

ANNEXURE-IX
ECOLOGY

TABLE-1
FLORA/VEGETATION WITHIN THE STUDY AREA (10 KM RADIUS)

Sr. No.	Technical Name	Family	Life form
I. Agricultural Crops			
1	<i>Sorghum vulgare</i>	Poaceae	Hemicryptophyte
2	<i>Triticum vulgare</i>	Poaceae	Hemicryptophyte
3	<i>Zea mays</i>	Poaceae	Hemicryptophyte
4	<i>Oryza sativa</i>	Poaceae	Hemicryptophyte
5	<i>Pennisetum typhoideum</i>	Poaceae	Hemicryptophyte
6	<i>Sacharum officinarum</i>	Poaceae	Hemicryptophyte
II. Commercial Crops (including vegetables)			
7	<i>Abelmoschus indicus</i>	Malvaceae	Therophyte
8	<i>Allium cepa</i>	Liliaceae	Geophyte
9	<i>Allium sativum</i>	Liliaceae	Geophyte
10	<i>Annona squamosa</i>	Annonaceae	Phanerophyte
11	<i>Arachis hypogia</i>	Fabaceae	Geophyte
12	<i>Brassica oleracea var botrydis</i>	Cruciferae	Therophyte
13	<i>Brassica oleracea var capitata</i>	Cruciferae	Therophyte
14	<i>Cajanus cajan</i>	Fabaceae	Therophyte
15	<i>Carica papaya</i>	Caricaceae	Therophyte
16	<i>Catharanthes pusillus</i>	Compositae	Therophyte
17	<i>Cicer arietinum</i>	Fabaceae	Hemicryptophyte
18	<i>Citrus lemon</i>	Ruataceae	Therophyte
19	<i>Colacasia esculenta</i>	Areaceae	Geophyte
20	<i>Coreandrum sativum</i>	Umbelliferae	Hemicryptophyte
21	<i>Daucus carota</i>	Umbelliferae	Geophyte
22	<i>Gossypium sp</i>	Malvaceae	Therophyte
23	<i>Lycopersicum esculentus</i>	Solanaceae	Therophyte
24	<i>Mangifera indica</i>	Anacardiaceae	Phanerophyte
25	<i>Memordia charantia</i>	Cucurbitaceae	Therophyte
26	<i>Pepaver somneferrum</i>	Pepavaraceae	Hemicrptophyte
27	<i>Pisum sativum</i>	Fabaceae	Therophyte
28	<i>Psidium guava</i>	Myrtaceae	Phanerophyte
29	<i>Raphanus sativa</i>	Cruciferae	Geophyte
30	<i>Solanum tuberosum</i>	Solanaceae	Geophyte
31	<i>Trichosanthes anguina</i>	Cucurbitaceae	Therophyte
III. Plantations			
32	<i>Acacia nilotica</i>	Mimosaceae	Phanerophyte
33	<i>Albizia lebbeck</i>	Mimosaceae	Phanerophyte
34	<i>Albizia odorattissima</i>	Mimosaceae	Phanerophyte
35	<i>Albizia procera</i>	Mimosaceae	Phanerophyte
36	<i>Anacardium occidentale</i>	Anacardiaceae	Phanerophyte
37	<i>Azadirachta indica</i>	Meliaceae	Phanerophyte
38	<i>Bauhinia variegata</i>	Caesalpinaceae	Phanerophyte
39	<i>Bauhinia purpuria</i>	Caesalpinaceae	Phanerophyte
40	<i>Bambusa arundanacea</i>	Poaceae	Phanerophyte
41	<i>Butea superba</i>	Caesalpinaceae	Phanerophyte
42	<i>Eucalyptus sp</i>	Myrtaceae	Phanerophyte
43	<i>Casuarina equisetifolia</i>	Casuarinaceae	Phanerophyte
44	<i>Delonix regia</i>	Caesalpinaceae	Phanerophyte
45	<i>Leucena leucophloe</i>	Caesalpinaceae	Phanerophyte
IV. Natural Vegetation/Forest Type			
46	<i>Abrus precatorius</i>	Fabaceae	Therophyte
47	<i>Abutilon indicum</i>	Malvaceae	Phanerophyte
48	<i>Acacia Arabica</i>	Mimosaceae	Phanerophyte
49	<i>Acacia auriculiformis</i>	Mimosaceae	Phanerophyte
50	<i>Acacia catechu</i>	Mimosaceae	Phanerophyte
51	<i>Acacia leucophloe</i>	Mimosaceae	Phanerophyte

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Sr. No.	Technical Name	Family	Life form
52	<i>Acacia Senegal</i>	Mimosaceae	Phanerophyte
53	<i>Acalypha ciliate</i>	Mimosaceae	Phanerophyte
54	<i>Acanthospermum hispidum</i>	Compositae	Therophyte
55	<i>Achras sapota</i>	Sapotaceae	Phanerophyte
56	<i>Achyranthes aspera</i>	Amaranthaceae	Therophyte
57	<i>Adina cordifolia</i>	Rubiaceae	Phanerophyte
58	<i>Aegle marmelos</i>	Rutaceae	Phanerophyte
59	<i>Aerva lanata</i>	Compositae	Phanerophyte
60	<i>Agave wightii</i>	Agavaceae	Phanerophyte
61	<i>Ageratum conyzoides</i>	Compositae	Therophyte
62	<i>Ailanthus excelsa</i>	Simaroubaceae	Phanerophyte
63	<i>Aloe barbedensis</i>	Agavaceae	Geophyte
64	<i>Alstonia scholaris</i>	Apocyanaceae	Phanerophyte
65	<i>Alternanthera sessilis</i>	Amaranthaceae	Therophyte
66	<i>Alysicarpus monilifer</i>	Fabaceae	Therophyte
67	<i>Ammania baccafera</i>	Lytharaceae	Therophyte
68	<i>Anogeissus latifolia</i>	Combretaceae	Phanerophyte
69	<i>Anthocephalus cadamba</i>	Rubiaceae	Phanerophyte
70	<i>Antidesma diandrum</i>	Euphorbiaceae	Hemicryptophyte
71	<i>Argemone mexicana</i>	Papevaraceae	Phanerophyte
72	<i>Artocarpus heterophyllus</i>	Moraceae	Phanerophyte
73	<i>Asparagaus racemosus</i>	Liliaceae	Therophyte
74	<i>Atalantia monophylla</i>	Rutaceae	Therophyte
75	<i>Barleria prionoites</i>	Acanthaceae	Therophyte
76	<i>Bidens biternata</i>	Compositae	Therophyte
77	<i>Blepharis asperima</i>	Acanthaceae	Phanerophyte
78	<i>Blepharis madaraspatens</i>	Acanthaceae	Therophyte
79	<i>Blumea lacera</i>	Compositae	Therophyte
80	<i>Boerheavia chinensis</i>	Nyctaginaceae	Therophyte
81	<i>Boerheavia diffusa</i>	Nyctaginaceae	Therophyte
82	<i>Bombax ceiba</i>	Bombacaceae	Phanerophyte
83	<i>Borassus flabellifera</i>	Palmae	Phanerophyte
84	<i>Borreria hispida</i>	Rubiaceae	Therophyte
85	<i>Boswellia serrata</i>	Burseraceae	Phanerophyte
86	<i>Bridelia retusa</i>	Euphorbiaceae	Phanerophyte
87	<i>Caesalpina pulcherima</i>	Caesalpinaceae	Phanerophyte
88	<i>Calotropis gigantia</i>	Asclepiadaceae	Phanerophyte
89	<i>Calotropis procera</i>	Asclpiadaceae	Phanerophyte
90	<i>Canna indicda</i>	Cannaceae	Therophyte
91	<i>Canthium diddynam</i>	Rubiaceae	Phanerophyte
92	<i>Capparis aphylla</i>	Capparidaceae	Therophyte
93	<i>Capsicum annulatum</i>	Solanaceae	Therophyte
94	<i>Careya arborea</i>	Palmae	Phanerophyte
95	<i>Carissa carandus</i>	Apocyanaceae	Phanerophyte
96	<i>Carissa spinarium</i>	Apocyanaceae	Phanerophyte
97	<i>Caryota urens</i>	Palmae	Phanerophyte
98	<i>Casearia graveolens</i>	Samydiaceae	Phanerophyte
99	<i>Cassia auriculata</i>	Caesalpinaceae	Therophyte
100	<i>Cassia obtuse</i>	Caesalpinaceae	Therophyte
101	<i>Cassia pumella</i>	Caesalpinaceae	Therophyte
102	<i>Cassia tora</i>	Caesalpinaceae	Phanerophyte
103	<i>Cestrum diurnum</i>	Rubiaceae	Theophyte
104	<i>Cestrum noctrunum</i>	Rubiaceae	Therophyte
105	<i>Chloris varigata</i>	Poaceae	Therophyte
106	<i>Cleome gynandra</i>	Capparidaceae	Therophyte
107	<i>Cleome viscose</i>	Capparidaceae	Therophyte
108	<i>Clitoria ternate</i>	Fabaceae	Therophyte
109	<i>Combretum decandrum</i>	Combretaceae	Phanerophyte

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Sr. No.	Technical Name	Family	Life form
110	<i>Cordia dichotoma</i>	Rubiaceae	Phanerophyte
111	<i>Crotalaria medicagenia</i>	Fabaceae	Therophyte
112	<i>Croton bonplandinum</i>	Amaryllidaceae	Therophyte
113	<i>Cryptostegia grandiflora</i>	Orchidaceae	Hemicyptophyte
114	<i>Cuscuta reflexa</i>	Cuscutaceae	Epiphyte
115	<i>Daemia extensa</i>	Fabaceae	Therophyte
116	<i>Dalbergia paniculata</i>	Fabaceae	Phanerophyte
117	<i>Datura alba</i>	Solanaceae	Therophyte
118	<i>Datura fastulosa</i>	Solanaceae	Therophyte
119	<i>Datura metal</i>	Solanaceae	Therophyte
120	<i>Dendrophthe falcate</i>	Loranthaceae	Hemicyptophyte
121	<i>Dillinea pentagyna</i>	Dilliniaceae	Phanerophyte
122	<i>Diospyros melanoxyton</i>	Lythraceae	Phanerophyte
123	<i>Diospyros Montana</i>	Lythraceae	Phanerophyte
124	<i>Echinops echinatus</i>	Compositae	Therophyte
125	<i>Eclipta alba</i>	Compositae	Therophyte
126	<i>Eclipta prostrate</i>	Compositae	Hemicyptophyte
127	<i>Eichhornia cressipes</i>	Pontederiaceae	Hydrophyte
128	<i>Emilia lajerium</i>	Compositae	Hemicyptophyte
129	<i>Erythrina indica</i>	Papillionaceae	Phanerophyte
130	<i>Euphorbia geniculata</i>	Euphorbiaceae	Therophyte
131	<i>Euphorbia hirta</i>	Euphorbiaceae	Therophyte
132	<i>Euphorbia hyperocifolia</i>	Euphorbiaceae	Therophyte
133	<i>Euphorbia nerifolia</i>	Euphorbiaceae	Phanerophyte
134	<i>Euphorbia neruri</i>	Euphorbiaceae	Therophyte
135	<i>Euphorbia nivula</i>	Euphorbiaceae	Therophyte
136	<i>Euphorbia thymiflora</i>	Euphorbiaceae	Phanerophyte
137	<i>Euphorbia tricauli</i>	Euphorbiaceae	Hemicyptophyte
138	<i>Evolvulus alsinoides</i>	Convolvulaceae	Therophyte
139	<i>Evolvulus numalaris</i>	Convolvulaceae	Therophyte
140	<i>Fagonia cretica</i>	Zygophyllaceae	Phanerophyte
141	<i>Feronia elephantum</i>	Rutaceae	Phanerophyte
142	<i>Ficus benghalensis</i>	Moraceae	Phanerophyte
143	<i>Ficus carica</i>	Moraceae	Phanerophyte
144	<i>Ficus glomerata</i>	Moraceae	Phanerophyte
145	<i>Ficus hispida</i>	Moraceae	Phanerophyte
146	<i>Ficus racemosus</i>	Moraceae	Phanerophyte
147	<i>Ficus relisiosa</i>	Moraceae	Phanerophyte
148	<i>Ficus gibbosa</i>	Moraceae	Phanerophyte
149	<i>Flacourtia indica</i>	Flacourtiaceae	Phanerophyte
150	<i>Fumaria indica</i>	Papillionaceae	Hemicyptophyte
151	<i>Gardenia lucida</i>	Rubiaceae	Phanerophyte
152	<i>Garuga pinnata</i>	Burseraceae	Phanerophyte
153	<i>Gloriosa superba</i>	Liliaceae	Phanerophyte
154	<i>Gmelina arborea</i>	Rubiaceae	Phanerophyte
155	<i>Gomphrena globosa</i>	Amaranthaceae	Therophyte
156	<i>Gossypium herbaceum</i>	Malvaceae	Therophyte
157	<i>Grewia abutifolia</i>	Tiliaceae	Phanerophyte
158	<i>Grewia salivifolia</i>	Tiliaceae	Phanerophyte
159	<i>Grewia subinaqualis</i>	Tiliaceae	Phanerophyte
160	<i>Gynandropis gynandra</i>	Capparidaceae	Hemicyptophyte
161	<i>Haplanthus tentaculatus</i>	Acanthaceae	Therophyte
162	<i>Helictis isora</i>	Rubiaceae	Phanerophyte
163	<i>Heliotropium indicum</i>	Rubiaceae	Hemicyptophyte
164	<i>Hemidesmus indicus</i>	Asclepiadaceae	Phanerophyte
165	<i>Hibiscus gibbosa</i>	Malvaceae	Therophyte
166	<i>Hibiscus micronthus</i>	Malvaceae	Therophyte
167	<i>Hibiscus ovalifolia</i>	Malvaceae	Therophyte

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168	<i>Hibiscus rosa-cianensis</i>	Malvaceae	Therophyte
169 q	<i>Hibiscus caesus</i>	Malvaceae	Hemicryptophyte
170	<i>Holarrhena antidycenterica</i>	Asclepiadaceae	Phanerophyte
171	<i>Holostemma annularia</i>	Aslepiadaceae	Phanerophyte
172	<i>Hygrophylla auriculata</i>	Acanthaceae	Hemicryptophyte
173	<i>Hymenodactylon excelsum</i>	Rubiaceae	Phanerophyte
174	<i>Hyptis suavalens</i>	Labiatae	Therophyte
175	<i>Ichnocarpus frutens</i>	Poaceae	Hemicryptophyte
176	<i>Impatiens balasamania</i>	Balsaminaceae	Therophyte
177	<i>Indigofera tinctoria</i>	Caesalpinaceae	Therophyte
178	<i>Ipomea aquatica</i>	Convolvulaceae	Hydrophyte
179	<i>Ipomea carnea</i>	Convolvulaceae	Phanerophyte
180	<i>Ipomea coccinea</i>	Convolvulaceae	Therophyte
181	<i>Ipomea tuba</i>	Convolvulaceae	Hemicryptophyte
182	<i>Ixora parviflora</i>	Rubiaceae	Phanerophyte
183	<i>Ixora singapuriens</i>	Rubiaceae	Phanerophyte
184	<i>Jacarandra jacquimontii</i>	Bignoniaceae	Therophyte
185	<i>Jasmimum arborens</i>	Oleaceae	Phanerophyte
186	<i>Jatropha gossypifolia</i>	Euphorbiaceae	Therophyte
187	<i>Jussiaea suffraticosa</i>	Onagraceae	Hydrophyte
188	<i>Justia diffusa</i>	Acanthaceae	Therophyte
189	<i>Justicia diffusa</i>	Acanthaceae	Therophyte
190	<i>Kydia calcina</i>	Malvaceae	Phanerophyte
191	<i>Kyllinga triceps</i>	Cyperaceae	Hemicryptophyte
192	<i>Lactuca punctata</i>	Compositae	Therophyte
193	<i>Lagerstromia parviflora</i>	Lythraceae	Phanerophyte
194	<i>Lagestromia indica</i>	Lythraceae	Therophyte
195	<i>Lannea asplenifolia</i>	Anacardiaceae	Therophyte
196	<i>Lannea coramandalica</i>	Anacardiaceae	Phanerophyte
197	<i>Lannea grandis</i>	Anacardiaceae	Phanerophyte
198	<i>Lannea procumbens</i>	Anacardiaceae	Therophyte
199	<i>Lantana camara</i>	Verbinaceae	Phanerophyte
200	<i>Lathyrus sativus</i>	Papillionaceae	Hemicryptophyte
201	<i>Lawsonia inermis</i>	Lythraceae	Phanerophyte
202	<i>Leptodenia pyrotechnica</i>	Asclepiadaceae	Phanerophyte
203	<i>Leptodenia reticulate</i>	Asclepiadaceae	Phanerophyte
204	<i>Leucas aspera</i>	Labiatae	Therophyte
205	<i>Leucas stelligera</i>	Labiatae	Therophyte
206	<i>Loranthus sp</i>	Loranthaceae	Epiphyte
207	<i>Lycopersicum esculentus</i>	Solanaceae	Therophyte
208	<i>Lygodium flexosum</i>	Schiaceae	Therophyte
209	<i>Mallotus philippinus</i>	Euphorbiaceae	Phanerophyte
210	<i>Malvastrum coramandalicum</i>	Malvaceae	Therophyte
211	<i>Marselia quadrifolia</i>	Marseliaceae	Phanerophyte
212	<i>Merremia emerginata</i>	Convolvulaceae	Therophyte
213	<i>Michaelia champaca</i>	Annonaceae	Phanerophyte
214	<i>Millingtonia hartensis</i>	Bignoniaceae	Phanerophyte
215	<i>Mimosa hamata</i>	Mimosaceae	Therophyte
216	<i>Mollugo cerviana</i>	Aizoaceae	Therophyte
217	<i>Morinda tinctoria</i>	Rubiaceae	Phanerophyte
218	<i>Moringa oleifera</i>	Moringaceae	Phanerophyte
219	<i>Morus alba</i>	Moraceae	Phanerophyte
220	<i>Mucuna prurita</i>	Papillionaceae	Hemicryptophyte
221	<i>Murraya exotica</i>	Rutaceae	Phanerophyte
222	<i>Murraya koenigii</i>	Rutaceae	Phanerophyte
223	<i>Musa paradisica</i>	Musaceae	Therophyte
224	<i>Nelumbium nuciferum</i>	Magnoliaceae	Hydrophyte
225	<i>Nerium indicum</i>	Apocyanaceae	Phanerophyte

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Sr. No.	Technical Name	Family	Life form
226	<i>Ocimum americanum</i>	Labiatae	Therophyte
227	<i>Ocimum basillum</i>	Labiatae	Therophyte
228	<i>Ocimum canum</i>	Labiatae	Therophyte
229	<i>Ocimum sanctum</i>	Labiatae	Therophyte
230	<i>Oldenlandia umbellate</i>	Convolvulaceae	Therophyte
231	<i>Oldenlandia corymbosa</i>	Rubiaceae	Therophyte
232	<i>Opuntia dillinii</i>	Opuntiaceae	Therophyte
233	<i>Opuntia elator</i>	Cacataceae	Therophyteq
234	<i>Oxalis corniculata</i>	Oxalidaceae	Therophyte
235	<i>Panicum milliria</i>	Poaceae	Hemicryptophyte
236	<i>Panicum notatum</i>	Poaceae	Hemicryptophyte
237	<i>Parkinsonia aculata</i>	Mimosaceae	Phanerophyte
238	<i>Parthenium hysterophorus</i>	Compositae	Therophyte
239	<i>Paspalum strobilanthus</i>	Passifloraceae	Hemicryptophyte
240	<i>Passiflora foetida</i>	Passifloraceae	Phanerophyte
241	<i>Pavonia zeylanica</i>	Malvaceae	Phanerophyte
242	<i>Peltophorum ferrusinum</i>	Caesalpinaceae	Phanerophyte
243	<i>Petalidium barleroides</i>	Acanthaceae	Phanerophyte
244	<i>Phoenix aculis</i>	Palmae	Phanerophyte
245	<i>Phyllanthus emblica</i>	Euphorbiaceae	Phanerophyte
246	<i>Phyllanthus nirurii</i>	Euphorbiaceae	Therophyte
247	<i>Phyllanthus reticulates</i>	Euphorbiaceae	Therophyte
248	<i>Physalis minima</i>	Solanaceae	Therophyte
249	<i>Pithocolobium dulce</i>	Mimosaceae	Phanerophyte
250	<i>Polyalthia longifolia</i>	Annonaceae	Phanerophyte
251	<i>Pongamia pinnata</i>	Fabaceae	Phanerophyte
252	<i>Portulaca oleracea</i>	Portulaccaceae	Therophyte
253	<i>Punica granulatum</i>	Puniaceae	Therophyte
254	<i>Raphanus sativus</i>	Cruciferae	Therophyte
255	<i>Rosa indica</i>	Rosaceae	Therophyte
256	<i>Saccharum munja</i>	Poaceae	Hemicryptophyte
257	<i>Salmalia malabarica</i>	Salmaliaceae	Phanerophyte
258	<i>Sapindus emerginatus</i>	Sapindaceae	Phanerophyte
259	<i>Sapindus emerginatus</i>	Sapindaceae	Phanerophyte
260	<i>Scheichera trijuga</i>	Sapindaceae	Phanerophyte
261	<i>Sesamum indicum</i>	Pedaliaceae	Hemicryptophyte
262	<i>Sida vernanifolia</i>	Malvaceae	Hemicryptophyte
263	<i>Solanum nigrum</i>	Solanaceae	Therophyte
264	<i>Solanum surattensis</i>	Solanaceae	Therophyte
265	<i>Solanum xanthocarpum</i>	Solanaceae	Therophyte
266	<i>Sterculia urens</i>	Euphorbiaceae	Phanerophyte
267	<i>Stereospermum chelenoides</i>	Bignoniaceae	Phanerophyte
268	<i>Sygygium cumini</i>	Myrtaceae	Phanerophyte
269	<i>Tagetus sp</i>	Compositae	Therophyte
270	<i>Tamarindus indica</i>	Caesalpinaceae	Phanerophyte
271	<i>Tecomella undulate</i>	Bignoniaceae	Therophyte
272	<i>Tectona grandis</i>	Verbinaceae	Phanreophyte
273	<i>Tephrosia purpuria</i>	Fabaceae	Therophyte
274	<i>Terminalia arjuna</i>	Combretaceae	Phanerophyte
275	<i>Terminalia belerica</i>	Combretaceae	Phanerophyte
276	<i>Thespesia lampas</i>	Malvaceae	Phanerophyte
277	<i>Tinospora cordifolia</i>	Rhamnaceae	Therophyte
278	<i>Tragus biflorus</i>	Poaceae	Hemicryptophyte
279	<i>Trapa bispinosa</i>	Trapaceae	Hydrophyte
280	<i>Trema orientalis</i>	Urticaceae	Phanerophyte
281	<i>Tribulus terrestris</i>	Zygophyllaceae	Therophyte
282	<i>Tridax procumbens</i>	Compositae	Therophyte
283	<i>Trigeonella foenumgracum</i>	Fabaceae	Hemicryptophyte

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284	<i>Tripogon jacquimontii</i>	Poaceae	Hemicryptophyte
285	<i>Triumferta pilosa</i>	Tiliaceae	
286	<i>Vernonia cinera</i>	Compositae	Therophyte
287	<i>Vicoa indica</i>	Compositae	Phanerophyte
288	<i>Vitex Negundo</i>	Verbinaceae	Phanerophyte
289	<i>Vitis vermifera</i>	Vitaceae	Therophyte
290	<i>Wrightia tomentosa</i>	Apocyanaceae	Phanerophyte
291	<i>Xanthium strumariumk</i>	Compositae	Therophyte
292	<i>Yucca gloriosa</i>	Agavaceae	Therophyte
293	<i>Zizyphus jujube</i>	Rhamnaceae	Phanerophyte
294	<i>Zizyphus mauritiana</i>	Rhamanaceae	Phanrophyte
295	<i>Zizyphus oenoplica</i>	Rhamnaceae	Therophyte
296	<i>Zizyphus rotundus</i>	Rhamnaceae	Phanerophyte
297	<i>Zornia gobbosa</i>	Compositae	Therophyte
V. Grasslands			
298	<i>Apluda mutica</i>	Poaceae	Hemicryptophyte
299	<i>Cyanodactylon sp</i>	Poaceae	Geophyte
300	<i>Sachharum spontanseum</i>	Poaceae	Hemicryptophyte
301	<i>Cenchrus ciliaris</i>	Poaceae	Therophyte
302	<i>Cyperus aristatus</i>	Cyperaceae	Therophyte
303	<i>Cyperus irea</i>	Cyperaceae	Therophyte
304	<i>Cyperus triceps</i>	Cyperaceae	Therophyte
305	<i>Digetaria indica</i>	Poaceae	Hemicryptophyte
306	<i>Digetaria stricta</i>	Poaceae	Hemicryptophyte
307	<i>Eragrostis diahena</i>	Poaceae	Therophyte
308	<i>Eragrostis tenella</i>	Poaceae	Therophyte
309	<i>Ischaemum rugosum</i>	Poaceae	Hemicryptophyte
310	<i>Themeda ciliata</i>	Cyperaceae	Hemicryptophyte
	Endemic species	No endemic species recorded/reported as per BSI records	

**TABLE-2
FAUNA AND THEIR CONSERVATION STATUS FROM STUDY AREA**

Technical Name	English Name/Local Name	Conservation status as per Wild Life Act (1972)
Birds		
<i>Targos calvus</i>	King vulture	Sch-IV
<i>Milyus migrans</i>	Common Kite	Sch-IV
<i>Quills contronix</i>	Grey quail	Sch-IV
<i>Corvus corvus</i>	Jungle crow	Sch-IV
<i>Corvus splendens</i>	House crow	Sch-IV
<i>Turdoides striatus</i>	White headed babbler	Sch-IV
<i>Aegithina tiphia</i>	Iora	Sch-IV
<i>Pycnonotus cafer</i>	Red vented bulbul	Sch-IV
<i>Pycnonotus jokokus</i>	White browed Bulbul	Sch-IV
<i>Saxicoloides fulicata</i>	Indian robin	Sch-IV
<i>Gallus gallus</i>	Red Jungle fowl	Sch-IV
<i>Columbus livibus</i>	Rock Pigeon	Sch-IV
<i>Bubo bubo</i>	Indian great horned Owl	Sch-IV
<i>Copsychus saularis</i>	Magpie Robin	Sch-IV
<i>Tchitrea paradisi</i>	Paradise Fl ycatcher	Sch-IV
<i>Tephrodornis pondiceraianus</i>	Common Wood shrike	Sch-IV
<i>Lalage sykesi</i>	Black headed cochoo Shrike	Sch-IV
<i>Artamus fuscus</i>	Ashy Swallow Shrike	Sch-IV
<i>Dicrurus macrocerus</i>	Black Drongo	Sch-IV
<i>Dicrurus longicaudatus</i>	Grey Drongo	Sch-IV
<i>Dissemurus paradiseus</i>	Rackete tailed Drongo	Sch-IV

ANNEXURE-IX
ECOLOGY

Technical Name	English Name/Local Name	Conservation status as per Wild Life Act (1972)
<i>Oriolus oriolus</i>	Indian Oriole	Sch-IV
<i>Temenuchus pagodarum</i>	Brahmny Myna	Sch-IV
<i>Acridotheres tristis</i>	Common myna	Sch-IV
<i>Ploceus philippines</i>	Weaver bird	Sch-IV
<i>Uroloncha striata</i>	Spotted munia	Sch-IV
<i>Passer domesticus</i>	House Sparrow	Sch-IV
<i>Redrumped Swallow</i>	Hirundo daurica	Sch-IV
<i>Motacilla cinerea</i>	Grey wagtail	Sch-IV
<i>Motacilla maderaspatensis</i>	Large pied wagtail	Sch-IV
<i>Cinnyris lotensis</i>	Loten's sunbird	Sch-IV
<i>Cinnyris asiatica</i>	Purple Sunbird	Sch-IV
<i>Brachypternus bengalensis</i>	Malabar Golden acked wood	Sch-IV
<i>Megalaima merulinus</i>	Indian Cuckoo	Sch-IV
<i>Hierococys varius</i>	Common Hawk uckoo	Sch-IV
<i>Eudynamis scolopaceus</i>	Koel	Sch-V
<i>Centropus sinensis</i>	Crow Pheasant	Sch-IV
<i>Psittacula Krammeri</i>	Rose ringed parakeet	Sch-IV
<i>Coryllis vaeralis</i>	Lorikeet	Sch-V
<i>Coracias benghalensis</i>	Indian Roller	Sch-IV
<i>Merops orinetalis</i>	Common Bee Eater	Sch-IV
<i>Merops leschenaulti</i>	Chestnut headed Bee Eater	Sch-IV
<i>Alcedo atthis</i>	Common Kingfisher	Sch-IV
<i>Halcyon smyrensis</i>	White breasted kingfisher	Sch-IV
<i>Microfus affinis</i>	House swift	Sch-IV
<i>Cyprirus parvus</i>	Palm swift	Sch-IV
<i>Caprimulgus asiaticus</i>	Common Indian jar	Sch-IV
<i>Tylo alba</i>	Barn Owl	Sch-IV
<i>Haliastur indus</i>	Brahmny kite	Sch-IV
<i>Milvus migrans</i>	Pariah kite	Sch-IV
<i>Circus aeruginosus</i>	Marsh harrier	Sch-IV
<i>Astur badius</i>	Shikra	Sch-IV
<i>Chalcophaps indica</i>	Emerald Dove	Sch-IV
<i>Lobvanella indicus</i>	Redwattled Lapwing	Sch-IV
<i>Lobpluvia malabaraica</i>	Yellow wattled lapwing	Sch-IV
<i>Anhinga melanogaster</i>	Darter	Sch-IV
<i>Egretta garzetta</i>	Little Egret	Sch-IV
<i>Bubulcus ibis</i>	Cattle Egret	Sch-IV
<i>Ardeola grayii</i>	Pond Heron	Sch-IV
<i>Anas querquedula</i>	Gangney Teal	Sch-IV
<i>Anas acuta</i>	Common Teal	Sch-IV
<i>Aythya feroma</i>	White eyed Pochard	Sch-IV
<i>Gallinula chloropus</i>	Moore hen	Sch-IV
<i>Sterna albifrons</i>	Indian River Tern	Sch-IV
<i>Galerida malabarica</i>	Malabar Crested Lark	Sch-IV
Reptiles		
<i>Calotes versicolor</i>	Garden Lizard	Sch-IV
<i>Chameleon zeylanicus</i>	Lizard	Sch-IV
<i>Varanus benghalensis</i>	Monitor Lizard	Sch-IV
<i>Naja naja</i>	Cobra	Sch-IV
<i>Bungarus candidus</i>	Krait	Sch-IV
<i>Vipera russeli</i>	Viper	Part-II of Sch-II
Butterflies		
<i>Triodes minos</i>	Southern Birdwing	Sch-IV
<i>Pachliopta hector</i>	Crimson rose	Sch-IV
<i>Papilo demoleus</i>	Lime butterfly	Sch-IV
<i>Graphium agamemnos</i>	Tailed jay	Sch-IV

ANNEXURE-IX
ECOLOGY

Technical Name	English Name/Local Name	Conservation status as per Wild Life Act (1972)
<i>Papilio polymnstor</i>	Blue mormon	Sch-IV
<i>Junonia atlites</i>	Grey pansey	Sch-IV
<i>Juninia almana</i>	Peacock pansey	Sch-IV
<i>Neptis hylas</i>	Common sailor	Sch-IV
<i>Parantica aglea</i>	Glassy tiger	Sch-IV
Amphibians		
<i>Rana hexadactyla</i>	Frog	Sch-IV
<i>Rana tigrina</i>	Bull frog	Sch-IV
<i>Cocopus sps</i>	Burrowing frog	Sch-IV
<i>Bufo manonsticus</i>	Bufo	Sch-IV
Mammals		
<i>Lepus nigricollis</i>	Hare	Sch-IV
<i>Hyaena hyaena</i>	Hyaena	Sch-III
<i>Canis auries</i>	Jackal	Sch-III
<i>Presbytis entellus</i>	Langur	Part-I of Sch-II
<i>Funambulus spp.</i>	Squirrel	Sch-IV
<i>Funambulus palmarum</i>	Squirrel	Sch-IV
<i>Sus sucrofa</i>	Wild pig	Part-II of Sch-II
<i>Rattus norvegicus</i>	Field mouse	Sch-V
<i>Herpestes edwardii</i>	Common mongoose	Part-II of Sch-II
<i>Bandicota indica</i>	Bandicoot	Sch-V
<i>Bandicota bengalensis</i>	Bandicoot	Sch-V
<i>Macaca mulata</i>	Monkey	Part-I of sch-II
<i>Macaca radiate</i>	Monkey	Part-I of sch-II
<i>Ratufa indica</i>	Giant squirrel	Part-III of sch-II
<i>Cuon alpinus</i>	Wild dog	Part-I of sch-II
<i>Felis chaus</i>	Jungle cat	Part-III of sch-II
<i>Axis axis</i>	Spotted deer	Part-III
<i>Muntiacus muntajac</i>	Barking deer	Part-III
<i>Cervus unicolor</i>	Sambar	Part-III

**ANNEXURE-X
DEMOGRAPHIC DETAILS**

Sr.No.	Name of Village	No.of House Holds	Total Population	Total Male	Total Female	Population Below 6 Agegroup	Male Below 6 Agegroup	Female Below 6 Agegroup	SC Population	ST Population	Total Literates	Male Literates	Female Literates	Total Workers	Main Workers	Margin al Workers	Non Workers
0-3 km. Komarada Tehsil (Andhra Pradesh)																	
1	Devukona	140	550	265	285	98	49	49	129	371	183	109	74	324	317	7	226
2	Komatlapeta	52	187	88	99	23	11	12	6	72	84	51	33	111	109	2	76
3	Komarada	1058	4430	2120	2310	532	254	278	684	396	2042	1163	879	2378	1974	404	2052
4	Chinakherjala	120	475	210	265	62	25	37	29	398	68	47	21	325	316	9	150
5	Sankesu	28	141	59	82	15	6	9	0	141	23	11	12	84	84	0	57
6	Vanakabadi	31	143	66	77	21	8	13	0	143	20	12	8	108	94	14	35
7	Sarvapadu	100	441	204	237	93	39	54	8	433	56	48	8	283	186	97	158
8	Pedakherjala	104	400	197	203	73	32	41	112	213	173	110	63	256	254	2	144
9	Sitamambapuram	45	182	89	93	43	25	18	0	175	49	26	23	112	112	0	70
10	Kottu	257	1091	554	537	175	102	73	96	59	462	283	179	733	724	9	358
11	Thodumu	175	670	329	341	101	54	47	47	18	257	167	90	419	407	12	251
12	Kodulagumpa	103	443	234	209	70	37	33	19	41	209	144	65	268	206	62	175
13	Gumada	330	1296	636	660	202	102	100	292	41	428	254	174	657	656	1	639
14	Sitamambapuram	160	621	305	316	83	39	44	64	62	330	192	138	318	291	27	303
15	Kotipam	314	1292	624	668	190	93	97	109	147	581	349	232	657	611	46	635
16	Regulapadu	31	122	61	61	15	6	9	0	102	35	26	9	93	53	40	29
17	Banjukuppa	91	347	157	190	33	12	21	0	338	112	60	52	262	262	0	85
18	Kambavalasa	486	1951	930	1021	290	154	136	200	748	860	487	373	1097	1093	4	854
19	Kandivalasa	118	401	184	217	59	24	35	80	28	159	89	70	216	209	7	185
20	Kummarigunta	174	664	324	340	89	49	40	136	203	300	180	120	447	427	20	217
21	Gangareguvalasa	454	2028	1032	996	297	156	141	224	68	1067	638	429	967	904	63	1061
22	Sominaiduvalasa	166	703	333	370	114	50	64	169	103	289	171	118	369	204	165	334
23	Devunigumpa	52	193	101	92	21	13	8	28	93	101	62	39	109	104	5	84
	Sub Total	4601	18827	9133	9694	2703	1342	1361	2432	4449	7891	4680	3211	10634	9633	1001	8193
3-7 km. Komarada Tehsil (Andhra Pradesh)																	
24	Darsingi	15	61	35	26	17	13	4	0	61	0	0	0	39	39	0	22
25	Kuneru	281	1119	531	588	184	99	85	104	802	377	226	151	677	662	15	442
26	Saruguduguda	91	361	163	198	77	39	38	6	353	113	76	37	226	193	33	135
27	Jakuru	63	319	149	170	51	30	21	0	319	54	34	20	208	208	0	111
28	Pusanandi	43	194	90	104	39	16	23	0	194	3	1	2	138	138	0	56
29	Tinuku	15	63	29	34	6	2	4	0	63	1	1	0	54	11	43	9
30	Naya	52	229	104	125	42	18	24	1	223	81	49	32	123	123	0	106
31	Uligesu	7	35	19	16	3	2	1	0	35	0	0	0	28	28	0	7
32	Guddam	30	144	72	72	17	11	6	0	144	4	4	0	89	89	0	55
33	Jeemesu	10	37	19	18	8	4	4	0	37	0	0	0	27	27	0	10
34	Masanandi	4	18	8	10	1	0	1	0	18	0	0	0	17	17	0	1
35	Ulindri	8	32	14	18	2	1	1	0	32	0	0	0	29	29	0	3
36	Ulipiri	200	944	385	559	98	42	56	100	616	579	255	324	409	257	152	535
37	Chollapadam	199	754	348	406	104	48	56	93	253	377	210	167	459	458	1	295
38	Sikhavaram	64	244	111	133	24	14	10	22	191	119	63	56	183	159	24	61
39	Ravikona	115	564	257	307	141	74	67	1	563	111	73	38	328	310	18	236
40	Kemiseela	345	1498	727	771	228	128	100	326	1033	518	300	218	829	811	18	669
41	Koriseela	93	353	174	179	61	29	32	130	195	142	98	44	260	238	22	93
42	Alluwada	61	248	115	133	44	22	22	8	211	47	23	24	157	157	0	91
43	Poornapadu	67	222	100	122	35	16	19	19	120	91	54	37	135	129	6	87
44	Labasu	58	242	117	125	31	19	12	43	167	80	43	37	156	150	6	86
45	Pujariguda	87	368	165	203	62	27	35	65	229	98	62	36	243	239	4	125
46	Marriguda	48	215	102	113	26	12	14	0	215	89	53	36	140	140	0	75
47	Palem	165	620	310	310	87	46	41	52	419	251	150	101	381	324	57	239
48	Cheedipalle	51	231	120	111	22	10	12	11	51	145	91	54	136	136	0	95
49	Rayapuram	81	319	156	163	45	23	22	21	156	142	76	66	202	191	11	117
50	Derupadu	26	129	54	75	7	1	6	0	129	0	0	0	91	91	0	38
51	Ladda	38	181	92	89	57	34	23	0	181	13	10	3	105	89	16	76
52	Madalang	335	1364	670	694	212	116	96	203	271	610	350	260	771	708	63	593
53	Chekkavalasa	70	269	129	140	46	20	26	88	91	117	73	44	163	140	23	106
54	Pulligummi	69	275	130	145	33	18	15	15	209	129	76	53	184	173	11	91
55	Vannam	134	535	264	271	84	50	34	143	39	216	130	86	304	289	15	231

**ANNEXURE-X
DEMOGRAPHIC DETAILS**

Sr.No.	Name of Village	No.of House Holds	Total Population	Total Male	Total Female	Population Below 6 Agegroup	Male Below 6 Agegroup	Female Below 6 Agegroup	SC Population	ST Population	Total Literates	Male Literates	Female Literates	Total Workers	Main Workers	Margin al Workes rs	Non Workers
56	Dalaipeta	316	1317	659	658	181	84	97	396	36	464	293	171	819	817	2	498
57	Kallikota	413	1814	900	914	301	162	139	145	160	708	461	247	1051	1045	6	763
58	Nimmalapadu	95	360	181	179	45	27	18	72	8	157	93	64	237	206	31	123
59	Duggi	192	720	341	379	135	64	71	513	0	264	169	95	408	259	149	312
60	Artham	212	798	378	420	106	46	60	76	214	346	208	138	470	456	14	328
61	Ankullavalasa	19	70	38	32	7	4	3	2	68	27	18	9	55	55	0	15
62	Sundarapuram	22	72	39	33	12	8	4	0	67	14	10	4	47	47	0	25
63	Dangabhadra	36	130	66	64	10	4	6	40	76	59	38	21	84	84	0	46
64	Konavalasa	36	129	69	60	14	10	4	15	105	58	34	24	91	91	0	38
65	Nandapuram	39	149	76	73	28	14	14	0	123	23	13	10	103	102	1	46
66	Vikrampuram	687	2759	1328	1431	392	200	192	204	72	1264	750	514	1475	1385	90	1284
67	Parasurampuram	314	1382	655	727	189	87	102	121	15	655	378	277	799	775	24	583
68	Gunanapuram	393	1639	776	863	240	110	130	99	175	675	424	251	1003	995	8	636
	Bandhugaon C.D.Block (Dist:Koraput, Orissa)																
69	Turuku	29	140	64	76	13	7	6	0	139	0	0	0	93	42	51	47
70	Kosu	24	92	44	48	12	7	5	0	92	0	0	0	62	29	33	30
71	Martigura	21	89	44	45	13	8	5	0	89	2	2	0	55	33	22	34
72	Jala	11	46	23	23	5	3	2	0	46	0	0	0	25	12	13	21
73	Palapusilabari	102	417	188	229	79	43	36	55	355	45	27	18	273	110	163	144
74	Manikavalsa	26	122	61	61	9	5	4	0	122	10	2	8	86	27	59	36
75	Kundasilabari	15	50	23	27	4	3	1	0	50	0	0	0	38	13	25	12
76	Digubhadrapali	104	442	230	212	74	43	31	0	439	43	38	5	300	281	19	142
77	Jayakota	18	85	43	42	20	11	9	0	85	2	0	2	43	42	1	42
78	Sikitalova	7	22	11	11	2	1	1	0	22	0	0	0	16	7	9	6
79	Upara Bhatrapali	14	56	32	24	9	4	5	0	56	0	0	0	31	13	18	25
80	Sanabankedi	26	113	59	54	20	8	12	0	107	4	3	1	60	30	30	53
81	Ambabalsa	24	110	47	63	10	5	5	0	104	4	3	1	68	41	27	42
82	Nagulubalasa	12	56	31	25	4	2	2	0	56	3	1	2	41	36	5	15
	Sub Total	6120	25310	12134	13176	3824	1952	1872	3189	10445	9331	5545	3786	15083	13750	1333	10227
7-10 km.	Komarada Tehsil (Andhra Pradesh)																
83	Masimanda	116	465	220	245	79	40	39	0	423	65	44	21	348	348	0	117
84	Pedasekha	147	603	290	313	111	53	58	81	504	139	100	39	436	436	0	167
85	Jala	34	138	62	76	24	12	12	0	138	6	6	0	105	105	0	33
86	Chinasekha	8	29	12	17	6	2	4	0	29	3	1	2	23	23	0	6
87	Joppangi	30	149	67	82	45	15	30	0	149	3	3	0	92	92	0	57
88	Gorlemma	63	286	126	160	40	16	24	72	214	7	3	4	241	241	0	45
89	Bedda	32	140	68	72	26	12	14	0	140	0	0	0	103	103	0	37
90	Gujjabadi	29	137	59	78	41	15	26	0	137	0	0	0	84	84	0	53
91	Rebba	52	239	104	135	45	22	23	0	233	55	32	23	151	122	29	88
92	Vanadara	23	97	39	58	20	7	13	0	97	8	6	2	62	51	11	35
93	Binnidi	54	233	90	143	49	22	27	0	233	30	20	10	173	140	33	60
94	Gunadateelesu	122	513	239	274	91	42	49	4	499	61	39	22	388	341	47	125
95	Sivini	384	1478	708	770	180	93	87	452	120	691	415	276	743	733	10	735
	Gummalakshampuram (Andhra Pradesh)																
96	Babbidi	78	495	235	260	38	17	21	1	494	87	57	30	384	384	0	111
97	Uruti	60	241	116	125	47	26	21	0	241	25	18	7	176	176	0	65
98	Jarna	108	537	253	284	95	46	49	0	537	119	70	49	336	335	1	201
99	Chorupalle	83	386	188	198	67	33	34	0	386	53	40	13	250	249	1	136
100	Kondakuneru	39	239	99	140	36	17	19	0	239	17	12	5	160	160	0	79
101	Vadaputti	99	559	253	306	124	70	54	3	556	111	84	27	392	392	0	167
102	Nellikikkuva	46	214	111	103	40	30	10	0	214	75	46	29	132	124	8	82
103	Dongurukikkuva	42	193	95	98	50	26	24	0	193	46	31	15	105	103	2	88
104	Jogipuram	34	178	84	94	11	6	5	0	178	49	34	15	114	114	0	64
	Kurupam (Andhra Pradesh)																
105	Gummidiguda	104	456	215	241	52	26	26	0	456	83	45	38	275	87	188	181
106	Biyyalavalasa	68	316	146	170	56	21	35	0	314	95	56	39	189	170	19	127

**ANNEXURE-X
DEMOGRAPHIC DETAILS**

Sr.No.	Name of Village	No.of House Holds	Total Population	Total Male	Total Female	Population Below 6 Agegroup	Male Below 6 Agegroup	Female Below 6 Agegroup	SC Population	ST Population	Total Literates	Male Literates	Female Literates	Total Workers	Main Workers	Margin al Workers	Non Workers
107	Sivannapeta	523	2130	1032	1098	257	120	137	59	510	1142	669	473	919	670	249	1211
108	Gollavalasa	98	383	191	192	42	22	20	42	134	158	100	58	211	92	119	172
109	Kitchada	273	1126	548	578	168	80	88	122	297	502	304	198	652	424	228	474
110	Kurupam	1605	7212	3710	3502	918	472	446	1345	1080	4346	2581	1765	2682	2001	681	4530
	Jiyyamavalasa (Andhra Pradesh)																
111	Bitrapadu	197	857	423	434	126	61	65	185	20	388	252	136	481	473	8	376
112	Batlabhadra	119	526	258	268	68	35	33	15	6	247	142	105	286	285	1	240
113	Gavarampeta	299	1266	623	643	146	86	60	13	127	612	372	240	668	644	24	598
114	Mokhasaharipuram	41	199	102	97	27	15	12	73	0	106	65	41	107	107	0	92
115	Basangi	243	977	469	508	123	61	62	69	70	399	257	142	551	318	233	426
	Parvathipuram (Andhra Pradesh)																
116	Chandalangi	64	287	145	142	60	34	26	0	282	59	42	17	171	171	0	116
117	Pedamariki	225	1008	471	537	176	83	93	122	656	418	246	172	584	500	84	424
118	Krishnapalle	535	2253	1130	1123	310	170	140	553	130	1008	644	364	1037	760	277	1216
119	Radhampeta	24	99	46	53	18	7	11	0	99	26	17	9	55	37	18	44
120	Srirangarajapuram	196	808	394	414	123	67	56	112	26	241	155	86	489	434	55	319
121	Parvathipuram (M)	1364	6214	3117	3098	761	392	369	929	150	4068	2311	1757	2235	1863	372	3980
	Bandhugaon (Dist:Koraput, Orissa)																
122	Dhulgumi	49	177	88	89	26	10	16	0	173	0	0	0	135	53	82	42
123	Singijhola	19	77	36	41	6	2	4	6	70	3	2	1	57	28	29	20
124	Tanku	23	108	55	53	16	9	7	0	108	0	0	0	68	41	27	40
125	Jadaba	59	246	115	131	30	12	18	0	174	0	0	0	161	80	81	85
126	Dakamara(Pedakamara)	34	132	69	63	16	7	9	0	125	3	2	1	63	38	25	69
127	Kapalara	74	341	169	172	53	26	27	21	278	72	52	20	155	143	12	186
128	Pipalbhadra	90	439	207	232	125	58	67	58	369	12	9	3	246	181	65	193
129	Kandhabalsa	22	94	48	46	25	14	11	0	94	2	1	1	45	29	16	49
130	Chekabalsa	13	59	25	34	7	2	5	0	59	0	0	0	30	12	18	29
131	Barabankeri	154	618	319	299	91	53	38	11	584	77	46	31	375	341	34	243
132	Tikarapara	78	372	191	181	76	37	39	10	308	65	42	23	183	126	57	189
	7-10km Sub Total	8276	36329	17860	18470	5167	2604	2563	4358	12653	15782	9473	6309	18108	14964	3144	18222
	0-10 km Grand Total	18997	80466	39127	41340	11694	5898	5796	9979	27547	33004	19698	13306	43825	38347	5478	36642

Source: District Census Handbook-2001

ANNEXURE-XI
COPY OF AGREEMENT LETTERS FROM CEMENT INDUSTRIES

ACC

Our ref. ACC/RO/PO/
Date : 3rd October 2009

M/s **Alfa Infaprop Pvt Ltd**
136, Rider House
3rd Floor, Sector-44
Gurgaon-122001

ACC Limited
Regional Office - South & West
"Connaught Place"
Unit No. 313, Third Floor
Bund Garden Road
Pune - 411 001.
Maharashtra (India)

Phone +91 20 66271000
Fax +91 20 66271090
www.acclimited.com

Kind Attn: **Mr.D.V Rao, MD**

Dear Sirs,

Sub: **Procurement of Fly Ash from your proposed 4x660(2640) MW Komarada thermal power project near paravati puram, Vizianagaram district, AP.**

With reference to the above we are glad to understand that Alfa Infaprop Pvt Ltd. is in the process of setting up of 4x660(2640) MW Komarada Thermal Power Project near Paravatipuram, Vizianagaram district, AP.

As per information provided by you, when your plant is fully operational you would be producing approximately 5 million tons Per Annum Fly Ash from your process.

We would be keen for an estimated quantity of 0.4 to 0.6 mt p.a. towards our requirement of fly Ash by setting up a suitable facility if the same is found feasible and viable depending upon market scenario.

However, this is our principle acceptance and our final decision will be subject to signing of detailed Terms and conditions for the off take of Fly Ash from your project.

Thanking you,

Your Sincerely,
For ACC Limited,



(Ravinder Mohan)
Chief Executive - South-West Region

ANNEXURE-XI
COPY OF AGREEMENT LETTERS FROM CEMENT INDUSTRIES



THE INDIA CEMENTS LIMITED

Registered Office : "DHUN BUILDING", 827, ANNA SALAI, CHENNAI - 600 002.

Phone : 28521526, 28572100 Fax : 044-28528106

September 24, 2009

M/s. Alfa Infaprop Pvt. Ltd.
136, Rider House,
3rd Floor, Sector - 44,
Gurgaon - 122 001.

Kind Attn. : Mr. D.V. Rao, Managing Director

Sir,

Sub : Procurement of Fly Ash from your proposed 4x660 (2640) MW Komarada thermal power project near Paravatipuram, Vizianagaram Dist., Andhra Pradesh

Ref. : Discussion we had on the subject

With reference to the above, we are glad to understand that Alfa Infraprop Pvt. Ltd. Is in the process of setting up of 4x660 (2640) MW Komarada Thermal Power Project near Paravatipuram, Vizianagaram Dist., Andhra Pradesh.

As per information provided by you, when your plant is fully operational you would be producing approximately 5 Million Tonnes per annum fly ash from your process.

We wish to inform that currently we are producing 5 Million Tonnes per annum of cement in Andhra Pradesh and would be keen to offtake part of the fly ash being produced by your Thermal Power Project. We intend to set up 2 Million Tonnes per annum, clinker grinding unit either in the vicinity of your project or any other suitable location. We intend to source 0.5 MTPA of fly ash from your project. We would also synchronize the commissioning dates of our grinding unit with commercial operation dates of your project.

However, this is our principle acceptance and our final decision will be subject to signing of detailed Terms and Conditions for the offtake of fly ash from your project.

Thanking you,

Yours faithfully,
for THE INDIA CEMENTS LTD.,

T.S. Raghupathy

T.S. RAGHUPATHY
EXECUTIVE PRESIDENT