# Directorate of Municipal Administration, Government of Odisha

Implementation of an Integrated e-Governance Solution across all Urban Local Bodies of Odisha

# Drawing Manual – Online Building Permission System

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# 1. Introduction

## 1.1. Background

The Housing & Urban Development Department (H&UDD), Government of Odisha has ambitious plans to scale up e-governance across 113 Urban Local Bodies (ULBs) in the State of Odisha. It aims to enhance the citizen experience of public services by providing integrated, end-to-end services using a comprehensive State-wide Service Delivery Infrastructure. Online Building Permission System (OBPS) is one of the focus areas for the H&UDD to help all stakeholders and citizen get building plan approvals through end to end automation of the processes involved.

Online Building Permission System (OBPS) envisages complete automation of all processes related to building approval at Odisha. The building approval process involves private architects submitting building plans as per the approved byelaws of the state of Odisha. The building plan submission follows series of departmental approvals and NOCs from pre-defined departments in line with the byelaws of Odisha. All the processes and steps including calculation of fee, payment of fee, receipt of approval for the permission and certificates etc would be delivered online through an integrated one stop solution. Citizen would not be required to visit any of the external departments such as AAI, NMA, Fire etc for NOCs as the solution has the potential to bring integrated experience.

DIGIT - Online Building Permission System (OBPS) shall enable local government to bring in transparency, accountability and time-bound service for the public. With DIGIT - OBPS, professionals like architects, engineers, supervisors can seek permission for construction of a building for any Urban Local Body / District Town and Country Planning / Centre for Municipal Administration with a speedy, hassle-free and user-friendly procedure, online.

## 1.2. Salient features of OBPS solution Odisha

- Software based verification of building plans and details, for compliance with the various regulations. defined in Odisha bye-laws.
- An overall transformation in the concept of conventional plan scrutiny process.
- Minimizes the human interventions in plan scrutiny.
- Facilitate online approvals of building permit and Occupancy certificate applications.
- Improved transparency in the building permit process.
- Better precision in interpretations of the various rules.
- Facility for checking conformity with the rules of the plans and details prior to official submission.
- Only the rule complied plans and details can be officially submitted for permit application.

# 2. Guidelines for preparation of drawings

## 2.1. General guidelines

- All drawings shall be drawn in 1:1 scale, in meter, in model space.
- All required details as per this guideline shall be submitted in a single drawing, drawn in model space.
- The drawing shall be saved in .dxf format and to be uploaded for the rule validation.
- Detailed drawings (Floor plan, elevations, sections, site plan etc.) incorporating all specifics as per guidelines mentioned on Bye-laws and documents listed in the OBPS portal, set to scale and paper size specified in the guidelines in pdf format. These pdf files are to be separately uploaded after .dxf file scrutiny.
- The drawings shall be prepared by matching the various entries in the drawings with the properties of layers of the supplied layer matrix.
- The layer template file, which can be downloaded along with these guidelines, contains all the layers which are used by the system and can be made use while creating .dxf. drawings required for rule validation.
- Wherever details are to be furnished as dimensions, these are to be incorporated using dimension tools, and shall not be exploded/edited.
- Wherever one or more polygons/ dimensions/ lines/ depicting different parameters are required to overlap, it shall be ensured that, no gaps/ spaces are left in between.
- The use of layers/ Texts/ colour conventions specified by these guidelines to designate a parameter shall be restricted to that entity only and shall not be used elsewhere in the drawing.
- The drawing may get aborted if it does not adhere to the guidelines mentioned in the document.

## 2.2. Drawing Preparation Format to be followed

- All details shall be furnished using closed polygon with polylines, lines, texts, dimensions etc. to be incorporated in layers, index colors as specified in this guideline.

- It is instructed to the architects to keep all the layers and details in the drawing as per ODA Bye Laws standards. Over and above this, prepare drawing for features scrutiny in dxf format as per this drawing manual. The layers drawn for Auto Scrutiny should be drawn overlaid/Superimposed on top of the base drawing. It is recommended to freeze the layers that may not be relevant while preparation of drawing.

## 2.3. Unit Settings in Drawing

System accepts drawing in unit - **Meter**
Put drawing unit length type - **Decimal**
Put drawing unit angle type – **Decimal Degrees**
Put dimension style unit formal - **Decimal**
Use precision – **0.00**

**Deviation from above mentioned settings will get the drawing rejected by the scrutiny system.**

# 2.4. Layers for drawing preparation

| S.No | Feature | Layer Name | Drawing guidelines | Layer Code | Drawing Requirement |
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| **Layers to be drawn on the site plan** | | | | | |
| **1** | Plot area | PLOT_BOUNDARY | Draw as Polygon around the plot boundary | 70 | Mandatory as per rule |
| **2** | Ground Coverage area | BLK_n_COVERED_AREA | Draw as Polygon around the coverage area | 140 | Mandatory as per rule |
| | | BLK_n_COVERED_AREA_DEDUCT | Draw as Polygon around the area for coverage deduction | 140 | Mandatory as per rule |
| **3** | Building Footprint | BLK_n_LVL_n_BLDG_FOOT_PRINT | Draw as closed polygon, using poly line on site plan. Polygon shall outline the building area. | As per Sub - Occupancy type | Mandatory as per rule |
| **4** | Setbacks Front | BLK_n_LVL_n_FRONT_SETBACK | Draw as closed polygon, using poly line on site plan. Polygon shall be touching the corners of Building Footprint Layer and Plot Area Layer | 2 | Mandatory as per rule |
| **5** | Setbacks Rear | BLK_n_LVL_n_REAR_SETBACK | Draw as closed polygon, using poly line on site plan. Polygon shall be touching the corners of Building Footprint Layer and Plot Area Layer | 11 | Mandatory as per rule |
| **6** | Setbacks Left | BLK_1_LVL_0_SIDE_SETBACK1 | Draw as closed polygon, using poly line on site plan. Polygon shall be touching the corners of Building Footprint Layer and Plot Area Layer | 171 | Mandatory as per rule |
| **7** | Setbacks Right | BLK_1_LVL_0_SIDE_SETBACK2 | Draw as closed polygon, using poly line on site plan. Polygon shall be touching the corners of Building Footprint Layer and Plot Area Layer | 102 | Mandatory as per rule |
| **8** | Open Space between buildings | DIST_BETWEEN_BLK_n_BLK_n | Draw dimension between Two Building Blocks | 7 | Mandatory as per rule |
| **9** | Plantation Tree Count | PLANTATION_TREECOVER | Draw polygon for Trees Cut | 1 | Mandatory as per rule |
| | | | Draw polygon for Existing Trees | 2 | Mandatory as per rule |
| | | | Draw polygon for Planted Trees | 3 | Mandatory as per rule |
| **10** | Plantation Green Strip | BLK_n_PLANTATION_GREENSTRIP | Draw polygon around open green area | 7 | Mandatory as per rule |

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| **11** | Rainwater harvesting system | RWH | Draw polygon around the tank | 4 | Mandatory as per rule |
| | | | Add text for Rainwater Harvesting tank (using Mtext) capacity = RWH_CAPACITY_L=n | 4 | Mandatory as per rule |
| **12** | Recharge Pit | SITE_COMPONENTS | -Draw polygon around the Recharge Pit<br>-Draw Dimension of Height of Recharge Pit | 1 | Mandatory as per rule |
| **13** | Electric Lines | OHEL_n | Draw Polyline over Electric Line | 7 | Optional as per design |
| | | VOLTAGE_n | Add text for Voltage in KV (using Mtext) = VOLTAGE_KV=n | 7 | Optional as per design |
| | | HORIZ_CLEAR_OHEL_n | Draw Horizontal dimension between Building Block and Electric Line | 7 | Optional as per design |
| **14** | Treatment Plant | WATER_TREATMENT_PLANT | Draw polygon around the water treatment plant (WTP) | 1 | Mandatory as per rule |
| | | | Draw polygon around the Sewage treatment plant (STP) | 2 | Mandatory as per rule |
| **15** | Waste Water Treatment | SITE_COMPONENTS | -Draw polygon around the Septic Tank | 2 | Mandatory as per rule |
| | | | -Draw polygon around sewage treatment plant | 3 | |
| **15** | Parking Type | OPEN_PARKING | Draw Polygon over **Open Parking** | 7 | Optional as per design |
| | | BLK_n_FLR_n_COVERED_PARKING | Draw Polygon over **Basement Parking** | 7 | Optional as per design |
| | | SPECIAL_PARKING | Draw Polygon over **Stilt Parking** | 3 | Optional as per design |
| | | SPECIAL_PARKING | Draw Polygon over **Roof top parking** | 4 | Optional as per design |
| | | STACK_PARKING | Draw Polygon over **stack parking** | 7 | Optional as per design |
| **16** | Parking Provision | VISITOR_PARKING | Draw Polygon over **Visitor Parking** space | 7 | Optional as per design |
| | | SPECIAL_PARKING | Draw Polygon over **Staff Parking** Space | 5 | Optional as per design |
| | | TWO_WHEELER_PARKING | Draw Polygon over **Two Wheeler Parking** Space | 1 | Optional as per design |
| | | TWO_WHEELER_PARKING | Draw Polygon over **Bicycle Parking** Space | 2 | Optional as per design |
| | | SPECIAL_PARKING | Draw Polygon over **EWS/LIG Parking** Space | 1 | Optional as per design |
| | | SPECIAL_PARKING | Draw Polygon over **MIG Parking** Space | 2 | Optional as per design |
| **17** | Special Parking | DA parking | Draw Polygon over **DA Parking** Space | 7 | Mandatory as per rule |

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| | (Disabled Parking) | | | | |
| **18** | North Direction | NORTH_DIRECTION | -Draw North Direction Symbol using Polyline -and add NORTH in Mtext | 7 | Mandatory as per rule |
| **19** | Amenity in Open Space | ACCBLK_1 | Draw polygon around Amenity in Open Space Block | 7 | Optional as per design |
| | | ACCBLK_n_UNIT_n | **Guard Room** Draw polygon around Guard Room | 1 | Optional as per design |
| | | | **Electric Cabin** Draw polygon around Electric Cabin | 2 | |
| | | | **Sub-Station** Draw polygon around Sub-Station | 3 | |
| | | | **Area for Generator** Draw polygon around Area for Generator Set | 4 | |
| | | | **ATM** Draw polygon around ATM | 5 | |
| | | | **Other Amenity** Draw polygon around Other Amenity | 6 | |
| **20** | Vehicular access within Site | BLK_n_FIRE_TENDER_MOVEMENT | Draw as polygon on access road within site for each building block | 7 | Mandatory as per rule |
| **21** | Road/Drain widening | AFFECTED_LAND_AREA | **CDP proposed drain affected area** Draw polygon and Width dimension on site plan outlining the affected area | 2 | Optional as per design |
| | | | **Proposed road affected area** Draw polygon and Width dimension on site plan outlining the affected area | 3 | Optional as per design |
| | | | **CDP proposed road affected area** Draw polygon and Width dimension on site plan outlining the affected area | 4 | Optional as per design |
| | | | **Road widening affected area** Draw polygon and Width dimension on site plan outlining the affected area | 5 | Optional as per design |
| | | | **Area left for restricted area** Draw polygon on site plan outlining the affected area | 6 | Optional as per design |
| **Layers to be drawn on the Floor Plans** | | | | | |

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| **1** | FAR (Proposed Construction ) | BLK_n_FLR_n_BLT_UP_AREA | Draw as polygon on each floor outlining build up area | As per Sub - Occupancy type | Mandatory as per rule |
| | | BLK_n_FLR_n_BLT_UP_AREA_DEDUCT | Draw as polygon on each floor outlining build up area for FAR deduction | As per Sub - Occupancy type | Mandatory as per rule |
| | | BLK_n_FLR_n_BLT_UP_AREA_ADD | Draw as polygon on basement floor for FAR Add | As per Sub - Occupancy type | Mandatory as per rule |
| **2** | FAR (Existing Construction ) : For Addition & Alteration service only | BLK_n_FLR_n_BLT_UP_AREA_EXISTING | Draw as polygon on each floor outlining existing build up area | As per Sub - Occupancy type | Mandatory as per rule |
| | | BLK_n_FLR_n_BLT_UP_AREA_DEDUCT_EXISTING | Draw as polygon on each floor outlining existing build up area for FAR deduction | As per Sub - Occupancy type | Mandatory as per rule |
| | | BLK_n_FLR_n_BLT_UP_AREA_ADD_EXISTING | Draw as polygon on existing basement floor for FAR Add | As per Sub - Occupancy type | Mandatory as per rule |
| **3** | Approved Existing Construction : For Addition & Alteration service only | BLK_n_FLR_n_APPROVED_CONSTRUCTION | Draw as polygon on each floor outlining approved existing area | As per Sub - Occupancy type | Mandatory as per rule |
| **4** | Demolition Area : For Addition & Alteration service only | BLK_n_FLR_n_DEMOLITION_AREA | Draw as polygon on each floor outlining demolition area | 7 | Optional as per design |
| **5** | Carpet Area | BLK_n_FLR_n_CARPET_AREA | Draw carpet area of each floor using polygon | As per Sub - Occupancy type | Mandatory as per rule |
| | | BLK_n_FLR_n_CRPT_AREA_DEDUCT | Draw carpet area of each floor using polygon | As per Sub - Occupancy type | Mandatory as per rule |
| **6** | Roof Area | BLK_n_FLR_n_ROOF_AREA | Draw as polygon outlining Roof area | 7 | Mandatory as per rule |
| **7** | Typical Floors | BLK_n_FLR_n_BLT_UP_AREA | Denote all the typical floors in a building block in Mtext - TYPICAL_FLOOR_PLAN=1,2,n | As per Sub-occupancy type | Optional as per design |

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| **8** | General Staircase | BLK_n_FLR_n_STAIR_n | Draw Polygon around staircase layout | 7 | Mandatory as per rule |
| | | | Add floor height in same layer with MText - FLR_HT_M=n | 7 | Mandatory as per rule |
| | | BLK_n_FLR_n_STAIR_n_FLIGHT_n | Draw Polygon around each flight in staircase | 7 | Mandatory as per rule |
| | | | Dimension for flight length | 1 | Mandatory as per rule |
| | | | Dimension for flight width | 2 | Mandatory as per rule |
| | | | Number of rises by drawing lines | 3 | Mandatory as per rule |
| | | BLK_n_FLR_n_STAIR_n_LANDING_n | Polygon around each landing | 7 | Mandatory as per rule |
| | | | Dimension for flight length | 1 | Mandatory as per rule |
| | | | Dimension for flight width | 2 | Mandatory as per rule |
| **9** | Dwelling Units | BLK_n_FLR_n_UNITFA | Draw as polygon on each **EWS Dwelling Unit** | 1 | Optional as per design |
| | | | Draw as polygon on each **LIG Dwelling Unit** | 2 | Optional as per design |
| | | | Draw as polygon on each **MIG 1 Dwelling Unit** | 3 | Optional as per design |
| | | | Draw as polygon on each **MIG 2 Dwelling Unit** | 4 | Optional as per design |
| | | | Draw as polygon on each **Other Category of Dwelling Unit** | 5 | Optional as per design |
| | | | Draw as polygon on each **Room Unit** | 6 | Optional as per design |
| **10** | Exit Travel Distance | DIST_EXIT | Multiple Dimensions for Maximum Travel Distance | 7 | Mandatory as per rule |
| **11** | Exit Width Staircase | BLK_n_FLR_n_EXIT_WIDTH_STAIR | Dimension for Staircase Exit width | 7 | Mandatory as per rule |
| **12** | DA Ramp | BLK_n_DA_RAMP_n | Draw polygon around DA Ramp | 7 | Mandatory as per rule |
| | | | Add Slope in same layer with Mtext - SLOPE=1IN8 | 7 | Mandatory as per rule |
| **13** | Vehicular Ramp | BLK_n_FLR_n_VEHICLERAMP_n | **LMV 1 Way**<br>-Draw polygon around Vehicular Ramp<br>-Add Slope in same layer with Mtext - SLOPE=1IN8 | 1 | Optional as per design |
| | | | **LMV - 2 Way**<br>-Draw polygon around Vehicular Ramp<br>-Add Slope in same layer with Mtext - SLOPE=1IN8 | 2 | Optional as per design |

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| | | | **LCV - 1 way**<br>-Draw polygon around Vehicular Ramp<br>-Add Slope in same layer with Mtext - SLOPE=1IN8 | 3 | Optional as per design |
| | | | **LCV - 2 way**<br>-Draw polygon around Vehicular Ramp<br>-Add Slope in same layer with Mtext - SLOPE=1IN8 | 4 | Optional as per design |
| | | | **HMV - 1 way**<br>-Draw polygon around Vehicular Ramp<br>-Add Slope in same layer with Mtext - SLOPE=1IN8 | 5 | Optional as per design |
| | | | **HMV - 2 way**<br>-Draw polygon around Vehicular Ramp<br>-Add Slope in same layer with Mtext - SLOPE=1IN8 | 6 | Optional as per design |
| | | | **Fire tender**<br>-Draw polygon around Vehicular Ramp<br>-Add Slope in same layer with Mtext - SLOPE=1IN10 | 8 | Optional as per design |
| **14** | Interior open space | BLK_n_FLR_n_COURTYARD_INNER | Draw polygon around interior open space on each floor | 7 | Mandatory as per rule |
| **15** | Light and Ventilation | BLK_n_FLR_n_ROOM_n_LIGHT_VENTILATION_n | Draw polygon with dimension of window on the floor plan | RGB 19,155,72 | Mandatory where habitable room (Naturally Ventilated) is provided |
| **16** | Solar photo voltaic Panels | SOLAR_PANEL | Draw polygon outlining Solar Panels to mention location and provide Generation capacity in Plan Info | 3 | Mandatory as per rule |
| **17** | Solar water heating system | SOLAR_WATER_HEATER | Draw polygon outlining Solar Water Heater to mention location and provide capacity in LPD in Plan Info | 7 | Mandatory as per rule |
| **18** | Lifts | BLK_n_FLR_n_LIFT_n | **General Lift**<br>Draw polygon to mark lift location | 1 | Mandatory as per rule |
| | | | **Lift for Physically Disabled**<br>Draw polygon to mark lift location | 2 | Mandatory as per rule |
| | | | **Car Lift**<br>Draw polygon to mark lift location | 3 | Optional as per design |
| **19** | Owner's Society Office | BLK_1_FLR_0_UNITFA | Draw as polygon for Owner's Society Office | 8 | Mandatory as per rule |

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| **20** | Outhouse | BLK_n_FLR_n_BLT_UP_AREA | Draw as polygon on floor outlining build up area of the outhouse block | 100 | Optional as per design |
| **21** | Public Washroom Complex | BLK_n_FLR_n_BLT_UP_AREA | Draw as polygon on floor outlining build up area of the Public Washroom Complex block | 101 | Mandatory as per rule |
| **22** | Wash Basin | BLK_n_FLR_n_WASH | Draw a polygon on wash basin of public washroom complex. | 7 | Mandatory as per rule |
| **23** | Chajja/Projections over setback | BLK_n_FLR_n_CHAJJA | Draw as polygon on each floor outlining Chajja/Projections | 7 | Optional as per design |
| **24** | Water Closet | BLK_n_FLR_n_WATER_CLOSET | Draw as polygon for Common Water closet | 3 | Mandatory as per rule |
| | | | Draw as polygon for Female Water closet | 2 | Mandatory as per rule |
| | | | Draw as polygon for Male Water closet | 1 | Mandatory as per rule |
| **25** | Urinals | BLK_n_FLR_n_URINAL | Draw as polygon for Male Urinal | 1 | Mandatory as per rule |
| **26** | Bath | BLK_n_FLR_n_BATH | Draw as polygon for Common Bath | 3 | Mandatory as per rule |
| | | | Draw as polygon for Female Bath | 2 | Mandatory as per rule |
| | | | Draw as polygon for Male Bath | 1 | Mandatory as per rule |
| **27** | Toilet | BLK_n_FLR_n_WC_BATH | Draw as polygon for Common Toilet | 3 | Mandatory as per rule |
| | | | Draw as polygon for Female Toilet | 2 | Mandatory as per rule |
| | | | Draw as polygon for Male Toilet | 1 | Mandatory as per rule |
| **28** | Disabled Toilet | BLK_n_FLR_n_SP_WC | Draw as polygon for Common Disabled Toilet | 3 | Mandatory as per rule |
| | | | Draw as polygon for Female Disabled Toilet | 2 | Mandatory as per rule |
| | | | Draw as polygon for Male Disabled Toilet | 1 | Mandatory as per rule |
| **29** | Doorways | BLK_n_FLR_n_EXIT_WIDTH_DOOR | Draw Dimension for General Door/Entrance Door Width on each floor | 1 | Mandatory as per rule |
| | | | Draw Dimension for Bathrooms, water closet and stores Door width | 2 | Mandatory as per rule |
| | | | Draw Dimension for Fire Door width | 3 | Mandatory as per rule |

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| | | | Draw Dimension for Disabled Access Door width | 4 | Mandatory as per rule |
| **Layers to be drawn on the Floor Plans and Sectional Elevations** | | | | | |
| **1** | Passageways & Corridors | PASSAGE | Draw Dimension for Passage/Corridor height in Sectional Elevation | 1 | Optional as per design |
| | | | Draw Dimension for width of Passage/Corridor on Floor Plan | 2 | Optional as per design |
| | | PASSAGE_DOUBLELOADED | Draw Dimension for width of Double loaded Passage/Corridor on Floor Plan | 2 | Optional as per design |
| **2** | Regular Room | BLK_n_FLR_n_REGULAR_ROOM_n | **Habitable Room (Naturally Ventilated)**<br>Draw polygon for each room on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 1 | Optional as per design |
| | | | **Habitable Room (Mechanically Ventilated)**<br>Draw polygon for each Room on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 2 | Optional as per design |
| | | | **Study Room**<br><br>Draw polygon for Study Room on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 3 | Optional as per design |
| | | | **Library Room**<br><br>Draw polygon for library Room on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 4 | Optional as per design |
| | | | **Game Room**<br><br>Draw polygon for Game Room on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 5 | Optional as per design |

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| | | | **CCTV Room**<br><br>Draw polygon for CCTV Room on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 28 | Optional as per design |
| | | | **Service Room**<br><br>Draw polygon for Service Room on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 29 | Optional as per design |
| | | | **MEP Room**<br><br>Draw polygon for MEP Room on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 30 | Optional as per design |
| | | | **Laundry Room**<br><br>Draw polygon for laundry Room on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 31 | Optional as per design |
| | | | **Lift Lobby**<br><br>Draw polygon for lift Lobby on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 32 | Optional as per design |
| | | | **Guard Room**<br><br>Draw polygon for Guard Room on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 33 | Optional as per design |
| | | | **Electric Cabin**<br><br>Draw polygon for Electric Cabin on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 34 | Optional as per design |

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| | | | **Sub-Station**<br><br>Draw polygon for Sub-Station on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 35 | Optional as per design |
| | | | **Generator Room**<br><br>Draw polygon for Generator Room on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 36 | Optional as per design |
| | | | **ATM**<br><br>Draw polygon for ATM on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 37 | Optional as per design |
| **3** | Stilt Floor | BLK_n_FLR_n_REGULAR_ROOM_n | **Stilt Floor**<br>Draw polygon for Stilt Floor on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 38 | Optional as per design |
| **4** | Service Floor | BLK_n_FLR_n_REGULAR_ROOM_n | **Service Floor**<br>Draw polygon for Service Floor on floor plan<br>Draw dimension of room height for respective room in sectional elevation | 39 | Optional as per design |
| **5** | Mezzanine Floor | BLK_n_FLR_n_ROOM_n_MEZ_AREA_n | Draw polygon for Mezzanine Floor on floor plan (Room number should be same as the respective regular room under which the mezzanine floor is present)<br><br>Draw Dimension of the Mezzanine Floor height | As per Sub - Occupancy type | Optional as per design |
| **6** | ICT landing Point Provision | ICT_LANDING_POINT_1 | Draw as polygon on floor outlining build up area of the ICT provision<br><br>Draw Dimension of the ICT Clear height | 7 | Mandatory as per rule |

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| | | ICT_LANDING_POINT_n_DOOR_n | Draw as polygon on floor outlining Fire Doors in the ICT room | 1 | Mandatory as per rule |
| | | | Draw Dimension of the ICT room Fire Door Width | 2 | Mandatory as per rule |
| **Layers to be drawn on the Sectional Elevations or Building Elevation** | | | | | |
| **1** | Building Height | BLK_n_HT_OF_BLDG | Draw as dimension on Sectional Elevations or Building Elevation | 5 | Mandatory as per rule |
| **2** | Basement Floor Height | BLK_n_FLR_n_BLDG_FOOTPRINT | Draw Dimension of basement floor clear height (beam to floor/ceiling to floor) | 1 | Mandatory if basement is provided |
| | | | Draw Dimension of the height ceiling of upper basement from the average surrounding ground level | 2 | Mandatory if upper basement is provided |
| **3** | Plinth Height | BLK_n_PLINTH_HEIGHT | Draw Dimension of the Plinth height | 7 | Optional as per design |
| **4** | Staircase Headroom/Flight Headroom | BLK_n_STAIR_HEADROOM | Draw dimension of Staircase Headroom | 7 | Mandatory where staircase is proposed |
| **5** | Staircase Railing / DA ramp Railing / Parapet / Special Lift Handrail | BLK_n_PARAPET_HT | Draw Dimension of Staircase Railing height | 1 | Mandatory as per rule |
| | | | Draw Dimension of DA Ramp Railing Height | 2 | Mandatory as per rule |
| | | | Draw Dimension of Parapet Height | 3 | Optional as per design |
| | | | Draw Dimension of Special Lift Handrail height | 4 | Mandatory as per rule |
| **6** | Mumty | BLK_n_MUMTY_HT | Draw Dimension of Parapet | 7 | Optional as per design |
| 7 | Entrance Gate | MAIN_GATE | Draw polygon outlining main gate | 7 | Optional as per design |
| | | | Use dimension tool to draw main gate width | 2 | Optional as per design |
| | | | Use dimension tool to draw main gate Archway height if Provided | 1 | Optional as per design |
| **8** | Glass Façade Opening | BLK_n_FLR_n_GLASS_FACADE_n | Draw polygon outlining Glass Façade opening | 7 | Optional as per design |

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| | | | Draw Dimension of the Height of Glass Façade opening | 1 | |
| | | | Draw Dimension of the Width of Glass Façade opening | 2 | |
| | | | Draw Dimension of the height from floor to glass opening | 3 | |

# 2.5. Layer colour as per occupancy type

| S.No | Occupancy | Sub-Occupancy | Color Code |
|---|---|---|---|
| 1 | Residential | Plotted Detached/Individual Residential building | 11 |
| 2 | Residential | Semi-detached | 12 |
| 3 | Residential | Row housing | 13 |
| 4 | Residential | Apartment Building | 14 |
| 5 | Residential | Housing Project | 15 |
| 6 | Residential | work-cum-residential | 16 |
| 7 | Residential | Studio Apartments | 17 |
| 8 | Residential | Dharmsala | 18 |
| 9 | Residential | Dormitory | 19 |
| 10 | Residential | EWS | 20 |
| 11 | Residential | Low Income Housing | 21 |
| 12 | Residential | Medium Income Housing | 22 |
| 13 | Residential | Hostel | 23 |
| 14 | Residential | Shelter House | 24 |
| 15 | Residential | Staff Quarter | 25 |
| 16 | Commercial | Hotel | 30 |
| 17 | Commercial | 5 Star Hotel | 31 |
| 18 | Commercial | Motels | 32 |
| 19 | Commercial | Services for households | 33 |
| 20 | Commercial | Shop Cum Residential | 34 |
| 21 | Commercial | Bank | 35 |
| 22 | Commercial | Resorts | 36 |
| 23 | Commercial | Lagoons and Lagoon Resort | 37 |
| 24 | Commercial | Amusement Building/Park and water sports | 38 |
| 25 | Commercial | Financial services and Stock exchanges | 39 |
| 26 | Commercial | Cold Storage and Ice Factory | 40 |
| 27 | Commercial | Commercial and Business Offices/Complex | 41 |
| 28 | Commercial | Convenience and Neighborhood Shopping | 42 |
| 29 | Commercial | Professional offices | 43 |
| 30 | Commercial | Departmental store | 44 |
| 31 | Commercial | Gas Godown | 45 |
| 32 | Commercial | Godowns | 46 |
| 33 | Commercial | Good Storage | 47 |
| 34 | Commercial | Guest Houses | 48 |
| 35 | Commercial | Holiday Resort | 49 |
| 36 | Commercial | Boarding and lodging houses | 50 |
| 37 | Commercial | Petrol Pump (Only Filling Station) | 51 |
| 38 | Commercial | Petrol Pump (Filling Station and Service station) | 52 |
| 39 | Commercial | CNG Mother Station | 53 |
| 40 | Commercial | Restaurant | 54 |
| 41 | Commercial | Local(retail) shopping | 55 |
| 42 | Commercial | Shopping Center | 56 |

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| **44** | Commercial | Showroom | 58 |
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| **47** | Commercial | Storage/ Hangers/ Terminal Depot | 61 |
| **48** | Commercial | Supermarkets | 62 |
| **49** | Commercial | Warehouse | 63 |
| **50** | Commercial | Wholesale Market | 64 |
| **51** | Commercial | Media Centers | 65 |
| **52** | Commercial | food courts | 66 |
| **53** | Commercial | Weigh bridges | 67 |
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| **56** | Public-Semi Public/Institutional | Banquet Hall | 121 |
| **57** | Public-Semi Public/Institutional | Cinema | 122 |
| **58** | Public-Semi Public/Institutional | Club | 123 |
| **59** | Public-Semi Public/Institutional | music pavilions | 124 |
| **60** | Public-Semi Public/Institutional | Community Hall | 125 |
| **61** | Public-Semi Public/Institutional | Orphanage | 126 |
| **62** | Public-Semi Public/Institutional | Old Age Home | 127 |
| **63** | Public-Semi Public/Institutional | Science Centre/Museum | 128 |
| **64** | Public-Semi Public/Institutional | Conference Hall | 129 |
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| **66** | Public-Semi Public/Institutional | sculpture complex | 131 |
| **67** | Public-Semi Public/Institutional | Cultural Complex | 132 |
| **68** | Public-Semi Public/Institutional | Exhibition Center | 133 |
| **69** | Public-Semi Public/Institutional | Gymnasia | 134 |
| **70** | Public-Semi Public/Institutional | Marriage Hall/Kalyan Mandap | 135 |
| **71** | Public-Semi Public/Institutional | Multiplex | 136 |
| **72** | Public-Semi Public/Institutional | Museum | 137 |
| **73** | Public-Semi Public/Institutional | Place of worship | 138 |
| **74** | Public-Semi Public/Institutional | Public Libraries | 139 |
| **75** | Public-Semi Public/Institutional | Recreation Building | 140 |
| **76** | Public-Semi Public/Institutional | Sports Complex | 141 |

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| **77** | Public-Semi Public/Institutional | Stadium | 142 |
| **78** | Public-Semi Public/Institutional | Theatre | 143 |
| **79** | Public-Semi Public/Institutional | Administrative Buildings | 144 |
| **80** | Public-Semi Public/Institutional | Government offices | 145 |
| **81** | Public-Semi Public/Institutional | Local and semi Government offices | 146 |
| **82** | Public-Semi Public/Institutional | Police/Army/Barrack | 147 |
| **83** | Public-Semi Public/Institutional | Religious Building | 148 |
| **84** | Public-Semi Public/Institutional | Social and welfare centers | 149 |
| **85** | Public-Semi Public/Institutional | Clinic | 150 |
| **86** | Public-Semi Public/Institutional | Dispensary | 151 |
| **87** | Public-Semi Public/Institutional | Yoga Center | 152 |
| **88** | Public-Semi Public/Institutional | Diagnostic Centre | 153 |
| **89** | Public-Semi Public/Institutional | Govt-Semi Govt. Hospital | 154 |
| **90** | Public-Semi Public/Institutional | Registered Trust | 155 |
| **91** | Public-Semi Public/Institutional | Health center | 156 |
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| **93** | Public-Semi Public/Institutional | Lab | 158 |
| **94** | Public-Semi Public/Institutional | Maternity Home | 159 |
| **95** | Public-Semi Public/Institutional | Medical Building | 160 |
| **96** | Public-Semi Public/Institutional | Nursing Home | 161 |
| **97** | Public-Semi Public/Institutional | Polyclinic | 162 |
| **98** | Public-Semi Public/Institutional | Rehabilitation Center | 163 |
| **99** | Public-Semi Public/Institutional | Veterinary Hospital for pet animals and birds | 164 |
| **100** | Public-Semi Public/Institutional | Research and Training Institute | 165 |
| **101** | Public-Semi Public/Institutional | Police Station | 166 |
| **102** | Public-Semi Public/Institutional | Fire Station | 167 |
| **103** | Public-Semi Public/Institutional | Jail/Prison | 168 |
| **104** | Public-Semi Public/Institutional | Post Office | 169 |
| **105** | Public Utility | Bill Collection Center | 210 |
| **106** | Public Utility | Broadcasting-Transmission Centre | 211 |
| **107** | Public Utility | Burial and cremation grounds | 212 |
| **108** | Public Utility | Public Distribution System Shop | 213 |

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| **109** | Public Utility | Public Toilets in Public Area | 214 |
| **110** | Public Utility | Public Utility Building | 215 |
| **111** | Public Utility | Sub-Station | 216 |
| **112** | Public Utility | Telecommunication | 217 |
| **113** | Public Utility | water pumping stations | 218 |
| **114** | Public Utility | service and storage yards | 219 |
| **115** | Public Utility | electrical distribution depots | 220 |
| **116** | Industrial Zone | Industrial Buildings (Factories, Workshops, etc.) | 200 |
| **117** | Industrial Zone | Non-Polluting Industrial | 201 |
| **118** | Industrial Zone | IT, ITES Buildings | 202 |
| **119** | Industrial Zone | SEZ Industrial | 203 |
| **120** | Industrial Zone | Loading/Unloading Spaces | 204 |
| **121** | Industrial Zone | Flatted Factory | 205 |
| **122** | Industrial Zone | small factories and etc. falls in industrial | 206 |
| **123** | Education | Coaching Centre | 170 |
| **124** | Education | Commercial Institute | 171 |
| **125** | Education | College | 172 |
| **126** | Education | Computer Training Institute | 173 |
| **127** | Education | Nursery School | 174 |
| **128** | Education | Primary School | 175 |
| **129** | Education | Hostel (Captive) | 176 |
| **130** | Education | High School | 177 |
| **131** | Education | Play School | 178 |
| **132** | Education | crèche | 179 |
| **133** | Education | School for Mentally Challenged. | 180 |
| **134** | Education | Art academy | 181 |
| **135** | Education | Technical College | 182 |
| **136** | Education | Sports training centers | 183 |
| **137** | Education | Training Institute | 184 |
| **138** | Education | Veterinary Institute | 185 |
| **139** | Education | Medical College | 186 |
| **140** | Education | Research and Training Center | 187 |
| **141** | Transportation | Airport | 29 |
| **142** | Transportation | Auto Stand | 79 |
| **143** | Transportation | Metro Station | 189 |
| **144** | Transportation | Bus Stand | 199 |
| **145** | Transportation | Bus Terminal | 229 |
| **146** | Transportation | ISBT | 239 |
| **147** | Transportation | Railway station | 249 |
| **148** | Transportation | Taxi Stand | 250 |
| **149** | Transportation | Multi Level Car Parking | 251 |
| **150** | Transportation | Public Parking | 252 |
| **151** | Transportation | Toll Plaza | 253 |
| **152** | Transportation | Truck Terminal | 254 |
| **153** | Agriculture | Agriculture Farm | 80 |

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| **154** | Agriculture | Agro Godown | 81 |
| **155** | Agriculture | Agro-Research Farm | 82 |
| **156** | Agriculture | Farmhouse | 83 |
| **157** | Agriculture | Country Homes | 84 |
| **158** | Agriculture | Nursery and green houses | 85 |
| **159** | Agriculture | Poultry, Diary and Swine/Goat/Horse | 86 |
| **160** | Agriculture | Horticulture | 87 |
| **161** | Agriculture | Seri culture | 88 |

## 2.6. Layer Plan Info

| S.NO | Description | Key | Expected response format |
|---|---|---|---|
| 1 | Name of architect/ Technical person responsible for drawing preparation | ARCHITECT_OR_TECHNICAL_PERSON_NAME | Full Name |
| 2 | Plot Number of the project site | PLOT_NO | Numeric value |
| 3 | Khata Number of the project site | KHATA_NO | Numeric value |
| 4 | Mauza of the project site | MAUZA | Mauza Name |
| 5 | District of the project site | DISTRICT | District Name |
| 6 | Plot area of the project site | PLOT_AREA_M2 | Numeric value with decimal |
| 7 | Depth of the Plot | AVG_PLOT_DEPTH | Numeric value with decimal |
| 8 | Width of the Plot / Plot Frontage Dimension | AVG_PLOT_WIDTH | Numeric value with decimal |
| 9 | Describes the width of the adjacent road to the plot | ROAD_WIDTH | Numeric value. Eg. 4,5,10 etc. |
| 10 | Floor area of the demolition if required | EXISTING_FLOOR_AREA_TO_BE_DEMOLISHED_M2 | Numeric value with decimal |
| 11 | describes the occupant load in a building/number of occupants using the building or the Number of Beds in a Hospital/ Number of Students in educational Building | NUMBER_OF_OCCUPANTS_OR_USERS_OR_BED_BLK_1<br><br>NUMBER_OF_OCCUPANTS_OR_USERS_OR_BED_BLK_2<br><br>NUMBER_OF_OCCUPANTS_OR_USERS_OR_BED_BLK_n | Numeric value. Eg. 4,5,10 etc. |

| | | | |
|---|---|---|---|
| **12** | For identification whether project is Low Risk or Other Than Low Risk | IS_THE_PLOT_PART_OF_THE_LAYOUT_APPROVED_BY_THE_AUTHORITY_OR_DEVELOPED_AND_ALLOTTED_BY_THE_GOVERNMENT_OR_STATUTORY_BODIES_OR_IS_A_FINAL_PLOT_IN_TOWN_PLANNING_SCHEMES_OR_DEVELOPMENT_SCHEMES | YES/NO |
| **13** | Is land regularized | IS_LAND_REGULARIZED | YES/NO |
| **14** | Land Use of the proposed project | LAND_USE_ZONE | RESIDENTIAL USE ZONE<br>RETAIL COMMERCIAL & BUSINESS USE ZONE<br>WHOLESALE COMMERCIAL USE<br>INDUSTRIAL USE ZONE<br>PUBLIC & SEMI-PUBLIC USE ZONES<br>UTILITY & SERVICE USE ZONE<br>OPEN SPACE USE ZONE<br>TRANSPORTATION USE<br>AGRICULTURE & FOREST USE ZONE<br>WATER BODIES USE ZONE<br>SPECIAL HERITAGE ZONE<br>ENVIRONMENTALLY SENSITIVE ZONE<br>NA |
| **15** | For identification whether building or part of a building which is used for the storage, handling, manufacture or processing of highly combustible or explosive materials or products which are liable | IS_BUILDING_UNDER_HAZARDOUS_OCCUPANCY_CATEGORY | YES/NO |

| | | | |
|---|---|---|---|
| | to burn with extreme rapidity or producing poisonous fumes, or the storage, handling, manufacturing or processing of which involves highly corrosive, toxic, obnoxious alkalis, acids or other liquids, gases or chemicals, producing flame, fumes and explosion, poisonous irritant or corrosive gasses and for the storage, handling or processing of any material producing explosive mixture of dust or which result in the division of matter into fine particles subject to spontaneous ignition and includes petrol filling stations | | |
| **16** | Is building having Centrally Air Conditioned system | IS_BUILDING_CENTRALLY_AIR_CONDITIONED | YES/NO |
| **17** | Benchmark Value of Land (Per Acre) needed if project is having Purchasable FAR component | PER_ACRE_BENCHMARK_VALUE_OF_LAND_NEEDED_IF_PROJECT_IS_HAVING_PURCHASABLE_FAR_COMPONENT | Numeric value with decimal/NA |
| **18** | Distance of DA parking space from Building entrance (If DA Parking is Mandatory) | DISTANCE_OF_DA_PARKING_SPACE_FROM_BUILDING_ENTRANCE | Numeric value with decimal/NA |
| **19** | Total Parking area if project has off site parking provision within 300 meters from project Site | TOTAL_PARKING_AREA_IF_PROJECT_HAS_OFF_SITE_PARKING_PROVISION_WITHIN_300_METERS_FROM_PROJECT_SITE | Numeric value with decimal/NA |
| **20** | Applicable if Project is Hotel | STAR_RATING_FOR_HOTEL_PROJECT | 1/2/3/4/5/NA |
| **21** | Applicable if Project is Hospital | DOES_HOSPITAL_HAVE_CRITICAL_CARE_UNIT | YES/NO/NA |
| **22** | Applicable if Building Block Height is more than 200 m | PROVISION_FOR_HELIPAD_PRESENT | YES/NO/NA |
| **23** | Applicable if internal road is providing access to any side other than Front side for a building Block | IS_DRIVEWAY_PROVIDING_ACCESS_TO_REAR_SIDE_OR_ANY_OTHER_SIDE_OTHER_THAN_FRONT_OF_THE_BUILDING=YES/NO | |
| **24** | Applicable for Both Petrol Pump Sub occupancy only | MINIMUM_DISTANCE_FROM_THE_ROAD_INTERSECTIONS | Numeric value with decimal/NA |

| | | | |
|---|---|---|---|
| **25** | Applicable for Both Petrol Pump Sub occupancy only | MINIMUM_DISTANCE_OF_PROPERTY_LINE_FROM_THE_CENTRE_LINE_OF_THE_ROAD | Numeric value with decimal/NA |
| **26** | Does building have more than 10000 litres of Waste Water discharge per day | DOES_PROJECT_HAVE_MORE_THAN_10000_LITRES_OF_WASTE_WATER_DISCHARGE_PER_DAY | YES/NO |
| **27** | Mandatory For All Occupancy | TOTAL_CONNECTED_LOAD_OF_THE_PROPOSED_PROJECT_IN_W | Numeric value with decimal |
| **28** | Capacity in W if Solar Photo voltaic system is mandatory for project | MINIMUM_GENERATION_CAPACITY_OF_THE_ROOFTOP_SOLAR_PV_SYSTEM_IN_W | Numeric value with decimal / NA |
| **29** | Capacity in LPD if Solar water heating system is mandatory for project | CAPACITY_OF_SOLAR_WATER_HEATING_SYSTEM_IN_LPD | Numeric value with decimal / NA |
| **30** | Does project have low water consumption and plumbing fixtures? | DOES_PROJECT_HAVE_LOW_WATER_CONSUMPTION_AND_PLUMBING_FIXTURES | YES/NO/NA |
| **31** | Does project have reduction in Hardscape provision | DOES_PROJECT_HAVE_REDUCED_HARDSCAPE | YES/NO/NA |
| **32** | Does project have low energy consumption lighting fixtures? | DOES_PROJECT_HAVE_LOW_ENERGY_CONSUMPTION_LIGHTING_FIXTURES | YES/NO/NA |
| **33** | Does project have energy efficient hvac system? | DOES_PROJECT_HAVE_ENERGY_EFFICIENT_HVAC_SYSTEM | YES/NO/NA |
| **34** | Does project have lighting of common areas by solar energy or led devices? | DOES_PROJECT_HAVE_LIGHTING_OF_COMMON_AREAS_BY_SOLAR_ENERGY_OR_LED_DEVICES | YES/NO/NA |
| **35** | Does project have segregation of waste provision? | DOES_PROJECT_HAVE_SEGREGATION_OF_WASTE_PROVISION | YES/NO/NA |
| **36** | Does project have organic waste management provision? | DOES_PROJECT_HAVE_ORGANIC_WASTE_MANAGEMENT_PROVISION | YES/NO/NA |
| **37** | Does the Project requires NOC from AAI as per the Colour Coded Zone Maps | DOES_THE_PROJECT_REQUIRE_NOC_FROM_AAI_AS_PER_THE_COLOUR_CODED_ZONE_MAPS | YES/NO |
| **38** | Is project located within 300 meters distance of Centrally Protected Monument | IS_THE_PROJECT_LOCATED_WITHIN_300_METERS_DISTANCE_OF_THE_CENTRALLY_PROTECTED_MONUMENT | YES/NO |
| **39** | Is project located within 300 meters distance of State Protected Monument | IS_THE_PROJECT_LOCATED_WITHIN_300_METERS_DISTANCE_OF_THE_STATE_PROTECTED_MONUMENT | YES/NO |
| **40** | Is project located within 200 mts from strategic buildings | IS_THE_PROJECT_LOCATED_WITHIN_200_METERS_FROM_STRATEGIC_BUILDINGS | YES/NO |
| **41** | Is proposed construction next to flood embankment and applicant wants to | IS_PROPOSED_CONSTRUCTION_NEXT_TO_FLOOD_EMBANKMENT_AND_DOES_APPLICANT_WANT_T | YES/NO |

| | | | |
|---|---|---|---|
| | have direct access from the Embankment Road | O_HAVE_DIRECT_ACCESS_FROM_THE_EMBANKMENT_ROAD | |
| **42** | Is kisam of land recorded as agriculture in record of Rights. | IS_KISAM_OF_LAND_RECORDED_AS_AGRICULTURE_IN_RECORD_OF_RIGHTS | YES/NO |
| **43** | Is project adjacent to Highway & is having direct access | IS_THE_PROJECT_ADJACENT_TO_HIGHWAY_AND_HAVING_DIRECT_ACCESS_TO_IT | YES/NO |
| **44** | Is project in Close to Coastal Region | IS_THE_PROJECT_CLOSE_TO_THE_COASTAL_REGION | YES/NO |
| **45** | OSHB or government allotted or BDA developed and allotted plot? | DOC_OSHB_OR_GA_OR_BDA_DEVELOPED_AND_ALLOTTED_PLOT | YES/NO |
| **46** | Is Plot part of approved private layout? | DOC_PLOT_PART_OF_APPROVED_PRIVATE_LAYOUT | YES/NO |
| **47** | Is Plot part of unauthorized layout or revenue plot? | DOC_PLOT_PART_OF_UNAUTHORISED_LAYOUT_OR_REVENUE_PLOT | YES/NO |
| **48** | Is project coming under the jurisdiction of planning authorities | DOC_IS_PROJECT_COMING_UNDER_THE_JURISDICTION_OF_PLANNING_AUTHORITIES | YES/NO |
| **49** | Does the project have affordable housing component | DOC_DOES_THE_PROJECT_HAVE_AFFORDABLE_HOUSING_COMPONENT | YES/NO |
| **50** | Does the project have more than 500 sqm built up area excluding the affordable housing component | DOC_DOES_THE_PROJECT_HAVE_MORE_THAN_500_SQM_BUILT_UP_AREA_EXCLUDING_THE_AFFORDABLE_HOUSING_COMPONENT | YES/NO |
| **51** | Does project require RERA registration | DOC_DOES_PROJECT_REQUIRE_RERA_REGISTRATION | YES/NO |
| **52** | Is security deposit required | IS_SECURITY_DEPOSIT_REQUIRED | YES/NO |
| **53** | Applicable if project has Building Block with entire façade made of Glass | IS_BLOCK_1_HAVING_ENTIRE_FACADE_IN_GLASS | YES/NO |
| **54** | Applicable if EIDP fee is applicable for project | PROJECT_VALUE_IN_INR_IF_EIDP_FEE_IS_APPLICABLE_FOR_PROJECT | Numeric value with decimal / NA |
| **55** | Applicable if the project is by State Govt or Central Govt or Govt Undertaking | IS_THE_PROJECT_BY_STATE_GOVT_OR_CENTRAL_GOVT_OR_GOVT_UNDERTAKING | YES/NO |
| **56** | Number of temporary structures if any present at site | NUMBER_OF_TEMPORARY_STRUCTURES_IF_PRESENT_AT_THE_SITE=Whole numeric value /NA | Whole numeric value /NA |
| **57** | Applicable if project is required to provide EWS provision | HAS_PROJECT_PROVIDED_MIN_10_PER_BUA_FOR_EWS_WITHIN_5_KM_FROM_PROJECT_SITE=YES/NO | YES/NO |

| | | | |
|---|---|---|---|
| **58** | Applicable if project has TDR provision | ADDITIONAL_TDR_IF_APPLICABLE_M2=Numeric value with decimal/NA | Numeric value with decimal/NA |
| **59** | Is the project by State Government or Central Government undertaking | IS_THE_PROJECT_BY_STATE_GOVT_OR_CENTRAL_GOVT_OR_GOVT_UNDERTAKING=YES/NO | YES/NO |
| **60** | Applicable only for Addition & Alteration service only | BLK_1_SETBACK_FRONT_EXISTING | Numeric value with decimal/NA |
| **61** | Applicable only for Addition & Alteration service only | BLK_1_SETBACK_REAR_EXISTING | Numeric value with decimal/NA |
| **62** | Applicable only for Addition & Alteration service only | BLK_1_SETBACK_LEFT_EXISTING | Numeric value with decimal/NA |
| **63** | Applicable only for Addition & Alteration service only | BLK_1_SETBACK_RIGHT_EXISTING | Numeric value with decimal/NA |
| **64** | Applicable only for Mixed Use Project | COLOUR_CODE_OF_PRINCIPAL_USE_OF_THE_BUILDING_IN_CASE_OF_MIXED_USE_PROJECTS | Colour code of primary occupancy type/NA |
| **65** | Applicable only for Waste water treatment | IS_PROJECT_HAVING_SEWERAGE_CONNECTION. | YES/NO |
| **66** | Applicable only in case city is puri , konark , puri konark development authority , nimapara | WHETHER_PLOT_FALLS_WITHIN_100_M_OF_GRAND_ROAD | YES/NO |
| | | WHETHER_PLOT_FALLS_WITHIN_3_KM_ARIAL_RADIUS_DISTANCE_OF_SRI_JAGANNATH_TEMPLE | YES/NO |
| | | CRZ_NUMBER_FOR_PROJECTS_FALLING_UNDER_CRZ_AREA | 0/NA |

# *Frequently asked questions (FAQ)*

### Q1. How to fill information in PLAN_INFO layer?

**A1.** Provide the information required in PLAN_INFO Layer with following considerations:

- Write all the text in PLAN_INFO layer after '=' and 'space'. For eg. **PLOT_AREA_M2= 500** instead of PLOT_AREA_M2=500
- Write all the text without any applicable units. For eg. **PLOT_AREA_M2= 500** instead of PLOT_AREA_M2= 500sqm etc.
- Write all the text in Capitals. For eg. **ROAD_WIDTH**
- Write sector number in format **SECTOR_NUMBER= 23D** instead of SECTOR_NUMBER=23-D or SECTOR_NUMBER= 23 D or SECTOR_NUMBER= 23d
- Write the projected total number of building users in the format **NUMBER_OF_OCCUPANTS_OR_USERS_OR_BED_BLK_1= 5**
- Put the responses in the PLAN_INFO layer with response **YES** or **NO** or **NA** instead of **Yes** or **No** or **na.**

## Q2. How does system calculate fee for building permit?

**A3.** System calculates fee based on the drawing using following layers:
**Fee for development of land –** This will be calculated based on the Plot Area layer with color as 70.

**Fee for building operation, Sanction fees, Construction worker welfare Cess (CWWC), Shelter fees and Security Deposit** - will be calculated based on the Built Up Area layer with color as per Sub Occupancy

**Temporary retention fees** - will be flat Fee

**Purchasable FAR Fee –** will be calculated based on the Per acre Benchmark Value of land to be provided in plan info and using Built Up Area layer with color as per Sub Occupancy

## Q3. How should I start with the drawing preparation?

**A4.** Complete the drawing as per standards and guidelines required by ODA Bye Laws. The drawing should be completed as submission drawing formats. Use drawing scale 1:1 only. During or before preparation of drawing, make the UNITS settings - **Meter** and length type **Decimal** in the software (e.g. AutoCAD). Length type in primary units of dimension style shall be updated to Decimal.

**Copy and Paste the Plan Info and required layers from the Drawing Template (provided in the resource section) and follow guidelines in the Drawing manual to start drawing preparation for Auto-scrutiny.**

## Q4. What should I do if my drawing is 'not accepted'?

**A6.** One can open the .dxf file, that was uploaded for scrutiny, in the drafting software that was used for drawing preparation (eg. Autocad) make the modifications in the drawing as per the scrutiny report. After update of drawing, one can resubmit the drawing for scrutiny.

## Common Errors to Avoid –

1. Plan Info Not present in the Drawing
2. Not all answers are provided in Plan Info
3. Building Footprint Layer Not Present
4. Built Up Area Layer Not Present
5. Built Up area Layer Color code is not as per Drawing Manual – Occupancy Color Codes
6. Setback Layer Polygon is Drawn Incorrect – Edges of Setback Polygon should fall on Building Footprint Polygon and Plot Boundary Polygon
7. Bring only the necessary layers from Drawing Template

## Q5. In which format the drawing shall be saved for scrutiny?

**A7.** Drawing shall be saved in .dxf format only

## Q6. How To Draw the Setback Layers for Auto scrutiny?

**A7.** After creation of the required setback layers with correct colour codes, draw closed polygons along the entire length of the front, rear, left and right sides of each building blocks.

The setback layer polygon drawn should have edges falling/coinciding with both the Plot area Polygon and the respective Building Footprint Polygon.

## Q7. How To correctly name Polygons for Lifts, Ramps etc that have numbers at the end of the layer name?

**A7.**If multiple polygons needs to be created for features such as Lifts and Ramps that have different colour codes assigned to them based on different use types, Follow the bellow guidelines-

- Name all the required layers with consecutive numbers at the end keeping with common color code to denote the same use type.
- If multiple use types are required to be drawn, then each group of layers with common colour code will have the numbers starting from 1 to the required number.

E.g. 3 use types of ramps are present in same project–

| Block | Use Type | No of ramps present |
|---|---|---|
| Block 1 | LMV – 1 way | 4 |
| Block 2 | LMV – 2 way | 1 |
| Block 3 | LCV – 1 way | 2 |

The naming convention for the layers to be drawn will be as follows-

**LMV – 1 way with color code 1**
BLK_1_FLR_0_VEHICLERAMP_1
BLK_1_FLR_0_VEHICLERAMP_2
BLK_1_FLR_0_VEHICLERAMP_3
BLK_1_FLR_0_VEHICLERAMP_4

**LMV – 2 way with color code 2**
BLK_2_FLR_0_VEHICLERAMP_1

**LCV – 1 way with color code 3**
BLK_3_FLR_0_VEHICLERAMP_1
BLK_3_FLR_0_VEHICLERAMP_2