**Annexure-III-A**

**INDORE MUNICIPAL CORPORATION**

**List of mall and large trees**

|  |  |
| --- | --- |
| **Sr.No.** | **Items** |
| 1 | Parkhar |
| 2 | Sita Ashok |
| 3 | Karanj |
| 4 | Shisham |
| 5 | Neem |
| 6 | Kala Siris |
| 7 | Bargad |
| 8 | Katbad |
| 9 | Kachnar (BahuniaPurpuria) |
| 10 | Kathoomer (FicusHispida) |
| 11 | Koha (TerminaliaArjuna) |
| 12 | Kachnar (BahuniaVarigata) |
| 13 | Harra |
| 14 | Bahera |
| 15 | Chirol |
| 16 | Poinsettia |
| 17 | Aonla |
| 18 | Amaltas |
| 19 | Bel |
| 20 | Baranga |
| 21 | Gulmohar |
| 22 | Peltaphorum |
| 23 | Tecoma |
| 24 | Villow (Salix Tetrasperma) |
| 25 | Kathjamun (SyzigiumHispida) |
| 26 | Lasoda (CordiaMixa) |
| 27 | Mandania |
| 28 | Chukrasia |
| 29 | Chandni |

**Annexure III- B**

**INDORE MUNICIPAL CORPORATION**

**पौधो की प्रजाति की सूची Buffer Zone plantation**

|  |  |
| --- | --- |
| **Sr.No.** | **Items** |
| 1 | Karanj |
| 2 | Vilayatiimli |
| 3 | Ashok |
| 4 | Amaltas |
| 5 | Pepal black |
| 6 | Arjun |
| 7 | Tikoma |
| 8 | Gulmohar |
| 9 | Imli |
| 10 | Arjun cow |
| 11 | Awla |
| 12 | Surjanafali |
| 13 | Mango |
| 14 | Shisham |
| 15 | Kachnar |
| 16 | Jam |
| 17 | Paras pepal |
| 18 | Pipal |
| 19 | Sitaphal |
| 20 | Rain tree |
| 21 | Saghwan |

**Annexure III-C**

**INDORE MUNICIPAL CORPORATION**

**शाखिय(श्रब्स) एवं औषधिय प्रजाति के लगाये गये पौधो की सूची**

|  |  |
| --- | --- |
| **Sr.No.** | **Plant Species**  |
| 1 | Paraspipal |
| 2 | Adusa |
| 3 | Ashwagandha |
| 4 | Sarpagandha |
| 5 | Harsingar |
| 6 | MeethiNeem |
| 7 | Boganvilla |
| 8 | Cassia (Galauca) |
| 9 | PeeliKaner |
| 10 | Jungle Jalebi |
| 11 | Cassia (Biflora) |
| 12 | Gulture |
| 13 | LalKaner |
| 14 | Shahtoot |
| 15 | Dudhi |
| 16 | Karonda |
| 17 | Marorphali (HelicteresIsora ) |
| 18 | Kalidudhi |
| 19 | Munga (MoringaOlerifera) |
| 20 | Munj (Sacrum Munja) |
| 21 | lemon Grass  |
| 22 | Roza (PamaRoza) |
| 23 | Gritkumari (Aloe Vera) |
| 24 | Khus (VetaveriaZizinoidis) |

**Annexure- III D**

**List of Notable plant species present in wetland**

**Macrophytes - Aquatic (**Submerged, Floating, Emergent) **and Semi-aquatic**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Botanical Name** | **Local Name** |
|  | *Nymphaea species* | Water Lilly |
|  | *Ipomoea aquatica* | Beshram |
|  | *Lemnasps,* | Duckweed |
|  | *Alternanthera philoxeroides* | Elagator weed |
|  | *Eichhornia crassipes* | Jalkumbhi |
|  | *Pistia stratiote L.* | Water Lettuce |
|  | **06 species - Local consultation** |

**Annexure – IV**

**List of Notable Animal Species Present In Wetland**

1. **Benthic Fauna**

|  |  |
| --- | --- |
| **S.No.** | **Botanical Name** |
|  | **OLIGOCHEATES** |
|  | Tubifex tubifex |
|  | Limmodrilus hoffmeisteri |
|  | Telmatodrilus multispinosus |
|  | Derodorsalis |
|  | Stylaria fossularis |
|  | Branchiodrillu shortensis |
|  | Tubifex albicola |
|  | **MOLLUSCS** |
|  | Limnaea uricularia |
|  | Bellamva bebgalensis |
|  | Digoniosto mapunchella |
|  | Melanoides tuberculatus |
|  | Melanoides lineatus |
|  | Thira scabra |
|  | Indoplanov bisexustus |
|  | Pissidium clarkeanum |
|  | Vivipara bengalensis |
|  | Unio sp. |
|  | Pila sp. |
|  | **ARTHROPODS** |
|  | chironomus sp. |
|  | Chaoborus sp. |
|  | Procladius sp. |
| **Total 21 Species**, **Source** - Gandhi and Sharma; Biodiversity of littoral benthic community and shorebirds of Sirpur Lake, Indore. Volume III Number 2 2012 [62 – 71] |

1. **Birds Species**

|  |  |  |
| --- | --- | --- |
| **S no.** | **Common Name** | **Zoological Name** |
|   | **Wetland/Terrestrial Bird** |   |
| 1 | Little Grebe | *Podyceps ruficollis* |
| 2 | Large Cormorant | *Phalacrocorax carbo* |
| 3 | Little Cormorant | *Phalacrocorax niger* |
| 4 | Darter | *Anhinga melanogaster* |
| 5 | Grey Heron | *Ardea cinerea* |
| 6 | Purple Heron | *Ardea purpurea* |
| 7 | Large Egret | *Ardea alba* |
| 8 | Little Egret | *Egretta garzetta* |
| 9 | Cattle Egret | *Bubulcus ibis* |
| 10 | Indian Pond Heron | *Ardeola grayii* |
| 11 | Little green Heron | *Ardeola striatus* |
| 12 | Openbilled Stork | *Anastomus oscitans* |
| 13 | White-necked Stork | *Ciconia episcopus* |
| 14 | Glossy Ibis | *Plegadis falcinellus* |
| 15 | Black headed Ibis | *Threskiornis melanocephalus* |
| 16 | Black Ibis | *Pseudibis papillosa* |
| 17 | Lesser Whisling Duck | *Dendrocygna javanica* |
| 18 | Greylag Goose | *Anser anser* |
| 19 | Ruddy Shelduck | *Tadorna ferruginea* |
| 20 | Cotton Teal | *Nettapus coromandelianus* |
| 21 | Northern Pintail | *Anas acuta* |
| 22 | Northern Shoveller | *Spatula clypeata* |
| 23 | Common Teal | *Anas crecca* |
| 24 | Spotbill Duck | *Anas poecilorhyncha* |
| 25 | Garganey | *Anas querquedula* |
| 26 | Comb Duck | *Sarkidiornis sylvicola* |
| 27 | Eurasian Wigeon | *Anas penelope* |
| 28 | Gadwall | *Anas strepera* |
| 29 | Red Crested Pochard | *Netta rufina*  |
| 30 | Common Pochard | *Aythya ferina* |
| 31 | Sarus Crane | *Antigone antigone* |
| 32 | Greater flamingo | *Phoenicopterus roseus* |
| 33 | Purple Swamphen | *Porphyrio porphyrio* |
| 34 | White-breasted Waterhen | *Amaurornis phoenicurus* |
| 35 | Common Coot | *Fulica atra* |
| 36 | Indian Peafowl | *Pavo cristatus* |
| 37 | River Tern | *Sterna aurantia* |
| 38 | Bronze-winged Jacana | *Metopidius indicus* |
| 39 | Pheasant-tailed Jacana | *Hydrophasianus chirurgus* |
| 40 | Black-winged Stilt | *Himantopus himantopus* |
| 41 | Red-wattled Lapwing | *Vanellus indicus* |
| 42 | Yellow –wattled Lapwing | *Vanellus malabaricus* |
| 43 | Black-tailed Godwit | *Limosa limosa* |
| 44 | Little Ringed Plover | *Charadrius dubius* |
| 45 | Little Stint | *Calidris temminckii* |
| 46 | Common Redshank | *Tringa totanus* |
| 47 | Common Green Shank | *Tringa nebularia* |
| 48 | Wood Sandpiper | *Tringa glareola* |
| 49 | Common Sandpiper | *Actitis hypoleucos* |
| 50 | Greater painted Snipe | *Rostratula benghalensis* |
| 51 | Ruff | *Philomachus pugnax* |
| 52 | Marsh Harrier | *Circus aeruginosus* |
| 53 | Black-winged Kite | *Elanus caeruleus* |
| 54 | Black Kite | *Milvus migrans* |
| 55 | Shikra | *Accipiter badus* |
| 56 | Common Kestrel | *Falco tinnunculus* |
| 57 | Crested Serpent Eagle | *Spilornis cheela* |
| 58 | Egyptian Vulture | *Neophron penrcnopterus* |
| 59 | Small Blue Kingfisher | *Alcedo atthis* |
| 60 | White-breasted Kingfisher | *Halcyon smyrnensis* |
| 61 | Pied Kingfisher | *Ceryle rudis* |
| 62 | Wire-tailed Swallow | *Hirundo smithii* |
| 63 | Red-rumped swallow | *Cecropis daurica* |
| 64 | Bluethroat | *Luscinia svecica* |
| 65 | Yellow Wagtail | *Motacilla flava* |
| 66 | Yellow Headed Wagtail | *Motacilla citreola* |
| 67 | White Wagtail | *Motacilla alba* |
| 68 | Grey wagtail | *Motsacilla cinerea* |
| 69 | Pied Waitail | *Motsacilla maderaspatensis* |
| 70 | Little brown dove | *Streptopelia senegalensis* |
| 71 | Spotted Dove | *Streptopelia chinensis* |
| 72 | Eurasian Collared Dove | *Streptopelia decaocta* |
| 73 | Rose ringed Parakeet | *Psittacula krameri*  |
| 74 | Plum Headed Parakeet | *Psittacula cyanocephala* |
| 75 | Asian koel | *Eudynaymus scolopacea* |
| 76 | Brain Fever Bird or Hawk Cuckoo | *Hierococcyx varius* |
| 77 | Pied Created Cuckoo | *Clamator jacobinus* |
| 78 | Greater Coucal | *Centropus sinensis* |
| 79 | Eurasian Wryneck | *Jynx torquila* |
| 80 | Spotted Owlet | *Athene brama* |
| 81 | Short-eared Owl | *Asia flammeus* |
| 82 | Green Bee-Eater | *Merops orientalis* |
| 83 | Blue-tailed Bee-Eater | *Merops persicus* |
| 84 | Indian Grey Hornbill | *Ocyceros birostris* |
| 85 | Hoopoe | *Upupa epops* |
| 86 | Lesser Goldenbacked Woodpecker | *Dinopium benghalense* |
| 87 | Coppersmith Barbet | *Megalaima haemacephala* |
| 88 | Black Drongo | *Dicrurus macrocercus* |
| 89 | Common Myna | *Acridotheres tristis* |
| 90 | Brahminy Myna | *Sturmus pagodarum* |
| 91 | Pied Myna | *Sturnus contra* |
| 92 | Jungle Crow | *Corvus macrorhynchos* |
| 93 | Baybacked Shrike | *Lanius vittatus* |
| 94 | Great Grey Shrike | *Lanius excubitor* |
| 95 | Long Tailed Shrike | *Lanius schach* |
| 96 | Brown Shrike | *Lanius cristatus* |
| 97 | Common Iora | *Aegithina tiphia* |
| 98 | Red-vented Bulbul | *Pycnonotus cafer* |
| 99 | Common Babbler | *Turdoides caudatus* |
| 100 | Jungle Babbler | *Turdoides straitus* |
| 101 | Grey Francolin | *Francolinus pondicerianus* |
| 102 | Painted Francolin | *Francolinus pictus* |
| 103 | Jungle Bush Quail | *Perdicula asiatica* |
| 104 | Paradise Flycatcher | *Terpsiphone paradisi* |
| 105 | White-browed Fantail Flycatcher  | *Rhipidura aureola* |
| 106 | Indian Robin | *Copsychus fulicatus* |
| 107 | Oriental Magpie Robin | *Copsychus saularis* |
| 108 | Indian Roller | *Coracius benghalensis* |
| 109 | Ashy crowned Lark | *Eremopterix grisea* |
| 110 | Rufous bellied Lark | *Ammomanes phoenicurus* |
| 111 | Sykes’s Crested Lark | *Galarida deva* |
| 112 | Singing Bushlark | *Mirafra carnitillans* |
| 113 | Black Redstart | *Phoenicurus ochruros* |
| 114 | Ashy Prinia | *Prinia socialis* |
| 115 | Grey breasted Prinia | *Prinia hodgsonii* |
| 116 | Plain Prinia | *Prinia inornata* |
| 117 | Greenish Warbler | *Phylloscopus trochiloides* |
| 118 | Streaked Fantail Warbler | *Zitting cisticola* |
| 119 | Paddy Field Pipit | *Anthus rufulus* |
| 120 | Crested Bunting | *Melophus lathami* |
| 121 | Common stonechat | *Saxocola leucura* |
| 122 | Pied Bushchat | *Saxicola caprata* |
| 123 | Purple Sunbird | *Cinnyris asiatica* |
| 124 | Tailor Bird | *Orthotomus sutorius* |
| 125 | Oriental White-Eye | *Zosterops palpebrosa* |
| 126 | House Sparrow | *Passer domesticus* |
| 127 | Indian Silverbill | *Lonchura malabarica* |
| 128 | Isabelline Wheatear  | *Oenanthe isabellina* |
| 129 | Scaly breasted Munia or Spotted Munia | *Lonchura puntulata* |
| 130 | Baya weaver | *Pleoceus phlipinus*  |

**Total number of Bird Species - 130**

**Source –** Book - Birds of Sirpur Indore Published by The Nature Volunteers Indore (2012)

1. **Fishes Species**

|  |  |  |
| --- | --- | --- |
| **S. No** | **Species** | **Family** |
|  | *Cyprinus carpio* | Cyprinidae |
|  | *Labeo rohita* | Cyprinidae |
|  | *Labeo calbasu* | Cyprinidae |
|  | *Labeo dero* | Cyprinidae |
|  | *Cirrhinus mrigala* | Cyprinidae |
|  | *Catla catla* | Cyprinidae |
|  | *Puntius conchonius* | Cyprinidae |
|  | *Puntius sarana* | Cyprinidae |
|  | *Puntius ticto* | Cyprinidae |
|  | *Notopterus notopterus* | Notopteridae |
|  | *Chanda ranga* | Ambassidae |
|  | *Chanda nama* | Ambassidae |
|  | *Glossogobius giuris* | Gobiidae |
|  | *Mastacembelus pancalus* | Mastacembelidae |
|  | *Mastacembelus armatus* | Mastacembelidae |
|  | *Ompok bimaculatus*  | Siluridae |
|  | *Wallago attu* | Siluridae |
|  | *Mystus bleekeri* | Bagridae |
|  | *Mystus seenghala* | Bagridae |
|  | *Gonialosa manmina* | Clupeidae |
|  | *Gudusia chapra* | Clupeidae |
|  | *Xenentodon cancila* | Belonidae |
|  | *Channa marulius* | Ophiocephalidae |
|  | *Channa striatus* | Ophiocephalidae |
|  | *Heteropneustes fossilis* | Saccobranchidae |
|  | *Colisa fasciatus* | Anabantidae |
|  | *Oxygaster bacaila,* | Cyprinidae |
|  | *Osteobrama cotio* | [Cyprinidae](https://en.wikipedia.org/wiki/Cyprinidae) |
|  | *Rasbora daniconius* | [Cyprinidae](https://en.wikipedia.org/wiki/Cyprinidae) |
|  | *Clupisoma garua* | Schilbeidae |
|  | **Total number of Fish Species - 30** | **Source: Public consultation** |

**Annexure – V**

**List of Species of Conservation Significance (Rare, Endangered, Threatened, Endemic Species)**

1. **Bird Species**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Common Name** | ***Sceintific Name*** | **Category** |
| 1 | River Lapwing | *Vanellusduvaucelii* | NT |
| 2 | Black-tailed Godwit | *Limosalimosa* | NT |
| 3 | White-necked Stork | *Ciconiaepiscopus* | VU |
| 4 | Sarus Crane | *Antigone Antigone* | VU |
| **Source:** Red data book, **Note :** NT –Near Threatened, VU- Vulnerable |

|  |
| --- |
|  |