

भारत मूल्य वन अथवा व्यवसायी एवम् एच जैव निर्यात  
संयोजक मठ मुख्य व्यवसायी अधिष्ठाता, हत्तीसमूह  
संयोजक मठ, मुख्य व्यवसायी अधिष्ठाता, हत्तीसमूह  
संयोजक मठ, मुख्य व्यवसायी अधिष्ठाता, हत्तीसमूह  
संयोजक मठ, मुख्य व्यवसायी अधिष्ठाता, हत्तीसमूह

संयोजक,  
संयोजक मठ, हत्तीसमूह  
भारत सरकार, वन एवं पर्यावरण मंत्रालय,  
पर्यावरण नयन, सी.जी.ओ. कॉम्प्लेक्स,  
लोदी रोड, नई दिल्ली-110033

हत्तीसमूह की सलरामपुर क्षेत्र (संयोजक मठ) में स्थित सामग्री परिवहन  
माई-स, कुदाम बॉक्साईट खानों एवं टाटीसरिया बॉक्साईट माई-स की क्षमता बढ़ाये  
के लिए सलरामपुर हत्तीसमूह।

- 1. भारत सरकार, वन एवं पर्यावरण मंत्रालय के आदेश क्रमांक J-11015/353/2007-IA.1/M दिनांक 27 जुलाई 2007.
- 2. भारत सरकार, वन एवं पर्यावरण मंत्रालय के आदेश क्रमांक J-11015/357/2007-IA.1/M दिनांक 27 जुलाई 2007.
- 3. भारत सरकार, वन एवं पर्यावरण मंत्रालय के आदेश क्रमांक J-11015/337/2007-IA.1/M दिनांक 9 अगस्त 2007.

सुझाव आपके उपरोक्त संदर्भित पत्र का संशोधन करने का कष्ट करें। जिसके द्वारा सलरामपुर क्षेत्र  
(संयोजक मठ) की सामग्री बॉक्साईट खानों (0.1 LTFM) की क्षमता बढ़ाकर (0.2 LTFM) करने, कुदाम बॉक्साईट  
खानों (0.1 LTFM) की क्षमता बढ़ाकर (0.6 LTFM) करने एवं टाटीसरिया बॉक्साईट खानों (0.5 LTFM) की क्षमता बढ़ाकर  
(0.5 LTFM) के परिवर्तन प्रस्ताव के संदर्भ में सलाह प्राप्ति (संरक्षण) अधिनियम, 1972 के तहत अनुसूची-1 की अनुसूचित  
क्षेत्रों में संरक्षण व प्रबंधन योजना तैयार की जाकर इस कार्यालय की सहमति दिये जाने का लेख किया है।

सिफाई परिशिष्टों के अनुसार सलरामपुर क्षेत्र के अनुबंध दिनांक 1996 एवं जून 1998 में हस्ताक्षरित  
हुए हैं। सलरामपुर क्षेत्र में भारत सरकार, वन एवं पर्यावरण मंत्रालय के आदेश क्रमांक J-11015/353/2007-  
IA.1/M दिनांक 27 जुलाई, 2007 द्वारा 3744.744 हे. में कुदाम क्षेत्र में भारत सरकार, पर्यावरण व वन  
मंत्रालय आदेश क्रमांक J-11015/354/2007-IA.1/M दिनांक 27 जुलाई 2007 द्वारा 377.136 हे. में सलरामपुर  
क्षेत्र में भारत सरकार, वन एवं पर्यावरण मंत्रालय के आदेश क्रमांक J-11015/337/2007-IA.1/M  
दिनांक 9 अगस्त 2007 द्वारा 1,13,130 हे. में बॉक्साईट खानों की क्षमता बढ़ाए कर संयोजक मठ के  
कार्य किया जा रहा है।

*Rupambanthi*

Agent of Mines  
Samri Mines Division  
Hindalco Industries Ltd



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संस्थागत रूप से कार्य करने के लिए प्रस्तावित है। यह संस्थागत रूप से कार्य करने के लिए प्रस्तावित है। यह संस्थागत रूप से कार्य करने के लिए प्रस्तावित है। यह संस्थागत रूप से कार्य करने के लिए प्रस्तावित है। यह संस्थागत रूप से कार्य करने के लिए प्रस्तावित है।

संलग्न-उपरोक्तानुसार।

*(Signature)*  
(समप्रकार) 01/10/13

प्रधान मुख्य को सचिव (संव्यवस्था)

राजधानी

01/10/2013

संस्थागत रूप से कार्य करने के लिए प्रस्तावित है। यह संस्थागत रूप से कार्य करने के लिए प्रस्तावित है। यह संस्थागत रूप से कार्य करने के लिए प्रस्तावित है। यह संस्थागत रूप से कार्य करने के लिए प्रस्तावित है। यह संस्थागत रूप से कार्य करने के लिए प्रस्तावित है।

संस्थागत रूप से कार्य करने के लिए प्रस्तावित है। यह संस्थागत रूप से कार्य करने के लिए प्रस्तावित है। यह संस्थागत रूप से कार्य करने के लिए प्रस्तावित है। यह संस्थागत रूप से कार्य करने के लिए प्रस्तावित है। यह संस्थागत रूप से कार्य करने के लिए प्रस्तावित है।

*(Signature)*  
प्रधान मुख्य को सचिव (संव्यवस्था) 01/10/13

राजधानी

संयोजित कार्यक्रमों के अंतर्गत निम्नलिखित कार्य प्रस्तावित की गयी है। कि 2011 विधानसभा

के अंतर्गत निम्नलिखित कार्य प्रस्तावित की गयी है।

Sl. No.	Particulars	1st Year	2nd Year	Years (As indicated)		Total	Remarks
				Year	Year		
	including soil and moisture conservation works as per request of forest department	1.00	1.00	5.00	5.00	20.00	
	to be done in the mining lease			2.00	2.00	8.00	
3	Habitat Management Eradication of unwanted species in buffer Zone for fire protection work including	1.50	2.50	2.50	2.50	10.00	
	creation of fire watchman, Creation of fire line etc. surrounding lease hold area in buffer area.						
	Monitoring - One staff of forest department to monitor movement of wild life in the area, visit to the area, etc. including	2.00	1.00	3.00	3.00	12.00	
	creation of water holes, their maintenance and patrolling (One person)	10.00	10.00	10.00	10.00	40.00	
	for development activities - like poultry, piggy, bee keeping etc.	1.00	1.00	5.00	5.00	20.00	
	Medical Aid to weaker sections, old persons and women of the surrounding villages in their centre in the Buffer Zone of the mining lease @ 50000/- per year.	3.00	1.00	3.00	3.00	12.00	
4	Veterinary camp for immunization of cattle with the help of block veterinary staff.	2.00		1.00	2.00	8.00	
	and other programme including supply, distribution of Pamphlets related to wild life conservation etc.	2.00		1.50	2.50	10.00	
	Provision for conservation of Biodiversity among flora and fauna of the area & Preparation of Biodiversity register	20.00		0.00	0.00	20.00	The amount is to be deposited in the account of Biodiversity Board as this work is to be done by Biodiversity management committee (BMC)
	Total	50.00	20.00	35.00	160.00		

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*Signature*  
 (रामप्रसाद) 01/10/13

प्रधान मुख्य वन संरक्षक (वन्यप्राणी)  
 छत्तीसगढ़, रायपुर  
 रायपुर दिनांक 01/10/2013

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 प्रधान मुख्य वन संरक्षक (वन्यप्राणी) 01/10/13  
 छत्तीसगढ़, रायपुर

Annexure - B

KUDAG BAUXITE MINE LEASE AREA

Annexure-6

Details of Flora and Fauna

*Rupambanthi*

Agent of Mines  
Sama Mines Division  
Hindustan Industries Ltd

**ANNEXURE-6**  
**DETAILS OF FLORA & FAUNA**

**TABLE-1**  
**DETAILS OF DOMINANT PLANT SPECIES IN MINE LEASE AREA (CORE ZONE)**

Name of the plant Species	Local Name	Family
<i>Butea monosperma</i>	Palas	Fabaceae
<i>Acacia Arabica</i>	Babul	Mimosaceae
<i>Leucaena leucophloea</i>	Sabubal	Mimosaceae
<i>Mangifera indica</i>	Aam	Anacardiaceae
<i>Citrus lemon</i>	Nimbu	Rutaceae
<i>Emblica officinalis</i>	Amla	Euphorbiaceae
<i>Ficus hispida</i>	Jungli anjar	Moraceae
<i>Spondias cythera</i>	Kathjamun	Myrtaceae
<i>Terminalia catapa</i>	Badam	Combretaceae
<i>Aplous mitica</i>	Grass	Poaceae
<i>Chloris doli hosta</i>	Grass	Poaceae
<i>Dichanthium annulatum</i>	Grass	Poaceae
<i>Ischaemum cylindrica</i>	Grass	Poaceae
<i>Drosera quadrivalvis</i>	Grass	Poaceae
<i>Arundo donax</i>	Grass	Poaceae
<i>Eragrostis bihata</i>	Grass	Poaceae
<i>Eragrostis tenella</i>	Grass	Poaceae
<i>Setaria glauca</i>	Grass	Cyperaceae
<i>Hyparrhenia maxima</i>	Grass	Graminae
<i>Panicum heterophorum</i>	Congress grass	Compositae
<i>Cereus lita</i>		Caesalpinaceae
<i>Delonix regia</i>	Kachnar	Caesalpinaceae
<i>Dalbergia sissoo</i>	Sisoo	Caesalpinaceae

**TABLE-2**  
**FLORA/VEGETATION IN STUDY AREA (BUFFER ZONE)**

Sr. No.	Technical Name	Family	Life Form
<b>I. Agricultural Crops</b>			
1	<i>Triticum vulgare</i>	Poaceae	Hemicryptophyte
2	<i>Sorghum vulgare</i>	Poaceae	Hemicryptophyte
3	<i>Lolium vulgare</i>	Poaceae	Hemicryptophyte
4	<i>Zea mays</i>	Poaceae	Hemicryptophyte
5	<i>Oryza sativa</i>	Poaceae	Hemicryptophyte
6	<i>Pennisetum typhoides</i>	Poaceae	Hemicryptophyte
<b>II. Commercial Crops (including Vegetables)</b>			
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>Aschis hypogea</i>	Fabaceae	Geophyte
12	<i>Catharanthus pusillus</i>	Compositae	Therophyte
13	<i>Cicer arietinum</i>	Fabaceae	Hemicryptophyte
14	<i>Citrus lemon</i>	Rutaceae	Therophyte
15	<i>Colocasia esculenta</i>	Araceae	Geophyte
16	<i>Coleandrum sativum</i>	Umbelliferae	Hemicryptophyte
17	<i>Daucus carota</i>	Umbelliferae	Geophyte
18	<i>Lycopersicon esculentum</i>	Solanaceae	Therophyte
19	<i>Mangifera indica</i>	Anacardiaceae	Phanerophyte
20	<i>Morinda charantia</i>	Caryophyllaceae	Therophyte
21	<i>Phaseolus sativum</i>	Fabaceae	Therophyte
22	<i>Psidium guava</i>	Myrtaceae	Phanerophyte
23	<i>Solanum tuberosum</i>	Solanaceae	Geophyte
24	<i>Tilich chinensis</i>	Sapindaceae	Phanerophyte
<b>III. Plantations</b>			
25	<i>Psidium coccinosa</i>	Caesalpinaceae	Phanerophyte
26	<i>Albizia leucacantha</i>	Mimosaceae	Phanerophyte
27	<i>Albizia lebeck</i>	Mimosaceae	Phanerophyte
28	<i>Albizia odoratissima</i>	Mimosaceae	Phanerophyte
29	<i>Albizia procera</i>	Mimosaceae	Phanerophyte

Sr. No.	Technical Name	Family	Life Form
30	<i>Azadirachta indica</i>	Meliaceae	Phanerophyte
31	<i>Bauhinia variegata</i>	Caesalpinaceae	Phanerophyte
32	<i>Bauhinia purpuraria</i>	Caesalpinaceae	Phanerophyte
33	<i>Bambusa arundinacea</i>	Poaceae	Phanerophyte
34	<i>Butea monosperma</i>	Caesalpinaceae	Phanerophyte
35	<i>Butea frondosa</i>	Caesalpinaceae	Phanerophyte
36	<i>Eucalyptus sp.</i>	Myrtaceae	Phanerophyte
37	<i>Delonix regia</i>	Caesalpinaceae	Phanerophyte
38	<i>Leucena leucophloe</i>	Caesalpinaceae	Phanerophyte
<b>IV. Natural Vegetation/Forest Type</b>			
39	<i>Abrus precatorius</i>	Fabaceae	Therophyte
40	<i>Abutilon indicum</i>	Malvaceae	Phanerophyte
41	<i>Acacia Arabica</i>	Mimosaceae	Phanerophyte
42	<i>Acacia auriculiformis</i>	Mimosaceae	Phanerophyte
43	<i>Acacia catechu</i>	Mimosaceae	Phanerophyte
44	<i>Acacia intonsa</i>	Mimosaceae	Phanerophyte
45	<i>Acacia fernacea</i>	Mimosaceae	Phanerophyte
46	<i>Acacia leucophloe</i>	Mimosaceae	Phanerophyte
47	<i>Acalypha lanceolata</i>	Mimosaceae	Phanerophyte
48	<i>Acanthospermum hispidum</i>	Euphorbiaceae	Phanerophyte
49	<i>Achyranthes aspera</i>	Compositae	Therophyte
50	<i>Adathoga vasica</i>	Amaranthaceae	Therophyte
51	<i>Adina cordifolia</i>	Acanthaceae	Therophyte
52	<i>Aegle marmelos</i>	Rubiaceae	Therophyte
53	<i>Aerva lanata</i>	Rutaceae	Phanerophyte
54	<i>Ageratum conyzoides</i>	Compositae	Phanerophyte
55	<i>Ailanthus excelsa</i>	Compositae	Phanerophyte
56	<i>Alangium salivus</i>	Simaroubaceae	Therophyte
57	<i>Albizia odoratissima</i>	Alangiaceae	Phanerophyte
58	<i>Albizia procera</i>	Caesalpinaceae	Phanerophyte
59	<i>Alistonia scholaris</i>	Caesalpinaceae	Phanerophyte
60	<i>Alternanthera sessilis</i>	Apocyanaceae	Phanerophyte
61	<i>Alysicarpus hamosus</i>	Amaranthaceae	Phanerophyte
62	<i>Anogeissus latifolia</i>	Fabaceae	Therophyte
63	<i>Anogeissus sericea</i>	Combretaceae	Therophyte
64	<i>Artemisia mexicana</i>	Combretaceae	Phanerophyte
65	<i>Azadirachta indica</i>	Papevaraceae	Phanerophyte
66	<i>Barleria prionites</i>	Meliaceae	Phanerophyte
67	<i>bidens biternata</i>	Acanthaceae	Phanerophyte
68	<i>Blepharis asperima</i>	Compositae	Therophyte
69	<i>Blepharis madagascariensis</i>	Acanthaceae	Therophyte
70	<i>Blumea lacera</i>	Acanthaceae	Phanerophyte
71	<i>Boerhaavia chinensis</i>	Compositae	Therophyte
72	<i>Boerhaavia diffusa</i>	Nyctaginaceae	Therophyte
73	<i>Bombax ceiba</i>	Nyctaginaceae	Therophyte
74	<i>Borreria hispida</i>	Bombacaceae	Therophyte
75	<i>Borreria stricta</i>	Rubiaceae	Phanerophyte
76	<i>Boswellia serrata</i>	Rubiaceae	Therophyte
77	<i>Brassica campylostris</i>	Bursereae	Therophyte
78	<i>Bridelia retusa</i>	Cruciferae	Phanerophyte
79	<i>Bridelia superba</i>	Euphorbiaceae	Therophyte
80	<i>Caesalpinia pulcherrima</i>	Euphorbiaceae	Phanerophyte
81	<i>Calotropis procera</i>	Caesalpinaceae	Phanerophyte
82	<i>Canthium diddynam</i>	Asclpiadaceae	Phanerophyte
83	<i>Capparis aphylla</i>	Rubiaceae	Phanerophyte
84	<i>Capparis deciduas</i>	Capparidaceae	Phanerophyte
85	<i>Cassia carandus</i>	Capparidaceae	Therophyte
86	<i>Cassia spinarium</i>	Apocyanaceae	Phanerophyte
87	<i>Cassia graveolens</i>	Apocyanaceae	Phanerophyte
88	<i>Cassia absus</i>	Samydiaceae	Phanerophyte
89	<i>Cassia absus</i>	Caesalpinaceae	Phanerophyte
90	<i>Cassia auriculata</i>	Caesalpinaceae	Phanerophyte
91	<i>Cassia occidentalis</i>	Caesalpinaceae	Therophyte
92	<i>Cassia tora</i>	Caesalpinaceae	Therophyte
93	<i>Cestrum diurnum</i>	Caesalpinaceae	Therophyte
94	<i>Cestrum nocturnum</i>	Rubiaceae	Phanerophyte
95		Rubiaceae	Therophyte



Sr. No.	Technical Name	Family	Life Form
95	<i>Chloris variegata</i>	Poaceae	Therophyte
96	<i>Cissus quadrangularis</i>	Vitaceae	Therophyte
97	<i>Citrus limon</i>	Rutaceae	Phanerophyte
98	<i>Cleome gynandra</i>	Capparidaceae	Therophyte
99	<i>Compretum ovalifolium</i>	Rubiaceae	Phanerophyte
100	<i>Cordia myxa</i>	Rubiaceae	Therophyte
101	<i>Crotalaria medicaginea</i>	Fabaceae	Therophyte
102	<i>Croton bonplandianum</i>	Amariyllidaceae	Therophyte
103	<i>Cuscuta reflexa</i>	Cuscutaceae	Epiphyte
104	<i>Datura fastuosa</i>	Solanaceae	Therophyte
105	<i>Liatris scabra</i>	Scitaneaceae	Therophyte
106	<i>Desmodium triflorum</i>	Asclepiadaceae	Therophyte
107	<i>Diospyros melanoxylon</i>	Lythraceae	Phanerophyte
108	<i>Diospyros Montana</i>	Lythraceae	Phanerophyte
109	<i>Echinops echinatus</i>	Compositae	Therophyte
110	<i>Eclipta prostrata</i>	Compositae	Hemicryptophyte
111	<i>Emblica officinale</i>	Euphorbiaceae	Phanerophyte
112	<i>Emblica lajerum</i>	Compositae	Hemicryptophyte
113	<i>Erythrina indica</i>	Papilionaceae	Phanerophyte
114	<i>Euphorbia geniculata</i>	Euphorbiaceae	Therophyte
115	<i>Euphorbia hirta</i>	Euphorbiaceae	Therophyte
116	<i>Euphorbia hypericifolia</i>	Euphorbiaceae	Therophyte
117	<i>Euphorbia neruri</i>	Euphorbiaceae	Therophyte
118	<i>Euphorbia nivula</i>	Euphorbiaceae	Therophyte
119	<i>Euphorbia piluliflora</i>	Euphorbiaceae	Hemicryptophyte
120	<i>Euphorbia tricauli</i>	Euphorbiaceae	Hemicryptophyte
121	<i>Evolvulus alsinoides</i>	Convolvulaceae	Therophyte
122	<i>Evolvulus nummularis</i>	Convolvulaceae	Therophyte
123	<i>Feronia elephantum</i>	Rutaceae	Phanerophyte
124	<i>Ficus benghalensis</i>	Moraceae	Phanerophyte
125	<i>Ficus carica</i>	Moraceae	Phanerophyte
126	<i>Ficus glomerata</i>	Moraceae	Phanerophyte
127	<i>Ficus hispida</i>	Moraceae	Phanerophyte
128	<i>Ficus racemosa</i>	Moraceae	Phanerophyte
129	<i>Ficus religiosa</i>	Moraceae	Phanerophyte
130	<i>Ficus ghibosa</i>	Moraceae	Phanerophyte
131	<i>Gardenia latifolia</i>	Rubiaceae	Phanerophyte
132	<i>Gardenia lucida</i>	Rubiaceae	Phanerophyte
133	<i>Garuga pinnata</i>	Burseraceae	Phanerophyte
134	<i>Gleasonardia benevella</i>	Compositae	Hemicryptophyte
135	<i>Gmelina arborea</i>	Rubiaceae	Phanerophyte
136	<i>Gnaphalium globosa</i>	Amaranthaceae	Therophyte
137	<i>Gossypium herbaceum</i>	Malvaceae	Therophyte
138	<i>Grewia abutilifolia</i>	Tiliaceae	Phanerophyte
139	<i>Grewia salivifolia</i>	Tiliaceae	Phanerophyte
140	<i>Grewia subinaqualis</i>	Tiliaceae	Phanerophyte
141	<i>Gynandropsis gynandra</i>	Capparidaceae	Hemicryptophyte
142	<i>Helictis isora</i>	Rubiaceae	Phanerophyte
143	<i>Heliotropium indicum</i>	Rubiaceae	Hemicryptophyte
144	<i>Heliotropium ovalifolium</i>	Rubiaceae	Hemicryptophyte
145	<i>Hemidesmus indicus</i>	Asclepiadaceae	Phanerophyte
146	<i>Hibiscus caesus</i>	Malvaceae	Hemicryptophyte
147	<i>Holarrhena antidysenterica</i>	Asclepiadaceae	Phanerophyte
148	<i>Holostemma annularia</i>	Asclepiadaceae	Phanerophyte
149	<i>Hydrophylla auriculata</i>	Acanthaceae	Hemicryptophyte
150	<i>Hyptis suaveolens</i>	Labiatae	Therophyte
151	<i>Ichnocarpus frutes</i>	Poaceae	Hemicryptophyte
152	<i>Impatiens balsamiana</i>	Balsaminaceae	Therophyte
153	<i>Indigofera hirsuta</i>	Caesalpinaceae	Therophyte
154	<i>Indigofera tinctoria</i>	Caesalpinaceae	Therophyte
155	<i>Indigofera tinctoria</i>	Caesalpinaceae	Therophyte
156	<i>Ipomea aquatica</i>	Convolvulaceae	Hydrophyte
157	<i>Ipomea coccoloba</i>	Convolvulaceae	Therophyte
158	<i>Ipomea tuba</i>	Convolvulaceae	Hemicryptophyte
159	<i>Ixora arborea</i>	Rubiaceae	Phanerophyte
160	<i>Ixora parviflora</i>	Rubiaceae	Phanerophyte

Sr. No.	Technical Name	Family	Life Form
161	<i>Ixora singaporensis</i>	Rubiaceae	Phanerophyte
162	<i>Jasmimum arborens</i>	Oleaceae	Phanerophyte
163	<i>Jatropha gossypifolia</i>	Euphorbiaceae	Therophyte
164	<i>Jussiaea suffruticosa</i>	Onagraceae	Hydrophyte
165	<i>Justia diffusa</i>	Acanthaceae	Therophyte
166	<i>Justicia diffusa</i>	Acanthaceae	Therophyte
167	<i>Lactuca punctata</i>	Compositae	Therophyte
168	<i>Lansea coramandala</i>	Anacardiaceae	Phanerophyte
169	<i>Lansea grandis</i>	Anacardiaceae	Phanerophyte
170	<i>Lansea procumbens</i>	Anacardiaceae	Therophyte
171	<i>Lantana camara</i>	Verbinaceae	Phanerophyte
172	<i>Lawsonia inermis</i>	Lythraceae	Phanerophyte
173	<i>Lepidogathis cristata</i>	Acanthaceae	Therophyte
174	<i>Leptodenia reticulata</i>	Asclepiadaceae	Phanerophyte
175	<i>Leucas aspera</i>	Labiatae	Therophyte
176	<i>Leucas longifolia</i>	Labiatae	Therophyte
177	<i>Leucas longifolia</i>	Labiatae	Therophyte
178	<i>Leucena leucophloe</i>	Caesalpinaceae	Phanerophyte
179	<i>Lunderbergia indica</i>	Scrophulariaceae	Therophyte
180	<i>Lunderbergia ciliate</i>	Scrophulariaceae	Therophyte
181	<i>Lophophora tridinata</i>	Scrophulariaceae	Geophyte
182	<i>Luffa acutangulata</i>	Cucurbitaceae	Therophyte
183	<i>Lycopersicum ESCulentus</i>	Solanaceae	Therophyte
184	<i>Madhuca latifolia</i>	Sapotaceae	Phanerophyte
185	<i>Mallotus philippinus</i>	Euphorbiaceae	Phanerophyte
186	<i>Malvastrum coramandaticum</i>	Malvaceae	Therophyte
187	<i>Mangifera indica</i>	Anacardiaceae	Phanerophyte
188	<i>Marselia quadrifolia</i>	Marseliaceae	Phanerophyte
189	<i>Melia azadirachta</i>	Meliaceae	Phanerophyte
190	<i>Momordica diocea</i>	Cucurbitaceae	Therophyte
191	<i>Merremia emarginata</i>	Convolvulaceae	Therophyte
192	<i>Michaelia champaca</i>	Annonaceae	Phanerophyte
193	<i>Millingtonia hirtella</i>	Bignoniaceae	Phanerophyte
194	<i>Mimosa namata</i>	Mimosaceae	Therophyte
195	<i>Mitragyna parviflora</i>	Rubiaceae	Phanerophyte
196	<i>Mollugo cerviana</i>	Aizoaceae	Therophyte
197	<i>Mollugo hirta</i>	Aizoaceae	Therophyte
198	<i>Moringa oleifera</i>	Moringaceae	Phanerophyte
199	<i>Morus alba</i>	Moraceae	Phanerophyte
200	<i>Mucuna prurita</i>	Papilionaceae	Hemicryptophyte
201	<i>Murraya exotica</i>	Rutaceae	Phanerophyte
202	<i>Murraya koenigii</i>	Rutaceae	Phanerophyte
203	<i>Musa paradisiaca</i>	Musaceae	Therophyte
204	<i>Nymphia sp</i>	Magnoliaceae	Hydrophyte
205	<i>Ocimum americanum</i>	Labiatae	Therophyte
206	<i>Ocimum basilium</i>	Labiatae	Therophyte
207	<i>Ocimum canum</i>	Labiatae	Therophyte
208	<i>Ocimum sanctum</i>	Labiatae	Therophyte
209	<i>Oldenlandia umbellata</i>	Convolvulaceae	Therophyte
210	<i>Oldenlandia corymbosa</i>	Rubiaceae	Therophyte
211	<i>Ocgeinia bojensis</i>	Papilionaceae	Phanerophyte
212	<i>Opuntia dilinii</i>	Opuntiaceae	Therophyte
213	<i>Opuntia elator</i>	Cacataceae	Therophyte
214	<i>Oxalis corniculata</i>	Oxalidaceae	Therophyte
215	<i>Panicum millitii</i>	Poaceae	Hemicryptophyte
216	<i>Panicum notatum</i>	Poaceae	Hemicryptophyte
217	<i>Papaver somniferum</i>	Papaveraceae	Hemicryptophyte
218	<i>Parkinsonia aculeata</i>	Mimosaceae	Phanerophyte
219	<i>Parthenium hysterophorus</i>	Compositae	Therophyte
220	<i>Paspalum strobilanthi</i>	Passifloraceae	Hemicryptophyte
221	<i>Passiflora foetida</i>	Passifloraceae	Phanerophyte
222	<i>Pavonia zeylanica</i>	Malvaceae	Phanerophyte
223	<i>Peltophorum ferrugineum</i>	Caesalpinaceae	Phanerophyte
224	<i>Phoenix aculis</i>	Palmae	Phanerophyte
225	<i>Phyllanthus asperifolius</i>	Euphorbiaceae	Phanerophyte
226	<i>Phyllanthus emblica</i>	Euphorbiaceae	Phanerophyte

Sr. No.	Technical Name	Family	Life Form
227	<i>Phyllanthus niruri</i>	Euphorbiaceae	Therophyte
228	<i>Phyllanthus reticulatus</i>	Euphorbiaceae	Therophyte
229	<i>Physalis minima</i>	Solanaceae	Therophyte
230	<i>Pithecolobium dulce</i>	Mimosaceae	Phanerophyte
231	<i>Polyalthia longifolia</i>	Annonaceae	Phanerophyte
232	<i>Polygala ererptera</i>	Polygalaceae	Therophyte
233	<i>Pongamia pinnata</i>	Fabaceae	Phanerophyte
234	<i>Portulaca oleracea</i>	Portulacaceae	Therophyte
235	<i>Psidium guava</i>	Myrtaceae	Phanerophyte
236	<i>Punica granatum</i>	Punicaceae	Therophyte
237	<i>Rardia dumetorum</i>	Rubiaceae	Phanerophyte
238	<i>Rosa indica</i>	Rosaceae	Therophyte
239	<i>Rosa machata</i>	Rosaceae	Therophyte
240	<i>Saccharum munja</i>	Poaceae	Hemicryptophyte
241	<i>Saccharum officinarum</i>	Poaceae	Therophyte
242	<i>Salmalia malabarica</i>	Salmaliaceae	Phanerophyte
243	<i>Sapindus emarginatus</i>	Sapindaceae	Phanerophyte
244	<i>Schleichera triflora</i>	Combretaceae	Phanerophyte
245	<i>Schreberia swietenioides</i>	Sapindaceae	Phanerophyte
246	<i>Schleichera oleosa</i>	Sapindaceae	Phanerophyte
247	<i>Sesamum indicum</i>	Pedaliaceae	Therophyte
248	<i>Shorea robusta</i>	Dipterocarpaceae	Hemicryptophyte
249	<i>Sida orientalis</i>	Malvaceae	Phanerophyte
250	<i>Sida acuminata</i>	Malvaceae	Phanerophyte
251	<i>Solanum nigrum</i>	Solanaceae	Hemicryptophyte
252	<i>Solanum xanthocarpum</i>	Solanaceae	Therophyte
253	<i>Sterculia villosa</i>	Tiliaceae	Therophyte
254	<i>Stereospermum chinoides</i>	Bignoniaceae	Phanerophyte
255	<i>Syzygium cumini</i>	Myrtaceae	Phanerophyte
256	<i>Tamarindus indica</i>	Caesalpinaceae	Phanerophyte
257	<i>Tecomella undulata</i>	Bignoniaceae	Therophyte
258	<i>Tectona grandis</i>	Verbinaceae	Phanerophyte
259	<i>Trichostema purpurum</i>	Fabaceae	Therophyte
260	<i>Terminalia bellarica</i>	Combretaceae	Phanerophyte
261	<i>Terminalia chebula</i>	Combretaceae	Phanerophyte
262	<i>Terminalia tomentosa</i>	Combretaceae	Phanerophyte
263	<i>Tinospora cordifolia</i>	Rhamnaceae	Therophyte
264	<i>Tragus biflorus</i>	Poaceae	Hemicryptophyte
265	<i>Tubulus terrestris</i>	Zygophyllaceae	Therophyte
266	<i>Tudax procumbens</i>	Compositae	Therophyte
267	<i>Triumferta pilosa</i>	Tiliaceae	Therophyte
268	<i>Vernonia cinerea</i>	Compositae	Therophyte
269	<i>Vicia indica</i>	Compositae	Phanerophyte
270	<i>Vitex Negundo</i>	Verbinaceae	Phanerophyte
271	<i>Vitex negundo</i>	Verbinaceae	Therophyte
272	<i>Vitis Vermifera</i>	Vitaceae	Therophyte
273	<i>Vivevera zizanioides</i>	Poaceae	Therophyte
274	<i>Wrightia tomentosa</i>	Apocyanaceae	Phanerophyte
275	<i>Xanthium strumarium</i>	Compositae	Therophyte
276	<i>Yucca gloriosa</i>	Agavaceae	Therophyte
277	<i>Zizyphus jujube</i>	Rhamnaceae	Therophyte
278	<i>Zizyphus mauritiana</i>	Rhamnaceae	Phanerophyte
<b>V. Grasslands</b>			
279	<i>Alysicarpus</i>	Poaceae	Hemicryptophyte
280	<i>Chloris dolichostachya</i>	Poaceae	Hemicryptophyte
281	<i>Cyanodactylon sp.</i>	Poaceae	Geophyte
282	<i>Dichanthium annulatum</i>	Poaceae	Hemicryptophyte
283	<i>Ipurta cylindrica</i>	Poaceae	Hemicryptophyte
284	<i>Saccharum spontaneum</i>	Poaceae	Hemicryptophyte
285	<i>Themeda quadrivalvis</i>	Poaceae	Hemicryptophyte
286	<i>Aristida adscensionis</i>	Poaceae	Hemicryptophyte
287	<i>Cenchrus ciliaris</i>	Poaceae	Hemicryptophyte
288	<i>Cenchrus setigerus</i>	Poaceae	Therophyte
289	<i>Cymbopogon nardus</i>	Poaceae	Therophyte
290	<i>Cyperus aristatus</i>	Cyperaceae	Hemicryptophyte
291	<i>Cyperus triceps</i>	Cyperaceae	Therophyte

Sr. No.	Technical Name	Family	Life Form
292	<i>Dactyloctenium aegyptium</i>	Poaceae	Therophyte
293	<i>Digetaria bicoloris</i>	Poaceae	Hemicryptophyte
294	<i>Digetaria Segetaria</i>	Poaceae	Hemicryptophyte
295	<i>Eragrostis biferia</i>	Poaceae	Therophyte
296	<i>Eragrostis tenax</i>	Poaceae	Therophyte
297	<i>Ischaemum rugosum</i>	Poaceae	Hemicryptophyte
298	<i>Setaria glauca</i>	Cyperaceae	Hemicryptophyte
299	<i>Fulakopsis binata</i>	Graminae	Hemicryptophyte
300	<i>Thysanolaena maxima</i>	Graminae	Hemicryptophyte
	<b>Endangered plants</b>		No endangered plant species observed during study period and also from records of Botanical Survey of India (Red data of Books of Indian Plants)

**TABLE-3**  
**FAUNA AND THEIR CONSERVATION STATUS FROM MINE LEASE AREA (CORE ZONE)**

Technical Name	English Name/Local Name	Wild Life Protection Act (1972) Status
<b>Aves</b>		
<i>Ptilinopus niger</i>	Little cormorant	Sch-IV
<i>Nycticorax nycticorax</i>	Night heron	Sch-IV
<i>Ardeola grayii grayii</i>	Paddy bird	Sch-IV
<i>Bulbulus ibis coromandus</i>	Cattle egret	Sch-IV
<i>Eudynamis scolopacea</i>	Indian koel	Sch-IV
<i>Micropus philippinus philippinus</i>	Bluetailed bee-eater	Sch-IV
<i>Ducula benghalense tehranae</i>	Malabar golden backed Woodpecker	Sch-IV
<i>Acridotheres tristis tristis</i>	Common myna	Sch-IV
<i>Nectarinia minima</i>	Small sunbird	Sch-IV
<i>Passer domesticus indicus</i>	Indian house sparrow	Sch-IV
<b>Butterflies</b>		
<i>Hypolimnas bolina Lin.</i>	Common butterfly	-
<i>Euplectra core Cramer</i>	Common crow	-
<i>Morpho hylas Moore</i>	Common sailor	-
<i>Euplectra hecabe Lin.</i>	Common grass yellow	-
<i>Papilio aegle Stoll.</i>	Glassy tiger	-
<b>Mammals</b>		
<i>Funambulus palmarum</i>	Squirrel	-
<i>Sus scrofa</i>	Wild pig	Sch-IV
<i>Herpestes edwardii</i>	Common mongoose	Sch-III
<i>Vulpes benghalensis</i>	Wild fox	Sch-IV
<i>Hystrix indica</i>	Porcupine	Sch-II

**TABLE-4**  
**FAUNA AND THEIR CONSERVATION STATUS IN STUDY AREA (BUFFER ZONE)**

Technical Name	English Name/Local Name	Wild Life Protection Act (1972) Status
<b>Aves</b>		
<i>Ptilinopus niger</i>	Little cormorant	Sch-IV
<i>Ardea purpurea manillensis</i>	Eastern purple heron	Sch-IV
<i>Nycticorax nycticorax</i>	Night heron	Sch-IV
<i>Ardeola grayii grayii</i>	Paddy bird	Sch-IV
<i>Dupetor flavicollis</i>	Black bittern	Sch-IV
<i>Ardea alba modesta</i>	Large egret	Sch-IV
<i>Bulbulus ibis coromandus</i>	Cattle egret	Sch-IV
<i>Milvus migrans javana</i>	Common pariah kite	Sch-IV
<i>Haliaeetus indus indus</i>	Eurasian kite	Sch-IV
<i>Vanellus indicus indicus</i>	Redwattled lapwing	Sch-IV
<i>Tringa hypoleucos</i>	Common sandpiper	Sch-IV
<i>Gelochelidon nilotica nilotica</i>	Gull billed tern	Sch-IV
<i>Eudynamis scolopacea</i>	Indian koel	Sch-IV
<i>Micropus philippinus philippinus</i>	Indian white breasted kingfisher	Sch-IV
	Bluetailed bee eater	Sch-IV

Technical Name	English Name/Local Name	Wild Life Protection Act (1972)
<i>Coracias benghalensis indica</i>	Southern Indian Roller	Sch-IV
<i>Dinopium benghalense tehrinae</i>	Malabar golden backed Woodpecker	Sch-IV
<i>Acridotheres tristis tristis</i>	Common myna	Sch-IV
<i>Corvus splendens protegatus</i>	Ceylon house crow	Sch-IV
<i>Troglodytes minima</i>	Small sunbird	Sch-IV
<i>Neohelena zeylonica sola</i>	Indian purple rumped sunbird	Sch-IV
<i>Arachnothera longirostris</i>	Little spinder hunter	Sch-IV
<i>Passer domesticus indicus</i>	Indian house sparrow	Sch-IV
<i>Copsychus saularis ceylonensis</i>	Scutleryn magpie-robin	Sch-IV
<i>Cathartetus saturus</i>	Tailor bird guzurata	Sch-IV
<i>Pavocristatus</i>	Peacock	Part-III of Sch-I
<b>Amphibians</b>		
<i>Rana tigrana</i>	Common frog	Sch-IV
<i>Bufo mysianosticus</i>	Toad	Sch-IV
<b>Reptiles</b>		
<i>Calotes versicolor</i>	Lizard	Sch-IV
<i>Calotes versicolor</i>	Common garden lizard	Sch-IV
<i>Chamaeleon zeylanicus</i>	Indian chamaeleon	Sch-II
<i>Lycodon spp.</i>	Wolf snake	Sch-III
<i>Bungarus spp.</i>	Cat snake	Sch-III
<i>Burjans spp.</i>	Krait	Sch-II
<i>Buna bura</i>	Indian cobra	Sch-III
<i>Viper spp.</i>	Russell's viper	Sch-III
<i>Python sp.</i>	Python sp	Sch-I
<b>Butterflies</b>		
<i>Pachliopta hector Lin.</i>	Crimson rose	-
<i>Papilio demoleus Lin.</i>	Lime butterfly	-
<i>Graphium agamemnon Lin.</i>	Tailed jay	-
<i>Inonotus almiana Lin.</i>	Peacock pansy	-
<i>Hypolimnax bolina Lin.</i>	Great egret	-
<i>Euploea core Chamer</i>	Common crow	-
<i>Neptis hylas Moore</i>	Common sailor	-
<i>Leucophaea hector Lin.</i>	Common grass yellow	-
<i>Catopsalis spp.</i>	Emigrant	-
<b>Mammals</b>		
<i>Rattus sp.</i>	Rat	Sch-IV
<i>Lepus nigricollis</i>	Hare	Sch-IV
<i>Canis aureus</i>	Jackal	Sch-III
<i>Presbytis entellus</i>	Langur	Sch-II
<i>Presbytis phayrei</i>	Monkey	Sch-I
<i>Funambulus spp.</i>	Squirrel	Sch-IV
<i>Funambulus palmarum</i>	Squirrel	Sch-IV
<i>Sus scrofa</i>	Wild pig	Sch-III
<i>Rattus norvegicus</i>	Field mouse	Sch-V
<i>Rattus rattus</i>	House rat	Sch-V
<i>Rhinolophus spp.</i>	Bat	Sch-V
<i>Hipposiderus spp.</i>	Bat	Sch-V
<i>Herpestes edwardii</i>	Common mongoose	Sch-IV
<i>Bandicota indica</i>	Bandicoot	Sch-V
<i>Bandicota bengalensis</i>	Bandicoot	Sch-V
<i>Vulpus benghalensis</i>	Wild fox	Sch-III
<i>Ursus ursinus</i>	Bear	Sch-III
<i>Hystrix indica</i>	Porcupine	Sch-IV
<i>Cervus cervus</i>	Spotted deer	Sch-III
<i>Canis lupus pallipes</i>	Indian wolf	Part-I of Sch-I
<i>Meles meles capensis</i>	Indian leopard	Part-I of Sch-I
<i>Uncia uncia</i>	Indian leopard	Part-I of Sch-I
<i>Felis chaus</i>	Jungle cat	Part-II of sch-II
<i>Paradoxurus hermaphroditus</i>	Indian Small civet	Part-I of sch-I
<i>Muntiacus muntiacus</i>	Barking deer	Sch-III
<i>Macaca mulata</i>	Monkey	Part-I of Sch-I

## Year wise / Lease wise Details of Afforestation

Year	Kudag Bauxite Mines		Samri Bauxite Mines		Tatijharla Bauxite Mines		Total	
	No. of Sapling	Area in hect.	No. of Sapling	Area in hect.	No. of Sapling	Area in hect.	No. of Sapling	Area in hect.
1998-99	900	0.1	0	0	0	0	900	0.1
1999-00	7000	2.58	0	0	0	0	7000	2.58
2000-01	7500	3.21	0	0	0	0	7500	3.21
2001-02	10000	5.01	0	0	0	0	10000	5.01
2002-03	4000	1.56	3800	2.44	0	0	7800	4
2003-04	4200	2.57	5500	2.81	0	0	9700	5.38
2004-05	6750	2.9	8222	2.8	2000	1	16972	6.7
2005-06	800	0.5	11100	3.8	8700	3.4	20600	7.7
2006-07	4940	2	16510	6.884	8190	3.3	29640	12.184
2007-08	2950	1.3	18880	7.75	6390	2.5	28220	11.55
2008-09	32200	12.72	5000	2.47	3000	1.5	40200	16.69
2009-10	15700	6.20	15100	6.00	7850	3.20	38650	15.40
2010-11	1500	0.600	18325	7.200	8750	3.400	28575	11.200
2011-12	3015	1.200	11575	4.600	3370	1.360	17960	7.160
2012-13	1200	0.500	12400	5.000	4600	1.900	18200	7.400
2013-14	950	0.400	8700	3.500	4875	2.000	14525	5.900
2014-15	5575	2.230	12850	5.150	7750	3.100	26175	10.480
2015-16	4000	1.600	10139	4.050	7500	3.000	21639	8.650
2016-17	4390	2.800	9110	3.700	5950	2.400	19450	8.900
2017-18	2960	1.220	11681	4.970	8868	3.540	23509	9.730
2018-19	2780	1.110	19730	7.900	19967	7.990	42477	17.000
<b>Total</b>	<b>123310</b>	<b>52.31</b>	<b>198622</b>	<b>81.024</b>	<b>107760</b>	<b>43.590</b>	<b>429692</b>	<b>176.924</b>



**Agent of Mines**  
Samri Mines Division  
Hindalco Industries Ltd

Hindalco Industries Ltd.

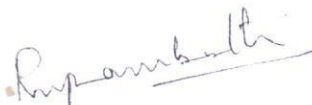
Mines Division, Samri

20.08.2018

### Environment Management Cell


An Environment Management Cell is re-constituted by the following members which is compliance of the EC conditions for the Samri, Kudag and Tatijharia Bauxite Mines.

<u>S.No.</u>	<u>Name</u>	<u>Designation</u>	<u>Position</u>
1.	Mr. R R P Ambastha	Agent of Mines	Chairman
2.	Mr. P R Parmar	AGM- Mines	Secretary
3.	Mr. Amit Tiwary	Manager – Mines	Member
4.	Mr. Tapas Gachhayat	Manager- Geology	Member
5.	Dr. M Kumar	Sr. Medical Officer	Member
6.	Mr. K K Singh	Dy. Manager- Mines	Member
7.	Mr. Manoj Dixit	Assistant Manager- Geology	Member
8.	Mr. C S Prasad	Dy. Officer – Lab.	Member



(R R P Ambastha)

Agent of Mines



**Agent of Mines**  
Samri Mines Division  
Hindalco Industries Ltd

## Self Help Group (SHGs) , Kudag

No. of SHGs	12
No of Beneficiaries	120
No of group linked with bank	12
Average Saving / Group – Rs. 10,000	Rs. 10,000/-
Facility provided to groups	Register, Passbook, Dari, Sewing Machine, Income Generation training and other exposure programme like linkages with bank and training with NRLM
Groups engaged in income generation activities	12

*Rupambanthi*

**Agent of Mines**  
Samri Mines Division  
Hindalco Industries Ltd



SHGs Details  
(Kudag)

Sl.No	SHG Name	Village Name	District Name	No Of Members	A/C Details		Economic Activity Name
					Members Savings in Bank A/C	Bank Loan Received	
1	Nuri Self Help Group	Saraidih	Balrampur	10	9850.00	-	Agriculture
2	Shabnam Self Help Group	Saraidih	Balrampur	10	11000.00	-	Agriculture
3	Suhana Self Help Group	Saraidih	Balrampur	10	6000.00	-	
4	Rupa Self Self Help Group	Saraidih	Balrampur	10	12500.00	-	Agriculture
5	Sushila Self Help Group	Banjutoli	Balrampur	10	11650.00	-	Agriculture
6	Chameli Self Help Group	Bata	Balrampur	10	20000.00	-	Agriculture
7	Chameli Self Help Group	Bata (Banjutoli)	Balrampur	10	21000.00	-	Agriculture
8	Punam Self Help Group	Balapani	Balrampur	10	19500.00	-	Agriculture
9	Gulab Self Help Group	Kudag	Balrampur	10	13134.00	-	Agriculture
10	Shubham Self Help Group	Balapani	Balrampur	10	6500.00	-	Agriculture
11	Chameli Self Help Group	Kudag	Balrampur	10	12000.00	-	Agriculture
12	Resham Self Help Group	Kudag	Balrampur	10	8000.00	-	Agriculture