

Bio-diversity

The state of Orissa is located on the eastern coast of Indian peninsula is quite rich in natural resources and has several bio-diversity hot spot areas of the Indian subcontinent. It has varied and wide spread forests harbouring dry deciduous, moist deciduous forests as well as mangroves with several unique, endemic, rare and endangered floral and faunal species. Orissa is one of the richest bio-diversity regions in Southeast Asia. It has 7 major river deltas of varies sizes and shapes formed by the rivers Subarnarekha, Budhabalanga, Baitarani, Brahmani, Mahanadi, Rushikulya and Bahuda. This region has 5 major morphological zones – the coastal plains, the middle mountainous and highlands region, the central plateaus, the western rolling uplands and major flood plains. Bhitarkanika Wildlife Sanctuary (BKWS) has been designated a Ramsar site in 2002(2nd in the state). It was declared as Bhitarkanika National Park in 1988. It is located in Kendrapara district. The deltaic region is surrounded by the rivers Brahmani and Baitarani sea. The dominant vegetation type is mangrove. Wild animals like Leopard cat, fishing cat, jungle cat, hyena, wild boar, spotted deer, porcupine, dolphin, saltwater crocodile including partially white (sankhua) crocodile, python, king cobra, water monitor lizard, terrapin, marine turtle, kingfisher, wood pecker, hornbill, bar headed geese, Brahminy duck, pintail white bellied sea eagle, tern, sea gull, waders and a large variety of resident and migratory birds can be seen.

Chandaka – Dampara Sanctury is located in between Khurda and Cuttack districts. Mixed and bamboo forests along with wild animals such as Asian Elephants, Chital, barking deer, mouse deer, wild pig, common langur, rhesus monkey, common Indian mongoose, hyena, sloth bear, ratel, monitor lizard and rock python and birds such as red jungle fowl, peafowl, crested serpent eagle and great horned owl can be seen.

Chilika, a wonder creation of nature, has been designated as a Ramsar site. Over a million migratory waterfowl and shore birds winter here. Over 400 vertebrate species have been record here. Several endangered, rare, threatened and vulnerable species are found here. 230 species of migratory and resident birds find their abode in this wetland. Some of them are Flamingo, white bellied sea eagle, Brahiminy kite, spotbilled pelican, Bar headed goose, open bill stork, spoonbill, Brahiminy duck, pigeon, pintail, shoveller and a large number of other ducks and geese, white ibis, cormorant, heron, egret, stork, stilt, avocet, gulls, tern, coot, osprey, purple moon hen, lapwing, curlew, whimbrel, godwit, sandpiper, little stint, plover, kingfisher etc. A total of 102 species of algae and 546 species of Angiospermic plants have been reported from Chilika lagoon and its immediate neighborhood. Some of the plants are Gracilaria verrucosa, Chaetomorpha linum, Enteromorpha intestinalis, Potamogeton pectinatus, Halophia ovalis, Schoenoplectus litoralis, Phramitis karka, Cassipourea cylanica etc.

In Debrigarh Sanctuary located in Bargarh district, the floral species found are Bija, Sal, Sisoo, Bandhan, Manul, Dhaura, Karada, Harda, Ainla, Bahada, Domkurdu and Bamboo. The wildlife found in this region are Tiger,

Leopard, Gaur, Sambar, Spotted deer, four horned antelope, sloth bear, wild boar, langur, porcupine, malabar giant squirrel, common civet etc. and Avifauna are peafowl, Bluejay, jungle crow, spur fowl, varieties of eagle, owls etc. Migratory birds such as great crested grebe, Brahminy duck, pintail, shoveller, godwal, tufted pochard and several ducks during winter.

Karlapat sanctuary is located close to Bhawanipatna of Kalahandi districts. The forest consists of floral species such as Bija, Asan, Harida, Karyada, Amla, Bahada, Karada, Sidha and Kumbhi. The major wildlife include Tiger, Leopard, Black panther, Elephant, Barking deer, Malabar giant squirrel, Wild pig, Sloth bear, Gaur, Sambar, Pangolin, Mouse deer, Indian Wolf, Common palm civet, Wild dog, Jungle cat, varieties of birds like Peafowl, Hornbill, Red jungle fowl, Spur fowl, partridges, Hill myna, Brahminy kite etc and reptilian fauna includes mugger crocodile, monitor lizards, snakes both poisonous and non-poisonous.

Satkoshia sanctuary spreads over four districts i.e. Angul, Cuttack, Boudh, Nayagarh. So far 400 species of plants (126 trees, 98 shrubs, 125 herbs and 51 climbers) are found.

Fauna species found in this region are highly endangered gharial, mugger, fresh water turtles along with other wildlife like Elephant, Tiger, Leopard, Sambar, Spotted deer, Barking deer, Chousingha, Mouse deer, Rhesus macaque, Langur, Porcupine, Hare, Civet cat, Ratel, Wild dog etc. 128 species of birds, 27 species of reptiles, 4 species of amphibians and 183 species of fish have been recorded in the region.

There are 94 species of orchids and 1076 species of other plants in Similipal. It includes two species of orchids which are endemic, eight plants endangered, eight species vulnerable and 34 rare species of plants. It has a rich variety of animals. The identified species of fauna include 12 species of amphibians, 29 species of reptiles, 264 species of birds and 42 species of mammals. Rare species such as black and melanistic tiger are also seen.

Sunabeda sanctuary is located close to the boundary of Chhatisgarh state. The rich flora species are piasal, teak, bija, sisoo, ashan, harida, sidha, mai, char, kumbhi, genduli, salia bamboo.

A varieties of endangered species in this region are Tiger, Leopard, Wild buffalo, Nilgai, Sambar, Gaur, Barking deer, Chital, Porcupine, Hyena, Wild boar, Langur, Rhesus monkey etc. birds like hill myna, peafowl, red jungle fowl, partridge, green pigeon, coots, dabchick, teals, snake bird, open billed stork, fishing eagle etc. are seen in this region.

Regular study on biodiversity is not being conducted. Some of the information collected from different sources is tabulated here.

| ANIMAL SPECIES (Year- 1991) | | |
|------------------------------------|--|---------------------|
| Species Category | Species Name | Species Type |
| Vulnerable | Canis lupus pallipes Sykes | Mammalia |
| Vulnerable | Platanista gangetica (Roxburgh) | Mammalia |
| Vulnerable | Felis bwngalensis (Kerr) | Mammalia |
| Endangered | Felis caracal schmitzi Matschie | Mammalia |
| Vulnerable | Dugon dugon (Muller) | Mammalia |
| Endangered | Batagur baska (Gray) | Reptilia |
| Extinct | Acinonyx jubatus venaticus (Griffith) | Mammalia |
| Endangered | Bubalus bubalis (Linnaeus) | Mammalia |

Source - Wildlife Wealth of Orissa



| ANIMAL SPECIES (Year- 2001) | | |
|------------------------------------|---|---------------------|
| Species Category | Species Name | Species Type |
| Endangered | Gharial | Reptilia |
| Vulnerable | Blackbuck (Antelope cervicapra) | Mammalia |
| Vulnerable | Tiger (Panthera tigris) | Mammalia |
| Vulnerable | Indian Pangolin (Manis crassicaudata) | Mammalia |
| Vulnerable | Fishing cat (Felis viverrina) | Mammalia |
| Endangered | Water Monitor Lizard (Varanus salvator) | Reptilia |
| Endangered | Olive Ridley Turtle (Lepidochelys olivacea) | Reptilia |
| Endangered | Green Turtle (Chelonia mydas) | Reptilia |
| Endangered | Salt water Crocodile (Crocodylus porosus) | Reptilia |
| Endangered | Python (Genus python) | Reptilia |
| Vulnerable | Peafowl | Aves |
| Endangered | Gharial Gavialis gangeticus) | Reptilia |
| Endangered | Mugger Crocodile (Crocodile palustris) | Reptilia |
| Extinct | Pink headed ducli | Aves |
| Extinct | Cheetak | Mammalia |
| Vulnerable | Felis viverrina Bennett | Mammalia |
| Vulnerable | Elephas maximus Linnaeus | Mammalia |
| Endangered | Leopard (panthera pardus) | Mammalia |
| Vulnerable | Tragulus meminna (Erleben) | Mammalia |
| Vulnerable | Cervus duvauceli G. Cuvier | Mammalia |
| Vulnerable | Antilope cervicapra (Linnaeus) | Mammalia |
| Vulnerable | Tetracerus quadricornis Blainville | Mammalia |
| Vulnerable | Bos gaurus H. Smith | Mammalia |
| Vulnerable | Pelecanus philippensis crispus Bruch | Aves |
| Rare | Ardea goliath Cretzschman | Aves |
| Endangered | Leptotilos dubius (Gmelin) | Aves |

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|------------|---|----------|
| Endangered | <i>Ciconia ciconia boyciana</i> (Swinhoe) | Aves |
| Endangered | <i>Platalea leucorodia major</i> Temminck & Schegel | Aves |
| Vulnerable | <i>Haliaeetus leucogaster</i> (Gmelin) | Aves |
| Endangered | <i>Falco peregrinus peregrinator</i> Sundevall | Aves |
| Vulnerable | <i>Pavo cristatus</i> Linnaeus | Aves |
| Endangered | <i>Athene blewitti</i> (Hume) | Aves |
| Vulnerable | <i>Anthracoceros malabaricus</i> (Gmelin) | Aves |
| Endangered | <i>Crocodylus porosus</i> Schneider | Reptilia |
| Endangered | <i>Chelonia mydas</i> (Linnaeus) | Reptilia |
| Endangered | <i>Eretmochelys imbricata</i> (Linnaeus) | Reptilia |
| Endangered | <i>Lepidochelys olivacea</i> (Escholtz) | Reptilia |
| Endangered | <i>Dermochelys coriacea</i> (Linnaeus) | Reptilia |
| Vulnerable | <i>Kachuga tecta</i> (Gray) | Reptilia |
| Vulnerable | <i>Lissemys punctata</i> (Lacepede) | Reptilia |
| Vulnerable | <i>Trionyx hurum</i> (Gray) | Reptilia |
| Endangered | <i>Chelonia mydas</i> (Linnaeus) | Reptilia |
| Vulnerable | <i>Lissemys punctata</i> (Lacepede) | Reptilia |
| Vulnerable | <i>Trionyx gangeticus</i> (Cuvier) | Reptilia |
| Vulnerable | <i>Trionyx hurum</i> Gray | Reptilia |
| Endangered | <i>Varanus bengalensis</i> (Daudin) | Reptilia |
| Endangered | <i>Varanus flavescens</i> (Hardwicke & Gray) | Reptilia |
| Endangered | <i>Tylototriton verrucosus</i> Anderson | Amphibia |
| Endangered | <i>Felis caracal schmitzi</i> Matchie | Mammalia |
| Vulnerable | <i>Gaur</i> (<i>Bibos gaurus</i>) | Mammalia |
| Endangered | Yellow Monitor (<i>Varanus flavescences</i>) | Reptilia |
| Vulnerable | Hornbills (Malabar pied Hornbill) | Aves |
| Extinct | Great Indian Bustard | Aves |
| Vulnerable | <i>Asperdertes gangeticus</i> (Cuvier) | Reptilia |
| Vulnerable | <i>Canis lupus pallipes</i> sykes | Mammalia |

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|------------|--|----------|
| Vulnerable | <i>Panthera pardus</i> (Linnaeus) | Mammalia |
| Vulnerable | <i>Panthera tigris tigris</i> (Linnaeus) | Mammalia |
| Vulnerable | <i>Platanista gangetica</i> (Roxburgh) | Mammalia |
| Vulnerable | <i>Manis crassicaudata</i> Gray | Mammalia |
| Vulnerable | <i>Dendrocygna bicolor</i> (Vieillot) | Aves |
| Extinct | <i>Rhodonessa caryophyllacea</i> (Latham) | Aves |
| Vulnerable | <i>Pandion haliaetus</i> (Linnaeus) | Aves |
| Endangered | <i>Rynchops albicollis</i> Swainson | Aves |
| Endangered | <i>Gavialis gangeticus</i> (Gmelin) | Reptilia |
| Endangered | <i>Varanus salvator</i> (Laurenti) | Reptilia |
| Extinct | <i>Acinonyx jubatus venaticus</i> (Griffith) | Mammalia |
| Vulnerable | <i>Felis bengalensis</i> (Kerr) | Mammalia |
| Endangered | <i>Felis marmorata</i> (Martin) | Mammalia |
| Endangered | <i>Leptotilos javanicus</i> (Horsfield) | Aves |
| Endangered | <i>Crocodylus palustris</i> Lesson | Reptilia |
| Endangered | <i>Lepidochelys olivacea</i> (Eschscholtz) | Reptilia |
| Endangered | <i>Dermochelys coriacea</i> (Linnaeus) | Reptilia |
| Endangered | <i>Kachuga tecta</i> (Gray) | Reptilia |
| Endangered | <i>Python molurus</i> Linnaeus | Reptilia |

Source - Office of the Chief Conservator of Forest (Wildlife) & Wildlife Wealth of Orissa

ANIMAL SPECIES –(year – 2006)

| Species Category | Species Name | Species Type |
|-------------------------|------------------------------------|---------------------|
| Vulnerable | Canis Lupus Pallipes | Mammalia |
| Extinct | Asiatic Cheetah | Mammalia |
| Vulnerable | Leopard cat | Mammalia |
| Endangered | Marbled cat | Mammalia |
| Vulnerable | Fishing cat | Mammalia |
| Endangered | Caracal | Mammalia |
| Vulnerable | Leopard | Mammalia |
| Vulnerable | Tiger | Mammalia |
| Vulnerable | Gangetic Dolphin | Mammalia |
| Vulnerable | Dugong | Mammalia |
| Vulnerable | Indian Elephant | Mammalia |
| Vulnerable | Mouse Deer | Mammalia |
| Vulnerable | Swamp Deer | Mammalia |
| Vulnerable | Black buck | Mammalia |
| Vulnerable | Four horned Antelope | Mammalia |
| Vulnerable | Dalmatian Pelican | Aves |
| Rare | Giant Heron | Aves |
| Endangered | Leatherback Sea Turtle | Reptilia |
| Vulnerable | Indian Flap-shelled Turtle | Reptilia |
| Vulnerable | Indian soft shelled Turtle | Reptilia |
| Vulnerable | Peacock marked soft shelled Turtle | Reptilia |
| Endangered | Common Indian monitor | Reptilia |
| Endangered | Water Monitor | Reptilia |
| Endangered | Desert Monitor | Reptilia |
| Endangered | Indian Rock Python | Reptilia |
| Vulnerable | Indian Bison or Gaur | Mammalia |

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|------------|----------------------------------|----------|
| Endangered | Wild Buffalo | Mammalia |
| Vulnerable | Indian Pangolin | Mammalia |
| Endangered | Green Sea Turtle | Reptilia |
| Endangered | Hawksbill Turtle | Reptilia |
| Endangered | Olive Ridley Turtle | Reptilia |
| Endangered | Yellow Monitor | Reptilia |
| Endangered | Batagur or Terrapin | Reptilia |
| Vulnerable | Indian Tent Turtle | Reptilia |
| Endangered | Estuarine or Saltwater crocodile | Reptilia |
| Endangered | Mugger | Reptilia |
| Endangered | Adjutant stork | Aves |
| Endangered | Haircrested Adjutant | Aves |
| Endangered | Eastern White Stork | Aves |
| Endangered | White Spoonbill | Aves |
| Vulnerable | Large Whistling Teal | Aves |
| Extinct | Pinkheaded Duck | Aves |
| Vulnerable | Whitebellied Sea Eagle | Aves |
| Vulnerable | Osprey | Aves |
| Endangered | Shaheen Falcon | Aves |
| Vulnerable | Indian Peafowl | Aves |
| Vulnerable | Indian Peafowl | Aves |
| Endangered | Indian Skimmer | Aves |
| Vulnerable | Malbar Pied Hornbill | Aves |
| Endangered | Gharial | Reptilia |

Source - State of Environment Report

PLANT SPECIES (Year- 2001)

| Species Category | Species Name | Species Type |
|-------------------------|----------------------------------|---------------------|
| Endemic | <i>Dendrocalamus strictus</i> | Gymnosperm |
| Endemic | <i>Acacia donaldi</i> | Angiosperm |
| Endemic | <i>Aglaia haslettiana</i> | Angiosperm |
| Endemic | <i>Aspidopteris litchinsonii</i> | Angiosperm |
| Endemic | <i>Homonoia intermedia</i> | Angiosperm |
| Endemic | <i>Mucuna minima</i> | Angiosperm |
| Endemic | <i>Oryza jeyporensis</i> | Angiosperm |
| Endemic | <i>Tragia gagei</i> | Angiosperm |
| Endemic | <i>Uvaria eucineta</i> | Angiosperm |
| Endangered | <i>Balanophora polyandra</i> | Angiosperm |
| Endangered | <i>Cassipourea ceylanica</i> | Angiosperm |
| Endangered | <i>Stemona tuberosa</i> | Angiosperm |
| Vulnerable | <i>Alphonsea madraspatana</i> | Angiosperm |
| Vulnerable | <i>Cycas circinalis</i> | Angiosperm |
| Vulnerable | <i>Gloriosa superba</i> | Angiosperm |
| Vulnerable | <i>Gretumula Brong</i> | Angiosperm |
| Vulnerable | <i>Phoenix paludosa</i> | Angiosperm |
| Vulnerable | <i>Rauvolfia serpentina</i> | Angiosperm |
| Rare | <i>Alchornea mallis</i> | Angiosperm |
| Rare | <i>Amoora cucullata</i> | Angiosperm |
| Rare | <i>Ascocentrum micranthum</i> | Angiosperm |
| Rare | <i>Bulbophyllum careyanum</i> | Angiosperm |
| Rare | <i>Capparis olacifolia</i> | Angiosperm |
| Rare | <i>Capparis roxburghii</i> | Angiosperm |
| Rare | <i>Ceropegia hirsuta</i> | Angiosperm |
| Rare | <i>Chirita hamosa</i> | Angiosperm |
| Rare | <i>Chukrasia tabularis</i> | Angiosperm |
| Rare | <i>Dipcadi montanum</i> | Angiosperm |
| Rare | <i>Dryptes assamica</i> | Angiosperm |
| Rare | <i>Eleiotis sororia</i> | Angiosperm |
| Rare | <i>Eria bambusifolia</i> | Angiosperm |
| Rare | <i>Garcinia cowa</i> | Angiosperm |
| Rare | <i>Homalium nepalense</i> | Angiosperm |
| Rare | <i>Hypericum gaitii</i> | Angiosperm |
| Rare | <i>Indigofera aspalathoides</i> | Angiosperm |
| Rare | <i>Indigofera wightii</i> | Angiosperm |
| Rare | <i>Fusticia nilgherrensis</i> | Angiosperm |
| Rare | <i>Carissa gangetica</i> | Angiosperm |
| Rare | <i>Knoxia linearis</i> | Angiosperm |
| Rare | <i>Leucas clarkei</i> | Angiosperm |
| Rare | <i>Lobelia terminalis</i> | Angiosperm |

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|---------|---------------------------|------------|
| Rare | Malaxis mackinnonii | Angiosperm |
| Rare | Maytenus bailadillana | Angiosperm |
| Rare | Maytenus rothiana | Angiosperm |
| Rare | Melasma thomsonii | Angiosperm |
| Rare | Molluga disticha | Angiosperm |
| Rare | Molluga disticha | Angiosperm |
| Rare | Natsiatum herpeticum | Angiosperm |
| Rare | Neanotis quadrilocularis | Angiosperm |
| Rare | Neocinnamomum caudatum | Angiosperm |
| Rare | Nervilia crispeta | Angiosperm |
| Rare | Nilgirianthus lupulinus | Angiosperm |
| Rare | Nothopegia heyneana | Angiosperm |
| Rare | Rhaphidophora hookeri | Angiosperm |
| Rare | Salicornia brachiata | Angiosperm |
| Rare | Schefflera roxburghiana | Angiosperm |
| Rare | Sophora glauca | Angiosperm |
| Rare | Traverniera cuneifolia | Angiosperm |
| Rare | Tephrosia roxburghiana | Angiosperm |
| Rare | Tinospora sinensis | Angiosperm |
| Rare | Richospermum grandiflorum | Angiosperm |
| Rare | Tripogon roxburghianus | Angiosperm |
| Rare | Tropidia angulosa | Angiosperm |
| Rare | Tylophora rotundifolia | Angiosperm |
| Rare | Uvaria hamiltonii | Angiosperm |
| Rare | Vibuurnum acuminatum | Angiosperm |
| Rare | Xylocarpus gangeticus | Angiosperm |
| Endemic | Cladenia | Lichens |
| Endemic | Alectoria | Lichens |
| Endemic | Parmelia | Lichens |
| Endemic | Graphis | Lichens |
| Endemic | Calicinum | Lichens |
| Endemic | Cyphelium | Lichens |
| Endemic | Caloplacae | Lichens |
| Endemic | Verrucaria | Lichens |
| Endemic | Epheba | Lichens |
| Endemic | Hymenelia | Lichens |
| Endemic | Riella | Liverworts |
| Endemic | Riccia | Liverworts |
| Endemic | Marchantic | Liverworts |
| Endemic | Sewerchiella | Liverworts |
| Endemic | Anthovrovs | Liverworts |
| Rare | Ricciocerpus | Liverworts |
| Rare | Takakia | Liverworts |

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|------------|----------------------------------|-------------------|
| Rare | <i>Olax acuminata</i> | Angiosperm |
| Rare | <i>Ophiorrhiza trichocarpos</i> | Angiosperm |
| Rare | <i>Oropetrum villosum</i> | Angiosperm |
| Rare | <i>Osbeckia rostrata</i> | Angiosperm |
| Rare | <i>Parabaena sagittata</i> | Angiosperm |
| Rare | <i>Paramignya griffithii</i> | Angiosperm |
| Rare | <i>Pavetta brevifolia</i> | Angiosperm |
| Rare | <i>Paperomia dindigulensis</i> | Angiosperm |
| Rare | <i>Persea macrantha</i> | Angiosperm |
| Rare | <i>Peucedanum dhana</i> | Angiosperm |
| Rare | <i>Phlebophyllum jeyporensis</i> | Angiosperm |
| Rare | <i>Pittosporum nepaulense</i> | Angiosperm |
| Rare | <i>Pimpinella bracteata</i> | Angiosperm |
| Rare | <i>Podostemon wallichii</i> | Angiosperm |
| Rare | <i>Polyalthia korint</i> | Angiosperm |
| Rare | <i>Polystachya flavescens</i> | Angiosperm |
| Rare | <i>Prunus gygeoides</i> | Angiosperm |
| Rare | <i>Psoralya corylifolia</i> | Angiosperm |
| Rare | <i>Psychotria adenophylla</i> | Angiosperm |
| Rare | <i>Psychotria fulva</i> | Angiosperm |
| Endemic | <i>Selaginella</i> | Fern & Fernallics |
| Endemic | <i>Equisetum</i> | Fern & Fernallics |
| Extinct | <i>Primotilices</i> | Fern & Fernallics |
| Extinct | Moraffiales | Fern & Fernallics |
| Endemic | <i>Bowenia lepdozamia</i> | Gymnosperm |
| Endemic | <i>Macrozamia</i> | Gymnosperm |
| Endemic | <i>Encephalartos</i> | Gymnosperm |
| Endemic | <i>Stangeria</i> | Gymnosperm |
| Endangered | <i>Ginkgobilola</i> | Gymnosperm |
| Rare | <i>Aralicassia</i> | Gymnosperm |
| Extinct | Coniferales | Gymnosperm |
| Rare | <i>Notothylas</i> | Liverworts |
| Endemic | <i>Funneria</i> | Mosses |
| Endemic | <i>Polytrichum</i> | Mosses |
| Endemic | <i>Webeve</i> | Mosses |
| Endemic | <i>Sphjnum</i> | Mosses |
| Rare | <i>Andreaea</i> | Mosses |
| Endemic | <i>Chara grovesii</i> | Algae |
| Endemic | <i>Chara ruda</i> | Algae |
| Endemic | <i>Chara wallichic</i> | Algae |
| Endemic | <i>Chara pashanii</i> | Algae |
| Endemic | <i>Chara hundae</i> | Algae |
| Endemic | <i>Chara lutei</i> | Algae |

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|------------|---------------------|--------|
| Endemic | Chara vardalurensis | Algae |
| Endemic | Saproleguia | Fungai |
| Endemic | Albugo | Fungai |
| Endemic | Saccharomyces | Fungai |
| Endemic | Aspergillus | Fungai |
| Endemic | Puccinia | Fungai |
| Vulnerable | Slimemoulds | Fungai |
| Vulnerable | Deutoromycetes | Fungai |

Source - The Flora of Orissa

| PLANT SPECIES (Year-2006) | | |
|----------------------------------|----------------------------|--------------|
| Species Category | Species Name | Species Type |
| Endemic | Dendrocalamus strictus | Gymnosperm |
| Endemic | Acacia donaldi | Angiosperm |
| Endemic | Oryza jeyporensis | Angiosperm |
| Endemic | Tragia gagei | Angiosperm |
| Endemic | Uvaria eucineta | Angiosperm |
| Endangered | Balanophora polyandra | Angiosperm |
| Endangered | Cassipourea ceylanica | Angiosperm |
| Endangered | Stemona tuberosa | Angiosperm |
| Vulnerable | Alphonsea madrapatana | Angiosperm |
| Vulnerable | Cycas circinalis | Angiosperm |
| Vulnerable | Gloriosa superba | Angiosperm |
| Vulnerable | Gretumula Brong | Angiosperm |
| Vulnerable | Phoenix paludosa | Angiosperm |
| Vulnerable | Rauvolfia serpentina | Angiosperm |
| Rare | Alchornea mallis | Angiosperm |
| Rare | Eleiotis sororia | Angiosperm |
| Rare | Eria bambusifolia | Angiosperm |
| Rare | Molluga disticha | Angiosperm |
| Rare | Traverniera cuneifolia | Angiosperm |
| Rare | Capparis olacifolia | Angiosperm |
| Rare | Capparis roxburghil | Angiosperm |
| Rare | Ceropegia hirsuta | Angiosperm |
| Rare | Chirita hamosa | Angiosperm |
| Rare | Chukrasia tabularis | Angiosperm |
| Rare | Dipcadi montanum | Angiosperm |
| Rare | Dryptes assamica | Angiosperm |
| Rare | Melasma thomsonii | Angiosperm |
| Rare | Natsiatum herpeticum | Angiosperm |
| Rare | Neocinnamomum caudatum | Angiosperm |
| Rare | Nervilia crispeta | Angiosperm |
| Rare | Nilgirianthus lupulinus | Angiosperm |
| Rare | Tephrosia roxburghiana | Angiosperm |
| Endemic | Aglaias haslettiana | Angiosperm |
| Endemic | Aspidopteris laitchinsonil | Angiosperm |
| Endemic | Homonoia intermedia | Angiosperm |
| Endemic | Mucuna minima | Angiosperm |
| Rare | Amoora cucullata | Angiosperm |
| Rare | Ascocentrum micranthum | Angiosperm |

| | | |
|---------|----------------------------------|-------------------|
| Rare | <i>Bulbophyllum careyanum</i> | Angiosperm |
| Rare | <i>Molluga disticha</i> | Angiosperm |
| Rare | <i>Nothopegia heyneana</i> | Angiosperm |
| Rare | <i>Rhaphidophora hookeri</i> | Angiosperm |
| Rare | <i>Salicornia brachiata</i> | Angiosperm |
| Rare | <i>Schefflera roxburghiana</i> | Angiosperm |
| Rare | <i>Sophora glauca</i> | Angiosperm |
| Rare | <i>Tinospora sinensis</i> | Angiosperm |
| Rare | <i>Richospermum grandiflorum</i> | Angiosperm |
| Rare | <i>Tripogon roxburghianus</i> | Angiosperm |
| Rare | <i>Tropidia angulosa</i> | Angiosperm |
| Rare | <i>Tylophora rotundifolia</i> | Angiosperm |
| Rare | <i>Uvaria hamiltonii</i> | Angiosperm |
| Rare | <i>Viburnum acuminatum</i> | Angiosperm |
| Rare | <i>Xylocarpus gangeticus</i> | Angiosperm |
| Endemic | <i>Epheba</i> | Lichens |
| Endemic | <i>Hymenelia</i> | Lichens |
| Endemic | <i>Riella</i> | Liverworts |
| Rare | <i>Ricciocerpis</i> | Liverworts |
| Rare | <i>Paperomia dindigulensis</i> | Angiosperm |
| Rare | <i>Persea macrantha</i> | Angiosperm |
| Rare | <i>Peucedanum dhana</i> | Angiosperm |
| Rare | <i>Phlebophyllum jeyporensis</i> | Angiosperm |
| Rare | <i>Pittosporum nepaulense</i> | Angiosperm |
| Rare | <i>Pimpinella bracteata</i> | Angiosperm |
| Rare | <i>Podostemon wallichii</i> | Angiosperm |
| Rare | <i>Polyalthia korint</i> | Angiosperm |
| Rare | <i>Polystachya flavescens</i> | Angiosperm |
| Rare | <i>Prunus gygeoides</i> | Angiosperm |
| Rare | <i>Psoralya corylifolia</i> | Angiosperm |
| Rare | <i>Psychotria adenophylla</i> | Angiosperm |
| Rare | <i>Psychotria fulva</i> | Angiosperm |
| Endemic | <i>Selaginella</i> | Fern & Fernallics |
| Endemic | <i>Equisetum</i> | Fern & Fernallics |
| Extinct | <i>Primotilices</i> | Fern & Fernallics |
| Extinct | <i>Moraffiales</i> | Fern & Fernallics |
| Endemic | <i>Bowenia lepdozamia</i> | Gymnosperm |
| Endemic | <i>Macrozamia</i> | Gymnosperm |
| Endemic | <i>Encephalartos</i> | Gymnosperm |
| Endemic | <i>Stangeria</i> | Gymnosperm |
| Rare | <i>Aralicassia</i> | Gymnosperm |

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| Rare | <i>Garcinia cowa</i> | Angiosperm |
| Rare | <i>Homalium nepalense</i> | Angiosperm |
| Rare | <i>Hypericum gaitii</i> | Angiosperm |
| Rare | <i>Indigofera aspalathoides</i> | Angiosperm |
| Rare | <i>Indigofera wightii</i> | Angiosperm |
| Rare | <i>Fusticia nilgherrensis</i> | Angiosperm |
| Rare | <i>Carissa gangetica</i> | Angiosperm |
| Rare | <i>Knoxia linearis</i> | Angiosperm |
| Rare | <i>Leucas clarkei</i> | Angiosperm |
| Rare | <i>Lobelia terminalis</i> | Angiosperm |
| Rare | <i>Malaxis mackinnonii</i> | Angiosperm |
| Rare | <i>Maytenus bailadillana</i> | Angiosperm |
| Rare | <i>Maytenus rothiana</i> | Angiosperm |
| Endangered | <i>Ginkgobilola</i> | Gymnosperm |
| Extinct | Coniferales | Gymnosperm |
| Rare | Notothylas | Liverworts |
| Endemic | <i>Funneria</i> | Mosses |
| Endemic | <i>Polytrichum</i> | Mosses |
| Endemic | <i>Sphjnum</i> | Mosses |
| Endemic | <i>Andreaea</i> | Mosses |
| Endemic | <i>Chara grovesii</i> | Algae |
| Endemic | <i>Chara ruda</i> | Algae |
| Endemic | <i>Chara wallichic</i> | Algae |
| Endemic | <i>Chara pashanii</i> | Algae |
| Endemic | <i>Chara hundae</i> | Algae |
| Endemic | <i>Chara lutei</i> | Algae |
| Endemic | <i>Cladenia</i> | Lichens |
| Endemic | <i>Alectoria</i> | Lichens |
| Endemic | <i>Parmelia</i> | Lichens |
| Endemic | <i>Graphis</i> | Lichens |
| Endemic | <i>Calicium</i> | Lichens |
| Endemic | <i>Cyphelium</i> | Lichens |
| Endemic | Caloplancee | Lichens |
| Endemic | <i>Verrucaria</i> | Lichens |
| Endemic | <i>Riccia</i> | Liverworts |
| Endemic | Marchantic | Liverworts |
| Rare | <i>Takakia</i> | Angiosperm |
| Rare | <i>Olax acuminata</i> | Angiosperm |
| Rare | <i>Ophiorrhiza trichocarpos</i> | Angiosperm |
| Rare | <i>Oropetrum villosum</i> | Angiosperm |
| Rare | <i>Osbeckia rostrata</i> | Angiosperm |
| Rare | <i>Parabaena sagittata</i> | Angiosperm |
| Rare | <i>Paramignya griffithii</i> | Angiosperm |

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|------------|--------------------------------|------------|
| Rare | <i>Pavetta brevifolia</i> | Angiosperm |
| Rare | <i>Paperomia dindigulensis</i> | Angiosperm |
| Rare | <i>Andreaea</i> | Mosses |
| Rare | <i>Andreaea</i> | Mosses |
| Endemic | <i>Chara vardalurensis</i> | Algae |
| Endemic | <i>Saproleguia</i> | Fungai |
| Endemic | <i>Albugo</i> | Fungai |
| Endemic | <i>Saccharomyces</i> | Fungai |
| Endemic | <i>Aspergillus</i> | Fungai |
| Endemic | <i>Puccinia</i> | Fungai |
| Endemic | Slimemoulds | Fungai |
| Vulnerable | <i>Deutoromycetes</i> | Fungai |

Source - The Flora of Orissa