

Year: 2022

**DISTRICT
ENVIRONMENT
PLAN
NUAPADA, ODISHA**



Collector & District Magistrate
Collectorate, Nuapada

PREFACE

Planning is an important function of management. A well thought plan helps in managing the resources, human, finance, material and time etc. in effective manner.

In our day-to-day operations, we inevitably impact on the environment in a number of ways. So we need to minimize the potential harmful effects of such activity.

We will implement our policies through a co-ordinated environmental management system by emphasizing on sustainable waste management and to recycle the waste materials.

The District Environment Plan (DEP) of Nuapada District was earlier prepared by the District Environment Committee. Subsequently, some more templates were added to this plan to update and revamp it in order to bring out a more comprehensive and to pragmatic plan in compliance to the directives of Hon'ble National Green Tribunal (NGT).

A sincere effort has been made by the District Environment Committee (DEC), under the chairmanship of Collector & District Magistrate, Nuapada by coordinating all members of the committee and other stakeholders to solicit requisite information as per the given indicative templates. Eventually with warm co-operation of concerned departments of the District, especially the local urban bodies (ULB) and health care facilities (HCF), the complete District Environment Plan has been concluded and formulated for a healthy and pollution-free environment of Nuapada District.

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1.0- DISTRICT PROFILE OF NUAPADA

(a) District Administrative Setup

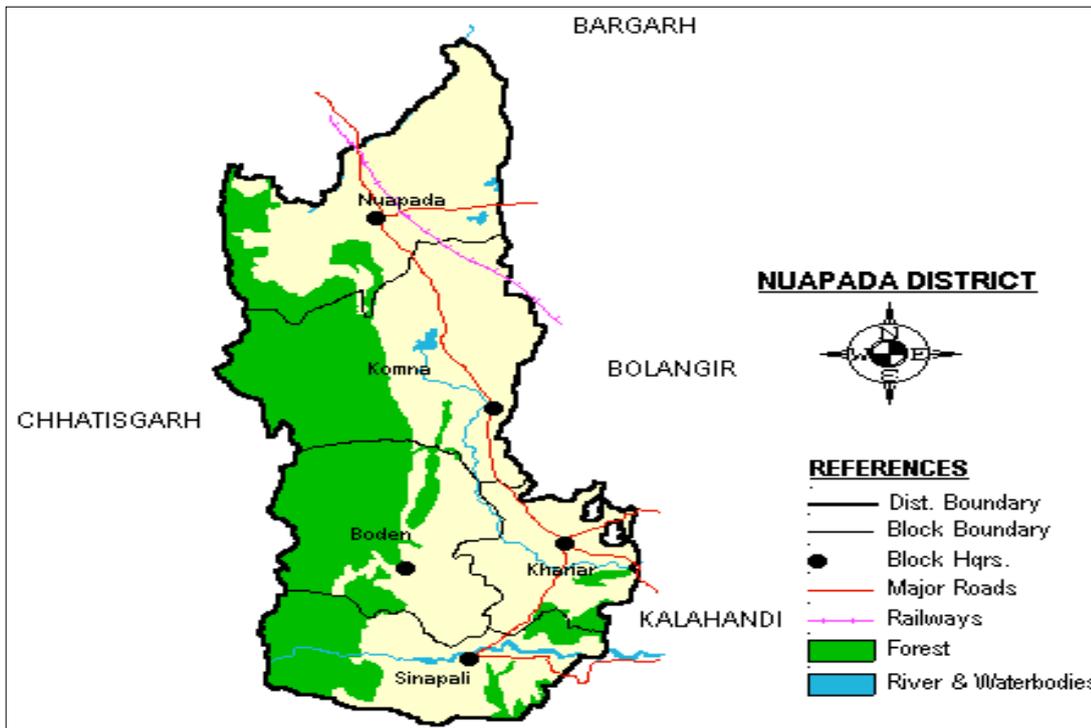
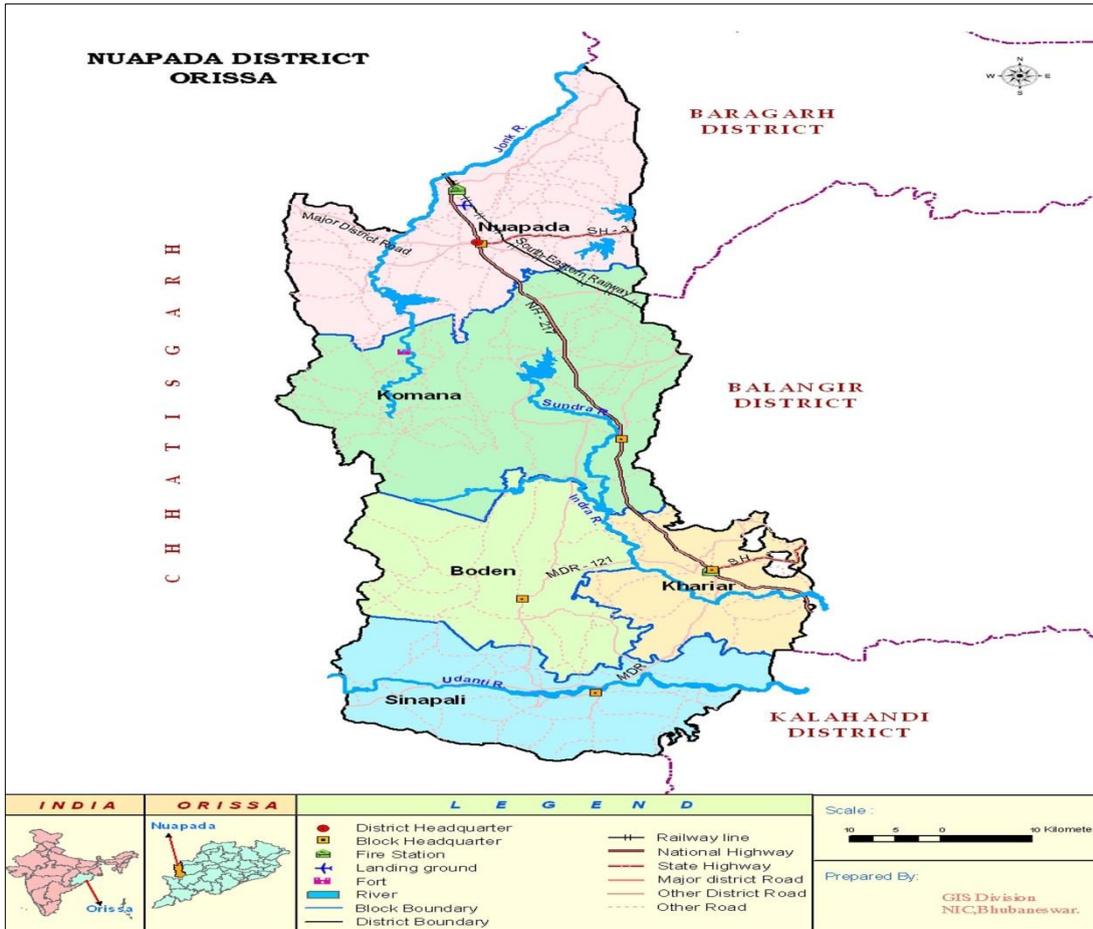
The Nuapada area was by that time under the kings of Sarabhapuriya dynasty whose **copper plate record and gold coins are available**. This region came under the occupation of the Somavamsis of South Kosala during the 8th century A.D. when Mahaivagupta Balarjuna was ruling from his headquarters at Sripur. Nuapada District belongs to state of Odisha, India. The District is located in the western part of Odisha. It lies between North latitudes 21°0" and 21° 06" and East longitude 82° 19" and 82°60", falling in Survey of India Topo sheet Nos. 64K, 64L.

The District of Nuapada was a part of Kalahandi District until early March 1993, but for administrative convenience, Kalahandi District was divided into two parts – Kalahandi and Nuapada. The district of Nuapada has an area of 3852 km² and its rank in Odisha is 19. The administrative headquarters is located at Nuapada. Its boundaries extend in the north, west and south to Mahasamund district in Chhattisgarh and in the east to Bargarh, Balangir and Kalahandi districts.

Nuapada district has basically an agrarian and forest economy. Much of the population depends on agriculture and forest. They live in subsistence economy in the absence of any alternative sources of meaningful employment. The lives of the rural people revolve around natural resources. Its management has a lot to do on their lives. Their livelihood is determined largely by the Non-Timber Forest Produces (NTFP) like Mahua flower, Char, Harida and Bahada, Tol etc. They procure NTFP both for consumption as well as selling. Nuapada one of the economically backward district of western Orissa with a geographical area of 3852 sq. km is an integral part of Western Orissa Development Council constituted by Govt. of Orissa and very often reels under severe drought condition. About 93 percent of the population of the district lives in rural areas and agriculture is the main occupation of the people. The agriculture is mostly rain fed and due to lack of adequate irrigation facilities and recurring severe drought conditions in the district, the agricultural production is very often curtailed.

Eco- Sensitive Zone

Width (approx.) 10 Km from Sunabeda Wildlife Sanctuary boundary, but on southern side it extends up to 20 Km up to Udanti Sanctuary of Chhatisgrh State. The area of Eco-sensitive Zone of Sunabeda Sanctuary is 92,894 Ha. The Reserve Forests are Lakhna Reserve Forest & Amodi Reserve Forest. The area cover under lakhna Reserve Forest is 14.97 Ha & Amodi Reserve Forest is 71.96 Ha.



The Collector and District Magistrate is the administrative head of the district. For effective District Magistrate & Collector, Nuapada

administration, he is assisted by Additional District Magistrates, Deputy Collectors, Sub-Collectors, Block Development Officers and Tahsildars. The district consists of one sub-division namely Nuapada and is under the administrative control of a Sub-collector. For convenience of revenue administration, the district is divided into 5 Tahasils and 5 community development blocks under administrative control of Tahasildars and Block Development Officers respectively as mentioned below:

a. Administrative Setup of Nuapada District

SI No	Name of the Sub-division	Name of the Tehsil	Name of the CD Block	No. of G.P	No. of Villages
1	Nuapada	Nuapada	Nuapada	28	169
2		Komna	Komna	27	168
3		Khariar	Khariar	18	116
4		Boden	Boden	14	89
5		Sinapali	Sinapali	22	126

(b) Local Institution

Local institutions play a crucial role in shaping adaptation to climate change, Education etc. The local Institutions connect households to local resources and collective action; determine flows of external support to different social groups. The Institutions detail of Nuapada District is furnished below: -

Table 1: The detail information on local institution of Nuapada district

SI No	Name of the Local Institution (High School)	Name of the Block	Category
01	Govt. National College, Nuapada	Nuapada	Government
02	Govt. Science College, Nuapada	Nuapada	Government
03	Women College, Khariar Road	Nuapada	Government
04	Mahamaya Institute of Medical & Technical Science, Nuapada	Nuapada	Government
05	Khariar Autonomous College, Khariar	Khariar	Government
06	Sri Jagannath College of Physiotherapy, Khariar Road	Khariar Road	Private
07	Model Degree College, Nuapada	Nuapada	Government
08	Batakrushna College of Pharmacy,	Nuapada	Private
09	Lokdrusti College of Advance Technology, Khariar	Khariar	Private
10	Parikshita Tiger +2 Science College, Khariar	Khariar	Private
11	K.M Degree College, Tukla	Khariar	Private
12	Government Polytechnic, Nuapada	Nuapada	Government
13	Gopinath G.N.M Training College, Salebhata	Nuapada	Private
14	G.M. College, Hatibandha	Khariar	Private
15	Sinapali Degree College, Sinapali	Sinapali	Private
16	Govt I.T.I, Khariar	Khariar	Government
17	Biju Pattnaik Degree College, Boden	Boden	Private
18	Biju Pattnaik Junior College, Boden	Boden	Government
19	D.I.E.T, Nuapada	Nuapada	Government
20	K.G.N.T Computer Institute, Nuapada	Nuapada	Government
21	Kendriya Vidyalaya, Nuapada	Nuapada	Government
22	Navjyoti Vidyalaya, Nuapada	Khariar Road	Government
23	Jawahar Novoday Vidyalaya, Tarbod	Nuapada	Government
24	Ekalavya Model Residential School, Nuapada	Nuapada	Government
25	National High School, Nuapada	Nuapada	Government
26	Govt .Girls High School, Khariar Road	Nuapada	Government

27	Gopabandhu Bidyapitha, Khariar Road	Nuapada	Government
28	Panchayat High School, Beltukri	Nuapada	Government
29	Public High School, Bhaleswar	Nuapada	Government
30	Janamangal High School, Kuliabandh	Nuapada	Government
31	Sarabong High School, Sarabong	Nuapada	Government
32	Govt. UGHS, Kalyanpur	Nuapada	UGHS
33	Govt. UGHS, Khutbanbhera	Nuapada	UGHS
34	Govt. UGHS, Maguripani	Nuapada	UGHS
35	Govt. UGHS, Jenjera	Nuapada	UGHS
36	Govt. UGHS, Chulabhat	Nuapada	UGHS
37	Govt. UGHS, Dumerpani	Nuapada	UGHS
38	Govt. UGHS, Kendubahara	Nuapada	UGHS
39	Govt. UGHS, Kermeli	Nuapada	UGHS
40	Govt. UGHS, Bhanpur	Nuapada	UGHS
41	Govt. UGHS, Masankunda	Nuapada	UGHS
42	Govt. UGHS, Amanara	Nuapada	UGHS
43	Govt. UGHS, Torra	Nuapada	UGHS
44	Govt. UGHS, Bharuamunda	Nuapada	UGHS
45	Govt. UGHS, Kalmidadar	Nuapada	UGHS
46	Govt. UGHS, Biromal	Nuapada	UGHS
47	Panchayat High School, Darlimunda	Nuapada	Government aided
48	Public High School, Parkod	Nuapada	Government aided
49	Saipala High School, Saipala	Nuapada	Government aided
50	Kanabhaira High School, Tanwat	Nuapada	Government aided
51	Sriram High School, Pawartola	Nuapada	Aided
52	Janakalyan High School, Bisora	Nuapada	Aided
53	G.D.G.S High School, Godfula	Nuapada	Aided
54	Panchayat High School, Kodomeri	Nuapada	Aided
55	Panchayat High School, Jampani	Nuapada	Aided
56	Govt. SSD High School, Dharambandha	Nuapada	TRW
57	Govt. SSD High School, Siallati	Nuapada	TRW
58	Govt. SSD Girls High School, Kotechuan	Nuapada	TRW
59	OAV, Negipali	Nuapada	Government
60	Saraswati Shishu Vidymandir, Khariar Road	Nuapada	Private
61	Dr. Katju High School, Bhela	Komna	Government
62	Panchayat High School, Budhikomna	Komna	Government
63	Jitamitra High School, Komna	Komna	Government
64	Govt. Girls High School, Komna	Komna	Government
65	Jagannath High School, Konabira	Komna	Government
66	Jaikishan High School, Lakhna	Komna	Government
67	R.B.P. Banjibahal	Komna	Government
68	G.N.U. V.P, Salangipada	Komna	Government
69	Shree Jagannath High School, Tikrapada	Komna	Government
70	Govt. UGHS, Kantapali	Komna	UGHS
71	Govt. UGHS, Jadamunda	Komna	UGHS
72	Govt. UGHS Chhata	Komna	UGHS
73	Govt. UGHS Samarsingh	Komna	UGHS
74	Govt. UGHS Chhindpani	Komna	UGHS
75	Govt. UGHS Adar	Komna	UGHS
76	Govt. UGHS, Gatibeda	Komna	UGHS
77	Govt. UGHS, Mendhatal	Komna	UGHS
78	Manikguda High School, Manikguda	Komna	Government aided
79	Panchayat High School, Kureswar	Komna	Government

			aided
80	Saraswati High School, Kurumpuri	Komna	Government aided
81	Sunadei High School, Bishibahal	Komna	Government aided
82	Tarbod High School, Tarbod	Komna	Government aided
83	Chakadola High School, Ulva	Komna	Aided
84	M.B. High School, Kandetara	Komna	Aided
85	Ghasiram High School, Nuagaon	Komna	Aided
86	Pallavi High School, Pendrawan	Komna	Aided
87	Sri Somnath High School, Rajana	Komna	Aided
88	Siallati High School, Siallati	Komna	Aided
89	Ramachandra High School, Kamkeda	Komna	Aided
90	Panchayat High School, Mundapala	Komna	Aided
91	Govt. SSD High School Darlipada	Komna	TRW
92	OAV, Jhagrahi	Komna	Government
93	Holly Home Complex, Sinapali	Komna	Private
94	Raja A.T. High School, Khariar	Khariar	Government
95	Govt. Girls High School, Khariar	Khariar	Government
96	Jai Kishan High School, Bargaon	Khariar	Government
97	G.Y.S High School, Bhuliasikuan	Khariar	Government
98	Panchayat High School, Lohrapali	Khariar	Government
99	Duajhar High School, Duajhar	Khariar	Government
100	Tukla High School, Tukla	Khariar	Government
101	Govt. UGHS, Amalapali	Khariar	UGHS
102	Govt. UGHS, Birighat	Khariar	UGHS
103	Ramnath Uchha Vidyapitha, Chalanpada	Khariar	Government Aided
104	Panchayat High School, Badi	Khariar	Aided
105	Bapuji High School, Junani	Khariar	Aided
106	Amar High School, Chanabeda	Khariar	Aided
107	Jai Shree Jagannath High School, Kushmal	Khariar	Aided
108	Rudra Padmini High School, Chindaguda	Khariar	Aided
109	Budadeo High School, Dabiri	Khariar	Aided
110	Om Khasbahal High School, Bankapur	Khariar	Aided
111	Madhusudan High School, Khasbahal	Khariar	Aided
112	Panchayat High School, Khudpej	Khariar	Aided
113	Gopinath High High School, Sunarisikuan	Khariar	Aided
114	Panchayat High School, Kendupati	Khariar	Aided
115	Panchayat High School, Nehena	Khariar	Aided
116	Panchayat High School, Ranimunda	Khariar	Aided
117	Panchayat High School, Ghardhara	Khariar	Aided
118	Bighnaraj High School, Sanmaheswar	Khariar	Aided
119	Panchayat High School, Dhankasar	Khariar	Aided
120	Sulochana Devi Girls High School, Tukla	Khariar	Aided
121	Panchayat High School, Bhojpur	Khariar	Aided
122	OAV, Badi	Khariar	Government
123	Saraswati Shishu Vidya Mandir, Gandramunda	Khariar	Private
124	Mahulpada High School, Mahulpada	Boden	Government
125	Bastrayani High School, Domjhar	Boden	Government
126	Karangmal High School, Karangmal	Boden	Government
127	Janashakti High School, Khaira	Boden	Government
128	Lakra High School, Lakra	Boden	Government
129	Govt. UGHS, Sunapur	Boden	UGHS
130	Govt. UGHS, Baklikhunti	Boden	UGHS
131	Govt. UGHS, Dhobei	Boden	UGHS
132	Dwarsani High School, Kerapadar	Boden	Government

			Aided
133	Gopinath High School, Litisargi	Boden	Government Aided
134	Panchayat High School, Babebir	Boden	Aided
135	Guru Budha High School, Rundi	Boden	Aided
136	Panchayat High School, Boirgaon	Boden	Aided
137	Budhadeo High School, Farsara	Boden	Aided
138	Samleswari High School, Karlakote	Boden	Aided
139	Panchayat High School, Nagpada	Boden	Aided
140	Panchayat High School, Rokal	Boden	Aided
141	Jayabahal High School, Jayabahal	Boden	Aided
142	Dharnimal High School, Dharnimal	Boden	Aided
143	Govt. SSD High School, Boden	Boden	TRW
144	OAV, Keshraipur	Boden	Government
145	Sinapali High School, Sinapali	Sinapali	Government
146	Hatibandha High School, Hatibandha	Sinapali	Government
147	Niljee High School, Niljee	Sinapali	Government
148	Singhjar High School, Singhjar	Sinapali	Government
149	Govt. UGHS, Ghantiguda	Sinapali	UGHS
150	Govt. UGHS, Ghatmal	Sinapali	UGHS
151	Govt. UGHS, Jogibahal	Sinapali	UGHS
152	Govt. UGHS, Patialpada	Sinapali	UGHS
153	Govt. UGHS, Portipada	Sinapali	UGHS
154	Panchayat High School, Bargaon	Sinapali	Government Aided
155	Panchayat High School, Bharuamunda	Sinapali	Government Aided
156	B.U.V.P, Chatiaguda	Sinapali	Government Aided
157	Panchayat High School, Gandabahali	Sinapali	Government Aided
158	Shree Jagannath High School, Kendumunda	Sinapali	Government Aided
159	Samleswari High School, Timanpur	Sinapali	Government Aided
160	A.A.H.S, Mahagaon	Sinapali	Aided
161	Girls High School, Sinapali	Sinapali	Aided
162	Panchayat High School, Godal	Sinapali	Aided
163	Baijalgarh High School, Gorla	Sinapali	Aided
164	M.R.M.H.S, Chalana	Sinapali	Aided
165	Debicharan High School, Jharbandh	Sinapali	Aided
166	Gangadhar High School, Ghuchaguda	Sinapali	Aided
167	B.B. H.S Khairpadar	Sinapali	Aided
168	Radha Krushna High School, Kusumjor	Sinapali	Aided
169	Dharmapada High School, Liad	Sinapali	Aided
170	Kalinga High School, Bhatapani	Sinapali	Aided
171	OAV, Timanpur	Sinapali	Government
172	Shantiban High School, Kokpadar	Sinapali	Recognized
172	Radha Krushna High School, Gambhariguda	Sinapali	Recognized

(c) *Natural Resources*

One of the important natural resources of Nuapada District is Sunabeda Wildlife Sanctuary, which represents a nearly pristine eco-system of dry deciduous forest, river valleys, hills and waterfalls. The Sanctuary covers an area of 625.511 Sq. Km. and is of a typical importance because of its diverse faunal congregation including magnificent Royal Bengal Tiger, herd of herbivorous, Leopard, hill birds, migratory birds. The vast landscape of the Sanctuary contributes to Eco-

Tourism in the district.

Eco-tourism destination located inside Sunabeda Sanctuary

Ranimuhas Cave:

Ranimuhas cave is situated in the Gatibeda Forest Block 2 km away from Kholigaon. There is a series of caves besides overhangs and cliffs. Water passes through these caves throughout the year. The site is a sensitive place for wildlife. This is a sacred place of the Gond tribe. There is a trekking path of 2 km length from Kholigaon to Ranimuhas. On the way to Ranimuhas the villages coming are Chereichuan, Kholigaon. In these villages the major communities residing are Gonds & Bhunjias. The study of their culture, socio-economic condition and traditional life style is another major attraction of tourism.

Sunabeda-Beniadhus:

The sanctum sanctorum of the entire sanctuary offer unique exposure to wilderness, tribal culture and mysticism. The majestic water fall of 24Mtrs. height at Beniadhus, Chuktia Bhunjia is the only ethnic and traditional bound community found in Nuapada District. Their concentration is confined to Sunabeda plateau. The primitive tribes (Chuktia Bhunjias) are the tourism foci of Sunabeda areas.

Patora Reservoir:

Patora with its magnificent dam (an engineering marvel), serene water reservoir and vegetation clad hills has attracted maximum tourists in the entire district. The modern architecture of Jogeswar Temple and landscaping works of Rajeev Udyan (designed on the lines of famous Brindaban Gardens of Mysore) supplements the tourist inflow to the area. Conservative estimate put the total tourists figure visiting Patora at four lakhs per annum.

Goudhus Waterfall:

Goudhus boasts of a magnificent water fall of 30Mtrs. height surrounded by dry deciduous vegetation all around. A small temple of Lord Shiva in the lower side of the fall, Jalkisagar reservoir near adjoining Lodra village (habitat of numerous water fowls as well as terrestrial birds), watch tower, herbal nursery-cum-demonstration plot, vertical cliffs are major attractions of Goudhus area making it suitable for trekking and wilderness camping. An annual fare is arranged here on Baishakhi which attracts thousand of pilgrims. Interpretation Centre at Goudhus will be an additional attraction of the tourism.

Maraguda:

Maraguda, the major tourist attractions focus on Pakshi Vihar at Raital Bandh with watch tower, Boirbhadi Bandh, Patora Reservoir, Ruins of Maraguda civilizations and virgin forests of Lodra and Manikgarh blocks. The area can be visited through Kermeli Check Naka gate and alternatively from Patora through Water Route.

Water bodies

The major rivers traversing through Nuapada District are Jonk River, Indra River, Sundar River, Udanti River.

Availability of water resources

Apart from the above rivers the following irrigation projects are the main source of water for irrigation as well as domestic purpose as detail below: -

- Jonk Irrigation Project
- Saipala Irrigation Project
- Jadamunda Irrigation Project
- Lower Indra irrigation Project, Tikhali

Forest Coverage: -

Table 2: Category wise forest cover in Sunabeda Wildlife Division, Nuapada Division

Type	No. of Blocks	Area(in Hectares)
PRF	06	60,000

Table 3: Category wise forest cover in Khariar (T) Division

Type	No. of Blocks	Area(in Hectares)
RF	02	86.93
PRF	122	98374.9695
DPF	29	2433.016
VF	23	170.824
RL	-	34525.14
PL	-	5765.97
CA	-	1617.17
Total Forest Area	176	142974.0195
Un classed Forest	-	45.00
DLC Forest	-	-

(d) Geography & Demography

Geography

Out of 3,852 sq km Geographical area of Nuapada District 1,273 Sq km forest area is presently existing constituting 33.05% of the total Geographical area. The forest cover of the District comprises 86 sq km of very dense forest (VDF), 482 sq km moderate dense forest (MDF) & 705 sq km open forest (OF).

Demography

Description	2011	2001
Population	610,382	530,690
Male	301,962	264,396
Female	308,420	266,294
Population Growth	15.02%	13.04%

Description	2011	2001
Area sq. km	3,852	3,852
Density/km ²	158	138
Proportion to Odisha population	1.45%	1.44%
Sex Ratio (per 1000)	1021	1007
Child sex ratio (0-6 age)	981	969
Average literacy	57.35	42.00
Male literacy	70.29	58.46
Female literacy	44.76	25.79
Total Child population (0-6 age)	88,344	84,521
Male Population (0-6 age)	44,600	42,927
Female Population (0-6 age)	43,744	41,594
Literates	299,383	187,412
Male literates	180,903	129,461
Female literates	118,480	57,951
Child Proportion (0-6 age)	14.47%	15.93%
Boys Proportion (0-6 age)	14.77%	16.24%
Girls proportion (0-6 age)	14.18%	15.62%

(e) *Land-Use Pattern*

Total Geographical	3852 Sq Km
Area under Forest	1850 Sq Km
Net area sown	1890 sq Km
Cropped area	2750 Sq Km
Area irrigated	750.24 Sq Km
Percentage of net area irrigated to total area	37.82 %

(f) *Climate*

Nuapada one of the economically backward districts of western Orissa with a geographical area of 3852 sq. km is an integral part of Western Orissa Development Council constituted by Govt. of Orissa and very often reels under severe drought condition. About 93 percent of the population of the district lives in rural areas and agriculture is the main occupation of the people. The agriculture is mostly rain fed and due to lack of adequate irrigation facilities and recurring severe drought conditions in the district, the agricultural production is very often curtailed.

The average annual highest temperature in Nuapada is 41.1°C (106.0°F), and the May 24th is the hottest day on average. How cold does it get in Nuapada? The average annual lowest temperature in Nuapada is 13.2°C (55.8°F), and the December 26th is the coldest day on average. The south-west monsoon is the principal source of rainfall in the district. Average annual rainfall of the district is 1378.2 mm. About 75% of the total rainfall is received during the period from June-September. Droughts are quite common in the district. As the district falls in the rain shadow region the rainfall is very erratic. Analysis of 40 years of rainfall data from 1966 to 2006 reveals that the rainfall is uneven with maximum rainfall (1663mm) in 1990 and minimum (612mm) in 1974. The climate of the district is subtropical with hot and dry summer and pleasant winter. The summer season extends from March to middle of June followed by the rainy season from June to September. The winter season extends from November till the end of February. Humidity is high during middle of June and it's less in post-monsoon period. The potential evapo-transpiration values varies from 3.62 cm to 23.74 cm. Wind is generally light to moderate. During summer and southwest monsoon months wind velocity increases.

2.0 INDICATIVE GAP ANALYSIS & ACTION PLAN FOR COMPLYING WITH WASTE MANGEMENT RULES

(i) Solid Waste Management

a. Current status related to solid Waste management

	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated per day
1	Municipal corporations (Nagar Nigam or Mahanagar Palika)	NA	NA	NA	NA
2	Municipalities (Nagar Palikas)	NA	NA	NA	NA
3	Nagar Panchayats (Town area Councils)	NA	NA	NA	NA
A	N A C, Nuapada	14	3794	16208	4.96 TPD (As per quantification report)
B	N A C, Khariar Road	19	4299	18967	4.7 ton
C	N A C, Khariar	13	2151	15087	6 TPD (As per quantification report)

	Local Bodies	No of Village panchayats / Blocks	No of House holds	Population	Solid Waste Generated per day	Action Taken
2	Block /Taluk / Mandal Tehsils	NA	NA	NA	NA	NA
3	Village/Gram Panchayats	NA	NA	NA	NA	NA

b. Identification of gaps and Action plan:

S. No.	Action points For villages / blocks/ town municipalities / City Corporations	Identification of gap	Action Plan	Responsible Agencies	Timeline for completion of action plan
1.	Segregation				
NAC, Nuapada					
(i)	Segregation of waste at source	Already door to door collection is going on in daily basis.	Action plan to achieve segregation at source. Awareness programs, incentives, etc. may be Considered	M/S. L. K. Associates, Koraput	-
NAC, Khariar Road					

	Segregation of waste at source	Already door to door collection is	Action plan to achieve segregation at source. Awareness programs, incentives, etc. may be considered- Yes	NAC	-
NAC, Khariar					
	Segregation of waste at source	Already door to door collection is going on in daily basis.	Action plan to achieve segregation at source. Awareness programs, incentives, etc. may be considered	M/S Surendra Barik, Cuttack	-
2	Sweeping				
NAC, Nuapada					
(i)	Manual Sweeping	Everyday manual sweeping is done (Man power deployment)	Handy manual drive sweeping tools (vacuum type) & small motorized equipment for transportation to main collection points to reduce direct contact with wastes	M/S. L. K. Associates, Koraput	-
NAC, Khariar Road					
	Manual Sweeping	Everyday manual sweeping is done (Man power deployment)	Handy manual drive sweeping tools (vacuum type) & small motorized equipment for transportation to main collection points to reduce direct contact with wastes	NAC	-
NAC, Khariar					
	Manual Sweeping	Everyday manual sweeping is done (Man power deployment)	Handy manual drive sweeping tools (vacuum type) & small motorized equipment for transportation to main collection points to reduce	M/S Surendra Barik, Cuttack	-

			direct contact with wastes		
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S. No.	Action points For villages / blocks/ town municipalities / City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan
NAC, Nuapada					
(ii)	Mechanical Road Sweeping & Collection	Gaps if any in achieving targeted area or length of road identified for Mechanical Road Sweeping- No	Projected growth / intended action plan with timelines- No	NA	NA
NAC, Khariar Road					
	Mechanical Road Sweeping & Collection	Gaps if any in achieving targeted area or length of road identified for Mechanical Road Sweeping- No	Projected growth / intended action plan with timelines- No	Service Provider	NA
NAC, Khariar					
	Mechanical Road Sweeping & Collection	Gaps if any in achieving targeted area or length of road identified for Mechanical Road Sweeping	Projected growth / intended action plan with timelines	NA	NA
3 Waste Collection					
NAC, Nuapada					
(i)	100% collection of solid waste	Whether 100% collection Achieved- Yes	-	M/S. L. K. Associates, Koraput	-
NAC, Khariar Road					
	100% collection of solid waste	Whether 100% collection Achieved- Yes	-	Service Provider	-
NAC, Khariar					
	100% collection of solid waste	Whether 100% collection Achieved- Yeas	-	M/S Surendra Barik, Cuttack	-
NAC, Nuapada					
(ii)	Arrangement for door to door collection	All wards covered.	-	M/S. L. K. Associates, Koraput	-
NAC, Khariar Road					
	Arrangement for door-to-door collection	All wards covered.	-	Collected by the Service Provider	-
NAC, Khariar					
	Arrangement for door to door collection	All wards covered.	-	M/S Surendra Barik, Cuttack	-
NAC, Nuapada					

(iii)	Waste Collection trolleys with separate Compartments	Yes, Separate compartments are available.	-	M/S. L. K. Associates, Koraput	-
NAC, Khariar Road					
	Waste Collection trolleys with separate Compartments	Yes, Separate compartments are available.	-	NAC, Khariar Road	-
NAC, Khariar					
	Waste Collection trolleys with separate compartments	Yes, Separate compartments are available.	-	M/S Surendra Barik,Cuttack	-
NAC, Nuapada					
(iv)	Mini Collection Trucks with separate compartments	Yes, Separate compartments are available. We need more LCV/BOVs.	-	M/S. L. K. Associates, Koraput	-
NAC, Khariar Road					
	Mini Collection Trucks with separate compartments	Yes, Separate compartments are available. We need more LCV/BOVs.	-	NAC, Khariar Road	-
NAC, Khariar					
	Mini Collection Trucks with separate compartments	Yes, Separate compartments are available. We are going to procure more LCV/BOVs.	-	M/S Surendra Barik,Cuttack	-
NAC, Nuapada					
(v)	Waste Deposition centres (for domestic)	01 no of deposition center available at W.No-02, Godtor.	-	M/S. L. K. Associates, Koraput	-
NAC, Khariar Road					
	Waste Deposition centres (for domestic)	01 no of deposition center available at W.No-12, Chalmunda	-	NAC, Khariar Road	-
NAC, Khariar					
	Waste Deposition centres (for domestic)	01 no. of deposition centre available at ward no-11, Putupada.	-	M/S Surendra Barik,Cuttack	-

S. No.	Action points For villages / blocks/ town municipalities / City Corporations hazardous wastes)	Identification of gap Or any alternate arrangement	Action Plan implement adequate system	Responsible agencies	Timeline for completion of action plan
4.	Waste Transport				
NAC, Nuapada					
(i)	Review existing infrastructure for waste Transport.	01 no of MCC & 01 no of MRF available.	-	M/S. L. K. Associates, Koraput	-
NAC, Khariar Road					
	Review existing infrastructure for waste Transport.	01 no of MCC & 01 no of MRF available.	-	NAC, Khariar Road	-
NAC, Khariar					
	Review existing infrastructure for waste Transport.	01 no of MCC and 01 no of MRF available. Yes	-	M/S Surendra Barik, Cuttack	-
NAC, Nuapada					
(ii)	Bulk Waste Trucks	No Bulk waste Truck available	-	NA	NA
NAC, Khariar Road					
	Bulk Waste Trucks	No Bulk waste Truck available	-	NA	NA
NAC, Khariar					
	Bulk Waste Trucks	No Bulk waste Truck available	-	NA	NA
NAC, Nuapada					
(iii)	Waste Transfer points	No waste transport points exist	-	NA	NA
NAC, Khariar Road					
	Waste Transfer points	No waste transport points exist	-	NA	NA
NAC, Khariar					
	Waste Transfer points	No waste transport points exist	-	NA	NA
5	Waste Treatment and Disposal				
NAC, Nuapada					
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	05 no's of Bulk generator identified.	-	NAC, Nuapada	-
NAC, Khariar Road					

	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	02 no's of Bulk generator identified- Dry waste collected	-	NAC, Khariar Road	-
NAC, Khariar					
	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement as per Rules)	04 no. of Bulk generator identified.	-	NAC, Khariar	-
NAC, Nuapada					
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	No facilities for central Bio-meth nation for composting of wet waste	central Bio-meth nation composting of wets wastes facility needs to be installed population exceeds lakh	NA	NA
NAC, Khariar Road					
	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	NAC-MCC-3TPD	-	NAC	-
NAC, Khariar					
	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	No facilities for central Bio-meth nation for composting of wet waste	central Bio-meth nation composting of wets wastes facility needs to be installed population exceeds lakh	NA	NA
NAC, Nuapada					
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	01 no of MRF center is available and it is functional.	-	NAC	-
NAC, Khariar Road					

	Dry-Waste Management: Material Recovery for dry-waste fraction	01 no of MRF center is available and it is functional.	-	NAC-MRF 10 TPD	-
NAC, Khariar					
	Dry-Waste Management: Material Recovery for dry-waste fraction	01 no of MRF centre is available and it is functional	-	NAC	-

NAC, Nuapada

(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No proper sanitary land sites exist. Parts of SW still disposed of by open dumping	Atleast one properly designed sanitary land fill sites required.	-	12 month
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NAC, Khariar Road

	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No proper sanitary land sites exist. Parts of SW still disposed of by open dumping	Atleast one properly designed sanitary land fill sites required.	-	12 month
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NAC, Khariar

	Disposal of inert and non-recyclable wastes: Sanitary Landfill	No proper sanitary land sites exist. Parts of SW still disposed of by open dumping	Atleast one properly designed sanitary land fill sites required.	-	12 month
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NAC, Nuapada

(v)	Remediation of historic / legacy dumpsite	It would be nice if we could clean our dump yard with Bio-Mining. 01 no of old dumpsite available.	Already estimate prepared and submitted	NAC	12 month
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NAC, Khariar Road

	Remediation of historic / legacy dumpsite	01 no of old dumpsite available.	Already estimate prepared and submitted	NAC	12 month
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NAC, Khariar

	Remediation of historic / legacy dumpsite	01 no. of old dumpsite available.	Already estimate prepared and submitted	NAC	12 month
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NAC, Nuapada

(vi)	Involvement of NGOs	Involvement of NGOs yet to be envisaged	Listing of NGO and fund allocation required for management of solid waste campaign	NAC	6 month
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NAC, Khariar Road					
	Involvement of NGOs	Involvement of NGOs yet to be envisaged	Listing of NGO and fund allocation required for management of solid waste campaign	NAC	6 month
NAC, Khariar					
	Involvement of NGOs	Involvement of NGOs yet to be envisaged	Listing of NGO and fund allocation required for management of solid waste campaign	NAC	6 month
NAC, Nuapada					
(vii)	EPR of Producers: Linkage with Producers / Brand Owners	<ul style="list-style-type: none"> • Identification yet to be done • Lack of legal provisions for fixing responsibility 	Listing of producers / brand owner of packaging waste Setting up of collection centers packaging waste producers / brand owners	NAC	6 month
NAC, Khariar Road					
	EPR of Producers: Linkage with Producers / Brand Owners	<ul style="list-style-type: none"> • Identification yet to be done • Lack of legal provisions for fixing responsibility 	Listing of producers / brand owner of packaging waste Setting up of collection centers packaging waste producers / brand owners	NAC	6 month
NAC, Khariar					
	EPR of Producers: Linkage with Producers / Brand Owners	<ul style="list-style-type: none"> • Identification yet to be done • Lack of legal provisions for fixing responsibility 	Listing of producers / brand owner of packaging waste Setting up of collection centers packaging waste producers / brand owners	NAC	6 month
NAC, Nuapada					
(viii)	Authorization of Waste Pickers	Yes	10 Nos of Waste pickers - Available	NAC	-
NAC, Khariar Road					
	Authorization of Waste Pickers	Yes	11 Nos of Waste pickers - Available	NAC	-
NAC, Khariar					
	Authorization of Waste Pickers	Yes	10 Nos of Waste pickers - Available	NAC	-
NAC, Nuapada					
(ix)	Preparation of own by-laws to comply with	Yes	Prepared	NAC	-

	SWM Rules 2016				
NAC, Khariar Road					
	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Prepared	NAC	-
NAC, Khariar					
	Preparation of own by-laws to comply with SWM Rules 2016	Yes	Prepared	NAC	-

(ii) Plastic waste Management

a. Current status related to Plastic waste management

	Urban Local bodies	Estimated quantity of Plastic Waste Generated per day (Ton per day)
1	Municipal corporations (Nagar Nigam or Mahanagar Palika)	Nil
2	Municipalities (Nagar Palikas)	Nil
3	Nagar panchayats (Town area Councils)	
	NAC, Nuapada	Nearly 0.9 TPD
	NAC, Khariar Road	Nearly 0.1 TPD
	NAC, Khariar	Nearly 0.8 TPD

	Local Bodies	Plastic Waste Generated per day
1	Block /Taluk / Mandal Tehsils	NA
2	Village/Gram Panchayats	NA

b. Identification of gaps and Action plan:

S.No.	Action points For village panchayats/ blocks/ municipalities / corporations	Identification of gap	Action plan	Agencies Responsible	Target time for Compliance
NAC, Nuapada					
1.	Door to Door collection of dry waste including PW	100% D2D collection is going on everyday by help of Swachh Sathi with LCV & BOV	-	M/S. L. K. Associates, Koraput	-
NAC, Khariar Road					
	Door to Door collection of dry waste including PW		-	NAC, Khariar Road	-
NAC, Khariar					

	Door to Door collection of dry waste including PW	100% D2D collection is going on everyday by help of Swachh Sathi with LCV & BOV	-	M/S Surendra Barik,Cuttack	-
NAC, Nuapada					
2.	Facilitate organized collection of PW at Waste transfer point	01 no of MRF center is available at NAC, Nuapada.	-	NAC	-
NAC, Khariar Road					
	Facilitate organized collection of PW at Waste transfer point or Material	01 no of MRF center is available at NAC, Khariar Road.	-	NAC	-
NAC, Khariar					
	Facilitate organized collection of PW at Waste transfer point or Material	01 no of MRF center is available at NAC, Khariar	-	NAC	-

NAC, Nuapada					
3.	PW collection Centers	Yes	01 no of MRF center available at NAC, Nuapada.	NAC	-
NAC, Khariar Road					
	PW collection Centers	Yes	01 no of MRF center available at NAC, Khariar Road.	NAC	-
NAC, Khariar					
	PW collection Centers	Yes	01 no of MRF center available at NAC, Khariar	NAC	-
NAC, Nuapada					
4.	Awareness and education programs implementation	Yes	According to the State Govt. for people's awareness we do mike announcement, wall paintings etc.	NAC	-
NAC, Khariar Road					

	Awareness and education programs implementation	Yes	According to the State Govt. for people's awareness we do mike announcement, wall paintings etc.	NAC	-
NAC, Khariar					
	Awareness and education programs implementation	Yes	According to the State Govt. for people's awareness we do mike announcement, wall paintings etc.	NAC	-
NAC, Nuapada					
5.	Access to PlasticWaste Disposal Facilities	Yes	NAC Nuapada collect PW from D2D and ship to the Cement factory for disposal and other PW sold to Kawadiwalas..	NAC	-
NAC, Khariar Road					
	Access to PlasticWaste Disposal Facilities	Yes	NAC Khariar Road collect PW from D2D and ship to the Cement factory for disposal and other PW sold to Kawadiwalas.	NAC	-
NAC, Khariar					
	Access to PlasticWaste Disposal Facilities	Check if District has access to PW recycling / utilization or disposal facilities.	NAC Khariar collects PW from D2D and ship to the Cement factory for disposal and other PW sold to Kawadiwalas PW	NAC	-

(ii) C & D Waste Management

a. Current status related to C & D Waste

Details of Data Requirement	Present Status
NAC, Nuapada	
Total C & D waste generation in MT per day (As per data from Municipal Corporations / Municipalities)	Nearly 0.02 TPD
NAC, Khariar Road	
Total C & D waste generation in MT per day (As per data from Municipal Corporations / Municipalities)	0.13 MT

NAC, Khariar	
Total C & D waste generation in MT per day (As per data from Municipal Corporations / Municipalities)	Nearly 0.06 TPD
NAC, Nuapada	
Does the District have access to C&D waste recycling facility?	Yes
NAC, Khariar Road	
Does the District have access to C&D waste recycling facility?	No
NAC, Khariar	
Does the District have access to C&D waste recycling facility?	Yes

b. Identification of gaps and Action plan:

S. No.	Action points for blocks / town municipalities /City corporations	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
NAC, Nuapada					
1.	Arrangement for separate collection of C&D waste to C&D waste deposition point.	Yes	Already collected from wards.	M/S. L. K. Associates, Koraput	-
NAC, Khariar Road					
	Arrangement for separate collection of C&D waste to C&D waste deposition point.	No	Planning for establish C&D plant	NAC	12 Month
NAC, Khariar					
	Arrangement for separate collection of C&D waste to C&D waste deposition point.	Yes	Already collected from wards.	M/S Surendra Barik, Cuttack	-

S. No.	Action points for blocks / town municipalities / City corporations	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
NAC, Nuapada					
2.	Whether local authority have fixed user fee on C&D waste and Introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in a Month?	Yes	Yes, ULB has notified about C&D waste and also mentioned about user fee & fine.	M/S. L.K. Associates, Koraput	-
NAC, Khariar Road					
	Whether local authority have fixed user fee on C&D waste and Introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month?	Yes	Yes, ULB has notified about C&D waste and also mentioned about user fee & fine.	NAC, Khariar Road	-
NAC, Khariar					
	Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month?	Yes	Yes, ULB has notified about C&D waste and also mentioned about user fee & fine.	M/S Surendra Barik, Cuttack	-
NAC, Nuapada					
3.	C&D recycling Facility	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	NAC	3month
NAC, Khariar Road					
	C&D recycling Facility	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	NAC	3month

NAC, Khariar					
	C&D recycling Facility	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	NAC	3month
NAC, Nuapada					
4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	NAC	3 Month
NAC, Khariar Road					
	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	NAC	3 Month
NAC, Khariar					
	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	NAC	3 Month
NAC, Nuapada					
5.	ICE on C & D waste management	yes	For people's awareness we do mike announcement , wall paintings etc.	NAC	-
NAC, Khariar Road					
	ICE on C & D waste management	yes	For people's awareness we do mike announcement , wall paintings etc.	NAC	-
NAC, Khariar					
	ICE on C & D waste management	yes	For people's awareness we do mike announcement , wall paintings etc.	NAC	-

(iii) Biomedical Waste Management

a. Current Status related to biomedical waste

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	07
Total no. of non-bedded HCF	17
No. of HCFs authorized by SPCBs/PCCs	20 (another 4 have pending at SPCB)
No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	Nil
Capacity of CBWTFs	NA
No. of Deep burials for BMW if any	159
Quantity of biomedical waste generated per day	60 kg (Average)
Quantity of biomedical waste treated per day	60 kg (Average)

b. Identification of gaps and Action plan:

S. No.	Action points	Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1	Inventory and Identification of Healthcare Facilities	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	All MO I/C	3 Month
2.	Adequacy of facilities to treat biomedical waste	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	All MO I/C	3 Month
3.	Tracking of BMW	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	Shine Laundry PVT Ltd. Services, Bhubaneswar	3 Month
4	Awareness and education of healthcare staff	Identification yet to be done Lack of legal provisions for fixing responsibility	Training to all staff related to BMWM	MO I/C at block level	3 Month
5.	Adequacy of funds	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	DPHO	3 Month
6.	Compliance to Rules by HCFs and CBWTFs	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	DPHO	3 Month

7.	District Level Monitoring Committee	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	DPHO	3 Month
8.	Wastewater Treatment	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	DMO (MS)-cum-Superintendent, DHH, Superintendent, SDH	3 Month

(iv) Hazardous Waste Management

a. Current Status related to Hazardous Waste Management

Details of Data Requirement	Present Status
No of Industries generating HW	-
Quantity of HW in the district	-
(i) Quantity of Incinerable HW	-
(ii) Quantity of land-fillable HW	-
(iii) Quantity of Recyclable / utilizable HW	-
No of captive/common TSDF	-
Contaminated Sites or probable contaminated sites	-

b. Identification of gaps and action plan:

S. No.	Action points	Identification of Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1.	Regulation of industries and facilities generating Hazardous Waste	Not applicable as there is no generation of hazardous waste	-	SPCB	-
2.	Establishment of collection centers	Not applicable as there is no generation of hazardous waste	-	-	-
3.	Training of workers involved in handling / recycling / disposal of HW	Not applicable as there is no generation of hazardous waste	-	-	-
4.	Availability / Linkage with common TSDF or disposal facility	No TSDF are there in Nuapada district	-	-	-
5.	Contaminated Sites	No contaminated sites are there in Nuapada district	-	-	-

(v) E-Waste Management

a. Current Status related to E-Waste Management

Details of Data Requirement	Present Status
Inventory of E-Waste in MT/year	Nearly 0.396 MT/Year
Collection centers established by ULBs in the District	01 No of collection center at wealth center.
Collection centers established by Producers or their PROs	ULB
No authorized E-Waste recyclers / Dismantler	NA

b. Identification of gaps and action plan:

S. No.	Action points	Gaps in implementation	Action Plan	Responsible agency	Timeline for completion of action plan
1	Inventory / Generation of E-Waste / Bulk-wastegenerators	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	SPCB/PCC	3 Month
2	E-Waste collection points	Not applicable as there is no generation of E-waste	-	-	-
3	Linkage among Stakeholders to channelize E-Waste	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	NAC	3 Month
4	Regulation of Illegal E- Waste recycling / dismantling	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	NAC	3 Month
5	Integration of informal sector	Identification yet to be done Lack of legal provisions for fixing responsibility	Listing of producers / Brand owners of packaging wastes	NAC	3 Month
6	Awareness and Education	Yes	For people's awareness we do mike announcement, etc.	-	-

3.0- AIR QUALITY MANAGEMENT

a. Current Status related to Air Quality Management

Details of Data Requirement	Present Status
Number of Automatic Air Quality monitoring stations in the district. - Operated by SPCB / State Govt. / Centralgovt./ PSU agency :Nil - Operated by Industry: Nil	NIL
Number of manual monitoring States operated by SPCBs	One
Name of towns / cities which are failing to comply with national ambient air quality stations	AAQ conducted in Nuapada town every month at roof of NAC office since May 2020 by SPCB. The PM 10 exceeding the prescribed limit on monitoring conducted in month of January 2021.
No of air pollution industries	71 Nos.
Prominent air polluting sources [Large Industry] / [Small Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln] / [Industrial Estate] / [Others] (Multiple selection)	Stone Crusher-31 nos., Parboiled Rice Mill- 17 nos., Country Liquor- 20 Nos., Hot Mix-01, Ready Mix- 01, Oil Extraction- 01 and Graphite Beneficiation- 01 no.

b. Identification of gaps and action plan:

S. No.	Action points	Indicative Action Plan	Responsible agency	Timeline for completion of action plan
1.	Identification of prominent air polluting sources?	Regular inspection and monitoring of AR polluting mines Regular and continuous monitoring AAQ w.r.t PM ₁₀ , PM _{2.5} , SO ₂ amonia etc. in mines	SPCB	Continuing
2.	Ambient Air quality data?	Creation of public awareness to get access to SPCB and CPCB server for online real time data Installation of DDBT square for local AAQ.	SPCB, District Administration Nuapada	Continuing
3.	Setting up of Continuous Ambient Air Quality Monitoring Station	AAQ conducted in Nuapada town every month at roof of NAC office since May 2020 conducted by SPCB.	SPCB	Continuing
4.	District Level Action Plan for Air Pollution	Regular inspection and monitoring of AR polluting mines	SPCB	Continuing
		Regular and continuous monitoring AAQ w.r.t PM ₁₀ , PM _{2.5} , SO ₂ amonia etc. in mines .	SPCB	Continuing
		Use of atleast 25% energy from renewable sources (Green Energy) in all Nuapada Govt.	District Administration, Nuapada	06 Month

		offices, commercial establishments.		
		Sifting from patrol/Diesel vehicles to electric operator vehicle (at least 50%) in Govt, Private Sectors & individual level.	District Administration, Nuapada RTO, Nuapada	06 Month
		Promotion of E-vehicles, CNG taxis, Dist. Improvements of comfortable public Nuapada district transport system.	District Administration, Nuapada RTO, Nuapada	Continuing
		Identification, development & protection of atleast 35% thick forest area/ plantation zone in Nuapada district.	District Administration, Nuapada Divisional Forest Officer, Nuapada & Khariar	12 month
		Ensure dust control in project construction sites .	EE, PWD Deptt, Nuapada Contractors of the Project	Continuing
		Strict enforcement of restriction on open burning of garbage, plastic wastes, forest fire. Waste stubbles & imposition of heavy penalty (environmental compensation).	District Administration, Nuapada D.F.O, Nuapada, SPCB Agriculture Deptt. Nuapada	03 month
		All roads to be maintain dust free	NAC, Nuapada, Khariar & Khariar Road	03 month
5.	Hotspots of air pollution in District	Close watch on stubble burning , illegal waste burning, un-authorized operations, cluster activities, forest fires etc.	Dist. Administration, Nuapada D.F.O, Nuapada & Khariar SPCB, NAC	Continuing
		Strict enforcement of restriction on open burning of garbage, plastic wastes, forest fire. Waste stubbles & imposition of heavy penalty(environmental compensation)	Dist. Administration, Nuapada D.F.O, Nuapada & Khariar SPCB, NAC	01 Month
6.	Awareness on Air Quality	Installation of Digital Display Board Traffic Squares for display of local AAQ	Dist. Administration, Nuapada SPCB, NAC	06 Month
		Receive of public complaint through e-mail	SPCB	Continuing

4.0 WATER QUALITY MANAGEMENT

4.1 Water Quality Monitoring

a. Current Status related to Water Quality Management

Details of Data Requirement	Present Status
Rivers	Jonk-0 to 14.5 Km Sundar- 0 to 34.5 Km
Length of Coastline (if any)	[in Km]
Nalas/ Drains/Creeks meeting Rivers	06 Nos
Lakes / Ponds	03 Nos and 3.81 Ha. Water Harvesting Structure- 2870 Nos Check Dam- 09 nos Farm Pond- 595 Nos.
Total Quantity of sewage from towns and cities in District	[MLD]
Quantity of industrial wastewater	0.95 MLD
Percentage of untreated sewage	0%
Details of bore wells and number of permissions given for extraction of groundwater	26 Nos 10322 Nos. of Bore Wells and sanitary well has been sunk and fitted with hand pumps all over the district by this division for drinking water utility of Rural habitations.
Groundwater polluted areas if any	902 Nos. out of 2407 No. of habitations all over the district have been found fluoride contents in ground water beyond permissible limit of 1.5 mg/ltr.
Polluted river stretches if any	[Length in Km]

b. Identification of gaps and action plan for water quality monitoring:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Inventory of water bodies	Detail inventory of each category of water bodies yet to be done	Water Resource Department, Nuapada SPCB	Continuing
		Formation of District Level environmental Monitoring Cell	Dist. Administration, Nuapada	Continuing
		Regular monitoring of water quality of water bodies	SPCB	1 Month
2.	Quality of water bodies in the district	Periodic check of water quality of major water bodies and ground water based on their specific use	SPCB	3 Month
3.	Hotspots of water contamination	Identification of pollution prone water bodies and ground water	Water Resource Department, Nuapada SPCB	06 Month
		Monitoring of water quality on regular interval	SPCB	06 Month

		Restriction of use of chemical fertilizers, pesticides, herbicides etc. in Agriculture & Horticulture and switch over to Bio-fertilizer, Bio-pesticides etc.	Dist. Administration, Nuapada D.F.O, Nuapada & Khariar Agriculture Deptt., Nuapada Horticulture Deptt., Nuapada Soil conservation Deptt., Nuapada	06 Month
		Preparation of remedial measures	Water Resource Deptt., Nuapada SPCB	-
4.	Protection of river / lakewater front	Identification of areas of open defecation.	NAC	06 Month
		Campaign against open defecation and provision of community toilets where ever required	NGO NAC	06 Month
		Construction & maintenance of idol immersion ponds at strategic locations near water bodies	Dist, Administration NAC	03 Month
		Free from encroachment of water bodies	Dist, Administration Water Resource Deptt. NAC	06 Month
		Strict enforcement of solid waste management rules, shifting and reclamation of legacy dumping sites from river bank, lakes, imposition of heavy penalty for any dumping of SW in water bodies (Environmental Compensation)	Dist, Administration SPCB NAC	06 Month
		Preparation of self sustainable river/lake front development plan (bathing ghats, Joggers park, restaurants provisions, water sports, lighting along river banks, aqua cultures to support livelihoods of locals etc.)	Dist, Administration Water Resource Department	06 Month
5.	Inventory of sources of water pollution	Identification of drains, sewer lines out falls in water bodies	Water Resource Department SPCB, GPs	06 Month
		Identification of solid waste disposal area in and around water bodies	SPCB GPS	06 Month
		Identification and quantitative assessment of areas and type of chemical fertilizers, pesticides and herbicide being used in the District	Agriculture Deptt. Horticulture Deptt. Nuapada	02 Month
		Preparation of remedial measures	Administration Deptt. SPCB	06 Month

			Reputed Institution Agency	
6.	Oil spill disaster management (for coastal districts)	Not applicable	Not applicable	Not applicable
7.	Protection of flood plains	Regulation for protection of flood plain	Dist. Administration, Nuapada Water Resource Deptt. & GP authority	06 Month
		Identification of encroachment areas and initiation to prevent encroachment	Dist. Administration, Nuapada Water Resource Deptt. & GP authority	06 Month
8.	Rejuvenation of groundwater	R.W.S & S Division does not measure availability of ground water . However as per Govt. instruction 137 nos of permanently defunct TW has been converted to ground water recharge structure	RWS & S Division	Continuing
9.	Complaints Redressal system	Availability of public complaints Redressal system i.e e-mail, public complain box, Jana Sunani Portal etc.	Dist. Administration, Nuapada SPCB	Continuing
		Development of APP	Dist. Administration, Nuapada	06 Month

4.2- Domestic Sewage

a. Current status related to treatment of domestic sewage

Details of Data Requirement	Present Status
No of Class-II towns and above	Nil
No of Class-I towns and above	Nil
No of Towns STPs installed	Nil
No of Towns needing STPs	Nil
No of ULBs having partial underground sewerage network	Nil
No of towns not having sewerage network	Nil
Total Quantity of Sewage generated in District from Class II cities and above	Nil
Quantity of treated sewage flowing into Rivers (directly or indirectly)	Nil
Quantity of untreated or partially treated sewage (directly or indirectly)	Nil
Quantity of sewage flowing into lakes	Nil
Total available Treatment Capacity	Nil

b. Identification of gaps and action plan for treatment of domestic sewage:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Sewage Treatment Plants (STPs)	No STP available in the district	-	-
		Individual STPs for apartments, Hospitals (More than 30 beds), Institutions etc.	Dist. Administration, Nuapada SPCB Authority of GPs & Development Agency	06 Month
2.	Underground sewerage network	No Underground sewerage network in the district	-	-

5.0- INDUSTRIAL WASTE WATER MANAGEMENT

a. Current Status related to Industrial Wastewater Management

Number of Red, Orange, Green and White industries in the District	[01 Nos of Red industries], [71 Nos of Orange industries], [01 No of Green industries], [0 No of White industries]
No of Industries discharging wastewater	37 Nos
Total Quantity of industrial wastewater generated	0.95 MLD
Quantity of treated industrial wastewater discharged into Nalas / Rivers	0 MLD
Common Effluent Treatment Facilities	37 Nos
No of Industries meeting Standards	37 Nos
No of Industries not meeting discharge Standards	0 No.

b. Identification of gaps and action plan for industrial wastewater:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Compliance to discharge norms by Industries	Inspection & monitoring of discharge effluent quality on regular basis	SPCB	Continuing
2.	Complaint Redressal system	Availability of public complaints Redressal system i.e e-mail, Public complaints Box, Jana Sunani Portal Etc.	Dist. Administration, Nuapada SPCB	Continuing
		Development of APP	Dist. Administration, Nuapada SPCB	06 Month

6.0- MINING ACTIVITY MANGEMENT PLAN

a. Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	Details of Mining of Nuapada District is furnished below:
No of licenced Mining operations in the District	36
% Area covered under mining in the District	0.09%
Area of Sand Mining	2.0198 Sq Km
Area of sand Mining	River bed

SI No	Name of Tahasil	Name of the Source	Type of Mining Activities	Area in Ha
01	Nuapada	Beheradihi sand quarry	Sand	5.06
		Kolda Sand quarry	Sand	5.261
		Haldi Sand quarry	Sand	5.666
		Mandirpada Sand quarry	Sand	5.1
		Dumerdihi Sand quarry	Sand	5.078
		Padampuri Stone quarry No.4	Stone	4.856
		Saliha Stone quarry No.4	Stone	2.15
		Saliha Stone quarry No.5	Stone	2.25
		Bhaleswar Sand quarry	Sand	5.06
		Chingarasara Sand quarry	Sand	5.000
		Parsabhadar Sand quarry	Sand	5.000
		Kurumunda Sand quarry	Sand	5.000
		Haldi Sand quarry No. 2	Sand	5.000
		Haldi Sand quarry No. 3	Sand	5.000
		Sarabang Sand quarry	Sand	5.000
		Saliha Stone quarry No. 1	Stone	0.800
		Saliha Stone quarry No. 3	Stone	0.858
		Saliha Stone quarry No. 6	Stone	0.663
Saliha Stone quarry No. 7	Stone	0.663		
Saliha Stone quarry No. 8	Stone	0.643		
1	Nuapada	Saliha Stone quarry No. 9	Stone	1.004
		Hanspuri Stone quarry No. 6	Stone	1.214
		Hanspuri Stone quarry No. 7	Stone	1.214
		Padampuri Stone quarry No. 2	Stone	2.024
		Padampuri Stone quarry No. 3	Stone	1.214
		Padampuri Stone quarry No. 5	Stone	3.097
		Padampuri Stone quarry No. 6	Stone	1.214
		Padampuri Stone quarry No. 7	Stone	2.024
		Bairbhadi Stone quarry	Stone	0.931
2	Komna	Tengabasa-II Sand quarry	Sand	13.24
		Balipati Stone quarry-I	Stone	4.046
		Balipati Stone quarry-IV	Stone	2.02
		Balipati Stone quarry-V	Stone	1.69
		Bangamunda Stone quarry	Stone	4.046
		Gandamer Stone quarry-II	Stone	4.04
		Lakhna Stone quarry-III	Stone	2.104
		Lakhna Stone quarry-I	Stone	2.359

	Muralibahal Stone quarry	Stone	2.63
	Balipati Stone quarry-II	Stone	0.809
	Babeghati Stone quarry-III	Stone	1.87
	Lakhna Stone quarry-II	Stone	2.913
	Lakhna Stone quarry-IV	Stone	3.27
	Lakhna Stone quarry-V	Stone	2.02
	Lakhna Stone quarry-VI	Stone	0.4046
	Liad Sand quarry	Sand	4.856
	Sagunbhadi Sand quarry	Sand	4.653
	Ghatmal Sand quarry	Sand	3.278
	Nilji Sand quarry	Sand	4.815
	Kapia Sand quarry	Sand	4.856
	Chalana Sand quarry	Sand	4.856
Total	101 Nos.		342.1976 Ha

b. Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Monitoring of Mining activity	The District level task force/ flying squads are regularly reviewing and monitoring of Mining activities including illegal mining.	In pursuance of Notification No. 2832/Sm dt. 11.05.2010 of Department of Steel & Mines a District Level Task Force/ Flying Squad has been constituted comprising with the following members. 1. Collector & District Magistrate, Nuapada 2. Superintendent of Police, Nuapada 3. Officer In-charge Mining Section, Collectorate, Nuapada 4. Mining Officer, Kalahandi 5. Divisional Forest Officer, (T), Khariar 6. Regional Officer, Sambalpur State Pollution Control Board 7. Regional Transport Officer, Nuapada 8. Asst. Commercial -1 Manager, Railway, Division Sambalpur for reviewing and monitoring of Mining Activities including illegal mining.	Continuing
2.	Inventory of illegal mining if any mining	The Squad team and field functionaries are reviewed inspecting the quarry side fortnightly and conduct enforcement to curb the illegal extraction lifting and transportation of Sairat source in their	As per direction of Revenue & Disaster management Department Management Department a sub-Divisional level squad is constituted comprising with the following members 1. Sub-	Continuing

		respective jurisdiction.	collector, Nuapada 2. All IIC's 3. All Tahasildars 4. All Range officer (Territorial) of Nuapada District as well as Tahasil level squads and all field functionaries are conduct enforcement to check the illegal extraction lifting and transportation of Sairat sources	
3.	Environment compliance by Mining industry	The Tahasildars visit the mining area and verify environmental conditions stipulated by SPCBs/PCC MoEF&CC Department of Mines.	All Tahasildars of Nuapada District	Continuing

7.0- NOISE POLLUTION MANAGEMENT PLAN

a. Current Status related to Noise Pollution Management

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies indistrict	Name of agency - Nuapada PS-01 Komna PS- 01 Khariar PS- 01 Sinapali PS- 01 of Nuapada District. [No of analyzers available-04] (Unserviceable condition)

b. Identification of gaps and action plan:

S. No.	Action points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1.	Availability of Sound/Noise Level Meters.	04 Nos sound/noise level metre available in the District in Unserviceable condition & said was issued to Nuapada PS, Komna PS, Khariar PS, Sinapali PS	Dist. Administration, Nuapada SPCB, Police Department	Continuing
2.	Ambient Noise Level monitoring.	After installation of Ambient noise level monitoring station necessary police assistance will be provide to the station to ensure against noise pollution	Dist. Administration, Nuapada Police Department	Continuing
3.	Signboards in Noise zones	Adequate sign boards available at the no sound zone in the Nuapada, Jonk, Khariar ULBs & Komna Block areas of Nuapada District.	Dist. Administration, Nuapada Police Department	Continuing
4.	Complaint redressing system	All ISIC of Nuapada District have been instructed to give special attention to the public complaint regarding noise pollution.	Dist. Administration, Nuapada Police Department	Continuing

8.0- WETLAND MANAGEMENT PLAN

a. Current Status related to wetland Management Plan

Details of Data Requirement	Measureable Outcome
No. of Wetland and its extent	No: 419; Area: 4,645.192

Sr. No.	Wetland Category	No. of wetlands	Total wetland area (in Ha)
1	Reservoirs	36	3,202.321
2	Tanks/Ponds	383	1,442.871
	Total	419	4,645.192

b. Identification of gaps and action plan:

SI No.	Action Points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
1	Sewerage discharge	In adequate knowledge on water & aquatic land pollution	GPs	06 Month
	Disposal of Solid & Other Waste	Un scientific disposal of solid waste into wet land. Load based assessment of solid waste and other waste, identification of additional land-fill sites and promotion of SLF	GPs	12 Month
	Water quality testing	Any such initiative of monitoring of water quality of wet land is not yet been taken up by OSPCB. Sampling in every quarter for testing and provision for mobile lab for on-site testing, Empanelment of private testing labs	SPCB	Half yearly
	Preventing siltation	Almost all wetland silted up over the years and water bearing capacity got reduced. De-siltation of the water bodies. Impose penalty clause on disposal of waste into wetland	Water Resource Department	Occasional
	Demarcation of flood protection zone	Any such demarcation is yet not been done. Special initiative/study require for such	Water Resource Department	01 time

		demarcation		
	Removal of Encroachment	Massive encroachment found special in urban area. Revenue authorities along with DoWR and officials will make inspection of drainage area for removal of encroachment.	District Administration (Revenue Authorities)	01 Year

Member Convenor-Cum-DFO,
Sunabeda Wildlife Division, Nuapada

Chairman-Cum-Collector & DM
Nuapada