

## PREPARING THE URBAN RIVER MANAGEMENT PLAN FOR DELHI

### Date Points Required from the Land Owning Authority

| Sl. No. | Data Particulars                                             | Format/Unit                  |
|---------|--------------------------------------------------------------|------------------------------|
| 1       | Planning Boundary                                            | Map (preferably, GIS layers) |
| 2       | Land use Land cover                                          | Map (preferably, GIS layers) |
| 3       | Ward Boundary                                                | Map                          |
| 4       | Ward-wise Population                                         | Number                       |
| 5       | Area and location of parks                                   | count; ha; coordinates/map   |
| 6       | Area and location of gardens                                 | count; ha; coordinates/map   |
| 7       | Court orders/laws/other legislation related to the Yamuna    | NA                           |
| 8       | Population- estimate                                         | million.                     |
| 9       | Community Toilets                                            | coordinates; numbers         |
| 10      | Public Toilets                                               | coordinates; numbers         |
| 11      | Number and locations of slums and unauthorized colonies      | Coordinates/map              |
| 12      | Area and location of natural conservation zones              | ha; map                      |
| 13      | Area and locations of biodiversity parks                     | ha; map                      |
| 14      | Area and location of wetlands                                | ha; map                      |
| 15      | Area and location of water bodies                            | Ha; map/coordinates          |
| 16      | Revenue generated from riverfronts (if any)                  |                              |
| 17      | Land area under agriculture in green belt                    | ha; coordinates              |
| 18      | Land use in green belt as per category                       | ha; type; map                |
| 19      | Special Economic Zones (SEZS)                                | Map                          |
| 20      | Government Land Ownership - Location & Areas                 | Map - GIS                    |
| 21      | Details of ghats in terms of number and location             | ha; coordinates              |
| 22      | Crematoria, riverfront parks, walking/cycling/jogging trails | location                     |
| 23      | Existing/ongoing/proposed projects for the Yamuna            | Information                  |
| 24      | Existing/ongoing IEC programmes                              | Information                  |

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### Data Points Required from the Urban Local Body (ULB)

| SI.No | Data Particulars                                  | Format/Unit                   |
|-------|---------------------------------------------------|-------------------------------|
| 1     | Waste management facilities                       | Type and locations            |
| 2     | Ward-wise waste collection (both wet and dry)     | tons                          |
| 3     | Location of Dhalaos                               | coordinates                   |
| 4     | Landfill sites                                    | Location; map                 |
| 5     | Community Toilets                                 | coordinates; numbers          |
| 6     | Drainage network                                  | Map                           |
| 7     | Number, area and location of parks                | count; ha;<br>coordinates/map |
| 8     | Number, area and location of gardens              | count; ha;<br>coordinates/map |
| 9     | Area and location of water bodies                 | Ha; map/coordinates           |
| 10    | Existing/ongoing/proposed projects for the Yamuna | Information                   |
| 11    | Existing/ongoing IEC programmes                   | Information                   |

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### Data Points Required from the Delhi Water & Sewage Department

| Sl.No | Data Particulars                                                           | Format/Unit            |
|-------|----------------------------------------------------------------------------|------------------------|
| 1     | Sewage Treatment Plants (capacity, location) including decentralized units | MGD; map/coordinates   |
| 2     | Common Effluent Treatment Plants (capacity, location)                      | MGD; map/coordinates   |
| 3     | Coverage of sewer network                                                  | Area; map              |
| 4     | On-site sanitation systems                                                 | Type and locations/map |
| 5     | Area and location of water bodies (including artificial water bodies)      | Area; Location/maps    |
| 6     | Reuse of Treated Used Water                                                | MLD, locations         |
| 7     | Zone-wise water supply                                                     | MGD; map               |
| 8     | Zone-wise connections (household, industrial, and commercial)              | Number                 |
| 9     | Groundwater extraction volume and locations                                | MGD; coordinates       |
| 10    | Waterbody rejuvenation - location, proposed/existing projects              | Information            |
| 11    | Existing/ongoing IEC programmes                                            | Information            |

## PREPARING THE URBAN RIVER MANAGEMENT PLAN FOR DELHI

Data points required from the Irrigation and Flood Control Department

| Sl. No. | Data Particulars                                              | Format/ Unit                                  |
|---------|---------------------------------------------------------------|-----------------------------------------------|
| 1       | Yamuna Floodplain Demarcation                                 | Map (Preferably GIS Layer)                    |
| 2       | Flow in the river (Monthly records for last 5 years)          | m <sup>3</sup> /s; monitoring locations       |
| 3       | Sediment load in the river (Records for last 5 years)         | Kg                                            |
| 4       | Agriculture/ cultivation on river banks                       | ha or km <sup>2</sup> ; type; and coordinates |
| 5       | Drainage network for the city                                 | Map                                           |
| 6       | Waterbody rejuvenation – location, proposed/existing projects | Information                                   |
| 7       | Existing/ongoing/proposed projects for the Yamuna             | Information                                   |
| 8       | Existing/ongoing IEC programmes                               | Information                                   |

## PREPARING THE URBAN RIVER MANAGEMENT PLAN FOR DELHI

### Data points required from the Environment & Forest Department

| Sl. No. | Data Particulars                                                                        | Format/ Unit                                                      |
|---------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1       | River water quality and monitoring locations                                            | Key parameters (BOD, DO, TSS, E-Coli etc.) at different locations |
| 2       | Drain water quality and monitoring locations                                            | Key parameters (BOD, DO, TSS, E-Coli etc.) at major drains        |
| 3       | Hazardous waste generated and disposal sites                                            | MT; coordinates                                                   |
| 4       | Area and locations of reserved forests                                                  | Ha; map                                                           |
| 5       | Area and locations of protected forests                                                 | Ha; map                                                           |
| 6       | Area and location of natural conservation zones                                         | Ha; map                                                           |
| 7       | Area and locations of biodiversity parks                                                | Ha; map                                                           |
| 8       | Repository of biodiversity for Delhi (Flora and Fauna), including <u>native species</u> | List                                                              |
| 9       | Existing/ ongoing/ proposed projects for the Yamuna                                     | Information                                                       |
| 10      | Existing/ ongoing IEC programmes                                                        | Information                                                       |
| 11      | Current Schemes, Policies, Guidelines and Initiatives by Forest Department              | Information                                                       |
| 12      | Relevant Court orders/ laws/ other legislation                                          | Information                                                       |