#### **Appendix 1 Bird residential types**

| **No.** | **Scientific name** | **Common Name** | **Residential types** |
| --- | --- | --- | --- |
| 1 | *Francolinus pintadeanus* | Chinese Francolin | R |
| 2 | *Coturnix coturnix* | Common Quail | P |
| 3 | *Synoicus chinensis* | Asian Blue Quail | P |
| 4 | *Dendrocygna javanica* | Lesser Whistling-duck | P |
| 5 | *Cygnus columbianus* | Tundra Swan | W |
| 6 | *Cygnus cygnus* | Whooper Swan | W |
| 7 | *Tadorna ferruginea* | Ruddy Shelduck | W |
| 8 | *Spatula querquedula* | Garganey | W |
| 9 | *Mareca strepera* | Gadwall | W |
| 10 | *Mareca falcata* | Falcated Duck | W |
| 11 | *Mareca penelope* | Eurasian Wigeon | W |
| 12 | *Anas zonorhyncha* | Chinese Spot-billed Duck | W |
| 13 | *Anas platyrhynchos* | Mallard | W |
| 14 | *Anas acuta* | Northern Pintail | W |
| 15 | *Anas crecca* | Eurasian Teal | W |
| 16 | *Aythya fuligula* | Tufted Duck | W |
| 17 | *Aythya marila* | Greater Scaup | W |
| 18 | *Caprimulgus jotaka* | Grey Nightjar | S |
| 19 | *Caprimulgus affinis* | Savanna Nightjar | S |
| 20 | *Aerodramus brevirostris* | Himalayan Swiftlet | P |
| 21 | *Hirundapus caudacutus* | White-throated Needletail | P |
| 22 | *Hirundapus cochinchinensis* | Silver-backed Needletail | P |
| 23 | *Apus pacificus* | Pacific Swift | R |
| 24 | *Apus nipalensis* | House Swift | R |
| 25 | *Centropus sinensis* | Greater Coucal | R |
| 26 | *Centropus bengalensis* | Lesser Coucal | R |
| 27 | *Phaenicophaeus tristis* | Green-billed Malkoha | R |
| 28 | *Clamator coromandus* | Chestnut-winged Cuckoo | P |
| 29 | *Eudynamys scolopaceus* | Western Koel | S |
| 30 | *Cacomantis merulinus* | Plaintive Cuckoo | S |
| 31 | *Surniculus lugubris* | Square-tailed Drongo-cuckoo | S |
| 32 | *Hierococcyx sparverioides* | Large Hawk-cuckoo | S |
| 33 | *Hierococcyx nisicolor* | Whistling Hawk-cuckoo | P |
| 34 | *Cuculus micropterus* | Indian Cuckoo | P |
| 35 | *Cuculus saturatus* | Himalayan Cuckoo | P |
| 36 | *Cuculus canorus* | Common Cuckoo | P |
| 37 | *Streptopelia orientalis* | Oriental Turtle-dove | W |
| 38 | *Streptopelia tranquebarica* | Red Turtle-dove | W |
| 39 | *Spilopelia chinensis* | Eastern Spotted Dove | R |
| 40 | *Rallina eurizonoides* | Slaty-legged Crake | P |
| 41 | *Lewinia striata* | Slaty-breasted Rail | R |
| 42 | *Rallus indicus* | Eastern Water Rail | W |
| 43 | *Zapornia fusca* | Ruddy-breasted Crake | P |
| 44 | *Zapornia pusilla* | Baillon's Crake | W |
| 45 | *Amaurornis phoenicurus* | White-breasted Waterhen | R |
| 46 | *Gallicrex cinerea* | Watercock | S |
| 47 | *Gallinula chloropus* | Common Moorhen | R |
| 48 | *Fulica atra* | Common Coot | W |
| 49 | *Tachybaptus ruficollis* | Little Grebe | R |
| 50 | *Podiceps cristatus* | Great Crested Grebe | W |
| 51 | *Turnix tanki* | Yellow-legged Buttonquail | P |
| 52 | *Turnix suscitator* | Barred Buttonquail | P |
| 53 | *Haematopus ostralegus* | Eurasian Oystercatcher | S |
| 54 | *Himantopus himantopus* | Black-winged Stilt | S |
| 55 | *Recurvirostra avosetta* | Pied Avocet | W |
| 56 | *Vanellus vanellus* | Northern Lapwing | W |
| 57 | *Vanellus cinereus* | Grey-headed Lapwing | W |
| 58 | *Pluvialis fulva* | Pacific Golden Plover | W |
| 59 | *Pluvialis squatarola* | Grey Plover | W |
| 60 | *Charadrius hiaticula* | Common Ringed Plover | W |
| 61 | *Charadrius placidus* | Long-billed Plover | W |
| 62 | *Charadrius dubius* | Little Ringed Plover | R |
| 63 | *Charadrius alexandrinus* | Kentish Plover | R |
| 64 | *Charadrius dealbatus* | White-faced Plover | P |
| 65 | *Charadrius mongolus* | Lesser Sandplover | R |
| 66 | *Charadrius leschenaultii* | Greater Sandplover | R |
| 67 | *Charadrius veredus* | Oriental Plover | P |
| 68 | *Rostratula benghalensis* | Greater Painted-snipe | S |
| 69 | *Hydrophasianus chirurgus* | Pheasant-tailed Jacana | S |
| 70 | *Numenius phaeopus* | Whimbrel | R |
| 71 | *Numenius madagascariensis* | Far Eastern Curlew | W |
| 72 | *Numenius arquata* | Eurasian Curlew | W |
| 73 | *Limosa lapponica* | Bar-tailed Godwit | W |
| 74 | *Limosa limosa* | Black-tailed Godwit | W |
| 75 | *Arenaria interpres* | Ruddy Turnstone | P |
| 76 | *Calidris tenuirostris* | Great Knot | W |
| 77 | *Calidris canutus* | Red Knot | W |
| 78 | *Calidris pugnax* | Ruff | W |
| 79 | *Calidris falcinellus* | Broad-billed Sandpiper | W |
| 80 | *Calidris acuminata* | Sharp-tailed Sandpiper | W |
| 81 | *Calidris ferruginea* | Curlew Sandpiper | W |
| 82 | *Calidris temminckii* | Temminck's Stint | W |
| 83 | *Calidris subminuta* | Long-toed Stint | W |
| 84 | *Calidris pygmaea* | Spoon-billed Sandpiper | W |
| 85 | *Calidris ruficollis* | Red-necked Stint | W |
| 86 | *Calidris alba* | Sanderling | W |
| 87 | *Calidris minuta* | Little Stint | P |
| 88 | *Calidris melanotos* | Pectoral Sandpiper | P |
| 89 | *Limnodromus semipalmatus* | Asian Dowitcher | P |
| 90 | *Scolopax rusticola* | Eurasian Woodcock | W |
| 91 | *Gallinago stenura* | Pintail Snipe | W |
| 92 | *Gallinago megala* | Swinhoe's Snipe | P |
| 93 | *Gallinago gallinago* | Common Snipe | W |
| 94 | *Xenus cinereus* | Terek Sandpiper | P |
| 95 | *Phalaropus lobatus* | Red-necked Phalarope | P |
| 96 | *Actitis hypoleucos* | Common Sandpiper | R |
| 97 | *Tringa ochropus* | Green Sandpiper | W |
| 98 | *Tringa brevipes* | Grey-tailed Tattler | W |
| 99 | *Tringa totanus* | Common Redshank | R |
| 100 | *Tringa stagnatilis* | Marsh Sandpiper | W |
| 101 | *Tringa glareola* | Wood Sandpiper | R |
| 102 | *Tringa erythropus* | Spotted Redshank | W |
| 103 | *Tringa nebularia* | Common Greenshank | R |
| 104 | *Tringa guttifer* | Spotted Greenshank | W |
| 105 | *Glareola maldivarum* | Oriental Pratincole | P |
| 106 | *Rissa tridactyla* | Black-legged Kittiwake | P |
| 107 | *Saundersilarus saundersi* | Saunders's Gull | W |
| 108 | *Larus genei* | Slender-billed Gull | P |
| 109 | *Larus brunnicephalus* | Brown-headed Gull | P |
| 110 | *Larus ridibundus* | Black-headed Gull | W |
| 111 | *Larus ichthyaetus* | Pallas's Gull | P |
| 112 | *Larus crassirostris* | Black-tailed Gull | W |
| 113 | *Larus canus* | Mew Gull | W |
| 114 | *Larus argentatus* | European Herring Gull | W |
| 115 | *Larus mongolicus* | Mongolian Gull | W |
| 116 | *Larus vegae* | Vega Gull | W |
| 117 | *Larus cachinnans* | Caspian Gull | W |
| 118 | *Larus fuscus* | Lesser Black-backed Gull | W |
| 119 | *Gelochelidon nilotica* | Common Gull-billed Tern | P |
| 120 | *Hydroprogne caspia* | Caspian Tern | W |
| 121 | *Thalasseus bergii* | Greater Crested Tern | S |
| 122 | *Sternula albifrons* | Little Tern | P |
| 123 | *Onychoprion anaethetus* | Bridled Tern | P |
| 124 | *Sterna dougallii* | Roseate Tern | S |
| 125 | *Sterna hirundo* | Common Tern | P |
| 126 | *Chlidonias hybrida* | Whiskered Tern | S |
| 127 | *Chlidonias leucopterus* | White-winged Tern | P |
| 128 | *Calonectris leucomelas* | Streaked Shearwater | S |
| 129 | *Ciconia nigra* | Black Stork | P |
| 130 | *Fregata ariel* | Lesser Frigatebird | S |
| 131 | *Phalacrocorax carbo* | Great Cormorant | W |
| 132 | *Plegadis falcinellus* | Glossy Ibis | P |
| 133 | *Platalea leucorodia* | Eurasian Spoonbill | W |
| 134 | *Platalea minor* | Black-faced Spoonbill | W |
| 135 | *Ixobrychus sinensis* | Yellow Bittern | R |
| 136 | *Ixobrychus eurhythmus* | Schrenck's Bittern | S |
| 137 | *Ixobrychus cinnamomeus* | Cinnamon Bittern | R |
| 138 | *Gorsachius melanolophus* | Malay Night-heron | S |
| 139 | *Nycticorax nycticorax* | Black-crowned Night-heron | R |
| 140 | *Butorides striata* | Green-backed Heron | R |
| 141 | *Ardeola bacchus* | Chinese Pond-heron | R |
| 142 | *Bubulcus ibis* | Cattle Egret | R |
| 143 | *Ardea cinerea* | Grey Heron | W |
| 144 | *Ardea purpurea* | Purple Heron | W |
| 145 | *Ardea alba* | Great White Egret | R |
| 146 | *Ardea intermedia* | Intermediate Egret | R |
| 147 | *Egretta garzetta* | Little Egret | R |
| 148 | *Egretta sacra* | Pacific Reef-egret | P |
| 149 | *Egretta eulophotes* | Chinese Egret | S |
| 150 | *Pandion haliaetus* | Osprey | R |
| 151 | *Elanus caeruleus* | Black-winged Kite | R |
| 152 | *Pernis ptilorhynchus* | Oriental Honey-buzzard | P |
| 153 | *Aviceda jerdoni* | Jerdon's Baza | R |
| 154 | *Aviceda leuphotes* | Black Baza | R |
| 155 | *Spilornis cheela* | Crested Serpent-eagle | R |
| 156 | *Clanga clanga* | Greater Spotted Eagle | P |
| 157 | *Hieraaetus pennatus* | Booted Eagle | P |
| 158 | *Aquila heliaca* | Eastern Imperial Eagle | W |
| 159 | *Accipiter trivirgatus* | Crested Goshawk | P |
| 160 | *Accipiter badius* | Shikra | R |
| 161 | *Accipiter soloensis* | Chinese Sparrowhawk | P |
| 162 | *Accipiter gularis* | Japanese Sparrowhawk | P |
| 163 | *Accipiter virgatus* | Besra | R |
| 164 | *Accipiter nisus* | Eurasian Sparrowhawk | R |
| 165 | *Accipiter gentilis* | Northern Goshawk | W |
| 166 | *Circus spilonotus* | Eastern Marsh-harrier | W |
| 167 | *Circus cyaneus* | Hen Harrier | P |
| 168 | *Circus melanoleucos* | Pied Harrier | P |
| 169 | *Milvus migrans* | Black Kite | P |
| 170 | *Haliastur indus* | Brahminy Kite | S |
| 171 | *Haliaeetus leucogaster* | White-bellied Sea-eagle | P |
| 172 | *Butastur indicus* | Grey-faced Buzzard | P |
| 173 | *Buteo japonicus* | Japanese Buzzard | W |
| 174 | *Otus spilocephalus* | Mountain Scops-owl | R |
| 175 | *Otus lettia* | Collared Scops-owl | R |
| 176 | *Otus sunia* | Oriental Scops-owl | R |
| 177 | *Glaucidium brodiei* | Collared Owlet | R |
| 178 | *Glaucidium cuculoides* | Asian Barred Owlet | R |
| 179 | *Ninox scutulata* | Brown Boobook | P |
| 180 | *Asio flammeus* | Short-eared Owl | W |
| 181 | *Upupa epops* | Common Hoopoe | R |
| 182 | *Eurystomus orientalis* | Oriental Dollarbird | S |
| 183 | *Halcyon smyrnensis* | White-breasted Kingfisher | R |
| 184 | *Halcyon pileata* | Black-capped Kingfisher | S |
| 185 | *Alcedo atthis* | Common Kingfisher | R |
| 186 | *Ceryle rudis* | Pied Kingfisher | R |
| 187 | *Merops philippinus* | Blue-tailed Bee-eater | S |
| 188 | *Merops viridis* | Blue-throated Bee-eater | S |
| 189 | *Jynx torquilla* | Eurasian Wryneck | W |
| 190 | *Falco tinnunculus* | Common Kestrel | R |
| 191 | *Falco amurensis* | Amur Falcon | P |
| 192 | *Falco subbuteo* | Eurasian Hobby | P |
| 193 | *Falco peregrinus* | Peregrine Falcon | R |
| 194 | *Pitta nympha* | Fairy Pitta | S |
| 195 | *Pitta moluccensis* | Blue-winged Pitta | R |
| 196 | *Artamus fuscus* | Ashy Woodswallow | R |
| 197 | *Pericrocotus divaricatus* | Ashy Minivet | P |
| 198 | *Pericrocotus cantonensis* | Brown-rumped Minivet | S |
| 199 | *Lalage melaschistos* | Black-winged Cuckooshrike | P |
| 200 | *Lanius tigrinus* | Tiger Shrike | P |
| 201 | *Lanius cristatus* | Brown Shrike | W |
| 202 | *Lanius schach* | Long-tailed Shrike | R |
| 203 | *Oriolus chinensis* | Black-naped Oriole | P |
| 204 | *Dicrurus macrocercus* | Black Drongo | R |
| 205 | *Dicrurus leucophaeus* | Ashy Drongo | S |
| 206 | *Dicrurus hottentottus* | Hair-crested Drongo | S |
| 207 | *Rhipidura albicollis* | White-throated Fantail | R |
| 208 | *Hypothymis azurea* | Black-naped Monarch | R |
| 209 | *Terpsiphone paradisi* | Indian Paradise-flycatcher | P |
| 210 | *Terpsiphone atrocaudata* | Japanese Paradise-flycatcher | P |
| 211 | *Garrulus glandarius* | Eurasian Jay | R |
| 212 | *Urocissa erythroryncha* | Red-billed Blue Magpie | R |
| 213 | *Pica serica* | Oriental Magpie | R |
| 214 | *Culicicapa ceylonensis* | Grey-headed Canary-flycatcher | P |
| 215 | *Parus major* | Great Tit | R |
| 216 | *Parus minor* | Japanese Tit | P |
| 217 | *Remiz consobrinus* | Chinese Penduline-tit | W |
| 218 | *Alauda gulgula* | Oriental Skylark | R |
| 219 | *Pycnonotus jocosus* | Red-whiskered Bulbul | R |
| 220 | *Pycnonotus xanthorrhous* | Brown-breasted Bulbul | R |
| 221 | *Pycnonotus sinensis* | Light-vented Bulbul | R |
| 222 | *Pycnonotus aurigaster* | Sooty-headed Bulbul | R |
| 223 | *Hemixos castanonotus* | Chestnut Bulbul | R |
| 224 | *Riparia riparia* | Collared Sand Martin | P |
| 225 | *Hirundo rustica* | Barn Swallow | S |
| 226 | *Cecropis daurica* | Red-rumped Swallow | S |
| 227 | *Horornis canturians* | Korean Bush-warbler | W |
| 228 | *Horornis fortipes* | Brownish-flanked Bush-warbler | R |
| 229 | *Hemitesia pallidipes* | Pale-footed Bush-warbler | R |
| 230 | *Phylloscopus inornatus* | Yellow-browed Warbler | W |
| 231 | *Phylloscopus proregulus* | Pallas's Leaf-warbler | W |
| 232 | *Phylloscopus fuscatus* | Dusky Warbler | W |
| 233 | *Phylloscopus coronatus* | Eastern Crowned Warbler | W |
| 234 | *Phylloscopus valentini* | Bianchi's Warbler | R |
| 235 | *Phylloscopus trochiloides* | Greenish Warbler | W |
| 236 | *Phylloscopus tenellipes* | Pale-legged Leaf-warbler | P |
| 237 | *Phylloscopus borealis* | Arctic Warbler | W |
| 238 | *Phylloscopus ricketti* | Sulphur-breasted Warbler | P |
| 239 | *Phylloscopus claudiae* | Claudia's Leaf-warbler | P |
| 240 | *Phylloscopus ogilviegranti* | Kloss's Leaf-warbler | W |
| 241 | *Acrocephalus tangorum* | White-browed Reed-warbler | W |
| 242 | *Arundinax aedon* | Thick-billed Warbler | W |
| 243 | *Locustella certhiola* | Pallas's Grasshopper-warbler | P |
| 244 | *Cisticola juncidis* | Zitting Cisticola | R |
| 245 | *Prinia atrogularis* | Black-throated Prinia | R |
| 246 | *Prinia superciliaris* | Hill Prinia | R |
| 247 | *Prinia rufescens* | Rufescent Prinia | R |
| 248 | *Prinia flaviventris* | Yellow-bellied Prinia | R |
| 249 | *Prinia inornata* | Plain Prinia | R |
| 250 | *Orthotomus sutorius* | Common Tailorbird | R |
| 251 | *Pomatorhinus ruficollis* | Streak-breasted Scimitar-babbler | R |
| 252 | *Alcippe davidi* | David's Fulvetta | R |
| 253 | *Leiothrix lutea* | Red-billed Leiothrix | R |
| 254 | *Garrulax canorus* | Hainan Hwamei | R |
| 255 | *Garrulax perspicillatus* | Masked Laughingthrush | R |
| 256 | *Zosterops erythropleurus* | Chestnut-flanked White-eye | P |
| 257 | *Zosterops simplex* | Swinhoe's White-eye | R |
| 258 | *Acridotheres grandis* | Great Myna | R |
| 259 | *Acridotheres cristatellus* | Crested Myna | R |
| 260 | *Spodiopsar sericeus* | Red-billed Starling | R |
| 261 | *Spodiopsar cineraceus* | White-cheeked Starling | W |
| 262 | *Gracupica nigricollis* | Black-collared Starling | R |
| 263 | *Agropsar sturninus* | Purple-backed Starling | W |
| 264 | *Sturnia sinensis* | White-shouldered Starling | R |
| 265 | *Sturnus vulgaris* | Common Starling | W |
| 266 | *Geokichla citrina* | Orange-headed Thrush | R |
| 267 | *Geokichla sibirica* | Siberian Thrush | P |
| 268 | *Zoothera aurea* | White's Thrush | P |
| 269 | *Turdus hortulorum* | Grey-backed Thrush | W |
| 270 | *Turdus cardis* | Japanese Thrush | W |
| 271 | *Turdus mandarinus* | Chinese Blackbird | W |
| 272 | *Turdus obscurus* | Eyebrowed Thrush | W |
| 273 | *Turdus pallidus* | Pale Thrush | W |
| 274 | *Copsychus saularis* | Oriental Magpie-robin | R |
| 275 | *Muscicapa griseisticta* | Grey-streaked Flycatcher | W |
| 276 | *Muscicapa sibirica* | Dark-sided Flycatcher | P |
| 277 | *Muscicapa dauurica* | Asian Brown Flycatcher | W |
| 278 | *Muscicapa muttui* | Brown-breasted Flycatcher | P |
| 279 | *Muscicapa ferruginea* | Ferruginous Flycatcher | P |
| 280 | *Cyornis hainanus* | Hainan Blue-flycatcher | R |
| 281 | *Cyornis brunneatus* | Brown-chested Jungle-flycatcher | P |
| 282 | *Niltava sundara* | Rufous-bellied Niltava | P |
| 283 | *Niltava macgrigoriae* | Small Niltava | R |
| 284 | *Cyanoptila cyanomelana* | Blue-and-white Flycatcher | P |
| 285 | *Eumyias thalassinus* | Verditer Flycatcher | R |
| 286 | *Larvivora cyane* | Siberian Blue Robin | P |
| 287 | *Larvivora sibilans* | Rufous-tailed Robin | W |
| 288 | *Cyanecula svecica* | Bluethroat | W |
| 289 | *Calliope calliope* | Siberian Rubythroat | W |
| 290 | *Tarsiger cyanurus* | Orange-flanked Bush-robin | W |
| 291 | *Myophonus caeruleus* | Blue Whistling-thrush | S |
| 292 | *Ficedula zanthopygia* | Yellow-rumped Flycatcher | P |
| 293 | *Ficedula narcissina* | Narcissus Flycatcher | P |
| 294 | *Ficedula elisae* | Green-backed Flycatcher | P |
| 295 | *Ficedula mugimaki* | Mugimaki Flycatcher | P |
| 296 | *Ficedula albicilla* | Red-throated Flycatcher | W |
| 297 | *Phoenicurus auroreus* | Daurian Redstart | R |
| 298 | *Monticola solitarius* | Blue Rock-thrush | R |
| 299 | *Monticola rufiventris* | Chestnut-bellied Rock-thrush | P |
| 300 | *Monticola gularis* | White-throated Rock-thrush | P |
| 301 | *Saxicola maurus* | Siberian Stonechat | R |
| 302 | *Saxicola stejnegeri* | Stejneger's Stonechat | W |
| 303 | *Saxicola ferreus* | Grey Bushchat | R |
| 304 | *Dicaeum minullum* | Plain Flowerpecker | R |
| 305 | *Dicaeum ignipectus* | Fire-breasted Flowerpecker | R |
| 306 | *Dicaeum cruentatum* | Scarlet-backed Flowerpecker | R |
| 307 | *Cinnyris jugularis* | Olive-backed Sunbird | R |
| 308 | *Aethopyga latouchii* | Fork-tailed Sunbird | R |
| 309 | *Passer domesticus* | House Sparrow | P |
| 310 | *Passer montanus* | Eurasian Tree Sparrow | R |
| 311 | *Lonchura striata* | White-rumped Munia | R |
| 312 | *Lonchura punctulata* | Scaly-breasted Munia | R |
| 313 | *Lonchura oryzivora* | Java Sparrow | R |
| 314 | *Motacilla tschutschensis* | Eastern Yellow Wagtail | W |
| 315 | *Motacilla citreola* | Citrine Wagtail | P |
| 316 | *Motacilla cinerea* | Grey Wagtail | W |
| 317 | *Motacilla alba* | White Wagtail | R |
| 318 | *Anthus richardi* | Richard's Pipit | W |
| 319 | *Anthus hodgsoni* | Olive-backed Pipit | W |
| 320 | *Anthus cervinus* | Red-throated Pipit | W |
| 321 | *Eophona migratoria* | Chinese Grosbeak | W |
| 322 | *Carpodacus erythrinus* | Common Rosefinch | W |
| 323 | *Chloris sinica* | Oriental Greenfinch | R |
| 324 | *Emberiza lathami* | Crested Bunting | R |
| 325 | *Emberiza tristrami* | Tristram's Bunting | W |
| 326 | *Emberiza fucata* | Chestnut-eared Bunting | W |
| 327 | *Emberiza pusilla* | Little Bunting | W |
| 328 | *Emberiza aureola* | Yellow-breasted Bunting | W |
| 329 | *Emberiza rutila* | Chestnut Bunting | W |
| 330 | *Emberiza spodocephala* | Black-faced Bunting | W |

**p.s. S summer bird, W winter bird, R resident bird, P passing bird, V vagrant bird**