

**MARKI MANGLI OPENCAST COAL MINING PROJECT,**  
**Project Area 339.467 Ha Village(s): Savli, Ruikot, Pardi and Mukutban**  
**Tahsil – Jhari Jamni, District – Yavatmal, Maharashtra,**

**LIST OF FLORA WITHIN CORE AND BUFFER ZONE**

**TREES:**

| S. No | Botanical Name                                                            | Local Name               | Family        | Core | Buffer |
|-------|---------------------------------------------------------------------------|--------------------------|---------------|------|--------|
| 1     | <i>Acacia catechu</i> (L.f.) Willd.                                       | Khair                    | Fabaceae      | *    | *      |
| 2     | <i>Acacia concinna</i> (Willd.) DC.                                       | Sikakai                  | Fabaceae      | *    | *      |
| 3     | <i>Acacia leucophloea</i> (Roxb.) Willd.                                  | Hiwar/Reunjha            | Fabaceae      | *    | *      |
| 4     | <i>Aegle marmelos</i> (L.) Corrêa                                         | Bel                      | Rutaceae      | -    | *      |
| 5     | <i>Ailanthus excelsa</i> Roxb.                                            | Maharukh/<br>Mahaneem    | Simarubiaceae | *    | *      |
| 6     | <i>Albizia lebbek</i> (L.) Benth.                                         | Kala siris               | Fabaceae      | *    | *      |
| 7     | <i>Albizia odoratissima</i> (L.f.) Benth.                                 | Chichwa                  | Fabaceae      | *    | *      |
| 8     | <i>Albizia procera</i> (Roxb.) Benth.                                     | Safed Siris/<br>Karahi   | Fabaceae      | *    | *      |
| 9     | <i>Anogeissus latifolia</i> (Roxb. ex DC.)<br>Wall. ex Guillem. & Perr.   | Dhaora/Dhawda            | Combretaceae  | *    | *      |
| 10    | <i>Azadiracta indica</i> A.Juss.                                          | Neem                     | Meliaceae     | *    | *      |
| 11    | <i>Balanites aegyptiaca</i> (L.) Del.                                     | Hingot                   | Balanitaceae  | *    | *      |
| 12    | <i>Bauhinia malabarica</i> Roxb.                                          | Amti                     | Fabaceae      | *    | *      |
| 13    | <i>Bauhinia purpurea</i> L.                                               | Keolar                   | Fabaceae      | *    | *      |
| 14    | <i>Bauhinia racemosa</i> Lam.                                             | Asta/Aapta               | Fabaceae      | *    | *      |
| 15    | <i>Bauhinia variegata</i> L.                                              | Kachnar                  | Fabaceae      | *    | *      |
| 16    | <i>Bombax ceiba</i> L.                                                    | Semal                    | Malvaceae     | *    | *      |
| 17    | <i>Boswellia serrata</i> Roxb. ex Colebr.                                 | Salai/ Saliha            | Burseraceae   | *    | *      |
| 18    | <i>Bridelia retusa</i> (L.) A.Juss.                                       | Kasai/Kasahi             | Euphorbiaceae | *    | *      |
| 19    | <i>Buchanania lanzan</i> (Lour.)<br>M.R.Almeida                           | Achar/ Char<br>Chiraonji | Anacardiaceae | *    | *      |
| 20    | <i>Butea monosperma</i> (Lam.) Taub.<br>( <i>Butea Manosperma</i> Kuntze) | Palash/<br>Parsa/Padas   | Fabaceae      | *    | *      |
| 21    | <i>Careya arborea</i> Roxb.                                               | Kumbhi/ Bhui             | Mayrtaceae    | -    | *      |
| 22    | <i>Caryota urens</i> L.                                                   | Fish tail palm           | Arecaceae     | -    | *      |
| 23    | <i>Casearia graveolens</i> Dalzell                                        | Gilchi                   | Samydaceae    | *    | *      |
| 24    | <i>Casearia tomentosa</i> Roxb.                                           | Tondri                   | Samydaceae    | *    | *      |

| S. No | Botanical Name                               | Local Name     | Family         | Core | Buffer |
|-------|----------------------------------------------|----------------|----------------|------|--------|
| 25    | <i>Cassia fistula</i> L.                     | Amaltas/Bahawa | Fabaceae       | *    | *      |
| 26    | <i>Cassine glauca</i> (Rottb.) Kuntze        | Jamrasi        | Celastraceae   | *    | *      |
| 27    | <i>Catunaregam spinosa</i> (Thunb.) Tirveng. | Mainphal       | Rubiaceae      | *    | *      |
| 28    | <i>Chloroxylon swietenia</i> DC.             | Bhirra         | Meliaceae      | *    | *      |
| 29    | <i>Cochlospermum religiosum</i> (L.) Alston  | Galgala        | Bixaceae       | *    | *      |
| 30    | <i>Cocos nucifera</i> L.                     | Nariyal        | Arecaceae      |      | *      |
| 31    | <i>Cordia macleodii</i>                      | Bhokar         | Boraginaceae   | *    | *      |
| 32    | <i>Dalbergia latifolia</i> Roxb.             | Shisham        | Fabaceae       | -    | *      |
| 33    | <i>Dalbergia paniculata</i> (Roxb.) Thoth.   | Dhobin         | Fabaceae       | *    | *      |
| 34    | <i>Dalbergia sissoo</i> DC.                  | Sissoo/Sisham  | Fabaceae       | -    | *      |
| 35    | <i>Diospyros melanoxylon</i> Roxb.           | Tendu          | Ebenaceae      | *    | *      |
| 36    | <i>Diospyros montana</i> Roxb.               | Bistendu       | Ebenaceae      | *    | *      |
| 37    | <i>Dolichandrone falcata</i>                 | Medsing        | Bignoniaceae   | *    | *      |
| 38    | <i>Ehretia laevis</i> Roxb.                  | Datranga       | Boraginaaceae  | *    | *      |
| 39    | <i>Emblica officinalis</i>                   | Amla           | Phyllanthaceae | *    | *      |
| 40    | <i>Erythrina indica</i> Lam.                 | Pangra         | Fabaceae       | *    | *      |
| 41    | <i>Eucalyptus sp.</i>                        | Nilgiri        | myrtaceae      | -    | *      |
| 42    | <i>Ficus benghalensis</i> L.                 | Bad            | Moraceae       | *    | *      |
| 43    | <i>Ficus mollis</i> Vahl                     | Gular          | Moraceae       | -    | *      |
| 44    | <i>Ficus racemosa</i> L.                     | Gular          | Moraceae       | -    | *      |
| 45    | <i>Ficus religiosa</i> L.                    | Pipal          | Moraceae       | *    | *      |
| 46    | <i>Gardenia latifolia</i> Aiton              | Papra          | Rubiaceae      | -    | *      |
| 47    | <i>Garuga pinnata</i> Roxb.                  | Kekad          | Burseracea     | -    | *      |
| 48    | <i>Gmelina arborea</i> Roxb.                 | Khamhar        | Verbenaceae    | -    | *      |
| 49    | <i>Grewia tiliifolia</i> Vahl                | Dhaman         | Tilliaceae     | *    | *      |
| 50    | <i>Haldina cordifolia</i> (Roxb.) Ridsdale   | Haldu/Kalmi    | Rubiaceae      | -    | *      |
| 51    | <i>Hymenodictyon orixense</i> (Roxb.) Mabb.  | Bhanwarmal     | Rubiaceae      | *    | *      |
| 52    | <i>Kydia calycina</i> Roxb.                  | Baranga        | Malvaceae      | *    | *      |

| S. No | Botanical Name                                        | Local Name                    | Family        | Core | Buffer |
|-------|-------------------------------------------------------|-------------------------------|---------------|------|--------|
| 53    | <i>Lagerstroemia parviflora</i> Roxb.                 | Lendia                        | Lythraceae    | *    | *      |
| 54    | <i>Lannea coromandelica</i>                           | Jhingan/Movei                 | Anacardiaceae | *    | *      |
| 55    | <i>Limonia acidissima</i>                             | Kawat                         | Rutaceae      | *    | *      |
| 56    | <i>Madhuca longifolia</i>                             | Mahua                         | Sapotaceae    | *    | *      |
| 57    | <i>Mallotus philippensis</i> (Lam.) Müll. Arg.        | Sinduri/ Rori                 | Euphorbiaceae | -    | *      |
| 58    | <i>Mitragyna parvifolia</i> (Roxb.) Korth.            | Kalam/Kadam <sup>a</sup><br>b | Rubiaceae     | *    | *      |
| 59    | <i>Neolamarckia cadamba</i> (Roxb.) Bosser            | Kadamb                        | Combretaceae  | -    | *      |
| 60    | <i>Ougenia oojensis</i>                               | Tiwas                         | Fabaceae      | *    | *      |
| 61    | <i>Peltophorum ferrugineum</i> (Decne.) Benth.        | Peltaphorum                   | Fabaceae      | *    | *      |
| 62    | <i>Phoenix sylvestris</i> (L.) Roxb.                  | Khajur                        | Palmae        | *    | *      |
| 63    | <i>Polyalthia longifolia</i> (Sonn.) Thwaites         | China ashok                   | Annonaceae    |      | *      |
| 64    | <i>Pongamia pinnata</i> (L.) Pierre                   | Karanj                        | Fabaceae      | *    | *      |
| 65    | <i>Prosopis juliflora</i> (Sw.) DC.                   | Khejdi                        | Fabaceae      | *    | *      |
| 66    | <i>Psidium guajava</i> L.                             | Jam                           | myrtaceae     | -    | *      |
| 67    | <i>Pterocarpus marsupium</i> Roxb.                    | Bija                          | Fabaceae      | *    | *      |
| 68    | <i>Saccopetalum tomentosum</i> Hook.f. & Thomson      | Kari                          | Annonaceae    | *    | *      |
| 69    | <i>Schleichera oleosa</i> (Lour.) Merr.               | Kusum                         | Sapindaceae   | *    | *      |
| 70    | <i>Schrebera swietenoides</i> Roxb.                   | Mokha                         | Oleaceae      | *    | *      |
| 71    | <i>Semecarpus anacardium</i> L.f.                     | Bibba                         | Anacardiaceae | *    | *      |
| 72    | <i>Senna occidentalis</i> (L.) Link                   | Kasondi                       | Fabaceae      | *    | *      |
| 73    | <i>Senna siamea</i> (Lam.) H.S. Irwin & Barneby       | Acacia                        | Fabaceae      | *    | *      |
| 74    | <i>Soymida febrifuga</i> (Roxb.) A. Juss.             | Rohan                         | Meliaceae     | *    | *      |
| 75    | <i>Sterculia urens</i> Roxb.                          | Kulu                          | Sterculiaceae | -    | *      |
| 76    | <i>Stereospermum suaveolens</i> (Roxb.) DC.           | Badapadar                     | Bignoniaceae  | *    | *      |
| 77    | <i>Syzygium cumini</i> (L.) Skeels                    | Jamun                         | Myrtaceae     | *    | *      |
| 78    | <i>Tamarindus indica</i> L.                           | Imli                          | Fabaceae      | *    | *      |
| 79    | <i>Tamilnadia uliginosa</i> (Retz.) Tirveng. & Sastre | Kala Phetra                   | Rubiaceae     | *    | *      |
| 80    | <i>Tectona grandis</i> L.f.                           | Sagaun                        | Verbenaceae   | *    | *      |

| S. No | Botanical Name                                       | Local Name | Family               | Core | Buffer |
|-------|------------------------------------------------------|------------|----------------------|------|--------|
| 81    | <i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn. | Arjun      | Combretaceae         | *    | *      |
| 82    | <i>Terminalia tomentosa</i>                          | Ain/Saja   | Combretaceae         | *    | *      |
| 83    | <i>Trema orientalis</i> (L.) Blume                   | Jivan      | Urticaeaceae         | -    | *      |
| 84    | <i>Vitex negundo</i> L.                              | Morphal    | Verbenaceae          | -    | *      |
| 85    | <i>Ziziphus jujuba</i> Mill.                         | Ber        | Rhamnaceae           | *    | *      |
| 86    | <i>Alangium lamarckii</i> , Lamk.                    | Ankura     | Cornaceae            |      | *      |
| 87    | <i>Terminalia bellirica</i> , Linn.                  | Bahera     | Combretaceae         |      | *      |
| 88    | <i>Fraxinus</i>                                      | Ash Tree   | Oleaceae             |      | *      |
| 89    | <i>Mangifera indica</i>                              | Aam        | Anacardiaceae        | *    | *      |
| 90    | <i>Terminalia Chebula</i>                            | Hirda      | Combretaceae         |      | *      |
| 91    | <i>Salvadora persica</i>                             | Kharijal   | Salvadoraceae        |      | *      |
| 92    | <i>Turnera ulmifolia</i>                             | Holly      | Passifloraceae       |      | *      |
| 93    | <i>Ceiba pentandra</i>                               | Cotton     | Malvaceae            | *    | *      |
| 94    | <i>Casuarina equisetifolia</i>                       | Jhau       | Casuarinaceae        |      | *      |
| 95    | <i>Streblus asper</i> , Lour.                        | Sheora     | Moraceae             |      | *      |
| 96    | <i>Salix willow</i>                                  | Osiers     | Salicaceae           |      | *      |
| 97    | <i>Phyllanthus emblica</i> , Linn.                   | Amla       | Phyllanthaceae       | *    | *      |
| 98    | <i>Spondias mangifera</i> , Linn.                    | Amra       | Anacardiaceae        |      | *      |
| 99    | <i>Hardwickia binata</i> , Roxb.                     | Anjan      | Fabaceae             |      | *      |
| 100   | <i>Ficus hispida</i> , Linn.                         | Dumur      | Moraceae             |      | *      |
| 101   | <i>Cochlospermum gossypium</i> , Kunth.              | Gabdi      | Cochlosperma<br>ceae |      | *      |
| 102   | <i>Cordia myxa</i> , Linn.                           | Lashora    | Boraginaceae         |      | *      |
| 103   | <i>Erythrina stricta</i> , Linn.                     | Madar      | Fadaceae             |      | *      |
| 104   | <i>Aglaia rexburghiana</i> , Lour.                   | Priyangu   | Meliaceae            |      | *      |
| 105   | <i>Cassia siamea</i> , Linn.                         | Minijiri   | Fabaceae             |      | *      |
| 106   | <i>Holoptelia integrifolia</i> planch.               | Paperi     | Ulmaceae             |      | *      |
| 107   | <i>Trewia nudiflora</i> , Linn.                      | Pitali     | Euphorbiaceae        |      | *      |
| 108   | <i>Diospyos tomentose</i> , Linn.                    | Tamal      | Ebenaceae            |      | *      |
| Total |                                                      |            |                      | 68   | 108    |

Note: (\*) indicates presence of species & (-) indicates absence

## SHRUBS:

| S. No | Botanical Name                                                       | Local Name    | Family         | Core | Buffer |
|-------|----------------------------------------------------------------------|---------------|----------------|------|--------|
| 1     | <i>Achyranthes aspera</i> L.                                         | Chirchira     | Amaranthaceae  | *    | *      |
| 2     | <i>Balanites aegyptiaca</i> (L.) Del.                                | Hingot        | Balanitaceae   | *    | *      |
| 3     | <i>Calotropis gigantea</i> (L.) Dryand.                              | Aak           | Asclepiadaceae | *    | *      |
| 4     | <i>Colebrookea oppositifolia</i> Sm.                                 | Kalabans      | Labiatae       | *    | *      |
| 5     | <i>Dodonaea viscosa</i> subsp. <i>Aungustifolia</i> (L.f.) J.G. WEST | sadabahar     | Apocynaceae    | *    | *      |
| 6     | <i>Eranthemum pulchellum</i> Andrews                                 | Bantulsi      | Acanthaceae    | *    | *      |
| 7     | <i>Flacourtia indica</i> (Burm.f.) Merr.                             | Kakai         | Bixaceae       | *    | *      |
| 8     | <i>Gardenia gummifera</i> L.f.                                       | Dikamali      | Rubiaceae      | *    | *      |
| 9     | <i>Grewia hirsuta</i> Vahl                                           | Gutdukri      | Tiliaceae      | *    | *      |
| 10    | <i>Grewia rothii</i> DC.                                             | Bansuli       | Tiliaceae      | *    | *      |
| 11    | <i>Gymnosporia spinosa</i> (Blanco) Merr. & Rolfe                    | Baikali       | Celastraceae   | *    | *      |
| 12    | <i>Helicteres isora</i> L.                                           | Marophali     | Sterculiaceae  | *    | *      |
| 13    | <i>Hibiscus rosa-sinensis</i> L.                                     | Gudhal        | mALVACEAE      | *    | *      |
| 14    | <i>Holarrhena antidysenterica</i> (Roth) Wall. ex A.DC.              | Dhudh         | Apocynaceae    | *    | *      |
| 15    | <i>Hyptis suaveolens</i> (L.) Poit.                                  | Van Tulsi     | Meliaceae      | *    | *      |
| 16    | <i>Indigofera cassioides</i> DC.                                     | Girol         | Fabaceae       | *    | *      |
| 17    | <i>Ixora parviflora</i>                                              | Lokhandi      | Rubiaceae      | *    | *      |
| 18    | <i>Jasminum sambac</i> (L.) Aiton                                    | Bela          | Oleaceae       | *    | *      |
| 19    | <i>Justicia adhatoda</i> L.                                          | Adusa         | acanthaceae    | *    | *      |
| 20    | <i>Martynia annua</i> L.                                             | Baghanakha    | Martiniaceae   | *    | *      |
| 21    | <i>Mimosa pudica</i> L.                                              | Chhuimui      | Fabaceae       | *    | *      |
| 22    | <i>Morinda tinctoria</i>                                             | Bartondi/Aali | Rubiaceae      | *    | *      |
| 23    | <i>Mucuna pruriens</i> (L.) DC.                                      | Beeja         | Fabaceae       | *    | *      |
| 24    | <i>Nerium oleander</i> L.                                            | Lal Kaner     | Apocynaceae    | *    | *      |
| 25    | <i>Phoenix acaulis</i> Roxb.                                         | Chhind        | Palmae         | *    | *      |
| 26    | <i>Pithecellobium dulce</i> (Roxb.) Benth.                           | Bilayati Imli | Fabaceae       | *    | *      |
| 27    | <i>Prosopis cineraria</i> (L.) Druce                                 | Sami/Gugurali | Fabaceae       | *    | *      |
| 28    | <i>Ricinus communis</i> L.                                           | Arand         | Euphorbiaceae  | *    | *      |
| 29    | <i>Senna auriculata</i> (L.) Roxb.                                   | Takhad        | Fabaceae       | *    | *      |
| 30    | <i>Solanum virginianum</i> L.                                        | Bhatkataiya   | Solanaceae     | *    | *      |
| 31    | <i>Tephrosia purpurea</i> L.                                         | Sarphonka     | Fabaceae       | *    | *      |
| 32    | <i>Triumfetta rhomboidea</i> Jacq.                                   | Chipti        | Malvaceae      | *    | *      |
| 33    | <i>Urena lobata</i> L.                                               | Chikti        | Malvaceae      | *    | *      |
| 34    | <i>Wrightia tinctoria</i>                                            | Dudhi         | Apocynaceae    | *    | *      |

| S. No        | Botanical Name                        | Local Name     | Family         | Core      | Buffer    |
|--------------|---------------------------------------|----------------|----------------|-----------|-----------|
| 35           | <i>Xanthium strumarium</i> L.         | Okharu         | Asteraceae     | *         | *         |
| 36           | <i>Ziziphus mauritiana</i>            | Ber            | Rhamnaceae     | *         | *         |
| 37           | <i>Zizyphus xylopyrus</i>             | Ghoti          | Rhamnaceae     | *         | *         |
| 38           | <i>Sapindus emarginatus</i>           | Rithaz         | Sapindaceae    |           | *         |
| 39           | <i>Calotropis gigantea</i>            | Akanda         | Apocynaceae    |           | *         |
| 40           | <i>Bauhinia vahlii</i> Linn           | Maljsn         | Fabaceae       |           | *         |
| 41           | <i>Lantana camara</i>                 | Common lantana | Verbenaceae    |           | *         |
| 42           | <i>Lawsonia inermis</i>               | Mehandi        | Lythraceae     |           | *         |
| 43           | <i>Clerodendron</i>                   | Bhant          | Lamiaceae      |           | *         |
| 44           | <i>Asparagus racemosus</i> , Linn.    | Satamuli       | Asparagaceae   |           | *         |
| 45           | <i>Dalbergia volubilis</i> Linn.      | Birmunga       | Fabaceae       |           | *         |
| 46           | <i>Ephedra gerardiana</i>             | Somlata        | Ephedraceae    |           | *         |
| 47           | <i>Flacourtia cataphracta</i>         | Common Sainchi | Salicaceae     |           | *         |
| 48           | <i>Jatropha curcus</i>                | Poison nut     | Euphorbiaceae  |           | *         |
| 49           | <i>Cardenia qumifera</i>              | Bhurur         | Rubiaceae      |           | *         |
| 50           | <i>Ipemeca biloba</i>                 | Changalkhuri   | Rubiceae       |           | *         |
| 51           | <i>Cassia pumila</i> , Linn.          | Chota aura     | Caesalpinaceae |           | *         |
| 52           | <i>Abutilon hirtum</i> , Goertn.      | Jhampi         | Malvaceae      |           | *         |
| 53           | <i>Carissa spinarum</i> , Linn.       | Karamcha       | Apocynaceae    |           | *         |
| 54           | <i>Croton oblongifolius</i> , Linn.   | Putri          | Euphorbiaceae  |           | *         |
| 55           | <i>Flemingia strobilifera</i> , Roxb. | Stimbusak      | Fabaceae       |           | *         |
| 56           | <i>Desmodium latifolium</i> , Desy.   | Sunmathasura   | Fabaceae       |           | *         |
| 57           | <i>Acacia pennata</i> , Willd.        | Shembi         | Fabaceae       |           | *         |
| 58           | <i>Milletia auriculata</i> , W & A.   | Gaj            | Fabaceae       |           | *         |
| 59           | <i>Vitis pedata</i> , Linn.           | Colilata       | Vitaceae       |           | *         |
| 60           | <i>Acacia caesia</i> (L.) Willd.      | Kendrojanum    | Mimosaceae     |           | *         |
| <b>Total</b> |                                       |                |                | <b>37</b> | <b>59</b> |

Note: (\*) indicates presence of species & (-) indicates absence

#### HERBS:

| S. No | Botanical Name                                  | Local Name  | Family        | Core | Buffer |
|-------|-------------------------------------------------|-------------|---------------|------|--------|
| 1     | <i>Alternanthera sessilis</i> (L.) R.Br. ex DC. | Phool ghans | Amaranthaceae | *    | *      |
| 2     | <i>Alysicarpus vaginalis</i> (L.) DC.           | Chipti      | Fabaceae      | *    | *      |
| 3     | <i>Antidesma acidum</i> Retz.                   | Khatua      | Euphorbiaceae | *    | *      |
| 4     | <i>Azanza lampas</i> (Cav.) Alef.               | Bankapas    | Malvaceae     |      | *      |
| 5     | <i>Boerhavia diffusa</i> L.                     | Punarnava   | Nictaginaceae | *    | *      |
| 6     | <i>Senna tora</i> (L.) Roxb.                    | Panwar      | Fabaceae      | *    | *      |

| S. No | Botanical Name                                         | Local Name        | Family         | Core | Buffer |
|-------|--------------------------------------------------------|-------------------|----------------|------|--------|
| 7     | <i>Andrographis paniculata</i> (Burm.f.) Wall. Ex Nees | Kalmegh           | Acanthaceae    | *    | *      |
| 8     | <i>Curculigo orchoides</i> Gaertn.                     | Kali mushli       | Hypoxidaceae   |      | *      |
| 9     | <i>Cyperus scariosus</i> R.Br.                         | Motha             | Cyperaceae     | *    | *      |
| 10    | <i>Cyperus dubius</i> Rottb.                           | Motha             | Cyperaceae     | *    | *      |
| 11    | <i>Desmodium gangeticum</i> (L.) DC.                   | Chapti            | Fabaceae       | *    | *      |
| 12    | <i>Desmodium laxiflorum</i> DC.                        | Latkani           | Fabaceae       | *    | *      |
| 13    | <i>Desmodium triflorum</i> (L.) DC.                    | Tinpatiya         | Fabaceae       | *    | *      |
| 14    | <i>Enicostemma littorale</i> Blume.                    | Naibuti           | Gentianaceae   | *    | *      |
| 15    | <i>Euphorbia hirta</i> L.                              | Dudhi             | Euphorbiaceae  | *    | *      |
| 16    | <i>Euphorbia thymifolia</i> L.                         | Choti dudhi       | Euphorbiaceae  | *    | *      |
| 17    | <i>Jatropha gossypifolia</i> L.                        | Jamal ghoti       | Euphorbiaceae  |      | *      |
| 18    | <i>Merremia emarginata</i> (Burm. f.) Hallier f.       | Muskani           | Fabaceae       |      | *      |
| 19    | <i>Ocimum basilicum</i> L.                             | Barbari tulsi     | Meliaceae      | *    | *      |
| 20    | <i>Ocimum sanctum</i> L.                               | RamaTulsi         | Meliaceae      |      | *      |
| 21    | <i>Petalidium angustitubum</i> P.G. Mey.               | Indrajata         | Acanthaceae    |      | *      |
| 22    | <i>Phyllanthus amarus</i> Schumach. & Thonn.           | Bhui Aonla        | Phyllanthaceae | *    | *      |
| 23    | <i>Sida acuta</i> Burm.f.                              | Khakhara          | Malvaceae      | *    | *      |
| 24    | <i>Sida cordifolia</i> L.                              | Bariyari          | Malvaceae      | *    | *      |
| 25    | <i>Sida rhombifolia</i> L.                             | Vishkhapadi       | Malvaceae      | *    | *      |
| 26    | <i>Tagetes erecta</i> L.                               | Genda             | Asteraceae     | *    | *      |
| 27    | <i>Tephrosia purpurea</i> (L.) Pers.                   | Sarphonka         | Fabaceae       | *    | *      |
| 28    | <i>Tridax procumbens</i> (L.) L.                       | Ghamara           | Asteraceae     | *    | *      |
| 29    | <i>Trigonella</i> sp.                                  | Ban methi         | Fabaceae       | *    | *      |
| 30    | <i>Agave</i> spp                                       | Moraba            | Asparagaceae   |      | *      |
| 31    | <i>Aloe Vera</i>                                       | Guar bhata        | Aspodelaceae   |      | *      |
| 32    | <i>Rauwolfia serpentina</i>                            | White Sarpagandha | Apocynaceae    |      | *      |
| 33    | <i>Dioscorea humbularia</i> Linn.                      | Shora alu         | Dioscoreaceae  |      | *      |
| 34    | <i>Martynia diandra</i> , Linn.                        | Bagnoki           | Martyniaceae   |      | *      |
| 35    | <i>Datura stramonium</i> , Linn.                       | Dhutura           | Solanaceae     |      | *      |

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| S. No | Botanical Name                                | Local Name    | Family          | Core | Buffer |
|-------|-----------------------------------------------|---------------|-----------------|------|--------|
| 36    | <i>Abrus precatorius</i> Linn.                | Kunxh         | Fabaceae        |      | *      |
| 37    | <i>Girardinia zeylanica</i>                   | Gand Bichua   | Urticaceae      |      | *      |
| 38    | <i>Casia absus</i> , Linn                     | Chaksubanar   | Fabaceae        |      | *      |
| 39    | <i>Cassia tora</i> , Linn.                    | Chakunda      | Fabaceae        |      | *      |
| 40    | <i>Euphorbia microphylla</i> , Linn.          | Chotakerui    | Euphorbiaceae   |      | *      |
| 41    | <i>Euphorbia drocunculoides</i> , Linn. Jychi | Khachar Dudhi | Euphorbiaceae   |      | *      |
| 42    | <i>Indigofera enneaphylla</i> , Linn.         | Bhingule      | Fabaceae        |      | *      |
| 43    | <i>Drosera burmanni</i> , Linn.               | Mukhajali     | Fabaceae        |      | *      |
| 44    | <i>Curcuma angustifolia</i>                   | Tikhur        | Zingiberaceae   |      | *      |
| 45    | <i>Cuscuta reflexa</i> , Linn.                | Algusi        | Connvolvulaceae |      | *      |
| 46    | <i>Vitis latifolia</i> , Linn.                | Gobila        | Vitaceae        |      | *      |
| 47    | <i>Spartholobus eoxburghii</i> , Hassk.       | Maula         | Fabaceae        |      | *      |
| Total |                                               |               |                 | 23   | 46     |

Note: (\*) indicates presence of species & (-) indicates absence

#### CLIMBERS:

| S. No | Botanical Name                                   | Local Name   | Family         | Core | Buffer |
|-------|--------------------------------------------------|--------------|----------------|------|--------|
| 1     | <i>Ampelocissus latifolia</i> (Roxb.) Planch.    | Jangli angur | Vitaceae       | *    | *      |
| 2     | <i>Antigonon leptopus</i> Hook. & Arn.           |              | Polygonaceae   | *    | *      |
| 3     | <i>Asparagus racemosus</i> Willd.                | Stawar       | Liliaceae      |      | *      |
| 4     | <i>Spatholobus parviflorus</i> (DC.) Kuntze      | Nasbel       | Fabaceae       | *    | *      |
| 5     | <i>Butea superba</i> Roxb.                       | Palas bel    | Fabaceae       | *    | *      |
| 6     | <i>Capparis zeylanica</i>                        | Waghata      | Capparidaceae  | *    | *      |
| 7     | <i>Celastrus paniculatus</i> Willd.              | Mal Kangni   | Celastraceae   | *    | *      |
| 8     | <i>Cocculus hirsutus</i> (L.) W.Theob.           | Jaljamni     | Menispermaceae | *    | *      |
| 9     | <i>Cryptolepis dubia</i> (Burn.f.) M.R.Almeida   | Karanta      | Asclepiadaceae | *    | *      |
| 10    | <i>Dioscorea bulbifera</i> L.                    |              | Dioscoreaceae  | *    | *      |
| 11    | <i>Dioscorea hispida</i> Dennst.                 | Baichandi    | Dioscoreaceae  | *    | *      |
| 12    | <i>Dioscorea pentaphylla</i> L.                  | Musalkand    | Dioscoreaceae  | *    | *      |
| 13    | <i>Diplocyclos palmatus</i> (L.) C. Jeffrey      |              | Cucurbitaceae  | *    | *      |
| 14    | <i>Hemidesmus indicus</i> (L.) R. Br. ex Schult. |              | Apocynaceae    | *    | *      |
| 15    | <i>Ichnocarpus frutescens</i> (L.) W.T.Aiton     | Dhimar Bel   | Apocynaceae    | *    | *      |
| 16    | <i>Ipomoea pes-tigridis</i> L.                   |              | convolvulaceae | *    | *      |
| 17    | <i>Pergularia daemia</i> (Forssk.) Chiov.        | Kadukand     | Apocynaceae    | *    | *      |
| 18    | <i>Rhynchosia minima</i> (L.) DC.                | Ban sem      | Fabaceae       | *    | *      |
| 19    | <i>Tinospora cordifolia</i> (Willd.) Miers       | Giloy        | Menispermaceae | *    | *      |
| 20    | <i>Tylophora indica</i> (Burm. f.) Merr.         | Dambela      | Apocynaceae    | *    | *      |

| S. No | Botanical Name                          | Local Name   | Family      | Core | Buffer |
|-------|-----------------------------------------|--------------|-------------|------|--------|
| 21    | <i>Vallisneria spiralis</i> (L.) Kuntze | Dudhbela     | Apocynaceae | *    | *      |
| 22    | <i>Ventilago denticulata</i> Willd.     | Keoti        | Rhamnaceae  | *    | *      |
| 23    | <i>Ampelocissus indica</i> (L.) Planch. | Jangli angur | vitaceae    | *    | *      |
| 24    | <i>Ziziphus oenoplia</i> (L.) Mill.     | Makor        | Rhamnaceae  | *    | *      |
| Total |                                         |              |             | 23   | 24     |

Note: (\*) indicates presence of species & (-) indicates absence

#### GRASSES & BAMBOOS:

| S. No | Botanical Name                                                 | Local Name        | Family     | Core | Buffer |
|-------|----------------------------------------------------------------|-------------------|------------|------|--------|
| 1     | <i>Aristida setacea</i> Retz.                                  | Bargi Ronda       | Poaceae    | *    | *      |
| 2     | <i>Arundinella setosa</i> Trin.                                | Sidi              | Poaceae    | *    | *      |
| 3     | <i>Bothriochloa pertusa</i> (L.) A. Camus                      | Bhond grass       | Poaceae    | *    | *      |
| 4     | <i>Cenchrus purpureus</i> (Schumacher.) Morrone                |                   | Poaceae    | *    | *      |
| 5     | <i>Cynodon dactylon</i> L.                                     | Doob              | Poaceae    | *    | *      |
| 6     | <i>Dichanthium annulatum</i> (Forssk.) Stapf                   | Chhoti Marbel     | Poaceae    | *    | *      |
| 7     | <i>Eragrostis amabilis</i> (L.) Wight & Arn.                   | Bhurbhusi         | Poaceae    | *    | *      |
| 8     | <i>Eulaliopsis binata</i> (Retz.) C.E. Hubb.                   | Bagai             | Poaceae    | *    | *      |
| 9     | <i>Heteropogon contortus</i> (L.) P. Beauv. ex Roem. & Schult. | Kushal, lampa     | Poaceae    | *    | *      |
| 10    | <i>Imperata cylindrica</i> (L.) Raeusch.                       | Chhir             | Poaceae    | *    | *      |
| 11    | <i>Eulaliopsis binata</i> (Retz.) C.E. Hubb.                   | Sabai             | Poaceae    | *    | *      |
| 12    | <i>Iseilema laxum</i> Hack.                                    | Mushan            | Poaceae    | *    | *      |
| 13    | <i>Sehima nervosum</i> (Rottler) Stapf                         | Munsel            | Poaceae    | *    | *      |
| 14    | <i>Panicum antidotale</i> Retz.                                | Kosra             | Poaceae    | *    | *      |
| 15    | <i>Panicum sumatrense</i> Roth                                 | Chire Kutik       | Poaceae    | *    | *      |
| 16    | <i>Panicum repens</i> L.                                       |                   | Poaceae    | *    | *      |
| 17    | <i>Saccharum spontaneum</i> L.                                 | Kans              | Poaceae    | *    | *      |
| 18    | <i>Sehima nervosum</i> (Rottler) Stapf                         | Sheda             | Poaceae    | *    | *      |
| 19    | <i>Setaria verticillata</i> (L.) P. Beauv.                     | Latkani           | Poaceae    | *    | *      |
| 20    | <i>Sorghum halepense</i> (L.) Pers.                            | Baru              | Poaceae    | *    | *      |
| 21    | <i>Themeda quadrivalvis</i> (L.) Kuntze                        | Gunher            | Poaceae    | *    | *      |
| 22    | <i>Bambusa bambos</i> (L.) Voss                                | Kanta bans        | Graminaeae | *    | *      |
| 23    | <i>Dendrocalamus strictus</i> (Roxb.) Nees                     | Bans              | Graminaeae | *    | *      |
| 24    | <i>Echinochloa colona</i>                                      | Sama              | Poaceae    |      | *      |
| 25    | <i>Deschampsia</i>                                             | Chhi              | Poaceae    |      | *      |
| 26    | <i>Saccharum bengalense</i>                                    | Munj              | Poaceae    |      | *      |
| 27    | <i>Bambusa balcooa</i>                                         | Baro bans         | Poaceae    |      | *      |
| 28    | <i>Thysanolaena agrostis</i>                                   | Jharu/Broom grass | Poaceae    |      | *      |
| Total |                                                                |                   |            | 23   | 28     |

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# **AQUATIC FLORA :**

| S. No | Botanical Name    | Local Name    | Family        | Core | Buffer |
|-------|-------------------|---------------|---------------|------|--------|
| 1.    | Pistia stratiotes | Water lettuce | Araceae       |      | *      |
| 2.    | Lemnoideae        | Duckweeds     | Araceae       |      | *      |
| 3.    | Nelumbo nucifera  | Indian lotus  | Nelumbonaceae |      | *      |
| 4.    | Nymphaea          | Water lillies | Nymphaeaceae  |      | *      |
|       | Total             |               |               | -    | 4      |

Note: (\*) indicates presence of species & (-) indicates absence

(Source: Primary Survey Data)

**MARKI MANGLI OPENCAST COAL MINING PROJECT,**  
**Project Area 339.467 Ha Village(s): Savli, Ruikot, Pardi and Mukutban**  
**Tahsil – Jhari Jamni, District – Yavatmal, Maharashtra,**

**LIST OF FAUNA WITHIN CORE AND BUFFER ZONE**

**MAMMALS:**

| Sr. No. | Scientific name                | Vernacular name      | Common name                | Schedules of Wildlife Act/ IUCN Status | Core Zone | Buffer Zone |
|---------|--------------------------------|----------------------|----------------------------|----------------------------------------|-----------|-------------|
| 1       | <i>Antilope cervicapra</i>     | Blackbuck            | Deer                       | I                                      | *         | *           |
| 2       | <i>Axis axis</i>               | Cheetal              | Deer                       | III/LC                                 |           | *           |
| 3       | <i>Boselaphus tragocamelus</i> | Nilgai               | Blue bull                  | III/LC                                 |           | *           |
| 4       | <i>Canis aureus</i>            | Kolha                | Jackal                     | II/LC                                  |           | *           |
| 5       | <i>Canis lupus pallipes</i>    | Indian Wolf          | Kolha                      | I                                      | *         | *           |
| 6       | <i>Cervus unicolor</i>         | Sambar               | Sambar                     | III/VU                                 |           | *           |
| 7       | <i>Cuon alpinus</i>            | Dhol                 | Wild Dog                   | II/EN                                  |           | *           |
| 8       | <i>Felis chaus</i>             | Ranmanjar            | Jungle cat                 | II/LC                                  | *         | *           |
| 9       | <i>Funambulus tristriatus</i>  | Khar                 | Five striped palm squirrel | IV/LC                                  | *         | *           |
| 10      | <i>Gazella bennettii</i>       | Chinkara             | Hiran                      | I                                      | *         | *           |
| 11      | <i>Herpestes edwardsi</i>      | Mongoose             | Common mongoose            | LC                                     | *         | *           |
| 12      | <i>Hyaena hyaena</i>           | Hyaena               | Wild dog                   | III                                    | *         | *           |
| 13      | <i>Hystrix indica</i>          | Indian Porcupine     | Salunki                    | II                                     | *         | *           |
| 14      | <i>Lupus nigricollis</i>       | Sasa                 | Indian hare                | IV/LC                                  |           | *           |
| 15      | <i>Melursus ursinus</i>        | Sloth bear           | Bear                       | I                                      | *         | *           |
| 16      | <i>Panthera tigris</i>         | Tiger                | Tiger                      | I                                      |           | *           |
| 17      | <i>Panthera pardus</i>         | Tendua               | Panther                    | I                                      |           | *           |
| 18      | <i>Presbytis entellus</i>      | Langur               | Bandar                     | II                                     | *         | *           |
| 19      | <i>Presbytis pileatus</i>      | Common langur        | Bandar                     | II                                     | *         | *           |
| 20      | <i>Rhesus macaque</i>          | Bandar               | Monkey                     | II/LC                                  |           | *           |
| 21      | <i>Sus scrofa cristatus</i>    | Randukkar            | Wild boar                  | III/LC                                 | *         | *           |
| 22      | <i>Tetracerus quadricornis</i> | Four Horned Antelope | Hiran                      | I                                      | *         | *           |
| 23      | <i>Vulpes bengalensis</i>      | Indian Fox           | Indian Fox                 | II/LC                                  |           | *           |
| 24      | <i>Funambulus palmarum</i>     | Indian Palm Squirrel | Khar                       | IV                                     | *         | *           |
| 25      | <i>Muntiacus muntjak</i>       | Barking Deer         | Harin                      | III                                    | *         | *           |
| 26      | <i>Manis crassicaudata</i>     | Indian Pangolin      | Ant eater                  | I                                      | *         | *           |

| Sr. No. | Scientific name            | Vernacular name        | Common name            | Schedules of Wildlife Act/ IUCN Status | Core Zone | Buffer Zone |
|---------|----------------------------|------------------------|------------------------|----------------------------------------|-----------|-------------|
| 27      | <i>Cynopterus sphinx</i>   | Bat, short-nosed fruit | Bat                    | IV/LC                                  | *         | *           |
| 28      | <i>Pteropus giganteus</i>  | Bat, Indian Flying Fox | Bat                    | IV/LC                                  | *         | *           |
| 29      | <i>Tatera indica</i>       | Gerbille, India        | Rat                    | IV/LC                                  | *         | *           |
| 30      | <i>Lepus nigricollis</i>   | Hare, Indian           | Sasa                   | IV/LC                                  | *         | *           |
| 31      | <i>Macaca mulatta</i>      | Monkey                 | Macaque Rhesus         | II/LC                                  | *         | *           |
| 32      | <i>Herpestes javanicus</i> | Mongoose               | Mongoose, Small Indian | II/LC                                  | *         | *           |
| 33      | <i>Mus booduga</i>         | Mouse                  | Mouse, Indian Field    | II/LC                                  | *         | *           |
| 34      | <i>Bandicota indica</i>    | Rat                    | Rat, Bandicoot         | IV/LC                                  | *         | *           |
| 35      | <i>Golunda ellioti</i>     | Rat                    | Rat, Indian Bush       | IV/LC                                  | *         | *           |
| Total   |                            |                        |                        |                                        | 25        | 35          |

**AVES:**

| Sr. No. | Scientific name                  | Vernacular name | Common name         | Schedules of Wildlife Act/ IUCN Status | Core | Buffer |
|---------|----------------------------------|-----------------|---------------------|----------------------------------------|------|--------|
| 1       | <i>Acridotheres tristis</i>      | Salunki         | Indian myna         | IV                                     | *    | *      |
| 2       | <i>Alauda gulgula</i>            | Turebaj chandol | Oriental skylark    | IV/LC                                  |      | *      |
| 3       | <i>Ardeola grayii</i>            | Vanchak         | Pond heron          | IV/LC                                  | *    | *      |
| 4       | <i>Columba livia</i>             | Parva           | Blue rock pigeon    | LC                                     | *    | *      |
| 5       | <i>Corvus splendens</i>          | Kawala          | House crow          | LC                                     | *    | *      |
| 6       | <i>Coturnix coturnix</i>         | Rakhi durlav    | Grey quail          | IV/LC                                  |      | *      |
| 7       | <i>Francolinus pondicerianus</i> | Chitur          | Grey francolin      | IV/LC                                  |      | *      |
| 8       | <i>Lanius vittatus</i>           | Khatik          | Baybacked shrike    | LC                                     |      | *      |
| 9       | <i>Passer domesticus</i>         | Chimni          | House sparrow       | LC                                     | *    | *      |
| 10      | <i>Pavo cristatus</i>            | mor             | Peacock             | I                                      | *    | *      |
| 11      | <i>Psittacula krameri</i>        | Popat           | Roseringed parakeet | IV/LC                                  | *    | *      |
| 12      | <i>Saxicoloides fulicata</i>     | Chirak          | Indian robin        | LC                                     | *    | *      |

| Sr. No. | Scientific name                  | Vernacular name | Common name      | Schedules of Wildlife Act/ IUCN Status | Core | Buffer |
|---------|----------------------------------|-----------------|------------------|----------------------------------------|------|--------|
| 13      | <i>Streptopelia senegalensis</i> | Hola            | Laughing dove    | IV/LC                                  |      | *      |
| 14      | <i>Phasianidae</i>               |                 | Jungle Fowl      | IV/LC                                  | *    | *      |
| 15      | <i>Estrildidae</i>               |                 | Munias           | IV/LC                                  | *    | *      |
| 16      | <i>Pycnonotidae</i>              | Bulbul          | Bulbul           | IV/LC                                  | *    | *      |
| 17      | <i>Cuculidae</i>                 | Cuckoo          | Cuckoo           | IV/LC                                  | *    | *      |
| 18      | <i>Eudynamys</i>                 | Koel            | Koel             | IV/LC                                  | *    | *      |
| 19      | <i>Milvus migrans</i>            | Kite            | Kite             | IV/LC                                  | *    | *      |
| 20      | <i>Anser anser</i>               | Goose           | Goose            | IV/LC                                  | *    | *      |
| 21      | <i>Anatidae</i>                  | Duck            | Duck             | IV/LC                                  | *    | *      |
| 22      | <i>Turdoides caudata</i>         | Common Babbler  | Common Babbler   | IV/LC                                  | *    | *      |
| 23      | <i>Oriole oriolidae</i>          | Golden Oriole   | Haldya           | IV/LC                                  | *    | *      |
| 24      | <i>Picidae</i>                   | Woodpecker      | Woodpecker       | IV/LC                                  | *    | *      |
| 25      | <i>Meropidae</i>                 | Bee-eater       | Bee-eater        | IV/LC                                  | *    | *      |
| 26      | <i>Glaucidium radiatum</i>       | Jungle Owlet    | Jungle Owlet     | IV/LC                                  | *    | *      |
| 27      | <i>Neophron percnopterus</i>     | Vulture         | Egyptian Vulture | IV/LC                                  | *    | *      |
| 28      | <i>Anatidae</i>                  | Teal            | Teal             | IV/LC                                  | *    | *      |
| 29      | <i>Sterna aurantia</i>           | River Tern      | River Tern       | VU                                     |      | *      |
| Total   |                                  |                 |                  |                                        | 23   | 29     |

#### HERPATOFUNA:

| Sr. No. | Scientific name           | Vernacular name | Common name          | Schedules of Wildlife Act/IUCN Status | Core | Buffer |
|---------|---------------------------|-----------------|----------------------|---------------------------------------|------|--------|
| 1       | <i>Calotes versicolor</i> | Sargota         | Common garden lizard | LC                                    | *    | *      |
| 2       | <i>Eryx conicus</i>       | Red sand boa    | Ghonas               | IV                                    | *    | *      |
| 3       | <i>Mabuya carinata</i>    | Sapsoli         | Common skink         | LC                                    | *    | *      |
| 4       | <i>Naja naja</i>          | Nag             | Cobra                | II/LC                                 |      | *      |
| 5       | <i>Ptyas mucosa</i>       | Dhaman          | Common rat snake     | II/LC                                 |      | *      |
| 6       | <i>Python molurus</i>     | Rock python     | Ajgar                | I                                     | *    | *      |
| 7       | <i>Rana hexadactyla</i>   | Beduk           | Indian Pond Frog     | IV/NA                                 | *    | *      |
| 8       | <i>Rana tigerinus</i>     | Beduk           | Indian Bull Frog     | IV/LC                                 | *    | *      |

| Sr. No. | Scientific name            | Vernacular name | Common name                 | Schedules of Wildlife Act/IUCN Status | Core | Buffer |
|---------|----------------------------|-----------------|-----------------------------|---------------------------------------|------|--------|
| 9       | <i>Varanus bengalensis</i> | Monitor Lizard  | Large Bengal Monitor Lizard | I                                     | *    | *      |
| 10      | <i>Daboia russelii</i>     | Viper           | Russels Viper               | II                                    | *    | *      |
| 11      | <i>Bungarus fasciatus</i>  | Krait           | Banded Krait                | IV                                    | *    | *      |
| 12      | <i>Chameleon calcarata</i> | Lizard          | Chameleon                   | II                                    | *    | *      |
| 13      | <i>Bungarus caeruleus</i>  | Snake           | Common Krait                | II/VU                                 | *    | *      |
| Total   |                            |                 |                             |                                       | 11   | 13     |

(Source: Primary Survey & Secondary Data)

Note:- NA= Not yet assessed, LC=Least Concern, VU= Vulnerable.

#### PISCES:

| Sr. No. | Scientific name                | Vernacular Name | Common Name        | Iucn status | Core | Buffer |
|---------|--------------------------------|-----------------|--------------------|-------------|------|--------|
| 1       | <i>Ambassis nama</i>           | Zanjad          | Indian glassy fish | NA          |      | *      |
| 2       | <i>Ambassis ranga</i>          | Zanjad          | Indian glassy fish | NA          |      | *      |
| 3       | <i>Barilius barna</i>          | Batri           | River carp baril   | LC          |      | *      |
| 4       | <i>Catla catla</i>             | Katla           | Major Carp         | LC          |      | *      |
| 5       | <i>Channa striatus</i>         | Dhadak          | Banded snake head  | LC          |      | *      |
| 6       | <i>Cirrhinus mrigala</i>       | Naren           | Major Carp         | LC          | *    | *      |
| 7       | <i>Clarius batracus</i>        | Mangur          | Magur              | NA          |      | *      |
| 8       | <i>Cyprinus carpio</i>         | Cipla           | Cipla              | VU          |      | *      |
| 9       | <i>Gambusia affinis</i>        | Machar Machli   | Mosquito fish      | LC          |      | *      |
| 10      | <i>Glossigobius girus</i>      | Kaddu           | Tank gobi          | NA          |      | *      |
| 11      | <i>Heteropneustes fossilis</i> | Ingur           | Stinging cat fish  | LC          |      | *      |
| 12      | <i>Labeo rohita</i>            | Rohu            | Common carp        | LC          | *    | *      |
| 13      | <i>Labeo calbasu</i>           | Black rohu      | Calbasu            | LC          |      | *      |
| 14      | <i>Mastacembelus armatus</i>   | Bamb            | Spiny eel          | LC          |      | *      |
| 15      | <i>Mystus cavasius</i>         | Singara         | Cat fish           | LC          |      | *      |

| Sr. No.                                                                                                 | Scientific name            | Vernacular Name | Common Name         | Iucn status | Core | Buffer |
|---------------------------------------------------------------------------------------------------------|----------------------------|-----------------|---------------------|-------------|------|--------|
| 16                                                                                                      | <i>Mystus seenghala</i>    | Katwa           | Gangatic mystus     | LC          |      | *      |
| 17                                                                                                      | <i>Nandus nandus</i>       | Dukkar          | Leaf fish           | LC          |      | *      |
| 18                                                                                                      | <i>Osteobrama cotio</i>    | Bhondu          | Cotio               | LC          |      | *      |
| 19                                                                                                      | <i>Punctius amphibious</i> | Ghuruti         | Scarlet Banded barb | NA          |      | *      |
| 20                                                                                                      | <i>Rita rita</i>           | Bhokhi          | Rita                | LC          |      | *      |
| 21                                                                                                      | <i>Salmostoma bacaila</i>  | Chal            | Silver fish         | LC          |      | *      |
| 22                                                                                                      | <i>Tor khudree</i>         | Mahseer         | Deccan Mahaseer     | LC          |      | *      |
| 23                                                                                                      | <i>Xenentodon cancilla</i> | Chocha          | Needle fish         | LC          |      | *      |
| Total                                                                                                   |                            |                 |                     |             | 2    | 23     |
| (Source: Primary Survey & Secondary Data) Note: NA= Not yet assessed, LC=Least Concern, VU= Vulnerable. |                            |                 |                     |             |      |        |

#### BUTTERFLIES:

| Sr. No. | Scientific name                 | Vernacular name      | Family       | Iucn status | Core | Buffer |
|---------|---------------------------------|----------------------|--------------|-------------|------|--------|
| 1       | <i>Ariadne merione</i>          | Common caster        | Nymphalidae  | NA          | *    | *      |
| 2       | <i>Catopsillia piranthe</i>     | Mottled emigrant     | Pieridae     | NA          |      | *      |
| 3       | <i>Catopsillia pomona</i>       | Common emigrant      | Pieridae     | NA          | *    | *      |
| 4       | <i>Cepora nerissa</i>           | Common gul           | Pieridae     | NA          |      | *      |
| 5       | <i>Chilades pandav</i>          | Plain cupid          | Hesperiidae  | NA          | *    | *      |
| 6       | <i>Danaus chrysippus</i>        | Plain tiger          | Nymphalidae  | LC          |      | *      |
| 7       | <i>Euploea core</i>             | common indian crow   | Nymphalidae  | LC          |      | *      |
| 8       | <i>Eurema hecabe</i>            | Common grass Yellow  | Pieridae     | NA          |      | *      |
| 9       | <i>Hypolimnas misippus</i>      | DANNAID EGG FLY      | Nymphalidae  | NA          | *    | *      |
| 10      | <i>Junoniya arithya</i>         | Blue pansy           | Nymphalidae  | NA          |      | *      |
| 11      | <i>Junoniya iphita</i>          | Chocolate pansy      | Nymphalidae  | NA          |      | *      |
| 12      | <i>Junoniya lemonias</i>        | Lemon pansy          | Nymphalidae  | NA          |      | *      |
| 13      | <i>Leptotes plinius</i>         | Zebra blue           | Lycaenidae   | NA          |      | *      |
| 14      | <i>Melanitis leda</i>           | Common evening brown | Nymphalidae  | LC          |      | *      |
| 15      | <i>Pachliopta aristolochiae</i> | Common rose          | Papilionidae | LC          |      | *      |

| Sr. No. | Scientific name               | Vernacular name      | Family       | Iucn status | Core | Buffer |
|---------|-------------------------------|----------------------|--------------|-------------|------|--------|
| 16      | <i>Papilio demoleus</i>       | Lime                 | Papilionidae | NA          |      | *      |
| 17      | <i>Papilio polytes</i>        | Common mormon        | Papilionidae | NA          | *    | *      |
| 18      | <i>Prosotas nora</i>          | common line blue     | Hesperiidae  | NA          |      | *      |
| 19      | <i>Tirumala linniace</i>      | Blue tiger           | Nymphalidae  | NA          | *    | *      |
| 20      | <i>Pachliopta hector</i>      | Crimson Rose         | Papilionidae | LC          |      | *      |
| 21      | <i>Virachola Isocrates</i>    | Guava Blue           | Lycaenidae   | II          |      | *      |
| 22      | <i>Castalius rosimon</i>      | Common pierrot       | Lycaenidae   | NA          |      | *      |
| 23      | <i>Rapala manea</i>           | Slate Flash          | Lycaenidae   | LC          |      | *      |
| 24      | <i>Synthia cardui</i>         | Painted Lady         | Nymphalidae  | NA          | *    | *      |
| 25      | <i>Ypthima asterope</i>       | Common Three Ring    | Nymphalidae  | NA          | *    | *      |
| 26      | <i>Catopsilia pomona</i>      | Common emigrant      | Pieridae     | NA          | *    | *      |
| 27      | <i>Cepora nerissa</i>         | Common Gull          | Pieridae     | NA          | *    | *      |
| 28      | <i>Eurema hecabe</i>          | Common Grass yellow  | Pieridae     | NA          | *    | *      |
| 29      | <i>Danaus chrysippus</i>      | Plain Tiger          | Nymphalidae  | NA          | *    | *      |
| 30      | <i>Danaus genutia</i>         | Striped Tiger        | Nymphalidae  | NA          | *    | *      |
| 31      | <i>Euploea core</i>           | Common crow          | Nymphalidae  | NA          | *    | *      |
| 32      | <i>Junonia lemonias</i>       | Lemon Pansy          | Nymphalidae  | NA          | *    | *      |
| 33      | <i>Junonia orithya</i>        | Blue Pansy           | Nymphalidae  | NA          | *    | *      |
| 34      | <i>Melanitis leda</i>         | Common evening brown | Nymphalidae  | NA          | *    | *      |
| 35      | <i>Hypolimnas bolina</i>      | Great eggfly         | Nymphalidae  | NA          | *    | *      |
| 36      | <i>Tirumala septentrionis</i> | Dark Blue Tiger      | Nymphalidae  | NA          | *    | *      |
| Total   |                               |                      |              |             | 19   | 36     |

(Source: Primary Survey & Secondary Data)

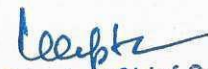
  
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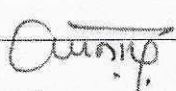
INSECTS :

| Sr. No. | Scientific name        | Common name        | Iuen status | Core | Buffer |
|---------|------------------------|--------------------|-------------|------|--------|
| 1       | Poduridae              | Podura             | LC/UNS      | *    | *      |
| 2       | Blatta orientalis      | Cockroach          | LC/UNS      | *    | *      |
| 3       | Mantodea               | Mantis             | LC/UNS      | *    | *      |
| 4       | Chinavia hilaris       | Green Stink Bugs   | LC/UNS      | *    | *      |
| 5       | Pyrrhocoridae          | Red Bugs           | LC/UNS      | *    | *      |
| 6       | Formicidae             | Ant                | LC/UNS      | *    | *      |
| 7       | Solenopsis spp.        | Red Ant (Fire Ant) | LC/UNS      | *    | *      |
| 8       | Paraponera clavata     | Bullet Ant         | LC/UNS      | *    | *      |
| 9       | Apis dorsata           | Giant Honey Bee    | LC/UNS      | *    | *      |
| 10      | Apis dorsata           | Rock Bee           | LC/UNS      | *    | *      |
| 11      | Apis spp.              | Honey Bee          | LC/UNS      | *    | *      |
| 12      | Andrenidae             | Bee                | LC/UNS      | *    | *      |
| 13      | Bombus spp.            | Black Bee          | LC/UNS      | *    | *      |
| 14      | Vespidae               | Yellow Wasps       | LC/UNS      | *    | *      |
| 15      | Ichneumonidae          | Wasps              | LC/UNS      | *    | *      |
| 16      | Chilomenes s. maculate | Ladybird           | LC/UNS      | *    | *      |
| 17      | Meloidae               | Blister Beetle     | LC/UNS      | *    | *      |
| 18      | Honotricha serrate     | Grubs              | LC/UNS      | *    | *      |
|         | Total                  |                    |             | 18   | 18     |

Note:- NA= Not yet assessed, LC=Least Concern, VU= Vulnerable. UNS=Unscheduled

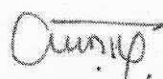
| Class        | Core Zone | Buffer Zone | TOTAL |
|--------------|-----------|-------------|-------|
| Mammals      | 23        | 33          | 33    |
| Herpatofauna | 11        | 13          | 13    |
| Aves         | 23        | 29          | 29    |
| Pisces       | 2         | 23          | 23    |
| Butterfly    | 19        | 36          | 36    |
| Insects      | 18        | 18          | 18    |
| TOTAL        | 96        | 152         | 152   |

  
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Maharashtra State, Nagpur

  
Deputy Conservator of Forest

**LIST OF SCHEDULE -I SPECIES AS PER WPA, 1972**

| S. No. | Scientific Name                | English / vernacular Name   | WPA 72 Schedule | Class        |
|--------|--------------------------------|-----------------------------|-----------------|--------------|
| 1      | <i>Panthera tigris</i>         | Tiger                       | Schedule-I      | Mammals      |
| 2      | <i>Panthera pardus</i>         | Leopard                     | Schedule-I      | Mammals      |
| 3      | <i>Pavo cristatus</i>          | Indian Peafowl              | Schedule-I      | Aves         |
| 4      | <i>Antelope cervicapra</i>     | Blackbuck                   | Schedule-I      | Mammals      |
| 5      | <i>Canis lupus pallipes</i>    | Indian Wolf                 | Schedule-I      | Mammals      |
| 6      | <i>Gazella bennettii</i>       | Chinkara                    | Schedule-I      | Mammals      |
| 7      | <i>Melursus ursinus</i>        | Sloth bear                  | Schedule-I      | Mammals      |
| 8      | <i>Tetracerus quadricornis</i> | Four Horned Antelope        | Schedule-I      | Mammals      |
| 9      | <i>Python molurus</i>          | Rock python                 | Schedule-I      | Herpetofauna |
| 10     | <i>Varanus bengalensis</i>     | Large Bengal Monitor Lizard | Schedule-I      | Herpetofauna |
| 11     | <i>Manis crassicaudata</i>     | Indian Pangolin             | Schedule-I      | Mammals      |

  
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