Document Name:	General guidelines for Shape (.shp) files creation
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Attrubute Details

Attribute Name	Remarks
BlockId	- Represent Block / Sector ID. - Fill '1' for all polygons if no block / sector defined in scheme - If multiple block / sector exists in scheme, block id will starts from 1 and continue number for block / sector count. i.e. If any scheme having 10 nos of block / sector, block ids will be 1 to 10 as continuous number. - Fill Number only.
BlockName	- Represent Block / Sector Name. - Any Name can be given for given Block ID but name should be same for same block. i.e if a block id 1 having 100 polygons, sector / block name of these 100 polygons will be same. - Block Name should be filled in capital letters only
PlotNo	- Plot No. - Each polygon of the scheme must have plot no. - Can be alphanumeric.
PlotSzDim	- Plot Dimension [i.e. 12M x 21M, 30 Feet x 60 Feet etc.]
SiPlanArea	- Area as per site plan with decimal number - Site Plan area entered by builder / developer must be in the range of ±0.01 meter tolerance with respect to auto calculated area of polygon by GIS System
SiPlanUId	- ID to be entered as per Site Plan Master Table, attached below.
PlotUseId	- ID to be entered as per Use Master Table, attached below.
PlotSubUId	- ID to be entered from Sub Use Plan Master Table, attached below.
IsCorner	- '1' for Yes / '0' for No
FacingType	- To be entered from Facing Master Table, attached below.
RoadType1	- Road ID as per Road Master - Road 1 is mandatory for all polygons
RoadType2	- Road ID as per Road Master - Road 2 is mandatory for polygons having IsCorner as '1' all polygons
IsMortProp	- ID to be entered as per mortgage master
IsResvProp	- ID to be entered as per reserve property master
BelongJDA	- ID to be entered as per Belongs to JDA master
SHAPE_Leng	- Auto populated
SHAPE_Area	- Auto populated

Validations

Validation	Checklist
Validating Schema Template	- Check the schema validation as per the given sample shapefile template. - If any attribute name is changed, schema validation faild.
Validating Topology Rules	- Polygon must not overlap to any other polygon(Area) - Must Not Have Gaps (Area) - Enter "Scheme Boundary" in PlotNo attribute for Scheme Boundary Polygon (as all plots overlaps on scheme boundary) - Enter "Other Land" in PlotNo attribute for gap area polygons (in case some area in boundary does not belongs to scheme, otherwise system will show gap / overlap error) -
Validating Mandatory Fields	- All attributes are mandatory except 'RoadType2' attribute (RoadType2 is mandatory for corner polygons / plots) - Scheme Boundary Polygons and Other Land Polygons: PlotNo & SiPlanArea are mandatory remaining may be left blank
Validating Unique Constraints	- 'PlotNo', 'BlockId', 'PlotUseId' combination should be unique throughout the scheme.
Validating Block ID Consistency	- Confirm that BlockName and BlockId pairs are unique and follow a sequential order.

Use Master:

UseId	UseDesc
1	Residential
2	Commercial
3	Institutional
4	Group Housing
5	Motel
6	Hotel
7	Petrol Pump
8	Resort
9	Jvvnl
10	Electrical Substation
11	Industrial
12	Flatted
13	Farmhouse
14	Mix Use
16	Park
17	Facility Area
18	Play Ground
19	Marriage Garden
20	WareHouse
21	Agriculture WareHouse
22	Cng Pump
23	Eco Friendly house
24	Institution
25	Road
26	HT Line
27	GAS Line
28	Petroleum Line

Property Belongs To JDA Master:

PK_Surrender To JDA SourceId	SurrenderToJDASource
1	Sector Commercial
2	Right of Way
3	Through LPC Decision
4	Give and Take
5	Facility
6	5% Reserved Land Against Group Housing / Ekal Patta 20000 Sqmt

Sub-use Master

Sub Use Id	UseDesc
1	MIG-A
2	EWS
3	LIG
4	Retail Shop
5	Constructed Shop
6	Hospital
7	Power Station
8	Discrepancy
9	Police Station
10	PHED
11	Community Centre
12	Water Works
13	School
14	Temple
15	Club House
16	Shopping Center
17	Shamshan Ghat
18	Service Station
19	Sports Facility
20	Hostel Facility
21	Fire Station
22	Lake
23	University
24	IT
25	Other Technical
26	Higher Education
27	Medical
28	Exhibition Ground
29	Utility
30	Studium
31	Mobile Tower (M.T.)
32	Solid Waste Management (S.W.M.)
33	Park
34	Facility
35	Primary School
36	Secondary School
37	Service Apartment
38	Retail Shop (kiyosk)

Unit Master (Site Plan Unit)

UnitId	UnitDesc
1	SQ. METER
2	SQ. YARD
3	SQ. FEET
4	ACRE
5	HECTARE
6	YARD
7	FEET
8	METER
9	INCH
10	BIGHA
11	BISWA

Facing Type Master

FacingTypeId	FacingType
71	East
69	North
73	North-East
74	North-West
70	South
75	South-East
76	South-West
72	West

Property Reserve Master:

PK_Property Reserved CategoryId	PropertyReservedCategory
1	Reserved for Future Planning
2	Reserved for Auction
3	Toll Plaza
4	Clover Leaf
5	Low Lying Area
6	25% Reserved Land For Samiti
7	Reserved For chunk Land

Road Type Master:

RoadId	RoadWidth(meter)
6	9
7	18
10	12
12	30
13	24
16	48
17	60
18	90
19	3
20	6
21	36
22	25
23	20
24	15
25	75
26	7
27	10
28	4
29	5

Property Mortgage Master

Property is Mortgage	
PK_Mortgage CategoryId	MortgageCategory
1	Internal Development of Scheme 12.5 %