All compositions for commercial/institutional buildings shall be subject to fulfillment of proportionate parking availability and submission of structural stability certificate.
- c.** In case where the owner does not apply for compounding the violations committed by him/her or fails to pay penalty at the prescribed rates plus composition fee, it shall be open to the Authority or any person authorized by it on its behalf to demolish the offending structure as provided under section 40 of the Lahore Development Authority Act, 1975.
- d.** In case where unauthorized construction is underway, it shall be demolished and if construction is continued/pending such decision after service of notice, a daily fine of Rs.1000 for residential building and Rs.5000 shall be imposed in addition to any other penalty/charges.
- e.** For composition of deviations a departmental fee of Rs.2000/- will be chargeable by the Authority.
- f.** For the Construction/commencement work in the commercial buildings/plots prior to approval all penalty rates shall be applied i.e. 11(a), 11(b) and 11(c).

BR-1

(Under Section 10.3.1-a)

APPLICATION FORM FOR NOTICE/PERMISSION TO BUILD

For Office Use Only

Application No

Date: / /

To,

The Director Town Planning (TP)

Sir/Madam,

I/We hereby apply for permission to execute the work of erecting/re-erecting a building of the following description of Plot no..... Of Scheme.....

The following papers accompany this application:

1. Title Documents
2. Site Plan (Five Copies)
3. Block Plan of the site (five copies)
4. Building Plan (five copies)
5. Specifications (in duplicate)

We undertake that construction will be done as per approved plans and in accordance with these Building Regulations.

Son of
Daughter of
Wife of
Widow of

.....
Signature of Applicant/ Builder

Correspondence Address:	
Phone:	
Date:	

.....
Signature of Registered Architect

Name of Registered Architect:	
Registration No. of Registered Architect:	
Address:	
Phone:	

BR-3

(To be submitted in duplicate with application BR-1 or BR-2)

FORM OF SPECIFICATIONS	
The materials and methods of construction to be used for external walls, party walls, foundations, roofs, staircases, bath rooms, fire places, chimneys and damp proof course shall be as per requirements of building code.	(A)
The purpose or purposes for which the building is intended to be used.	(B)
The number of Toilets, privies and urinals to be provided.	(C)
The manner in which the drainage of the premises will be disposed of	(D)
The number of persons likely to occupy the building	(E)
The number of storey, the building will consist of	
Whether the site has been built upon before or not. If so the date when previous building ceased to be fit for occupation and the date when sanction was previously given for erection or re-erection of the building and the property number.	(F)
A description of the alterations or additions proposed.	(ii)
The date of sanctions of the previous application, the plans and specifications of which are relied upon for obviating the need to submit full plans and specifications of whole building.	

Signature of the Applicant/Builder

Date: / /

BR-4

(To be submitted in duplicate with application BR-1 or BR-2)

DETAILS OF BUILDING SPECIFICATIONS	
<p>1. The material & methods of construction to be used for foundations, damp proof course, external walls, internal walls, roof, staircase and floors etc.</p>	<p><u>Foundations</u></p> <p><u>DPC</u></p> <p><u>External and Internal Walls</u></p> <p><u>Roof</u></p> <ul style="list-style-type: none"> • RCC Slab..... • RCB Roof • Steel Girder • Pre-cast slabs and pre-stressed girders • Second class roof consisting of bulties, rafters and tiles <p><u>Staircase</u></p> <p><u>Floors</u></p> <p><u>Joinery Works</u></p> <ul style="list-style-type: none"> • Wooden doors, windows, CSW • Steel doors, windows and CSW • <p><u>Beams/Columns</u></p> <ul style="list-style-type: none"> •
<p>2. The purpose for which the building is intended to be used.</p>	<p>Residential/ Commercial/ Industrial/ Other</p>

BR-2

(Under Section 10.3.1-a)

APPLICATION FORM FOR NOTICE/PERMISSION TO BUILD MULTI-STOREYED BUILDINGS AND BUILDINGS OF PUBLIC ASSEMBLY

To,
The Director Town Planning (TP)

Sir/Madam,
I/We hereby apply for permission to execute the work of erecting/re-erecting a building of the following description on Plot no..... Of Scheme.....

The following papers accompany this application:

- 1. Site Plan (Five Copies)
- 2. Building Plan (Five Copies)
- 3. Specifications (In Duplicate)
- 4. Title Documents
- 5. Structure Stability Certificate
- 6. An Undertaking Regarding Damages

We, the undersigned, hereby undertake that the design, construction and supervision shall be in accordance with the provisions of these Building Regulations.

.....	Consulting Engineer	Registered Architect
.....	PEC Registration No:	PCATP Registration No:
Owner			
Address:.....	Address:.....	Address:.....	
.....	
.....	

BR-5

(Under Section 10.3.2.f)

**UNDERTAKING ON STAMP PAPER OF PKR 1000 TO THE DIRECTOR TOWN PLANNING FOR
PAYMENT OF DAMAGES**

(To be submitted along with Plans and Documents)

To
The Director Town Planning

PROPOSED BUILDING:

(TITLE OF THE WORK)

PLOT NO: _____ AREA OF THE PLOT: _____

ADDRESS AND LOCATION OF PROPOSED BUILDING:

Sir,

I _____ D/o or S/o _____ the owner/builder do hereby declare and affirm that I would solely be responsible and I undertake to pay damages or make good if any damage is caused to life or limb of any person, adjoining properties or horticulture ad trees, gas lines, telecommunication lines (Telephones, cables etc.), Electricity Supply systems etc during the course of excavation for foundation or basements and construction of the building. I also undertake to completely indemnify the Authority and its employees in case of any such eventuality as mentioned above.

Name of the Owner/ Prospective Builders:	_____	Witness 1	_____
NIC No.	_____	Designation with BS	_____
Address:	_____	NIC No.	_____
	_____	Address	_____
	_____		_____
Tel. No	_____	Tel No.	_____
Signature	_____	Signature	_____
Date	_____	Date	_____
Witness 2	_____	Witness 3	_____
Designation with BS	_____	Designation with BS	_____
NIC No.	_____	NIC No.	_____
Address	_____	Address	_____
	_____		_____
Tel No.	_____	Tel No.	_____
Signature	_____	Signature	_____
Date	_____	Date	_____

BR-6

Under Section 10.3.3-e

STRUCTURAL STABILITY CERTIFICATE

(Certificate to be submitted with building application BR 1&2)

I Mr./Mrs. (Structure Engineer) hereby undertake as follows:

1. The structure of proposed building shall be designed by me in accordance with the provisions in these Building Regulations.
2. I shall carry out regular site inspections to see the quality of the material especially of steel and concrete to be used in the building.
3. I shall ensure testing of the structure during the course of construction through Resident Engineer and shall ensure the stability of the adjoining buildings / utility services / roads during digging for basement.
4. I shall submit the required certificates at the following stages along with consulting Architect and Resident Engineer:
 - a. Construction up to Plinth Level
 - b. Construction up to 38ft (11.58 m) Building Height
 - c. On completion of the construction

.....
Signature of Structure Engineer

Name of Structure Engineer	
Address	
PEC Registration License No.	

BR-6A

Under Section 10.3.3-e

FIRE-SAFETY CERTIFICATE CERTIFICATE

(Certificate to be submitted with building application BR 1&2)

I Mr/Mrs. (Structure Engineer) hereby undertake as follows:

1. The structure of proposed building shall be designed by me in accordance with the provisions in these Building Regulations.
2. I shall carry out regular site inspections to see the quality of the material especially of steel and concrete to be used in the building and installation of fire safety equipments.
3. I shall ensure testing of the fire safety equipments in the structure during the course of construction through Resident Engineer
4. I shall submit the required certificates at the following stages along with consulting Architect and Resident Engineer:
 - a. Construction up to Plinth Level
 - b. Construction up to 38ft (11.58 m) Building Height
 - c. On completion of the construction

.....

Signature of Fire Safety Engineer

Name : _____

Address: _____

PEC Registration License No. _____

BR-7
(Under Section 10.3.3-e)

STRUCTURAL STABILITY CERTIFICATE

(Certificate to be submitted upon completion of the Building up to plinth level)

I/we.....

.....hereby certify as following:

- a) That the structure of the building has been constructed upto plinth level as per sanctioned building plans.
- b) That the structure of the building has been completed upto plinth level as per approved structural designs & technical specifications.
- c) That testing of materials has been carried out in accordance with the provisions of the applicable codes.
- d) The construction has been done under our supervision as provided in the Regulations.

Builder's Signature with Date:	
Name:	
License No:	
Address:	

Architect's Signature with Date:	
Name:	
License No:	
Address:	

Structural Engineer's Signature with Date:	
Name:	
PEC Registration No:	
Address:	

Resident Engineer's Signature with Date:	
Name:	
PEC Registration No:	
Address:	

BR-8
(Under Section 10.3.3-e)

STRUCTURAL STABILITY CERTIFICATE

(Certificate to be submitted upon completion of the Building upto 38-feet Building Height)

I/we.....

.....hereby certify as following:

- a) That the structure of the building has been constructed upto 38-ft (11.58m) height as per sanctioned building plans.
- b) That the structure of the building has been completed upto 38-ft (11.58m) height as per approved structural designs & technical specifications.
- c) That testing of materials has been carried out in accordance with the provisions of the applicable codes.
- d) The construction has been done under our supervision as provided in these Regulations.

Builder's Signature with Date:	
Name:	
License No:	
Address:	

Architect's Signature with Date:	
Name:	
License No:	
Address:	

Structural Engineer's Signature with Date:	
Name:	
PEC Registration No:	
Address:	

Resident Engineer's Signature with Date:	
Name:	
PEC Registration No:	
Address:	

BR-9
(Under Section 10.3.3-c & 10.9)

STRUCTURAL STABILITY CERTIFICATE/COMPLETION NOTICES FOR MULTI-STOREY AND BUILDING OF PUBLIC ASSEMBLY

(Certificate to be submitted upon completion of the Building)

We hereby certify as follows:

a) That the construction of the building(s) at

.....
.....

.....has been supervised by us & has been completed

on.....as per sanctioned plans.

b) That the construction works have been completed to our satisfaction & that the workmanship & all the materials have been used strictly in accordance with the approved structural design & technical specifications.

c) That the construction has been done under our supervision & guidance & that the records of the supervision have been maintained.

d) That no provision of these Regulations has been violated.

e) That the building is fit for the purpose (s) for which it has been constructed.

Builder's Signature with Date:	
Name:	
License No:	
Address:	

Architect's Signature with Date:	
Name:	
License No:	
Address:	

Structure Engineer's Signature with Date:	
Name:	
PEC Registration No:	
Address:	

Resident Engineer's Signature with Date:	
Name:	
PEC Registration No:	
Address:	

BR-10
(Under Section 9.3.a-i)

CERTIFICATE FOR UNDERTAKING BY THE ARCHITECT ON RECORD

To
The Director Town Planning

Proposed Building:

(Title of the work)

Plot No:

Area of the Plot:

Address and location of proposed building:

Sir,

I am currently listed as Architect on Record with LDA and I am fully conversant with the Lahore Development Authority Building and Zoning Regulations.

I hereby certify that I have been appointed as the Architect on Record of the proposed building. I have verified the architectural design and specifications of the proposed building and certify that they comply with Lahore Development Authority Building and Zoning Regulations.

I fully understand that in case my certificate is found to be false, or if it is found that the architectural design and specifications of the proposed buildings is inconsistent with these Building Regulations or that I have not fulfilled my responsibilities as prescribed therein, the Authority shall be at liberty to penalize me as per the provisions of Lahore Development Authority Building and Zoning Regulations.

Name of the AOR:	
License No:	
Address:	
Tele No:	
Signature:	
Date:	

BR-11
(Under Section 9.3.2-ii)

CERTIFICATE FOR UNDERTAKING BY THE STRUCTURAL ENGINEER ON RECORD

To
The Director Town Planning

Proposed Building:

(Title of the work)

Plot No:

Area of the Plot:

Address and location of proposed building:

Sir,

I am currently listed as Structural Engineer on Record with LDA and I am fully conversant with the Lahore Development Authority Building and Zoning Regulations.

I hereby certify that I have been appointed as the Structural Engineer on Record of the proposed building.

I have verified the structural design and specification of the proposed building and certify that they comply with Lahore Development Authority Building and Zoning Regulations.

I fully understand that in case my certificate is found to be false, or if it is found that I have not fulfilled my responsibilities as prescribed in Lahore Development Authority Building and Zoning Regulation, the Authority shall be at liberty to penalize me as per the provisions of Lahore Development Authority Building and Zoning Regulations.

Name of the SEOR:	
License No:	
Address:	
Tele No:	
Signature:	
Date:	

BR-12
(Under Section 9.4)

CERTIFICATE FOR UNDERTAKING BY THE RESIDENT ENGINEER ON RECORD

To

The Director Town Planning

Proposed Building:

(Title of the work)

Plot No:

Area of the Plot:

Address and location of proposed building:

Sir,

I am currently listed as Resident Engineer on Record with LDA. I am fully conversant with the provision of Lahore Development Authority Building and Zoning Regulations.

I hereby certify that I have been appointed as the Resident Engineer on Record for the proposed building. I shall undertake all necessary measures, including but not limited to adequate inspection during construction, to ensure that the construction of the building is undertaken in accordance with the detailed design and specifications provided by _____

(name of the Architect on Record) and _____

(name of the Structural Engineer on Record), and, with the sanctioned design and specifications.

I fully understand that in case my certificate is found to be false, or if it is found that I have not fulfilled my responsibilities as prescribed in Lahore Development Authority Building & Zoning Regulation, Authority, shall be at liberty to penalize me as per the provisions of Lahore Development Authority Building and Zoning Regulations.

Name of the CEOR:	
PEC Reg. No:	
Address:	
Tele No:	
Signature:	
Date:	

BR-13

(Under Section 9.3-d, 9.4-b-viii and 9.5-e)

NOTICE TO THE DIRECTOR TOWN PLANING OF NON COMPLIANCE OF BUILDING TO SANCTIONED AND SPECIFICATIONSTO SANCTIONED AND SPECIFICATIONS

To

The Director Town Planning

Proposed Building:

(Title of the work)

Plot No:

Area of the Plot:

Address and location of proposed building:

Sir,

I am currently listed as _____ (Builder's Consultant, Resident Engineer and Contractor) on Record with LDA. I have been appointed as _____ (Builder's Consultant, Resident Engineer and Contractor) on Record for the proposed building.

This is to bring to your notice that construction of the building is not being undertaken in accordance with the sanctioned design and specifications and/or with Lahore Development Authority Building and Zoning Regulations. Details of non-compliance are as follows:

1. _____
2. _____

Name of the _____ on Record	
License No./Reg. No.	
Address:	
Tele No:	
Signature:	
Date:	

BR-14
(Under Section 9.2-d)

NOTICE TO THE DIRECTOR TOWN PLANING OF DISCONTINUATION OF PERSON ON RECORD

To

The Director Town Planning

Proposed Building:

(Title of the work)

Plot No:

Area of the Plot:

Address and location of proposed building:

Sir,

This is to bring to your notice that I have been relieved of my responsibility/have relieved myself of my responsibility as _____ (Builder's Constructions, Resident Engineer and Contractor) on Record for the proposed building, with effect from _____ (date).

I wish to place on record that with effect from the said date, I shall neither be associated with this building nor be responsible for its compliance to the sanctioned design and specifications and to the Lahore Development Authority Building and Zoning Regulations.

Name of the _____ on Record	
License No./Reg. No.	
Address:	
Tele No:	
Signature:	
Date:	

BR-15
(Under Section 10.9)

NOTICE TO THE DIRECTOR TOWN PLANING FOR COMPLETION CERTIFICATE FOR UPTO 3 STOREY BUILDINGS

To

The Director Town Planning

Sir,

I/We hereby apply for completion for building.

(Title of the work)

Plot No:

Area of the Plot:

Address of building:

I/We undertake that construction is done in accordance with Lahore Development Authority Building and Zoning Regulations and as per Approved Plans No. _____ dated _____

Signature of applicant/builder

Son of
Daughter of
Wife of
Widow of

|

Correspondence Address:	
Phone:	
Date:	

BR-17
CHECK LIST FOR BUILDING PLANS/DOCUMENTS

	Yes	NO
1. Application form BR-1/ BR-2, BR-3, BR_4		
2. Ownership Documents		
i. Sale Deed		
ii. Registry		
iii. Allotment Letter		
iv. Intiqal		
v. Aks Shajra		
3. Power of attorney/ authority letter		
4. Copy of National Identity Card		
5. Signature of owners on forms/plans		
6. Undertaking for damages (BR-5)		
7. Structure stability certificate, if applicable		
8. NOC from EPA, if applicable		
9. TIA from Traffic Engineering and Planning agency (TEPA)		
10. Proposed use of building is permissible		
11. Required copies of building plans along with copy on cloth		
12. Sign. Stamp of architect on forms and plans		
13. Sign, stamp of structure engineer, if applicable		
14. Other documents		

Plans/ Documents Received on	
Name of Receiving Official	
Designation:	
Signature	

DIRECTOR (C&I)
LAHORE DEVELOPMENT AUTHORITY,
LAHORE