WILDLIFE MANAGEMENT & MITIGATION PLAN
FOR
TUMKUR BRANCH CANAL, UPPER BHADRA PROJECT




KARNATAKA FOREST DEPARTMENT
GOVERNMENT OF KARNATAKA

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AUGUST 2019

ABBREVIATIONS

BPL	Below Poverty Line
CA	Compensatory Afforestation
CH	Chainage
ESZ	Eco-Sensitive Zone
GoI	Government of India
GoK	Government of Karnataka
KSNDMC	Karnataka State Natural Disaster Monitoring Centre
MoEF&CC	Ministry of Environment, Forest & Climate Change
NBWL	National Board for Wildlife
RF	Reserve Forest
SBWL	State Board for Wildlife
TBC	Tumkur Branch Canal
WLS	Wild Life Sanctuary

TABLE OF CONTENTS

TABLE OF FIGURES

LIST OF TABLES

ANNEXURES

Annexure-I	Command area map of Upper Bhadra Project & Administrative approval accorded for the project
Annexure-II	Map showing alternative analysis of the proposed alignment of TBC in Bukkapatna Chinkara WLS
Annexure-III	SoI Toposheet showing the alignment of TBC in Bukkapatna Chinkara WLS and mitigation measures
Annexure-IV	Geo-referenced village maps showing the alignment of TBC in Bukkapatna Chinkara WLS
Annexure-V	Village maps showing TBC and mitigation measures
Annexure-VI	Compensatory Afforestation land suitability certificate, RTC mutation copy, SoI toposheet and village map showing CA land.

INTRODUCTION 1

1.1 Preamble

Upper Bhadra lift irrigation Scheme envisages lifting of 17.40 TMC of water in first stage from Tunga River to existing Bhadra reservoir and lifting of 29.90 TMC of water in second stage from Bhadra reservoir to Tunnel near Ajjampura in Tungabhadra sub-basin of Krishna basin. After Tunnel, through Chitradurga Branch Canal and Tumkur Branch Canal, it is planned to irrigate an extent of 2,25,515 ha by drip irrigation in districts of Chikmagalur, Chitradurga, Tumkur and Davangere. Out of 29.90 TMC of water, 19.04 TMC of water is earmarked for irrigation and remaining 10.86 TMC is allocated for filling of MI tanks. Ministry of Environment, Forests and Climate Change (MoEF&CC), Govt. of India accorded Environmental Clearance for the proposed project vide letter nos. J-12011/7/2009-IA.I dated 05.01.2010 and J-12011/7/2009-IA.I (Vol-II) dated 10.07.2017. The map showing the command area of the project is enclosed as Annexure-I.

Earlier, the proposed project involves diversion of 318.62 Ha of forest land for the construction of main canal from Tunga River to Bhadra Reservoir (96.95 Ha) for which the process for obtaining Stage-II Forest Clearance is under process; Bhadra Reservoir to Ajjampura tunnel (110.10 Ha) and Chitradurga Branch Canal (111.57 Ha) for which Stage II Forest Clearance has been obtained from MoEF&CC, GoI. However, in case of Chitradurga Branch Canal, the Forest Land requirement has been reduced to 91.89 Ha and the same has been communicated to Forest Department for onward submission to MoEF&CC.

The project components of Package-I of Upper Bhadra Project were proposed at a distance of 1 Km from the Bhadra Tiger Reserve and it falls within the ESZ of Bhadra Wildlife Sanctuary. In view of this, recommendation from NBWL was obtained vide Ltr. No. F. No. 6-119/2107 WL; dt: 21.07.2017.

Further, an additional forest land of 60.10 Ha belonging to Udugere RF (9.28 ha) in Kadur Taluk, Chikkamagalur District and Bukkapatna RF (50.82 Ha) of Sira Taluk, Tumkur District is required for construction of Tumkur Branch Canal. Of which the proposed forest land to be diverted within Bukkapatna RF i.e., 50.82 Ha falls within the "Bukkapatna Chinkara Wildlife Sanctuary". Hence, the proposal requires recommendation of NBWL through SBWL. The map showing the alignment of TBC in Bukkapatna Chinkara WLS is as given below;

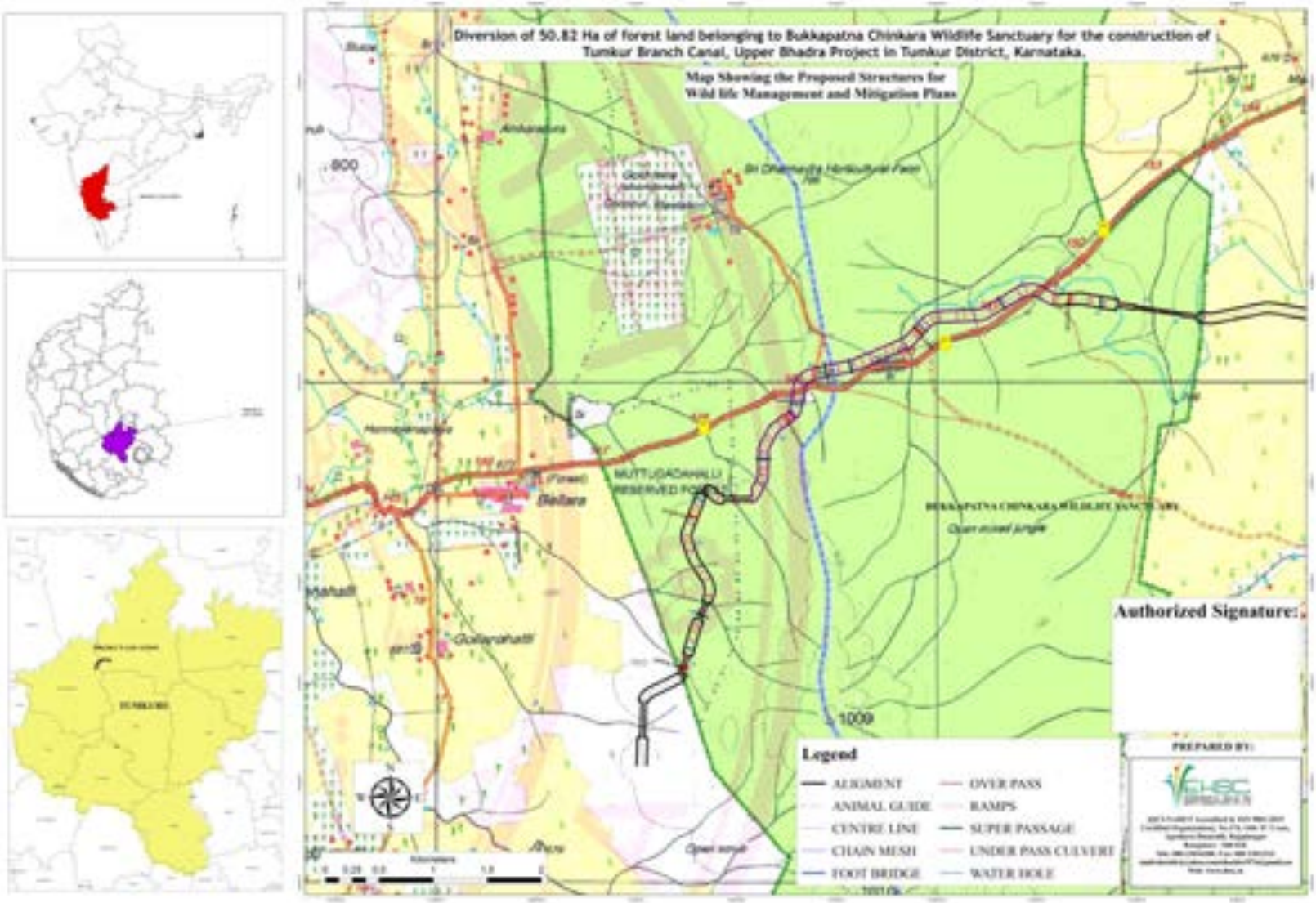

Figure 1 Map showing the location and alignment of Tumkur Branch Canal in Bukkapatna Chinkara WLS.

1.2 Need for the Project

Challakere, Hiriyur, Holalkere, Molakalmuru and Hosadurga Taluks in Chitradurga district, Jagalur Taluk in Davanagere district and Chicknayakanahalli, Pavagada and Sira Taluks are declared as severely drought affected Taluks by Karnataka State Natural Disaster Monitoring Centre (KSNDMC). Most of the families in the district are Below Poverty Line (BPL) and the agriculture is dwindling due to the unusual rainfall. Agriculture is the main economic source of income coupled with low annual rainfall of the order of 574 mm is posing threat to the livelihood and income of the people. Large variance in annual rainfall and uncertainty within a year causes the agriculture a risky venture. The people of the region have no other employment opportunities except agriculture. Hence providing irrigation and stabilizing the agricultural production, provides a much needed relief to the people. It improves the per capita income and standard of living of the people.

Excessive use of nitrate based fertilizers in the aforesaid Taluks, as well as presence of fluoride underground has resulted in contamination of ground water. This has made water unpalatable and unhealthy for human consumption. Hence, there is a need to provide the drinking water for human and domestic consumption and recharging the existing tanks to dilute the excess salts is of primary concern.

In this context, the project aims at providing sustainable irrigation facilities in Kharif season, recharge the ground water table and provide drinking water by filling 367 tanks in drought-prone taluks of the above said districts.

The benefits of Tumkur Branch Canal (TBC) under Upper Bhadra Project are as follows;

1. The area under TBC is dry facing erratic rainfall and droughts that are common in the region and the TBC runs for about 158 Km from Ajjampura Tunnel thereby helps in mitigating drought conditions of the region.
2. A total of 375 villages will be benefitted upon implementation of TBC.

3. TBC is planning to irrigate 84,900 Ha of command area in Chikkamagalur District (22130 Ha), Chitradurga District (43555 Ha) and Tumkur District (19215 Ha).
4. The objectives of TBC include providing drinking water supply and underground recharge along with filling up of 131 MI tanks in 3 districts.

1.3 Need for Wildlife Management Plan

Out of 60.1 Ha of forest land required for construction of Tumkur Branch Canal (TBC), 50.82 Ha of forest land belongs to Bukkapatna RF which has been notified as "Bukkapatna Chinkara Wildlife Sanctuary" vide GoK Notification No: FEE 63 FWL 2019; dt: 16.05.2019. The total area of the sanctuary is 13611.47 Ha which acts as a unique habitat for all 3 types of Antelopes viz., Four horned antelope, Black buck and Chinkara along with other Scheduled species such as Bear, Leopard, Hyena, Indian Wolf, etc. About 25 mammals, 12 amphibians, 28 reptiles, 54 butterflies and 160 avifaunal species are found in general in this forest.

Wildlife habitat is considered as the environment used by an animal and is essential for food, mating, cover and other requirements for survival. Any disturbance or loss of such habitat will have adverse effect on the overall population of the animals which live in that area. Whereas, linear projects such as irrigation canal is important to the country for economic growth and to meet the demands of basic needs of the people. Hence, incorporating the ecological considerations into modern design techniques will result in favorable win to win approach to safeguard the interests of both wildlife and people.

In this context, the objectives of the present Wildlife Management & Mitigation plan are as follows;

- To provide a plan to mitigate the impacts due to construction of canal inside the forest areas.
- To provide wildlife-crossings at suitable places, which are comfortable and conducive for wildlife movement across the proposed canal.

- There are no sources of water for the wildlife of the Bukkapatna Chinkara WLS except Boranakanive Lake located about 6 Km from the sanctuary and 2 non perennial lakes located within the sanctuary.
- To provide structures such as crossings, overpass bridges, culverts, water holes, etc so as not to disrupt the wildlife behaviour and its activities.
- To improve the habitat factors by augmenting the availability of water to wildlife during pinch period and by carrying out plantation of suitable species.
- To ensure the safety of wildlife by erecting chain link mesh fence along the canal abutting the NH-234 for about 4.5 Km to prevent road kills and accidental falls into the canal.
- There are no existing Wildlife structures proposed as part of NH-234 which is further proposed to be converted into a four lane highway. The Wildlife Management & Mitigation plan under TBC provides necessary wildlife crossings and structures essential for the wildlife activities and movements along the canal which abuts the NH-234 for about 4.5 Km length.
- Monitor of wildlife crossings and study the long-term impacts.

2.1 TUMKUR BRANCH CANAL

The Tumkur Branch canal involves diversion of 60.1 Ha of Forest land belonging to Udugere RF (9.28 Ha) in Kadur Taluk, Chikmagalur District and Bukkapatna RF / Bukkapatna Chinkara WLS (50.82 Ha) of Sira Taluk, Tumkur District. The total length of Tumkur Branch Canal is 1,59,684 m; out of which, 7,547 m from CH 150.735 Km to CH.158.282 Km falls within the Bukkapatna Chinkara WLS. The proposed Tumkur Branch Canal abuts the NH-234 for about 4.5 Km from CH.153.785 to 156.875 Km within Bukkapatna Chinkara Wildlife Sanctuary. The proposed TBC passes along the middle of the Bukkapatna Chinkara WLS thereby avoiding creation of isolated fragments of the WLS. The proposed alignment of Tumkur Branch Canal was considered after carrying out detailed studies involving 4 alternatives at Bukkapatna RF. The proposed alignment was found to be techno-economically feasible since it was finalized based on the irrigation contours and is also considered to involve the barest minimum forest area compared to the other alternatives. The map showing alternative analysis for the proposed alignment of TBC is given as Annexure - II

The project attracts provisions of Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 and requires approval from Regional Office, MoEF&CC and NBWL through SBWL respectively for diversion of Forest and Wildlife land. The application seeking prior approval of Central Government under Section 2 of Forest (Conservation) Act, 1980 has been submitted to the Deputy Conservator of Forest and District Commissioner of Tumkur and Chikmagalur Districts respectively on 18.07.2019 for onward site visits and Stage – I approval.

The SoI map and Geo-referenced maps showing the alignment of TBC in Bukkapatna Chinkara WLS are annexed as Annexure- III & IV respectively. The chainage wise details of forest land required for the construction of TBC along with GPRS Coordinates in Bukkapatna Chinkara Wildlife Sanctuary are as given below;

Table 1 Forest land required for diversion to construct Tumkur Branch Canal, Bukkapatna WLS.

Sr. No	Village Limits	Survey No	Chainage		Length of canal in Mtrs.	Canal width in Mtrs.	Land Required in ha
			From	To			
1	BELLARA	38	150735	150773	38	70	0.27
2		38	150773	150944	171	35	0.6
3		38	150944	151299	355	70	2.49
4		38	151299	151357	58	31	0.18
5		37				4	0.02
6		38	151357	151483	126	3	0.04
7		37				32	0.4
8		37	151483	151533	50	60	0.3
9		33				10	0.05
10		37	151533	151574	41	10	0.04
11		33				60	0.25
12		33	151574	151710	136	70	0.95
13		37	151710	151852	142	20	0.28
14		33				50	0.71
15		37	151852	152034	182	60	1.09
16		33				10	0.18
17		35	152034	152423	389	70	2.72
18		33	152423	152570	147	20	0.29
19		35				50	0.74
20		35	152570	152604	34	15	0.05
21		33				15	0.05
22		33	152604	152629	25	30	0.08
23		33	152629	152819	190	70	1.33
24		33	152819	152949	130	40	0.52
25		32	152949	153078	129	40	0.52
26		32	153078	153973	895	70	6.27
27		32	153973	154000	27	30	0.08
28		32	154000	154225	225	80	1.8
29		32	154225	154240	15	75	0.11
30		Road				5	0.01
31		32	154240	154267	27	4	0.01
32		31				5	0.01
33		Road				71	0.19
34		31	154267	154277	10	75	0.08
35		Road				5	0.01

Sr. No	Village Limits	Survey No	Chainage		Length of canal	Canal width	Land Required
36		31	154277	154573	296	80	2.37
				TOTAL	**3838**		**25.08**
1	KANAVIRAMPURA	1	154573	156743	2170	80	17.36
				TOTAL	**2170**		**17.36**
1	BUDDIGUDDADAKAVALU	22	156743	157022	279	80	2.23
2		22	157022	157044	22	60	0.13
3		23				20	0.04
4		22	157044	157068	24	10	0.02
5		23				70	0.17
6		23	157068	157453	385	80	3.08
7		23	157453	157543	90	40	0.36
8		23	157543	158123	580	25	1.45
9		23	158123	158195	72	35	0.25
10		23	158195	158228	33	70	0.23
11		23	158228	158282	54	75	0.41
				TOTAL	**1539**		**8.38**
				TOTAL EXTENT IN BUKKAPATNA CHINKARA WLS	**7547**		**50.81**

Table 2: GPRS Coordinates of Forest land to be diverted for the construction of Tumkur Branch Canal in Bukkapatna Chinkara WLS.

Sl.No	GPRS Point	Latitude	Longitude		Sl.No	GPRS Point	Latitude	Longitude
1	Sp 1	13.600100°	76.687075°		39	Dp 56	13.615620°	76.689325°
2	Dp 3	13.600209°	76.687292°		40	Dp 56	13.615620°	76.689325°
3	DP 4	13.600582°	76.687401°		41	Dp 58	13.615536°	76.689417°
4	Dp 5	13.600629°	76.687255°		42	Dp 60	13.615455°	76.689492°
5	Sp 3	13.601042°	76.687374°		43	Dp 62	13.615156°	76.689811°
6	Sp 6	13.601545°	76.687523°		44	Dp 64	13.615040°	76.689967°
7	Dp 5	13.602108°	76.687685°		45	Dp 66	13.614968°	76.690222°
8	Dp 7	13.602073°	76.687843°		46	Dp 68	13.614965°	76.690534°
9	Sp 7	13.602828°	76.688063°		47	Dp 69	13.615093°	76.690537°
10	SP 9	13.603684°	76.688312°		48	Sp 20	13.615105°	76.691049°
11	SP 11	13.604525°	76.688558°		49	Sp 22	13.615092°	76.691756°
12	Dp 9	13.605090°	76.688806°		50	Sp 24	13.615080°	76.692252°
13	Dp 10	13.605158°	76.688646°		51	Sp 26	13.615092°	76.692557°
14	Sp 14	13.605832°	76.688940°		52	Dp 72	13.615209°	76.692922°
15	DP 13	13.606683°	76.689314°		53	Dp 73	13.615078°	76.692922°
16	DP 15	13.606630°	76.689470°		54	Dp 76	13.615199°	76.693123°
17	DP 17	13.607191°	76.689693°		55	Dp 77	13.615340°	76.693280°

Sl.No	GPRS Point	Latitude	Longitude		Sl.No	GPRS Point	Latitude	Longitude
18	Dp 19	13.607645°	76.689745°		56	Dp 78	13.615597°	76.693476°
19	Dp 21	13.608150°	76.689684°		57	Sp 27	13.616142°	76.693750°
20	Dp 23	13.608744°	76.689458°		58	Sp 29	13.616692°	76.694031°
21	Dp 25	13.609258°	76.689106°		59	Sp 31	13.616892°	76.694119°
22	Dp 27	13.609838°	76.688728°		60	Sp33	13.617040°	76.694171°
23	DP 29	13.610354°	76.688382°		61	Sp 35	13.617208°	76.694193°
24	Dp 31	13.611658°	76.687910°		62	Sp 37	13.617374°	76.694194°
25	Dp 33	13.612014°	76.687824°		63	Sp 39	13.618318°	76.694211°
26	Dp 35	13.612318°	76.687809°		64	Sp 40	13.619401°	76.694231°
27	Dp 37	13.612622°	76.687892°		65	Sp 43	13.619554°	76.694280°
28	SP 13A	13.613301°	76.688186°		66	Sp 45	13.620946°	76.695029°
29	Sp 15	13.614044°	76.688448°		67	Sp 47	13.621495°	76.695753°
30	Sp 17	13.614676°	76.688706°		68	Dp 80	13.621841°	76.696245°
31	Dp 41	13.615353°	76.688980°		69	Dp 81	13.621977°	76.696147°
32	Dp 39	13.615428°	76.688819°		70	Dp 83	13.622125°	76.696358°
33	Dp 43	13.615618°	76.688901°		71	Dp 86	13.621954°	76.696496°
34	Dp 45	13.615724°	76.688969°		72	Dp 87	13.622114°	76.696715°
35	Dp 47	13.615744°	76.689000°		73	Dp 88	13.622286°	76.696840°
36	Dp 49	13.615557°	76.689070°		74	Sp 49	13.622797°	76.696971°
37	Dp 51	13.615656°	76.689158°		75	Sp 51	13.623586°	76.697132°
38	Dp 53	13.615702°	76.689248°		76	Sp 53	13.624534°	76.697267°
82	Sp 55	13.624703°	76.697314°		125	Sp 86	13.632395°	76.717745°
83	Sp 57	13.624891°	76.697430°		126	Sp 83	13.632797°	76.717123°
84	Sp 59	13.625138°	76.697665°		127	Sp 81	13.633118°	76.716238°
85	Sp 63	13.625267°	76.697985°		128	Sp79	13.632970°	76.715365°
86	Sp 64	13.625643°	76.699684°		129	Sp 77	13.630996°	76.712010°
87	Sp 66	13.626112°	76.701661°		130	Sp 75	13.630924°	76.711546°
88	Sp 68	13.627911°	76.705903°		131	Sp 73	13.630635°	76.707867°
89	Sp 70	13.629669°	76.707592°		132	Sp 71	13.630280°	76.707199°
90	Sp 72	13.629987°	76.708201°		133	Sp 69	13.628582°	76.705623°
91	Sp 74	13.630188°	76.711517°		134	Sp 67	13.626813°	76.701458°
92	Sp 76	13.630283°	76.712153°		135	Sp 65	13.626357°	76.699545°
93	Sp 78	13.632299°	76.715625°		136	Sp 64	13.625947°	76.697713°
94	Sp 80	13.632355°	76.716325°		137	Sp 62	13.625799°	76.697381°
95	Sp 82	13.632043°	76.716913°		138	Sp 61	13.625628°	76.697127°
96	Sp 85	13.631669°	76.717611°		139	Sp 60	13.625455°	76.696955°
97	Sp 87	13.631588°	76.718397°		140	Sp 58	13.625183°	76.696740°
98	Sp 89	13.631641°	76.719212°		141	Sp 56	13.624936°	76.696615°
99	Sp 91	13.631690°	76.719998°		142	Sp 54	13.624607°	76.696525°

Sl.No	GPRS Point	Latitude	Longitude		Sl.No	GPRS Point	Latitude	Longitude
100	Sp 93	13.631196°	76.723012°		143	Sp 52	13.623789°	76.696432°
101	Sp 95	13.631373°	76.723059°		144	Sp 50	13.623181°	76.696312°
102	Sp 97	13.631260°	76.723878°		145	Dp 89	13.622623°	76.696177°
103	Sp 99	13.631330°	76.723900°		146	Dp 85	13.622537°	76.696055°
104	Sp 101	13.630534°	76.729191°		147	Dp 84	13.622351°	76.696183°
105	Sp 102	13.630489°	76.729189°		148	Dp 82	13.622220°	76.695989°
106	Sp 105	13.630383°	76.729839°		149	Dp 79	13.622362°	76.695876°
107	Sp 107	13.630265°	76.729828°		150	Sp 48	13.622006°	76.695383°
108	Sp 109	13.630217°	76.730115°		151	Sp 46	13.621336°	76.694528°
109	Sp 111	13.630167°	76.730122°		152	Sp 44	13.619852°	76.693708°
110	Sp 113	13.630093°	76.730607°		153	Sp 42	13.619726°	76.693654°
111	Sp 114	13.630756°	76.730702°		154	Sp 41	13.619508°	76.693603°
112	Sp 112	13.630834°	76.730225°		155	Sp 38	13.618336°	76.693564°
113	Sp 110	13.630817°	76.730216°		156	Sp 36	13.617509°	76.693548°
114	Sp 108	13.630856°	76.729922°		157	Sp 34	13.617352°	76.693551°
115	Sp 106	13.630702°	76.729889°		158	Sp 32	13.617209°	76.693540°
116	Sp 104	13.630802°	76.729237°		159	Sp 30	13.616997°	76.693469°
117	Sp 103	13.630765°	76.729234°		160	Sp 28	13.616532°	76.693233°
118	Sp 100	13.631565°	76.723939°		161	Sp 28	13.616532°	76.693233°
119	Sp 98	13.631613°	76.723937°		162	Dp 75	13.615969°	76.692938°
120	Sp 96	13.631733°	76.723124°		163	Dp 74	13.615686°	76.692928°
121	Sp 94	13.631917°	76.723136°		157	Dp 71	13.615564°	76.692778°
122	Sp 92	13.632402°	76.719957°		158	Sp 25	13.615461°	76.692559°
123	Sp 90	13.632356°	76.719286°		159	Sp 23	13.615446°	76.692312°
124	Sp 88	13.632308°	76.718476°		160	Sp 21	13.615443°	76.691768°
161	Sp 19	13.615447°	76.691094°		185	Dp 28	13.609587°	76.688123°
162	Dp 70	13.615462°	76.690541°		186	Dp 26	13.609038°	76.688476°
163	Dp 67	13.615597°	76.690527°		187	Dp 24	13.608594°	76.688780°
164	Dp 65	13.615612°	76.690258°		188	Dp 22	13.608187°	76.689004°
165	Dp 63	13.615751°	76.690106°		189	Dp 20	13.607735°	76.689098°
166	Dp 61	13.616031°	76.689816°		190	Dp 18	13.607313°	76.689051°
167	Dp 59	13.616205°	76.689646°		191	DP 16	13.606876°	76.688881°
168	Dp 57	13.616322°	76.689465°		192	Dp 14	13.606794°	76.689055°
169	Dp 54	13.616352°	76.689212°		193	Sp 13	13.605953°	76.688695°
170	Sp 52	13.616298°	76.689020°		194	Dp 11	13.605273°	76.688394°
171	DP 50	13.616212°	76.688848°		195	DP 12	13.605337°	76.688214°
172	Dp 48	13.616026°	76.688909°		196	SP 12	13.604733°	76.687950°
173	Dp 46	13.615947°	76.688820°		197	Sp 10	13.603928°	76.687716°
174	Dp 44	13.615810°	76.688703°		198	SP 8	13.603065°	76.687460°

Sl.No	GPRS Point	Latitude	Longitude		Sl.No	GPRS Point	Latitude	Longitude
175	Dp 40	13.615533°	76.688562°		199	Dp 8	13.602247°	76.687220°
176	Dp 42	13.615601°	76.688384°		200	Dp 6	13.602203°	76.687379°
177	Sp 18	13.614918°	76.688111°		201	Sp 5	13.601654°	76.687221°
178	Sp 16	13.614330°	76.687882°		202	Sp 4	13.601137°	76.687064°
179	Sp 14	13.613611°	76.687607°		203	Dp 2	13.600718°	76.686941°
180	Dp 38	13.612795°	76.687260°		204	Dp 1	13.600743°	76.686823°
181	Dp 36	13.612402°	76.687175°		205	Sp 2	13.600353°	76.686971°
182	Dp 34	13.612005°	76.687165°					
183	DP 32	13.611591°	76.687248°					
184	Dp 30	13.610132°	76.687770°					

FLORA IN BUKKAPATNA CHINKARA WLS

3

The forests of Tumkur Division consist of a wealth of deciduous species topping a thorny undergrowth typical of maidan areas of Karnataka. According to Champion & Seth (1968), Tumkur Forest Division falls under group five of Southern tropical dry deciduous forests. Low, stunted, brandy poles, and diffuse crown contribute to make up a patchy forest canopy. The tree growth is poor on account of many unfavorable factors such as inadequate rainfall, poor shallow soils and biotic factors.

3.1 Flora in Bukkapatna Chinkara WLS

- The forest area (Bukkapatna Chinkara WLS) proposed for diversion belongs to Bukkapatna Range of Tumkur Division.
- According to Champion & Seth (1968), the forest land of Bukkapatna Chinkara WLS belongs to the category “Dry thorny scrub forests”.
- Due to biotic factors like lopping, felling, excessive grazing, recurrent fires, poor and unevenly distributed rainfall and hilly nature, large areas of dry deciduous forests have degraded to poorer forest types.
- The trees tends to be bushy and stunted and do not grow more than five meters tall.
- The tree components are almost same as in dry deciduous forests but are distributed sparsely and vary very much in frequency of their occurrence.
- The main tree species includes *Acacia sp., Albizia amara, Anogeissus latifolia, Bauhinia racemosa, Butea monosperma, Dalbergia paniculata, Ixora arborea, Semecarpus anacardium, Strychnos potatorum, Wrightia tinctoria, Tectona grandis, Grewia hirsuta, Morinda pubescens, Hardwickia binata, Phyllanthus emblica, Cassia fistula, Eucalyptus citriodor* and *Albizia lebbeck*.
- The undergrowth has *Canthium parviflora, Erythroxylum monogynum, Randia dumetorum, Pterolobium hexapetalum, Lantana camara, Dodonaea viscose, Cassia auriculata* and others.

3.2 Demand & timber and non timber forest produce

The important forest products of utility in the division are timber, small timber, non-timber forest products like tamarind, seethaphala, maradi seeds, honey wax, thatching grass, medicinal plants, myrobolams, *Eucalyptus* and *Casuarina* poles. In general the following are the species identified in the forests of division which cater to the needs of timber, small timber, non-timber forest products, fruits, fodder and other cultural needs. Industrial requirement of mineral is also met to some extent. The cement factory at Ammasandra is the principal consumer of limestone quarried from nearby forests.

- **Timber and small timber:** *Acacia nilotica, Acacia auriculiformis, Albizia spp, Azadirachta indica, Eucalyptus* and *Casuarina poles*.
- **Bamboo:** *Dendrocalamus strictus, Bambusa bambos*.
- **Non-timber forest products:** *Tamarindus indica, Diospyros sp, Annona squamosa, Buchanania spp,* myrobolams, honey and medicinal plants.
- **Trees considered culturally important:** *Aegle marmelos, Azadirachta indica, Ficus bengalensis, Ficus religiosa, Madhuca indica* etc.
- **Minerals:** Iron, manganese and limestone.

Bukkapatna Chinkara WLS

FAUNA IN BUKKAPATNA CHINKARA WLS

4

4.1 Fauna in thorn and scrub forests of Tumkur Division

Though the forest cover is not substantial, the forests are inhabited by a variety of animal life. However, larger animals are scarce in the district. The predominant fauna of the thorn and shrub forests of Tumkur Division includes Sloth bears, Black bucks, Wild sheeps, panthers and hares. Some of the other fauna in the Division includes;

- **Mammals:** Common langur, Common fox, Fruit bat, Hyena, Indian porcupine, Indian wolf, Jackal, Jungle cat, Mice, Mongoose, Rat, Squirrel, Spotted deer, Wild boar.
- **Birds:** Ashy wren warbler, Black drongo, Black winged kite, Blossom headed parakeet, Blue Jay, Black headed oriole, Common weaver bird, Crow pheasant, Chestnut bellied nut hatch, Common myna, Common hawk, Cattle egret, Common peafowl, Common kingfisher, Grey babbler, Grey wagtail, Grey jungle fowl, Great horned owl, Gray partridge, Golden backed woodpecker, House sparrow, Indian robin, Jungle Babbler, Jungle myna, Jungle crow, Koel, Luggar falcon, Munia, Pied wagtail, Pariah kite, Red vented bulbul, Red turtledove, Rose ringed parakeet, Whistling thrush.
- **Reptiles:** Cobra, Chameleon, Garden lizard, Krait, Monitor lizard, Python, Viper.

4.2 Fauna in Bukkapatna Chinkara WLS

The total area of the sanctuary is 13611.47 Ha which acts as a unique habitat for all 3 types of Antelopes viz., Four horned antelope, Black buck and Chinkara along with other Scheduled species such as sloth bear, Leopard, Hyena, Indian Wolf, etc. About 25 mammals, 12 amphibians, 28 reptiles, 54 butterflies and 160 avifaunal species are found in general in this forest.

4.2.1 Conservation status of mega-faunal species in Bukkapatna Chinkara WLS

Table 3: IUCN conservation status, 2019 and Wildlife (Protection) Act, 1972 of the mega-faunal species recorded in Bukkapatna Chinkara WLS

Sl. No.	Common Name	Scientific Name	IUCN Conservation status, 2019	Wildlife (Protection) Act, 1972 Schedule
1	Four horned antelope	*Tetracerus quadricornis* (Blainville, 1816)	Vulnerable	I
2	Black buck	*Antilope cervicapra* (Linnaeus, 1758)	Least Concern	I
3	Chinkara	*Gazella bennettii* (Sykes, 1831)	Least Concern	I
4	Sloth bear	*Melursus ursinus* (Shaw, 1791)	Vulnerable	I
5	Leopard	*Panthera pardus* (Linnaeus, 1758)	Vulnerable	I
6	Striped Hyena	*Hyaena hyaena* (Linnaeus, 1758)	Near Threatened	III
7	Indian Wolf	*Canis lupus pallipes* (Sykes, 1831)	Not Assessed	I

The conservation aspects for the preparation of Wildlife Management & Mitigation Plan of the above mega-fauna are arrived based on their behaviour, preferable habitats, breeding sites, food and water availability in the region. The details are as given below;

Table 4: Conservation aspects of mega-faunal species recorded in Bukkapatna Chinkara WLS

Species	Behavior	Habitat & breeding site	Food	Conservation aspects to be considered
Black buck	• Primarily grazers, but browse when lack of grasses. • Mainly sedentary, but in summer may move longer distances in search of water and forage. • Require water every day.	• Open grassland, dry thorn scrub, scrubland and lightly-wooded country as well as agricultural margins.	Grasses, leaf litter, flowers and fruits	• Wildlife crossings to provide accessibility to the resources on the other side of the canal. • Water holes for drinking purpose. • Plantation of flower and fruit bearing species along

Species	Behavior	Habitat & breeding site	Food	Conservation aspects to be considered
				the canal banks and overpass bridges.
Chinkara	• Shy and avoid human habitation. • Nocturnal feeding habits and are most active just prior to sunset and throughout the night. • They are facultative drinkers, and so can live in very arid areas without water for long periods. • They sometimes raid fields cultivated with rape seed and sorghum in desert regions	• Arid plains and hills, deserts, dry scrub and light forests.	• Their diet typically consists of grasses, herbs, various leaves, crops and fruits. • Herbs preferred includes; *Crotalaria burhia* (42% of diet), *Ziziphus nummularia* (15%), *Maytenus emerginata* (11%), and *Prosopis cineraria* (9%).	• Wildlife crossings to provide accessibility to the resources on the other side of the canal. • Plantation of fruit bearing trees along with preferred herbs along the canal banks and overpass bridges.
Four horned antelope	• Primarily grazers, but browse when lack of grasses. • Diurnal and solitary by nature.	• Open grassland, dry thorn scrub, scrubland and lightly-wooded country as well as agricultural margins. • Habitats close to water bodies.	Grasses, herbs, shrubs, foliage, flowers and fruits.	• Wildlife crossings to provide accessibility to the resources on the other side of the canal. • Water holes for drinking purpose. Plantation of flower and fruit bearing trees along the canal banks and overpass bridges. • Plantation of flower and fruit bearing species along the canal banks and overpass bridges.

Species	Behavior	Habitat & breeding site	Food	Conservation aspects to be considered
Indian wolf	• Social animal and live in small packs. • Territorial. • Nocturnal	• Ubiquitous where there is suitable food and prey biomass is highest.	Extremely variable food including moose, caribou, deer, wild boar, smaller prey items, livestock, carrion, garbage, etc.	• Wildlife crossings to provide accessibility to the resources on the other side of the canal. • Water holes for drinking purpose.
Leopard	• Solitary and nocturnal carnivores. • Less diurnal in areas close to human habitats. • Most comfortable in the lower forest canopy, where they often feed, and descend from the canopy head-first. • Comfortable in water and are adequate swimmers. • Carries the carcass to a secluded feeding location, typically in a nearby tree. • Rest in the branches of trees with dense canopies in order to escape the heat of the day and increase their sense of safety.	• Leopards inhabit a variety of terrain. • Also occupies mountainous, scrub, and desert habitats. • Favor trees throughout their entire geographic distribution.	• Mid-sized ungulates, which includes small antelopes (Bovidae), gazelles (Gazella), deer (Cervidae), pigs (Sus), primates (Primates) and domestic livestock. • Also feeds on birds (Aves), reptiles (Reptilia), rodents (Rodentia), arthropods (Arthropoda), and carrion when available. • Facultative drinkers and obtain much of their water requirements from ingested prey.	• Wildlife crossings to provide accessibility to the resources on the other side of the canal. • Plantation of trees with dense canopies along the canal banks.
Sloth bear	Nocturnal or crepuscular	• Wide range of habitats including wet and dry tropical forests, savannahs, scrublands, and grasslands. It shelters in rock outcrops,	Termites, ants, and fruits	• Wildlife crossings and culvert boxes to provide accessibility to the resources on the other side of the canal.

Species	Behavior	Habitat & breeding site	Food	Conservation aspects to be considered
		thickets, and tree cavities.		• Water holes for drinking purpose. • Plantation of fruit bearing trees along the canal banks and overpass bridges.
Striped Hyena	• Generally considered solitary, but has some social organization. • Forages individually principally at night and is rarely seen in groups. • Water is consumed every night if it is available, but can survive without water for long periods and live under desert conditions.	• Arid, mountainous regions with scrub woodland. It dens in rocky hills, ravines, and crevices.	• Predominantly a scavenger. • Diet consists mainly of carrion and human refuse. • Scavenges large and medium-sized mammals, such as zebras, wildebeests, gazelles, and impalas, even eating bones from carcasses if the meat has been picked off. • Supplements its diet with fruit, insects, and occasionally by killing small animals like hare, rodents, reptiles, and birds.	• Wildlife crossings to provide accessibility to the resources on the other side of the canal. • Water holes for drinking purpose.

ANTICIPATED IMPACTS 5

5.1 Habitat Fragmentation

Habitat fragmentation is defined as a process during which 'a large area of habitat is transformed into a number of smaller patches of smaller total area, isolated from each other by a matrix of habitats unlike the original' (Wilcove *et al.* 1986).

Out of 1,59,684 m of the TBC, 7,547 m (CH 150.735 Km to CH.158.282 Km) of the canal falls within the Bukkapatna Chinkara WLS. Construction of the canal acts as a physical barrier for wildlife. The species belonging to the area proposed for canal construction will lose their habitat and fragmentation will take place. Animal movement will be blocked and chances of animals fall into the canal result in death or injury.

Bukkapatna Chinkara WLS is a unique habitat for antelopes, sloth bears, leopards, wolves, etc. However these mammals are not confined to a particular place and move across and between the nearby Reserve Forests. Therefore, the construction of the canal may cause habitat fragmentation but with suitable mitigation measures such as, wildlife crossings, overpasses, underpasses, bridges, etc can be constructed to minimize the effect of habitat fragmentation.

5.2 Loss of Habitat

The area proposed for diversion is a habitat for antelopes and sloth bears along with other species. Habitat loss has direct negative effect on genetic diversity and population growth rate. Habitat loss occurs when an area of suitable habitat is altered and becomes unsuitable leading to displacement of resident species. However, landscape as a whole, the area proposed for diversion is small (0.37 % of the total area) and any changes occurred would be recoverable with appropriate mitigation measures.

5.3 Disturbance during project implementation

Impacts due to labour force for construction activities will lead to establishment of campsites, generation of sewage, waste water and solid waste. Further, they may engage in activities that are detrimental to natural habitat such as hunting, illegal extraction of timber for fuel wood and non timber forest products.

Air and noise pollution will arise due to activities such as excavation, cutting, drilling and filling and compaction work, as well as operation of construction related vehicles during the construction phase will cause disturbance to the wild animals. This can be avoided by following appropriate mitigative measures.

5.4 Road kills/accidental fall into canal

The alignment of TBC for a stretch of 4.5 km abuts the NH-234 which may lead to road kills of wildlife during its movement to the other side of the canal. Drowning or accidental fall of animal's especially small and medium sized animals into the canal will result in death or injury to these animals. This can be avoided with erection of chain link mesh based fencing on either sides of the canal.

WILDLIFE MANAGEMENT PLAN 6

The impacts stated in Chapter 5 can be minimized through several mitigation measures which are a part of the Wildlife Management Plan. The mitigation measures are as follows;

6.1 Provision of wildlife crossings

Wildlife, like any other living species require the primary needs of food, shelter, water and territory to roam, hunt, search for food etc. The construction of canal in the WLS may pose as a barrier restricting the movement of animals. Daily, weelky or seasonal movments across lanscape is neccesary for the most terristrial species.

It may not be a serious threat for the smaller mammal and other terrestial species but the large mammals may get highly affected. This leads to habitat fragmentation and the major impacts are as follows (Jaeger et. al., 2005);

- Limits the availability of habitat for any wild species
- Prevents access to water and other resources on the other side of the canal
- Subdivide wildlife populations into smaller and more vulnerable sub-populations
- Affects the regular movement path of the wildlife

Hence it is necessary to construct wildlife crossings in order to facilitate the smooth movement of animals all through its natural habitat. The crossing over construction is necsesary for the following elments:

- To restore pre-development wildlife movement pattern
- To reduce wild life physical barrier due to canals

These structures allow animals to cross human-made barriers safely. These crossings may include: underpass tunnels, viaducts, and overpasses (mainly for large or herd-type animals); amphibian tunnels; tunnels and culverts (for small mammals); green roofs (for butterflies and birds) (Bank et al. 2002). All of these structures are designed to provide semi-natural corridors above and below human constructed barriers like canals so that animals can safely cross without endangering themselves.

Wildlife crossings are a practice in habitat conservation, allowing connections or reconnections between habitats, combating habitat fragmentation. They also assist in avoiding falling and drowning of animals in the canals. Some of the examples of the wildlife crossing across the world are given below;

Site selection for the construction of the wild life crossing (Overpass or Underpass) construction has to consider the following factor;

- Multiple crossing structures should be constructed keeping in view of the water bodies within the WLS and at a crossing point to provide connectivity for all species likely to use a given area with water availability (Little, 2003). Different species prefer different types of structures (Clevenger et al. 2001; McDonald & St Clair 2004; Clevenger & Waltho 2005; Mata et al. 2005). For deer or other ungulates, bridge is preferable and for black bear, large box culverts with natural earthen substrate flooring are optimal (Evink, 2002).
- At least one crossing structure should be located within an individual's home range. Because most reptiles, small mammals, and amphibians have small home ranges, metal or cement box culverts should be installed at intervals of 150-300m (Clevenger et al. 2001). For ungulates and large carnivores, larger crossing structures should be located no more than 1.5 km apart (Mata et al. 2005; Clevenger and Wierzchowski 2006).
- Suitable habitat for species should occur on both sides of the crossing structure (Ruediger 2001; Barnum 2003; Cain et al. 2003; Ng et al. 2004).

Considering the above points and views of animals using the location, topography and observations of forest officials, following wildlife crossings were suggested;

Sl. No.	Proposed Structure	Criteria	No of structures proposed
1	Single lane (Over pass) bridges	One for every 1500 m	5 Nos.
2	Under passes/ culverts	One for every 150 m	50 Nos.
3	Super passages	One for every 1500 m	5 Nos.
4	Foot bridges	One for every 1500 m	5 Nos.
5	Water holes	One for every 500 m	15 Nos.
6	Animal Guide	One for every 300 m	25 Nos.

Sl. No.	Proposed Structure	Criteria	No of structures proposed
7	Ramps	One for every 300 m	25 Nos.
8	Chain link mesh on either sides of canal	CH.153.785 to 156.875 Km near NH-234	For approximately 4.5 Km

6.1.1 Single Lane (over pass) bridges

Single lane bridges are structures built across the canal for easy movement of mega faunal species such as, Blackbuck, Hyena, Jackal, Panther, Sloth bear, Spotted deer, Four horned antelope, Chinkara, Indian fox, Indian wolf, etc. The floor of these bridges of 15 m width will be covered with soil and vegetation to make the movement more comfortable. These structures will be built at 5 places for every 1500 m along Tumkur Branch Canal within the WLS. Construction of single lane bridge near this linkage help the mega fauna to crossover to the other side of the canal for the accessibility of water and other resources.

6.1.2 Underpasses (culverts)

Underpasses (Box culverts) are structures meant for flow of water under the canal. Fifty underpass bridges/culverts of 2 m width will be constructed for every 150 m of Tumkur Branch Canal within WLS as it will help in the movement of vast population of sloth bears along with other small, medium animals and reptiles. There might be a regular wildlife movement near to this chain linkage due to available water source. Construction of the passage in this area help the easy movement of the wildlife without disturb in their regular movement.

Figure 2: Typical view of culvert

6.3 Super passages

Super passage is an hydraulic structure in which the natural drainage is passing over the irrigation canal. The drainage is taken through a rectangular or trapezoidal trough of channel which is constructed on the deck supported by piers. Smaller mammals and reptiles such as porcupine, hare, mangoose, snakes, etc can make use of this structure for their movement easily. Five super passages of 3 m width will be constructed for every 1500 m of Tumkur Branch Canal within WLS.

6.4 Foot bridges

Foot bridge is a structure designed for low mobile mammals and reptiles and lower order animals and provides safe and sustainable crossings. These structures are provided with RC railings for safe movement. Five foot bridges will be constructed for every 1500 m along Tumkur Branch Canal within WLS.

6.2 Mitigation of impacts during project implementation phase

- Water shall be sprayed by high-pressure water hoses during dust generating construction activities e.g. excavation, crushing/demolishing, concrete mixing, material handling etc. to suppress dust; and vehicles delivering loose and fine materials like sand and fine aggregates shall be covered by tarpaulin to reduce spills on roads.
- All roads (internal and external) to be used by the project authorities should be made 'pucca' (Sprinkled with water) to mitigate the dust generation along the roads.
- Exhausts of other equipment used for construction (e.g. generators), if any shall be positioned at a sufficient height to ensure dispersal of exhaust emissions and meet the standards set by CPCB. Idle running of vehicles will be minimized during transport and handling activities.
- The noise pollution will be checked and maintained by installing sound barricades around crushing plants and by taking up regular maintenance of heavy earth moving vehicles. Selection of equipment with less noise generation will be used.

- On site workers near the noise generating equipment shall be provided with noise protection devices like earmuffs/earplugs. Controlled blasting and drilling will be undertaken to avoid the noise pollution.
- No labor camps are allowed inside the forest areas.
- Labors will be trained for protection of trees and conservation and importance of wildlife. Smoking is prohibited in the forest areas and regular monitoring will be undertaken to avoid forest fires.
- Labor camps will be provided with LPG for cooking and hence illegal felling of trees will be avoided.
- During construction phase, forest department will depute staff to monitor the activities.

6.3 Provision for chain link mesh

Erection of chain link mesh based fencing on either side of the canal (4.5 Km length from CH.153.785 to 156.875 Km near NH-234) to secure wild animals from road kills and accidental fall leading to drowning in the canal. The fence type is metal with high gauge and more durable. Habitat improvement through raising of plantations and providing water holes is increased in the density of animals in that area.

6.4 Augmenting the factors of habitat

6.4.1 Creation of water holes

Generally during summer, drowning of animals into the canal will be anticipated to access the drinking water. In order to avoid the drowning of animals due to drinking water, artificial water holes will be created with continuous water supply from the canal throughout the year. Water holes of not less than 700 Sq. m. area will be proposed at every 500 m and the water and will be supplied with the canal water through piped conveyance system. A total of 15 water holes are proposed to cater the drinking water needs of wildlife.

Figure 3: Typical view of water holes

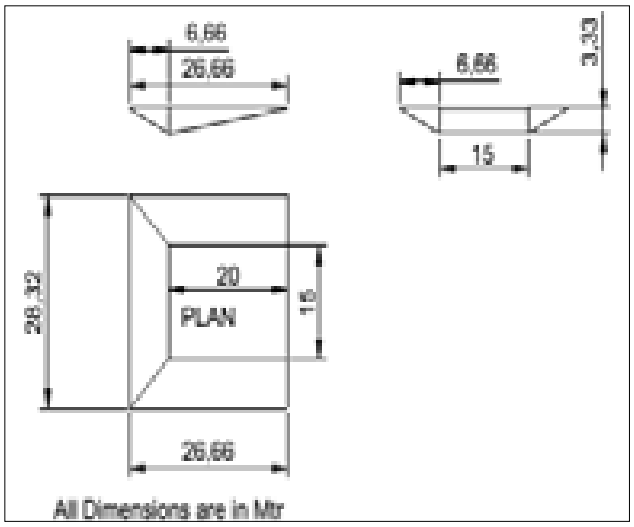

Figure 4: Typical design of water holes

6.4.2 Plantation along canal banks

In order to enhance greenery along the barriers across canal so as create a natural and comfortable environment to the wildlife, plantation of tall, greater crown, broad leaved,

fruit bearing, shade providing trees shall be planted. The plantation will be taken up in due consultation with KFD and species proposed for plantation is given below.

Table 5: Checklist of native tree species proposed for plantation alongside canals

A. Canal Bank Plantation				
Sl.No	**Scientific Name**	**Common Name**	**Family**	**Uses**
1	*Aegle marmelos* (L.) Corrêa	Bilvapatre	Rutaceae	Edible
2	*Alangium salvifolium* (Lam.)	Ankole	Cornaceae	Fruit
3	*Anacardium occidentale* L.	Gerubeeja	Anacardiaceae	Fruit
4	*Swietenia mahagoni* (L.) Jacq.	Mahogany	Meliaceae	Shade
5	*Azadirachta indica* A.Juss.	Bevu	Meliaceae	Shade
6	*Terminalia chebula* Retz.	Alale kaayi	Combertaceae	Shade
7	*Ficus benghalensis* L.	Aladamara	Moraceae	Fruit
8	*Ficus racemosa* L.	Attimara	Moraceae	Fruit
9	*Annona squamosa* L.	Seetaaphal	Annonaceae	Fruit
10	*Lagerstroemia speciosa* Deepu & Pandur.	Nandi mara	Lytharaceae	Flowering
11	*Hardwickia binata* Roxb.	Kamara	Fabaceae	Edible
12	*Neolamarckia cadamba* (Roxb.) Bosser	Kaduavalatige	Rubiaceae	Broad Leaf
13	*Dalbergia sissoo* Roxb.	Beete	Fabaceae	Shade
14	*Pithecellobium dulce* (Roxb.)Benth.	Seeme hunase	Fabaceae	Fruit
15	*Pongamia pinnata* (L.) Pierre	Honge mara	Fabaceae	Shade
16	*Tectona grandis* L.f.	Tega	Verbenaceae	Timber
17	*Mangifera indica* L.	Mavu	Anacardiaceae	Fruit
18	*Syzygium cumini* (L.) Skeels.	Nerale	Myrtaceae	Fruit
19	*Artocarpus heterophyllus* Lam.	Halasu	Moraceae	Fruit
20	*Bambusa bambos* (L.) Voss.	Biduru	Poaceae	Edible
21	*Terminalia bellirica* (Gaertn.) Roxb.	Thare mara	Combertaceae	Fruit
22	*Mallotus philippensis* (Lam.) Müll.Arg.	Kunkuma mara	Euphorbiaceae	Shade
23	*Bridelia retusa* (L.) A.Juss	Mullu Honne	Phyllanthaceae	Fruit
24	*Bauhinia purpurea* L.	Basavana pada	Magnoliaceae	Flower
B. Plantation at Single lane (overpass) bridges				
1	*Asparagus racemosus* Willd.	Shatawari	Asparagaceae	Edible
2	*Phyllanthus emblica* L.	Bettada Nelli	Phyllanthaceae	Fruit
3	*Wrightia tinctoria* (Roxb.) R.Br.	Hale mara	Apocynaceae	Edible
4	*Cymbopogon flexuosus* (Nees ex Steud.) W.Watson	Lemon Grass	Poaceae	Edible
5	*Vitex alata* Willd.	Naviladi	Lamiaceae	Shade
6	*Rauvolfia serpentine* (L.) Benth. ex Kurz	Sarphagandha	Apocynaceae	Medicinal
7	*Cassia fistula* L.	Kakke mara	Fabaceae	Edible
8	*Erythroxylum monogynum* Roxb.	Jeevadaali	Erythroxylaceae	Edible
9	*Gardenia gummifera* L.F.	Bikkegidha	Rubiaceae	Edible
10	*Zizyphus mauritiana* LAM.	Bore hannu	Rhamnaceae	Fruit
11	*Dodonaea viscosa* Jacq.	Barlu	Sapindaceae	Edible

12	*Dendrocalamus strictus* NEES	Bidiru	Poaceae	Edible
13	*Catharanthus roseus* (L.) G.DON	Nithya Pushpa	Apocynaceae	Medicinal

6.5 Provision of animal guides

The possibility of wild animals drown into the canal is expected and to avoid the same and rescue the wild animals, provision for animal guides (25 Nos.) at every 300 m will be provided for the entire length of the canal. "An animal guide is a combination of two pillar posts at a certain longitudinal distance on the opposite bed ends of canal joined by steel chains that helps guide the drowning animals towards a bank and saves life. Such animal Guides should have alternately opposite layout configuration (Govt. of Nepal, 2011)". This experiment was successfully implemented in Rani Jamara Kulariya Irrigation Scheme - Phase I, Nepal. Typical design and view of the animal guide is given below;

6.6 Provision of ramps

Whenever the wild animals fall into the canal, it is proposed to construct ramps with rough surface of 5 m at every 300 m. This will enable the animals to easy access the ground immediately. About 25 ramps are proposed.

Figure 5: Typical view of ramps

6.7 Impact monitoring

Changes in movement of wild animals shall be closely observed by monitoring the movement by establishing a separate monitoring wing at Kaniverampura village. This wing also acts as wildlife rescue team if necessary. The success of the proposed mitigation measures depends on how well the implementing staff has been trained on wildlife aspects

by subject experts. Hence, adequate training will be provided to the staff working at ground level.

6.8 Compensatory afforestation

The most significant impact that will arise due to the project includes loss of habitats due to establishment of the proposed canal and temporary access roads. As part of compensatory afforestation for the proposed diversion, 364.50 ha of non forest land had been identified for raising Compensatory Afforestation (CA) in Sy.No 343 of Varavu Kaval village, Nayakanahatti Hobli, Chalkere Tq, Chitradurga District and transferred to Karnataka Forest Department. The CA land suitability certificate and RTC mutation copy are enclosed as Annexure V. The details of the utilization of the compensatory afforestation land for Upper Bhadra Project Package I&II are as given below;

Table 6 : Details of Forest land required and CA land provided to Karnataka Forest Department

Sl.No	Project Components	Forest land Utilization (Ha)	Stage-I Forest Clearance Reference No.	CA Land provided in (Ha)
1	Package – I (Canal from Tunga River to Bhadra Reservoir)	96.95	F.No.4-KRA 1037/2014-BAN/8002 Dt: 11.02.2016	96.95
2.	Package – II (Canal from Bhadra Reservoir to Ajjampura Tunnel)	110.10	F.No.4-KRA 1036/2014-BAN/7710 Dt: 12.11.2015	110.10
3.	Construction of Chitradurga Branch Canal	91.89	F.No.4-KRA 1035/2014-BAN/8084 Dt: 04.03.2016	111.57
	Total	**298.94**		**318.62**

Table 7: Additional Forest Land Required for construction of Tumkur Branch Canal

Sl.No.	Name of the project component	Chainage (km)	Name of the RF	Name of the Taluk and District	Forest Land required in (Ha)
1	Tumkur Branch Canal	65.479 to 66.423	Udugere RF	Kadur Taluk of Chikmagalur district	9.28 Ha
2		150.735 to 158.282	Bukkapattana RF	Sira taluk of Tumkur District.	50.82 Ha
				Total	**60.10 Ha**

Table 8 : Compensatory Afforestation Land utilization

Sl.No	Name of the Project Component	Forest Land utilized/Required Ha		CA Land Provided in Ha
1	Package I, II and III of Upper Bhadra Project	298.94	359.04	364.50
2	Construction of proposed Tumkur Branch Canal	60.10		
			Balance CA Land	**5.46**

Once the project activities are completed, degraded areas along the canal could be restored by carrying out a reforestation/ restoration programmes. Trees can be planted along the access roads and across the canal.

COST ESTIMATE 7

Detailed cost estimates and designs of these structures will be finalized after due consultation Forest Department and for providing site specific activity plan. However, based on the initial studies, a total of Rs. Twenty Six Crores Twenty Two Lakhs is earmarked for implementation of wildlife management plan. The abstract showing the cost estimates for different components and along with detailed estimates are given below;

Table 9 : Cost estimate for implementation of Wildlife Management & mitigation Plan

Sl. No.	Proposed Structure	Criteria	No. of proposed structures for canal of 7547 m length	Cost per structure (Rs./-)	Total Cost (Rs./-)
1	Single lane (Over pass) bridges	One for every 1500 m	5 Nos.	1,00,00,000/-	5,00,00,000/-
2	Under passes/ culverts	One for every 150 m	50 Nos.	33,00,000/-	16,50,00,000/-
3	Super passages	One for every 1500 m	5 Nos.	63,00,000/-	3,15,00,000/-
4	Foot bridges	One for every 1500 m	5 Nos.	10,00,000/-	50,00,000/-
5	Water holes	One for every 500 m	15 Nos.	1,00,000/-	15,00,000/-
6	Animal Guide	One for every 300 m	25 Nos.	50,000/-	12,50,000/-
7	Ramps	One for every 300 m	25 Nos.	3,00,000/-	75,00,000/-
8	Chain link mesh on either sides of canal	CH.153.785 to 156.875 Km near NH-234	For 4.5 Km	1,00,000/-	4,50,000/-
9	Canal bank plantations	All along canal banks	6000 saplings (Rs. 250/- per sapling)	15,00,000/-	1,12,50,000/-
10	Maintenance of canal bank plantation for 3 years	-	-	-	25,92,000/-
				Total Estimated Cost (Rs./-)	**27,60,42,000**/-

(In words: Twenty Seven Crores Sixty Lakhs Forty Two Thousand only)

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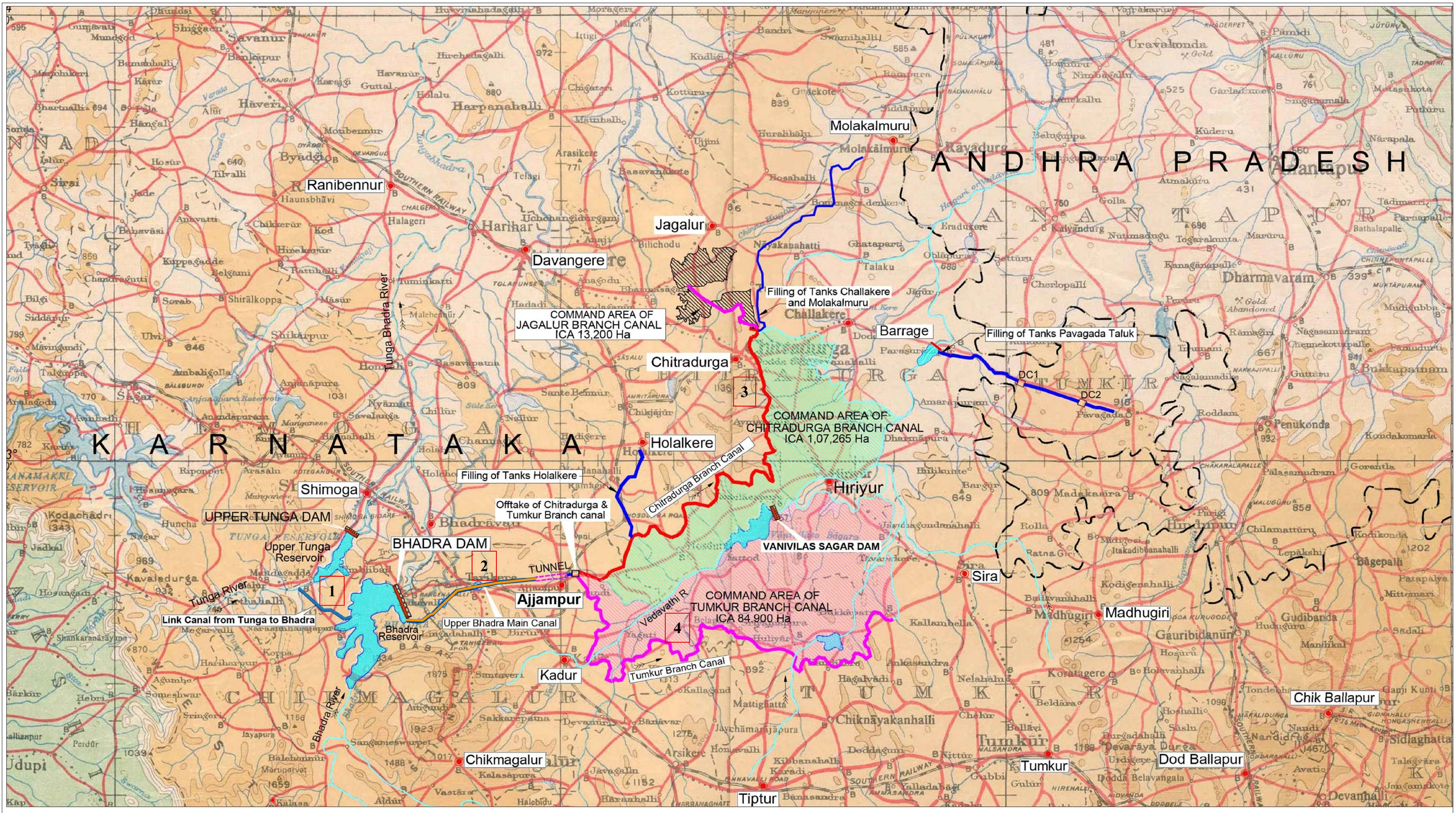
ANNEXURE – 1
Command area map of Upper Bhadra Project and Administrative approval accorded for the project



DIVERSION OF 50.82 HA OF FOREST LAND BELONGING TO BUKKAPATNA CHINKARA WILDLIFE SANCTUARY FOR THE CONSTRUCTION OF TUMKUR BRANCH CANAL, UPPER BHADRA PROJECT.

INDEX MAP SHOWING THE ENTIRE UPPER BHADRA PROJECT

LEGEND

1	Proposed Command Area of Chitradurga Branch Canal	
2	Proposed Command Area of Tumkuru Branch Canal	
3	Command Area Jagaluru Branch Canal	
4	Reservoir	
5	Chitradurga Branch Canal	
6	Tumkuru Branch Canal	
7	Package I (Lift Canal from Tunga to Bhadra	
8	Package II (Canal from Bhadra Reservoir to Ajjampura Tunnel	

N W E S

10 0 10 20 30 40 km

Scale 1:250000

BASE MAP: SURVEY OF INDIA TOPOSHEET

Sl. No	Project Components	Forest Land Utilization (Ha)	Stage I Forest Clearance Reference No.
1	Package I(Canal from Tunga river to Bhadra Reservoir)	96.95	F.No.4-KRA 1037/2014-BAN8002 Dt:11.02.2016
2	Package II(Canal from Bhadra Resrvoitr to Ajjampura Tunnel)	110.1	F.No.4-KRA 1036/2014-BAN7710 Dt:12.11.2015
3	Construction of Chitradurga Branch Canal	91.89	F.No.4-KRA 1036/2014-BAN7710 Dt:12.11.2015
4	Construction of Tumkuru Branch Canal	60.1	FDP. No: FP/KA/Canal/37818/2018

AUTHORIZED SIGNATURE:

Executive Engineer
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Hosadurga.

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ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ನಡವಳಿಗಳು

ವಿಷಯ: ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಯ ರೂ.12340.00 ಕೋಟಿಗಳ ಅಂದಾಜಿನಲ್ಲಿ ಪರಿಷ್ಕೃತ ಅಂದಾಜಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.

*****

ಓದಲಾಗಿದೆ :-

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ಪ್ರಸ್ತಾವನೆ :-

ಮೇಲೆ ಓದಲಾದ(1) ಸರ್ಕಾರದ ಆದೇಶದಲ್ಲಿ, ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆ ಹಂತ-I (ಉದ್ದೇಶಿತ ಏತ ನೀರಾವರಿ ಯೋಜನೆ ಸೇರಿದಂತೆ) ಯೋಜನೆಯನ್ನು ಸ್ಕೀಂ-ಎ ಅಡಿಯಲ್ಲಿ 23 ಟಿ.ಎಂ.ಸಿ ನೀರಿನ ಬಳಕೆಯೊಂದಿಗೆ (ಭದ್ರಾ ನದಿಯಿಂದ 10 ಟಿ.ಎಂ.ಸಿ ನೀರು ಮತ್ತು ತುಂಗಾ ಅಣೆಕಟ್ಟು ನಾಲೆಗಳು, ಭದ್ರಾ ಅಣೆಕಟ್ಟು ನಾಲೆಗಳು ಮತ್ತು ವಿಜಯನಗರ ನಾಲೆಗಳ ಅಧುನೀಕರಣದಿಂದ ಉಳಿತಾಯವಾಗುವ 13.00 ಟಿ.ಎಂ.ಸಿ ನೀರು) ರೂ.2813.00 ಕೋಟಿಗಳ ಅಂದಾಜಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆಯನ್ನು ನೀಡಿ ಅನುಷ್ಠಾನಕ್ಕಾಗಿ ಯೋಜನೆಯನ್ನು ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತಕ್ಕೆ ಹಸ್ತಾಂತರಿಸಲಾಗಿರುತ್ತದೆ.

ಮೇಲೆ ಓದಲಾದ(2) ಸರ್ಕಾರದ ಆದೇಶದಲ್ಲಿ, ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆ ಹಂತ-Iರ ಮಾರ್ಪಾಡಿತ ಅಂದಾಜು ಮೊತ್ತವಾದ ರೂ.5985.00 ಕೋಟಿಗಳಿಗೆ ತಾತ್ವಿಕ ಅನುಮೋದನೆಯನ್ನು ನೀಡಲಾಗಿದೆ. ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆ ಹಂತ-Iರ ಮೊದಲನೆ ಹಂತದಲ್ಲಿ, ನೀರಾವರಿ ಭಾಗದ ಕಾಮಗಾರಿಗಳನ್ನು ತುರ್ತಾಗಿ ಕೈಗೊಂಡು ಪೂರ್ಣಗೊಳಿಸುವ ಹಿತದೃಷ್ಟಿಯಿಂದ, ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತದ ನಿರ್ದೇಶಕರ ಮಂಡಳಿ ಮತ್ತು ತಾಂತ್ರಿಕ ಉಪ ಸಮಿತಿಯಿಂದ ವಿಧಿಸಲಾಗಿರುವ ಷರತ್ತುಗಳಿಗೆ ಮತ್ತು ಮುಂದೆಯೂ ಸಹ ವಿಧಿಸಬಹುದಾದ ಷರತ್ತುಗಳಿಗೆ ಮತ್ತು ಕಾಲ ಕಾಲಕ್ಕೆ ಸಕ್ಷಮ ಪ್ರಾಧಿಕಾರದ ಅನುಮತಿಯನ್ನು ಪಡೆದು ಅದರಂತೆ ಮುಂದುವರೆಯುವ ಷರತ್ತಿಗೆ ಒಳಪಟ್ಟು ಸರ್ಕಾರದ ಅನುಮೋದನೆಯನ್ನು ನೀಡಲಾಗಿತ್ತು.

ಮೇಲೆ ಓದಲಾದ (3)ರ ಪತ್ರದಲ್ಲಿ, ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತ, ರವರು, "ಒಂದೇ ಹಂತದಲ್ಲಿ" ಅನುಷ್ಠಾನಗೊಳಿಸಲು ರೂ.12340.00 ಕೋಟಿಗಳ ಮೊತ್ತದ ಸಮಗ್ರ ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಯ ಪರಿಷ್ಕೃತ ವಿವರವಾದ ಯೋಜನಾ ವರದಿಯನ್ನು ತಯಾರಿಸಿದ್ದು, ಇದಕ್ಕೆ ದಿನಾಂಕ-5/12/2013 ಮತ್ತು 8/1/2014ರಂದು ಜರುಗಿದ ನಿಗಮದ 2ನೇ ಮತ್ತು 3ನೇ ಅಂದಾಜು ಪರಿಶೀಲನಾ ಸಮಿತಿ ಸಭೆಯಲ್ಲಿ ಮಂಡಿಸಿ ತೀರುವಳಿ ಪಡೆದಿದ್ದು, ಸಮಿತಿಯು ಪರಿಷ್ಕೃತ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆಗಾಗಿ ಸರ್ಕಾರಕ್ಕೆ ಸಲ್ಲಿಸಲು ತಿಳಿಸಿರುವುದಾಗಿ ತಿಳಿಸಿರುತ್ತಾರೆ. ಇದರನ್ವಯ, ಸಮಗ್ರ ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಯ ವಿವರವಾದ ಯೋಜನಾ ವರದಿಯನ್ನು ದಿನಾಂಕ.24.01.2014 ರಂದು ಜರುಗಿದ ನಿಗಮದ 62ನೇ ನಿರ್ದೇಶಕರ ಮಂಡಳಿಯ ಸಭೆಯಲ್ಲಿ ಅನುಮೋದನೆಗಾಗಿ ಮಂಡಿಸಲಾಗಿದ್ದು ಚರ್ಚೆಯ ನಂತರ, ನಿಗಮದ ಅಂದಾಜು ಪರಿಶೀಲನಾ ಸಮಿತಿಯ ಶಿಫಾರಸ್ಸಿನಂತೆ ರೂ.12340.00 ಕೋಟಿಗಳ ಮೊತ್ತದ ಸಮಗ್ರ ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಯ ಪರಿಷ್ಕೃತ ವಿವರವಾದ ಯೋಜನಾ ವರದಿಯನ್ನು ಮಂಡಳಿಯು ಅನುಮೋದಿಸಿ, ಸರ್ಕಾರದ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆಗೆ ಸಲ್ಲಿಸಲು ಶಿಫಾರಸ್ಸು ಮಾಡಿದೆ ಎಂದು ವರದಿ ಮಾಡಿರುತ್ತಾರೆ.

...2...

ಈ ಒಡ್ಡೆಯಲ್ಲಿ ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತ, ಇವರು ಚಿಕ್ಕಬಳ್ಳಾಪುರ, ಚಿತ್ರದುರ್ಗ, ರಾಮನಗರ ಮತ್ತು ತುಮಕೂರು ಜಿಲ್ಲೆಗಳ 2.25.515 ಪ. ಪ್ರದೇಶಕ್ಕೆ ಸೂಕ್ಷ್ಮ ನೀರಾವರಿ ಪದ್ಧತಿಯನ್ನು ಅಳವಡಿಸಿಕೊಂಡು 19.04 ಟಿ.ಎಂ.ಸಿ. ನೀರಿನ ಬಳಕೆಯೊಂದಿಗೆ ಚಿತ್ರದುರ್ಗ ಶಾಖಾ ಕಾಲುವೆ, ಜಗಳೂರು ಶಾಖಾ ಕಾಲುವೆ, ತರೀಕೆರೆ ಮತ್ತ ಹಾಗೂ ಗುರುತ್ವ ಕಾಲುವೆ ಮತ್ತು ತುಮಕೂರು ಶಾಖಾ ಕಾಲುವೆಗಳನ್ನು ನಿರ್ಮಿಸಿ, ಇದರಡಿಯಲ್ಲಿ ನೀರಾವರಿ ಸೌಲಭ್ಯ ಕಲ್ಪಿಸಲು ಮತ್ತು ಈ ಜಿಲ್ಲೆಗಳಲ್ಲಿನ 367 ಸಣ್ಣ ನೀರಾವರಿ ಕೆರೆಗಳನ್ನು 8.86 ಟಿ.ಎಂ.ಸಿ. ನೀರನ್ನು ಬಳಸಿಕೊಂಡು ತುಂಬಿಸಲು ಮತ್ತು ವಾಣಿವಿಲಾಸ ಸಾಗರಕ್ಕೆ 2.00 ಟಿ.ಎಂ.ಸಿ. ನೀರು ತುಂಬಿಸುವ ಒಟ್ಟಾರೆ 29.90 ಟಿ.ಎಂ.ಸಿ. ನೀರಿನ ಬಳಕೆಯ ರೂ.12340.00 ಕೋಟಿಗಳ ಮೊತ್ತಕ್ಕೆ (2012-13ರ ದರಪಟ್ಟಿಯಂತೆ) ಕಾರ್ಯಾನುಷ್ಠಾನಗೊಳಿಸಲಾಗಿರುವ ಸಮಗ್ರ ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಯ ಪರಿಷ್ಕೃತ ಯೋಜನಾ ವರದಿಯನ್ನು ಆರ್ಥಿಕ ಇಲಾಖೆಯ ಅನುಮೋದನೆಗಾಗಿ ಸರ್ಕಾರಕ್ಕೆ ಸಲ್ಲಿಸಿರುತ್ತಾರೆ.

ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತ, ಬೆಂಗಳೂರು ರವರು ಸಲ್ಲಿಸಿರುವ ಪ್ರಸ್ತಾವನೆಯನ್ನು ಪರಿಶೀಲಿಸಲಾಗಿದ್ದು, ಈ ಕೆಳಗಿನಂತೆ ಆದೇಶವನ್ನು ಹೊರಡಿಸಲಾಗಿದೆ.

ಸರ್ಕಾರಿ ಆದೇಶ ಸಂ: ಜಸಂಯೋ 53 ಬಿಡ್ಡಿಂಗ 2014, ಬೆಂಗಳೂರು, ದಿನಾಂಕ: 06.03.2015

ಸೂಕ್ಷ್ಮ ನೀರಾವರಿ ಪದ್ಧತಿಯನ್ನು ಅಳವಡಿಸಿಕೊಂಡು 2,25,515ಹೆ ಪ್ರದೇಶಕ್ಕೆ ನೀರಾವರಿ ಕಲ್ಪಿಸಲು ಮತ್ತು 367 ಸಣ್ಣ ನೀರಾವರಿ ಕೆರೆಗಳನ್ನು ಅವುಗಳ ಸಾಮರ್ಥ್ಯದ ಶೇ.50 ರಷ್ಟು ತುಂಬಿಸಲು ಮತ್ತು ತುಮಕೂರು ಶಾಖಾ ಕಾಲುವೆ ಮುಖಾಂತರ 2 -ಟಿಎಂಸಿ ನೀರನ್ನು ವಾಣಿವಿಲಾಸ ಸಾಗರಕ್ಕೆ ಹರಿಸುವ ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಯ ರೂ.12,340.00 ಕೋಟಿ ಮೊತ್ತದ ಪರಿಷ್ಕೃತ ವಿವರವಾದ ಯೋಜನಾ ವರದಿಗೆ ಸರ್ಕಾರದ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆಯನ್ನು ನೀಡಲಾಗಿದೆ.

ಮುಂದುವರೆದು, ಸದರಿ ಯೋಜನೆಯನ್ನು ರಾಷ್ಟ್ರೀಯ ಯೋಜನೆಯೆಂದಾಗಿ ಪರಿಗಣಿಸಲು ಕೇಂದ್ರ ಸರ್ಕಾರಕ್ಕೆ ಪ್ರಸ್ತಾವನೆ ಸಲ್ಲಿಸುವುದು ಹಾಗೂ ಪರಿಷ್ಕೃತ ಯೋಜನಾ ವರದಿಯಲ್ಲಿನ ಅವಶ್ಯವಿರುವ ತಕ್ಕು ಕಾಮಗಾರಿಗಳನ್ನು ತೆಗೆದುಕೊಳ್ಳುವ ಬಗ್ಗೆ ಕ್ರಮವಹಿಸುವುದು ಎಂದು ಆದೇಶಿಸಲಾಗಿದೆ.

ಈ ಆದೇಶವನ್ನು ಆರ್ಥಿಕ ಇಲಾಖೆಯ ಟಿಪ್ಪಣಿಸಂಖ್ಯೆ: FD 596 FC-1/2014 ದಿನಾಂಕ 22.11.2014 ಹಾಗೂ ಅ.ಟ. ಸಂಖ್ಯೆ: FD/PS/1974/2015, ದಿನಾಂಕ 24.01.2015 ರಲ್ಲಿ ನೀಡಿರುವ ಸಹಮತಿಯೊಂದಿಗೆ ಹೊರಡಿಸಲಾಗಿದೆ.

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆಜ್ಞಾನುಸಾರ
ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ,

6/3/2015

(ಕೆ.ಎಸ್. ನಾಗೇಶ)
ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ (ತಾಂತ್ರಿಕ-4),
ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ.

ಇವರಿಗೆ

1) ಪ್ರಧಾನ ಮಹಾಲೇಖಪಾಲರು (ಜಿ & ಎಸ್. ಎಸ್ ಎ), ಕರ್ನಾಟಕ, ಹೊಸ ಕಟ್ಟಡ, ಆಡಿಟ್ ಭವನ, ಅಂಚೆ ಪೆಟ್ಟಿಗೆ ಸಂಖ್ಯೆ:5398, ಬೆಂಗಳೂರು-560001.

3...

2) ಮಹಾಲೇಖಪಾಲರು (ಲೆಕ್ಕ ಪತ್ರ/ಲೆಕ್ಕ ಪರಿಶೋಧನೆ), ಕರ್ನಾಟಕ, ಬೆಂಗಳೂರು.

3) ಸರ್ಕಾರದ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಯವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ವಿಧಾನ ಸೌಧ, ಬೆಂಗಳೂರು.

4) ಸರ್ಕಾರದ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಯವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿ (ಸಚಿವ ಸಂಪುಟ ಶಾಖೆ), ವಿಧಾನ ಸೌಧ, ಬೆಂಗಳೂರು (ಸಚಿವ ಸಂಪುಟ ವಿಷಯ ಸಂಖ್ಯೆ:ಸಂ:04:2015, ದಿನಾಂಕ:08.01.2015ರ ಅನ್ವಯ ಹಾಗೂ ದಿನಾಂಕ 21.01.2015 ರಂದು ನಡೆದ ಸಚಿವ ಸಂಪುಟ ಸಭೆಯಲ್ಲಿಯ ನಿರ್ಣಯದನ್ವಯ).

5) ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಯವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ವಿಧಾನ ಸೌಧ, ಬೆಂಗಳೂರು.

6) ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿ ಹಾಗೂ ಅಭಿವೃದ್ಧಿ ಆಯುಕ್ತರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ವಿಧಾನ ಸೌಧ, ಬೆಂಗಳೂರು.

7) ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಗಳು, ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ ಇವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ವಿಕಾಸ ಸೌಧ, ಬೆಂಗಳೂರು.

8) ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಯವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಜೀವಿಶಾಸ್ತ್ರ ಇಲಾಖೆ, ಬಹುಮಹಡಿಗಳ ಕಟ್ಟಡ, ಬೆಂಗಳೂರು.

9) ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಗಳು, ಆರ್ಥಿಕ ಇಲಾಖೆ ಇವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ವಿಧಾನ ಸೌಧ, ಬೆಂಗಳೂರು.

10) ಸರ್ಕಾರದ ಕಾರ್ಯದರ್ಶಿಗಳು, ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ ಇವರ ಆಪ್ತ ಸಹಾಯಕರು, ವಿಕಾಸ ಸೌಧ, ಬೆಂಗಳೂರು.

11) ಮಾನ್ಯ ಜಲಸಂಪನ್ಮೂಲ ಸಚಿವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಯವರು, ವಿಧಾನ ಸೌಧ, ಬೆಂಗಳೂರು.

12) ಹೆಚ್ಚುವರಿ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿ ಮತ್ತು ಪದನಿಮಿತ್ತ ಸರ್ಕಾರದ ಉಪ ಕಾರ್ಯದರ್ಶಿಗಳು, ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ (ಆರ್ಥಿಕ ಕೋಶ), ವಿಧಾನಸೌಧ, ಬೆಂಗಳೂರು.

13) ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯ ಎಲ್ಲಾ ಉಪ ಕಾರ್ಯದರ್ಶಿಗಳು/ ವಿಶೇಷ ಕರ್ತವ್ಯಾಧಿಕಾರಿಗಳು/ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿಗಳು , ವಿಕಾಸ ಸೌಧ, ಬೆಂಗಳೂರು.

14) ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಜಲಸಂಪನ್ಮೂಲ ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆ / ಅಂತರರಾಜ್ಯ ಜಲ ವಿವಾದ, ಆನಂದ್ ರಾವ್ ವೃತ್ತ, ಬೆಂಗಳೂರು-9.

15) ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತ, ಕಾಫಿ ಬೋರ್ಡ್ ಕಟ್ಟಡ, ಬೆಂಗಳೂರು.

16) ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಕಬಿನಿ, ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆ, ಚಿತ್ರದುರ್ಗ.

17) ನಿರ್ದೇಶಕರು, ರಾಜ್ಯ ಪತ್ರಾಗಾರ ಇಲಾಖೆ, ವಿಕಾಸಸೌಧ ಬೆಂಗಳೂರು. 10 ಪ್ರತಿಗಳು.

18) ನಿರ್ದೇಶಕರು, ಪಬ್ಲಿಕ್ ಪ್ರೊಸಿಕ್ಯೂಷನ್ ಕೋರ್ಟ್, ಆನಂದರಾವ್ ವೃತ್ತ, ಬೆಂಗಳೂರು.

19) ಶಾಖಾ ರಕ್ಷಾ ಕಡತ/ಹೆಚ್ಚಿನ ಪ್ರತಿ.

TRANSLATED COPY

Government of Karnataka

Sub: Administrative approval for work estimates of Rs. 12,340 Crores for Upper Bhadra Project

Ref: (1) Government Order No. WRD 63 VBT 2000, dated 23.08.2003

(2) Government Order No. WRD 152 VBE 2001, Part-1, dated 15.09.2008

(3) The Managing Director, Karnataka Neeravari Nigam Ltd, Letter No: KNNL/UPBs A&B/2013-14/4496 dated 07.02.2014

PROPOSAL:-

Based on the above reference (1), under scheme –A, Upper Bhadra project phase-1 (including Ubrani Lift Irrigation Scheme) is granted administrative approval with Rs. 2813 Crores for utilizing 23 TMC water (10 TMC water from Bhadra River and remaining 13 TMC of water saved due to modernization of Vijayanagara, Tunga and Bhadra canals) and is been handed over to Karnataka Neeravari Nigam Ltd for project implementation.

With respect to above reference (2), Upper Bhadra project phase-1 is given in-principle approval for revised estimate of Rs. 5985 Crores. With the view of immediate implementation of irrigation works of Upper Bhadra project stage–1, Government has accorded revised administrative approval subject to fulfillment of conditions stated by the Board of Directors, Technical Sub Committee and Karnataka Neeravari Nigam Ltd from time to time.

Vide reference (3), above the Managing Director, Karnataka Neeravari Nigam Ltd has prepared a scheme for overall implementation of upper Bhadra project at a cost of Rs.12, 340 crores. The same has been revised during 2 and 3 estimates review committee meeting held on 5/12/13 and 8/1/14. The committee has recommended to the board of directors to submit the same to the government towards obtaining administrative approval, hence the DPR for the Upper Bhadra Project was placed at the board of directors' 62nd meeting held on 24.01.2014. In the said meeting, as per the recommended action of the estimates review committee, the DPR for Rs 12340 Crores for integrated Upper Bhadra Project has been approved by the Nigam and the same has been submitted to the government for the administrative approval.

....2..

In the light of same Managing Director, Karnataka Neeravari Nigam Ltd has proposed to irrigate 2,25,215Ha of land using micro irrigation in Chikamagalur, Chitradurga, Davangere and Chitradurga branch canals, Jagalur branch canal, Tarikere lift as well as gravity canal and Tumkur branch canals. The detailed project report for the Upper Bhadra Project, involving total water utilization of 29.9 TMC at the cost of Rs. 12, 340 Crores (2012-13 estimates). The project proposes micro irrigation scheme for 2,25,215 Ha of land in Chikamagalur, Chitradurga, Davangere and Tumkur, utilizing 19.04 TMC water and construction of Chitradurga branch canals, Jagalur branch canal, Tarikere lift, Gravity canal and Tumkur branch canals. In addition Under this project, along with proposed irrigation facility, filling up of 367 Minor Irrigation tanks using 8.86 TMC water in the above mentioned districts as well as supplying 2 TMC water to Vanivilas Sagar has been proposed. The said DPR has been submitted to the Government by the Managing Director, Karnataka Neeravari Nigam Ltd seeking administrative approval.

Examining the proposal submitted by the Managing Director, Karnataka Neeravari Nigam Ltd, the following order is issued.

Govt. Order No: WRD 53 VBE 2014, Bangalore Date: 06.03.2015

The Government hereby accords revised administrative approval to the Upper Bhadra Project, which proposes to irrigate 2,25,215Ha Land using micro irrigation, filling up of 367 MI tanks to 50% of their capacity and supplying 2 TMC of water to Vanivilas Sagar through the Tumkur branch canal.

In continuation, it is also hereby ordered to submit a proposal to have this project declared a 'National Project' to the Central Government as well as take steps to commence any emergency works at the earliest.

This order has been issued with the approval of Finance Department vide circular No. FD 596 FC-1/2014 dated 22.11.2014 and F.D/PS/1974/2015 dated 24.01.2015.

By and order in the name of
Governor of Karnataka
Sd/-
(K. S. Nagaraja)
Under Secretary to the Government (Technical-4)
Water Resource Department

To

1. The Chief Principal Accountant General (G and S.S.A), Karnataka, new building, audit bhavan, Post box No.5398, Bangalore-560001.

...3...

2. The Principal Accountant General, Karnataka, Bangalore.
3. The Personal Secretary to the Chief Secretary ,Vidhana Soudha Bangalore,
4. The Personal Secretary to the Chief Secretary (Cabinet Committee),Vidhana Soudha Bangalore, (Subject no: C.04/2014, dated 08.01.2015 regarding and as approved by the Cabinet Committee meeting dated 21.01.2015).
5. The Personal Secretary to the Additional Chief Secretary ,Vidhana Soudha Bangalore
6. The Personal Secretary to the Additional Chief Secretary and Development Commissioner Vidhana Soudha Bangalore,
7. The Personal Secretary to the Additional Chief Secretary Water Resource Department. Vikasa Soudha Bangalore
8. The Personal Secretary to the Principal Secretary. Environment, Forest and Ecology department. M.S building Bangalore.
9. The Personal Secretary to the Principal Secretary, Finance Department Vidhana Soudha Bangalore
10. The Personal Secretary to the Secretary Water Resource Department. Vikasa Soudha Bangalore
11. The Personal Secretary to the Hon'ble minister for Water Resource Department, Vidhana Soudha Bangalore.
12. The Special Officer and Deputy Secretary to the Government, Finance Department (PWD, Treasury), Vidhana Soudha, Bangalore.
13. All Deputy Secretary / Special Duty Officer/ Under Secretary, Water Resource Department. Vikasa Soudha Bangalore
14. The Chief Engineer, Water Resource Development Board. Anandrao Circle, Bangalore.
15. The Managing Director, Karnataka Neeravari Nigam Ltd, Coffee Board, Bangalore
16. The Chief Engineer, Karnataka Neeravari Nigam Ltd, Upper Bhadra Project, Chitradurga.
17. The Director, State Gazette Department, Bangalore.
18. The Director. Centre for Geometric, Anandrao Circle, Bangalore.
19. Guard file / additional copies.

ANNEXURE – 2
Map showing alternative analysis of the proposed alignment of TBC in Bukkapatna Chinkara WLS

N

BUKKAPATNA STATE FOREST

ALTERNATE-3
Length=20.35 Km

BUKKAPATNA STATE FOREST

BUKKAPATNA FOREST=7.547 Km

AP-495 156+657
AP-497 157+118
AP-499 158+506
AP-500 158+834
AP-501 159+327
AP-493 155+675
AP-494 156+143
AP-496 156+875
AP-498 157+362
TAIL END 159+684
AP-490 154+350
154+562
AP-492 155+366
AP-491 154+851
AP-489 154+161
AP-488 154+012
AP-487 153+785
AP-486 153+578
AP-485 153+305
AP-484 153+080
AP-483 152+775
AP-482 152+652
AP-481 152+601
AP-480 152+436
AP-479 152+164
AP-478 151+931
AP-477 151+617
AP-476 151+227
AP-475 150+744
AP-474 150+372
AP-473 149+605
AP-472 149+180
AP-471 148+646
AP-470 148+109
AP-469 147+630
AP-468 146+865
AP-467 145+952
AP-466 144+925
AP-465 143+497
AP-464 143+156
AP-463 142+749
AP-462 142+606
AP-461 142+314
AP-460 142+144
AP-459 141+992
AP-458 141+759
AP-457 141+590
AP-456 140+506
AP-455 137+890

ALTERNATE-2
Length=11.54 Km

ALTERNATE-3
Length=20.35 Km

TBC TAILEND TO
KALLAMBELLA TANK

ALTERNATE-1 Length=10.84 Km

TUNNEL
0.714 Km

TUMKUR BRANCH CANAL

BUKKAPATNA STATE FOREST

Executive Engineer
V.J.N.L. U.B.P. Division No. 4
Hosadurga

Diversion of 50.82 Ha of forest land belonging to Bukkapatna Chinkara Wildlife Sanctuary for the construction of Tumkur Branch Canal, Upper Bhadra Project in Tumkur District, Karnataka
Map Showing the three alternatives alighments for the proposed project

CLIENT	VISVESVARAYA JALA NIGAM LIMITED (A GOVERNMENT OF KARNATAKA UNDERTAKING)
PROJECT	UPPER BHADRA PROJECT
TITLE	INDEX MAP OF UDUGERE & BUKKAPATNA STATE FOREST TUMKUR BRANCH CANAL
CONSULTANT	SECON PRIVATE LIMITED BANGALORE-560 066

SCALE
2500m 2000 1500 1000 500 0 2500m
1:50000 OR 2CM=1KM
CONTOUR INTERVAL 5 METRES (Contours are approximate)

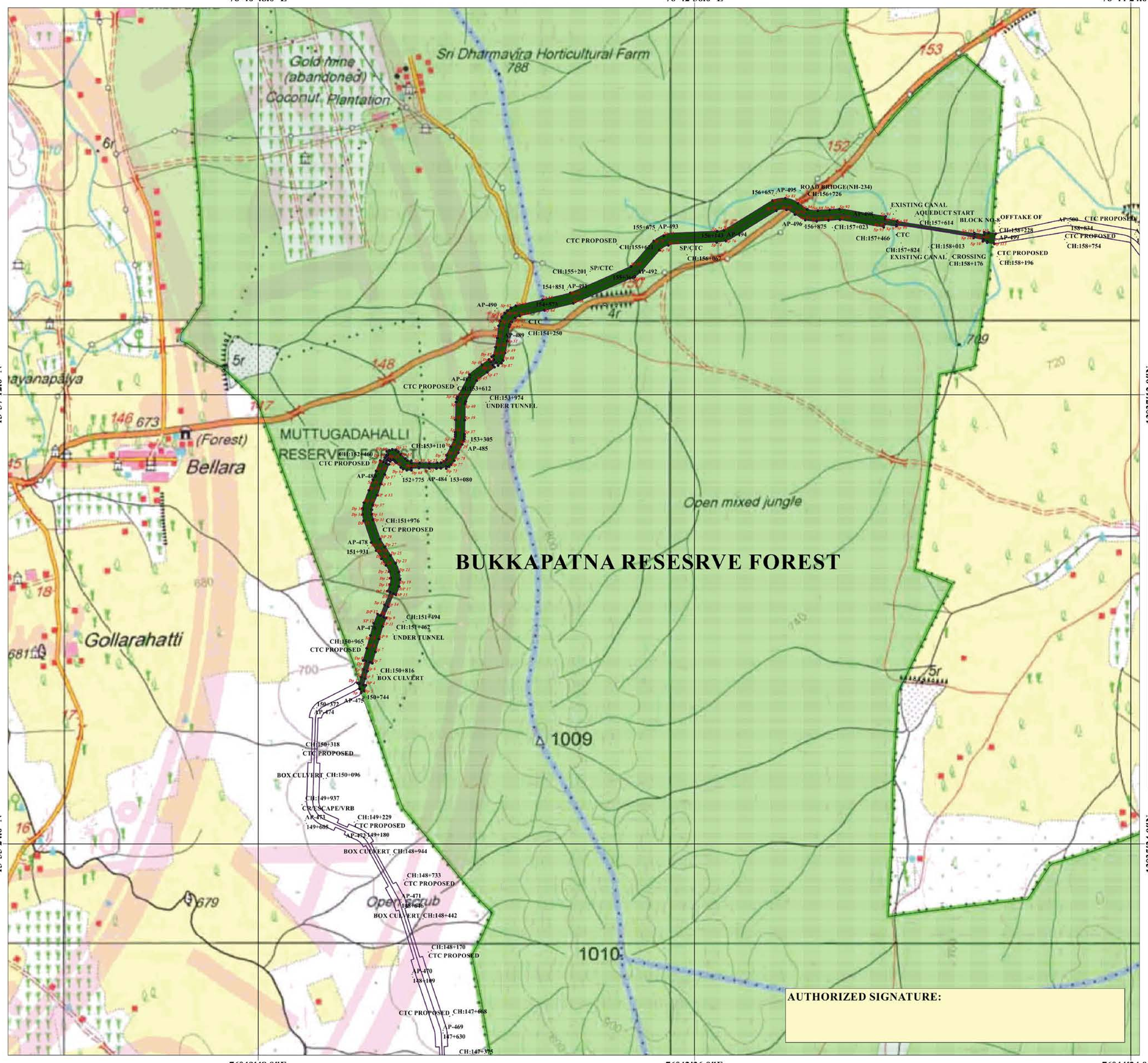
DRAWING NO.	SHEET NO	REV.
VJNL/UBP/TBC/RF/INDEX MAP–01	01 OF 01	00

ANNEXURE – 3
SoI Toposheet showing the alignment of TBC in Bukkapatna Chinkara WLS and mitigation measures

76°40′48.0″E 76°42′36.0″E 76°44′24.0″E

13°37′12.0″N

13°35′24.0″N



Diversion of 50.82 Ha of forest land belonging to Bukkapatna Chinkara Wildlife Sanctuary for the construction of Tumkur Branch Canal, Upper Bhadra Project in Tumkur District, Karnataka

Map showing the alighments passing through the Bukkapatna Chinkara Wildlife Sanctuary

N W E S

200 0 200 400 600 800 m

Scale	BASE MAP:
1:10000	SURVEY OF INDIA TOPOSHEET

FOREST LAND REQUIRED FOR DIVERSION TO THE CONSTRUCTION OF TUMKUR BRANCH CANAL UNDER UPPER BHADRA PROJECT IN BUKKAPATNA RESERVE FOREST, SIRA TALUK, TUMKUR DISTRICT

Sr. No	Village Limits	Survey No	Chainage From	Chainage To	Length of canal in Mtrs.	Canal width in Mtrs.	Land Required in ha
1		10	150795	150791	50	70	0.27
2		10	150771	150944	173	35	0.60
3		10	150944	151209	355	70	2.49
4		10	151209	151357	58	33	0.18
5		37				4	0.02
6		39	151357	151483	126	5	0.04
7		37				32	0.4
8		37				80	0.50
9		33	151443	151533	50	10	0.05
10		37				10	0.04
11		33	151533	151574	41	10	0.04
12		33	151574	151710	136	70	0.95
13		37	151710	151892	182	10	0.18
14		33				50	0.71
15		37				60	1.09
16		33	151852	152034		10	0.18
17		35	152034	152423	389	70	2.72
18	BELLARA	33	152423	152570		20	0.28
19		35			147	50	0.74
20		35	152570	152694		15	0.04
21		33	152619	152749	38	35	0.95
22		33	152694	153029	25	30	0.08
23		33	153029	153219	190	70	1.33
24		33	152619	152749	130	40	0.52
25		32	152749	153078	329	80	0.53
26		32	153078	153973	895	70	6.27
27		32	153973	154050	77	30	0.08
28		32	154050	154225	225	80	1.8
29		32				72	0.81
30		ROAD	154225	154249	15	5	0.01
31		32				4	0.01
32		31	154240	154267		5	0.01
33		ROAD			27	71	0.19
34		31				77	0.08
35		ROAD	154267	154277	10	5	0.01
36		31	154277	154573	296	80	2.15
			TOTAL		3678		25.09

Sr. No	Village Limits	Survey No	Chainage From	Chainage To	Length of canal in Mtrs.	Canal width in Mtrs.	Land Required in ha
1	KANAVEERAMPURA	1	154571	150743	2170	80	17.36
			TOTAL		2170		17.36
1	BUDDIGUDDADAKAVALU	22	157733	157622	270	80	2.23
2		22	157922	157044	22	60	0.13
3		22				20	0.04
4		22	157044	157088	24	10	0.02
5		22				70	0.17
6		23	157868	157453	385	80	3.08
7		23	157351	157341	10	60	0.06
8		23	157363	158122	580	25	1.45
9		23	158123	158195	72	35	0.25
10		22	158195	158228	33	70	0.24
11		23	158228	158282	54	75	0.41
		TOTAL			1539		8.38
		TOTAL EXTENT IN BUKKAPATNA FOREST					50.81

GPRS COORDINATES IN DEGREE DECIMALS

Sl. No.	GPRS Point	Latitude	Longitude
1	Sp 1	13.603100°	76.687075°
2	Dp 1	13.603209°	76.687202°
3	DP 6	13.603652°	76.687481°
4	Dp 5	13.603670°	76.687255°
5	Sp 3	13.603652°	76.687374°
6	Sp 6	13.603345°	76.687225°
7	Dp 2	13.602180°	76.687083°
8	Dp 3	13.602873°	76.687240°
9	Sp 7	13.602820°	76.686669°
10	SP 8	13.603404°	76.688112°
11	SP 11	13.604225°	76.688389°
12	Dp 7	13.603890°	76.688126°
13	Dp 10	13.605158°	76.688686°
14	Sp 14	13.605832°	76.688980°
15	DP 13	13.606437°	76.689139°
16	DP 15	13.606830°	76.689479°
17	DP 17	13.607331°	76.689693°
18	Dp 15	13.607635°	76.689740°
19	Dp 21	13.608170°	76.689586°
20	Dp 23	13.608744°	76.689450°
21	Dp 23	13.609220°	76.689390°
22	DP 27	13.609814°	76.689242°
23	DP 25	13.610034°	76.689202°
24	Dp 31	13.610478°	76.689079°
25	Dp 33	13.611004°	76.688966°
26	Dp 36	13.612310°	76.688720°
27	Dp 37	13.612622°	76.688702°
28	SP 113	13.613303°	76.688386°
29	Sp 35	13.611801°	76.688190°
30	Sp 37	13.611820°	76.688700°
31	Dp 41	13.615353°	76.688980°
32	Dp 39	13.615420°	76.688708°
33	Dp 41	13.615624°	76.688698°
34	Dp 43	13.615724°	76.688989°
35	Dp 47	13.615744°	76.689080°
36	Dp 49	13.615977°	76.689678°
37	Dp 51	13.616020°	76.689450°
38	Dp 53	13.615702°	76.689240°
39	Dp 56	13.615620°	76.689325°
40	Dp 55	13.615612°	76.689041°
41	Dp 58	13.615436°	76.688451°
42	Dp 66	13.614595°	76.688402°
43	Dp 70	13.614170°	76.688294°
44	Dp 68	13.613959°	76.688107°
45	Dp 72	13.613720°	76.688000°
46	Dp 74	13.613500°	76.687900°
47	Dp 76	13.613327°	76.687800°
48	Sp 29	13.613305°	76.688040°
49	Sp 26	13.613980°	76.688255°
50	Sp 24	13.613980°	76.688202°
51	Sp 26	13.613980°	76.688557°
52	Dp 72	13.613200°	76.688202°
53	Dp 73	13.613070°	76.688202°
54	Dp 75	13.612939°	76.688202°
55	Dp 77	13.612808°	76.688202°
56	Dp 79	13.612678°	76.688202°
57	Dp 81	13.612547°	76.688202°
58	Dp 83	13.612417°	76.688202°
59	Dp 85	13.612286°	76.688202°
60	Dp 87	13.612156°	76.688202°
61	Dp 89	13.612025°	76.688202°
62	Dp 91	13.611895°	76.688202°
63	Dp 93	13.611764°	76.688202°
64	Dp 95	13.611634°	76.688202°
65	Dp 97	13.611503°	76.688202°
66	Dp 99	13.611373°	76.688202°
67	Dp 101	13.611242°	76.688202°
68	Dp 103	13.611112°	76.688202°
69	Dp 105	13.610981°	76.688202°
70	Dp 107	13.610851°	76.688202°
71	Dp 109	13.610720°	76.688202°
72	Dp 111	13.610590°	76.688202°
73	Dp 113	13.610459°	76.688202°
74	Dp 115	13.610329°	76.688202°
75	Dp 117	13.610198°	76.688202°
76	Dp 119	13.610068°	76.688202°
77	Dp 121	13.609937°	76.688202°
78	Dp 123	13.609807°	76.688202°
79	Dp 125	13.609676°	76.688202°
80	Dp 127	13.609546°	76.688202°
81	Dp 129	13.609415°	76.688202°
82	Dp 131	13.609285°	76.688202°
83	Dp 133	13.609154°	76.688202°
84	Dp 135	13.609024°	76.688202°
85	Dp 137	13.608893°	76.688202°
86	Dp 139	13.608763°	76.688202°
87	Dp 141	13.608632°	76.688202°
88	Dp 143	13.608502°	76.688202°
89	Dp 145	13.608371°	76.688202°
90	Dp 147	13.608241°	76.688202°
91	Dp 149	13.608110°	76.688202°
92	Dp 151	13.607980°	76.688202°
93	Dp 153	13.607849°	76.688202°
94	Dp 155	13.607719°	76.688202°
95	Dp 157	13.607588°	76.688202°
96	Dp 159	13.607458°	76.688202°
97	Dp 161	13.607327°	76.688202°
98	Dp 163	13.607197°	76.688202°
99	Dp 165	13.607066°	76.688202°
100	Dp 167	13.606936°	76.688202°
101	Dp 169	13.606805°	76.688202°
102	Dp 171	13.606675°	76.688202°
103	Dp 173	13.606544°	76.688202°
104	Dp 175	13.606414°	76.688202°
105	Dp 177	13.606283°	76.688202°
106	Dp 179	13.606153°	76.688202°
107	Dp 181	13.606022°	76.688202°
108	Dp 183	13.605892°	76.688202°
109	Dp 185	13.605761°	76.688202°
110	Dp 187	13.605631°	76.688202°
111	Sp 104	13.610660°	76.688202°
112	Sp 103	13.610530°	76.688202°
113	Sp 106	13.610399°	76.688202°
114	Sp 108	13.610269°	76.688202°
115	Sp 96	13.611719°	76.688202°
116	Sp 98	13.611589°	76.688202°
117	Sp 100	13.611458°	76.688202°
118	Sp 102	13.611328°	76.688202°
119	Sp 88	13.612198°	76.688202°
120	Sp 90	13.612068°	76.688202°
121	Sp 92	13.611937°	76.688202°
122	Sp 94	13.611807°	76.688202°
123	Sp 79	13.612676°	76.688202°
124	Sp 81	13.612546°	76.688202°
125	Sp 83	13.612415°	76.688202°
126	Sp 85	13.612285°	76.688202°
127	Sp 73	13.613154°	76.688202°
128	Sp 75	13.613024°	76.688202°
129	Sp 67	13.614417°	76.688202°
130	Sp 65	13.614287°	76.688202°
131	Sp 63	13.614157°	76.688202°
132	Sp 62	13.614026°	76.688202°
133	Sp 61	13.613896°	76.688202°
134	Sp 60	13.613765°	76.688202°
135	Sp 58	13.613635°	76.688202°
136	Sp 56	13.613504°	76.688202°
137	Sp 54	13.613374°	76.688202°
138	Sp 52	13.613243°	76.688202°
139	Sp 50	13.613113°	76.688202°
140	Sp 46	13.612982°	76.688202°
141	Dp 82	13.612220°	76.688202°
142	Dp 84	13.612351°	76.688202°
143	Dp 86	13.612481°	76.688202°
144	Dp 79	13.612742°	76.688202°
145	Sp 48	13.612960°	76.688202°
146	Sp 40	13.612130°	76.688202°
147	Sp 44	13.612352°	76.688202°
148	Sp 42	13.612720°	76.688202°
149	Sp 41	13.612890°	76.688202°
150	Sp 38	13.613060°	76.688202°
151	Sp 36	13.613230°	76.688202°
152	Sp 34	13.613400°	76.688202°
153	Sp 32	13.613570°	76.688202°
154	Sp 30	13.613740°	76.688202°
155	Sp 28	13.613910°	76.688202°
156	Sp 26	13.614080°	76.688202°
157	Dp 75	13.613690°	76.688202°
158	Dp 74	13.613480°	76.688202°
159	Dp 73	13.613264°	76.688202°
160	Dp 23	13.613481°	76.688202°
161	Dp 87	13.613597°	76.688829°
162	Dp 85	13.613512°	76.688829°
163	Dp 63	13.613731°	76.689180°
164	Dp 61	13.613850°	76.689180°
165	Dp 59	13.614020°	76.689180°
166	Dp 57	13.614122°	76.689180°
167	Dp 55	13.614280°	76.689180°
168	Dp 53	13.614450°	76.689180°
169	Dp 51	13.614620°	76.689180°
170	Sp 52	13.614790°	76.689180°
171	Dp 49	13.614960°	76.689180°
172	DP 50	13.615252°	76.688840°
173	Dp 48	13.615252°	76.688980°
174	Dp 46	13.615369°	76.688703°
175	Dp 44	13.615237°	76.688562°
176	Dp 42	13.615087°	76.688436°
177	Sp 18	13.614910°	76.688318°
178	Sp 16	13.614748°	76.687882°
179	Sp 14	13.614431°	76.687407°
180	Dp 10	13.614292°	76.687289°
181	Dp 8	13.614148°	76.687170°
182	Dp 6	13.614008°	76.687052°
183	Dp 4	13.613868°	76.686933°
184	Dp 11	13.614292°	76.687289°
185	Dp 9	13.614148°	76.687170°
186	Sp 22	13.614552°	76.688052°
187	Dp 26	13.614552°	76.688052°
188	Dp 28	13.614552°	76.688052°
189	Dp 30	13.614552°	76.688052°
190	Dp 32	13.614552°	76.688052°
191	DP 33	13.614552°	76.688052°
192	Dp 34	13.614552°	76.688052°
193	Dp 36	13.614552°	76.688052°
194	Dp 38	13.614552°	76.688052°
195	Sp 13	13.614552°	76.688052°
196	Dp 21	13.614552°	76.688052°
197	Dp 23	13.614552°	76.688052°
198	Dp 25	13.614552°	76.688052°
199	Dp 27	13.614552°	76.688052°
200	Dp 29	13.614552°	76.688052°
201	Dp 31	13.614552°	76.688052°
202	Dp 4	13.582203°	76.687179°
203	Sp 5	13.581654°	76.687224°
204	Sp 4	13.581177°	76.687364°
205	Dp 2	13.580718°	76.686948°
206	Dp 1	13.580743°	76.686422°
207	Sp 2	13.580553°	76.686953°

Legend

- Chainage
- GPS CO-ORDINATES
- Alignment
- BUKKAPATNA RESERVE FOREST
- BUKKAPATNA RESERVE FOREST (INSIDE ALIGNMENT)

Executive Engineer V.J.N.L. U.B.P. Division No. 4 Hosadurga

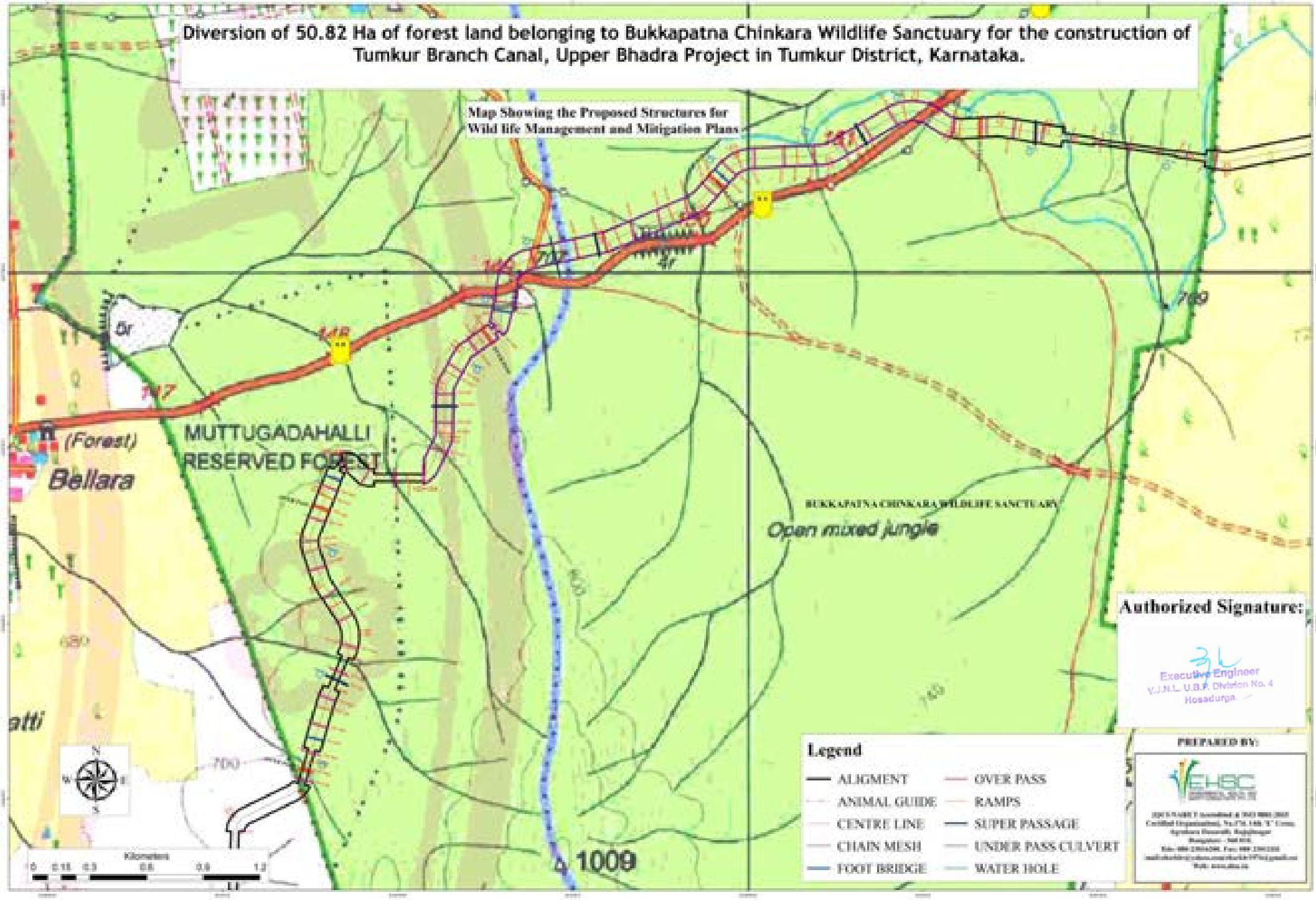
Prepared By:

EHSC ENVIRONMENTAL HEALTH AND SAFETY CONSULTANTS PVT. LTD.

[QCI-NABET Accredited & ISO 9001:2015 Certified Organization]
#174/New No.13/2,
14th E Cross, Industrial Town,
Agrahara Dasarahalli,
Bangalore - 560 044,

AUTHORIZED SIGNATURE:

Diversion of 50.82 Ha of forest land belonging to Bukkapatna Chinkara Wildlife Sanctuary for the construction of Tumkur Branch Canal, Upper Bhadra Project in Tumkur District, Karnataka.



ANNEXURE – 4
Geo-referenced village maps showing the alignment of TBC in Bukkapatna Chinkara WLS

FOREST LAND REQUIRED FOR DIVERSION TO CONSTRUCTION OF TUMKUR BRANCH CANAL UNDER UPPER BHADRA PROJECT IN BUKKAPATNA FOREST FROM CH:150+735 Km TO CH:154+673 Km

Sl. No.	Village name	Survey No.	Chainage From	Chainage To	Length of canal in Mtr.	Canal width in Mtrs	Land required in Ha.

Sl. No.	DETAILS	CHAINAGE	EASTING	NORTHING	LONGITUDE	LATITUDE
1	FOREST LAND	150+735.000	8535535.535	1504163.355	76° 41' 11.0994" E	13° 28' 1.1761" N
2	AP475	150+840.000	8535618.668	1504197.842	76° 41' 12.3671" E	13° 28' 1.5146" N
3	AP474	151+127.000	8535848.343	1504303.874	76° 41' 17.7533" E	13° 28' 10.3364" N
4	AP473	151+417.000	8536106.232	1504442.388	76° 41' 22.8943" E	13° 28' 19.7791" N
5	AP472	151+551.000	8536238.763	1504533.514	76° 41' 25.1885" E	13° 28' 24.6017" N
6	AP471	151+764.000	8536548.464	1504674.648	76° 41' 28.9479" E	13° 28' 44.0387" N
7	AP470	152+030.000	8536540.509	1504776.663	76° 41' 31.8205" E	13° 28' 32.3858" N
8	AP469	152+201.000	8537105.343	1504884.388	76° 41' 33.8884" E	13° 28' 37.3364" N
9	AP468	152+552.000	8537134.390	1505084.388	76° 41' 37.9757" E	13° 28' 37.7017" N
10	AP467	152+715.000	8537342.338	1505081.388	76° 41' 39.8881" E	13° 28' 44.5100" N
11	AP466	153+000.000	8537437.337	1505081.388	76° 41' 42.9317" E	13° 28' 44.5288" N
12	AP465	153+305.000	8537437.163	1505415.391	76° 41' 46.4027" E	13° 27' 1.4717" N
13	AP464	153+618.000	8537436.993	1505288.388	76° 41' 46.1867" E	13° 27' 16.3089" N
14	AP463	153+765.000	8537436.830	1505871.918	76° 41' 47.8838" E	13° 27' 16.3018" N
15	AP462	154+121.000	8537437.419	1506067.388	76° 41' 47.4027" E	13° 27' 25.4019" N
16	AP461	154+191.000	8537437.338	1506731.888	76° 41' 48.3352" E	13° 27' 25.4019" N
17	AP460	154+659.000	8537437.078	1506991.388	76° 41' 48.3987" E	13° 27' 31.5387" N

BUKKAPATNA STATE FOREST

BUKKAPATNA STATE FOREST

LAND WIDTH = 30m

LAND WIDTH =70m

LAND WIDTH =70 m

LAND WIDTH =35 m

TUMKUR BRANCH CANAL

AP-493 154+380

AP-492 154+673

AP-491 154+000

AP-490 153+827

AP-489 153+600

AP-488 153+400

AP-487 153+200

AP-486 153+000

AP-485 152+800

AP-484 152+600

AP-483 152+400

AP-482 152+200

AP-481 152+000

AP-480 151+800

AP-479 151+600

AP-478 151+400

AP-477 151+200

AP-476 151+000

AP-475 150+800

AP-474 150+735

Executive Engineer
U.B.P. Division No. 4
Hosadurga

CLIENT		VISVESVARAYA JALA NIGAM (A GOVT. OF KARNATAKA UNDER... BANGALORE - 560 001
PROJECT		UPPER BHADRA PROJECT
TITLE		LAND ACQUISITION PROPOSAL FOR CONSTI... OF TUMKUR BRANCH CANAL IN BUKKAPATNA FOREST FROM CH:150+735 Km TO 154+673 K... VILLAGE :BELLARA TALUK : CHIKKANAYA... DISTRICT : TUMKUR
CONSULTANT		SECON PRIVATE LIMITE... BANGALORE 560 068
SCALE 1:7920	SHEET NO. 01 OF 01	DRAWING No. VJNL/UBP/TBC/LAC

FORSET LAND REQUIRED FOR DIVERSTION TO CONSTRUCTION OF TUMKUR BRANCH CANAL UNDER UPPER BHADRA PROJECT IN BUKKAPATNA FOREST, CHIKKANAYAKANAHALLI & SIRA TALUK,TUMKUR DISTRICT.

Sl. No.	Village Limits	Survey No.	Chainage		Length of canal in Mtrs.	Canal width in Mtrs.	Land required in Ha
			From	To			
1	BUDHIGUDDADAKAVALU	29	156743	157022	279	80	2.23
2		43	157022	157044	22	60	0.13
3		43				20	0.04
4		42	157044	157068	24	10	0.02
5		33				70	0.17
6		33	157068	157453	385	80	3.08
7		33	157453	157543	90	40	0.36
8		33	157543	158123	580	25	1.45
9		33	158123	158175	72	35	0.25
10		33	158175	158228	33	70	0.23
11		33	158228	158282	54	75	0.41
TOTAL					1539.00		8.38

Sl. No.	DETAILS	CHAINAGE	EASTING	NORTHING	LONGITUDE	LATITUDE
1	AP498	156957.00	685940.894	1507795.467	76° 42' 58.0523" E	13° 37' 58.8487" N
2	AP499	156875.00	685823.186	1507674.356	76° 43' 4.0884" E	13° 37' 54.8662" N
3	AP500	157118.00	686064.811	1507692.422	76° 43' 12.1313" E	13° 37' 55.3984" N
4	AP501	157362.00	686305.601	1507652.288	76° 43' 20.1326" E	13° 37' 54.0370" N
5	FOREST END	156282.00	687215.5877	1507519.035	76° 43' 50.3751" E	13° 37' 49.4910" N

AP-498 156-957

AP-499 156-875

AP-500 157-118

AP-501 157-362

LAND WIDTH = 80m

LAND WIDTH = 35m

LAND WIDTH = 25m

LAND WIDTH = 30m

LAND WIDTH = 35m

LAND WIDTH = 70m

LAND WIDTH = 75m

FOREST LIMIT

Budhigudddakavalu Bukkapatna

AP-503 156-159

AP-504 156-122

LAND WIDTH = 95m

Executive Engineer
V.J.N.L. U.B.P. Division No. 4
Hosadurga.

CLIENT	VISVESVARAYA JALA NIGAM LIMITED (A GOVT. OF KARNATAKA UNDERTAKING) BANGALORE - 560 001	
PROJECT	UPPER BHADRA PROJECT	
TITLE	LAND ACQUISITION PROPOSAL FOR CONSTRUCTION OF TUMKUR BRANCH CANAL IN BUKKAPATNA FOREST FROM CH:156+743 Km TO 158+282 Km VILLAGE : BUDHIGUDDADAKAVALU TALUK : SIRA DISTRICT : TUMKUR	
CONSULTANT	SECON PRIVATE LIMITED BANGALORE-560 096	
SCALE 1:7920	SHEET NO. 01 OF 01	DRAWING No. VJNL/UBP/TBC/LAQ

FORSET LAND REQUIRED FOR DIVERSTION TO CONSTRUCTION OF TUMKUR BRANCH CANAL UNDER UPPER BHADRA PROJECT IN BUKKAPATNA FOREST, CHIKKANAYAKANAHALLI & SIRA TALUK,TUMKUR DISTRICT.

Sl. No	Village Limits	Survey No.	Chainage		Length of canal in Mtrs	Canal width in Mtrs	Land required in Ha
			From	To			
1	KANAVIRAMPURA	1	154573	156743	2170	80	17.36
				TOTAL	2170		17.36

Sl. No	DETAILS	CHAINAGE	EASTING	NORTHING	LONGITUDE	LATITUDE
1	AP494	154851.00	684065.245	1507055.461	76° 42' 5.4694" E	13° 37' 35.1311" N
2	AP495	155366.00	684535.998	1507264.705	76° 42' 21.1694" E	13° 37' 41.8321" N
3	AP496	155675.00	684738.135	1507499.154	76° 42' 27.9490" E	13° 37' 49.4143" N
4	AP497	156143.00	685204.626	1507523.734	76° 42' 43.4743" E	13° 37' 50.1073" N
5	AP498	156657.00	685640.894	1507795.467	76° 42' 58.0523" E	13° 37' 58.8487" N

BUKKAPATNA STATE FOREST

TUMKUR BRANCH CANAL

LAND WIDTH = 80m

LAND WIDTH = 35m

LAND WIDTH = 30m

AP-493 154+350

AP-495 154+910

AP-491 154+010

AP-496 155+675

AP-497 156+143

AP-498 156+657

AP-500 157+110

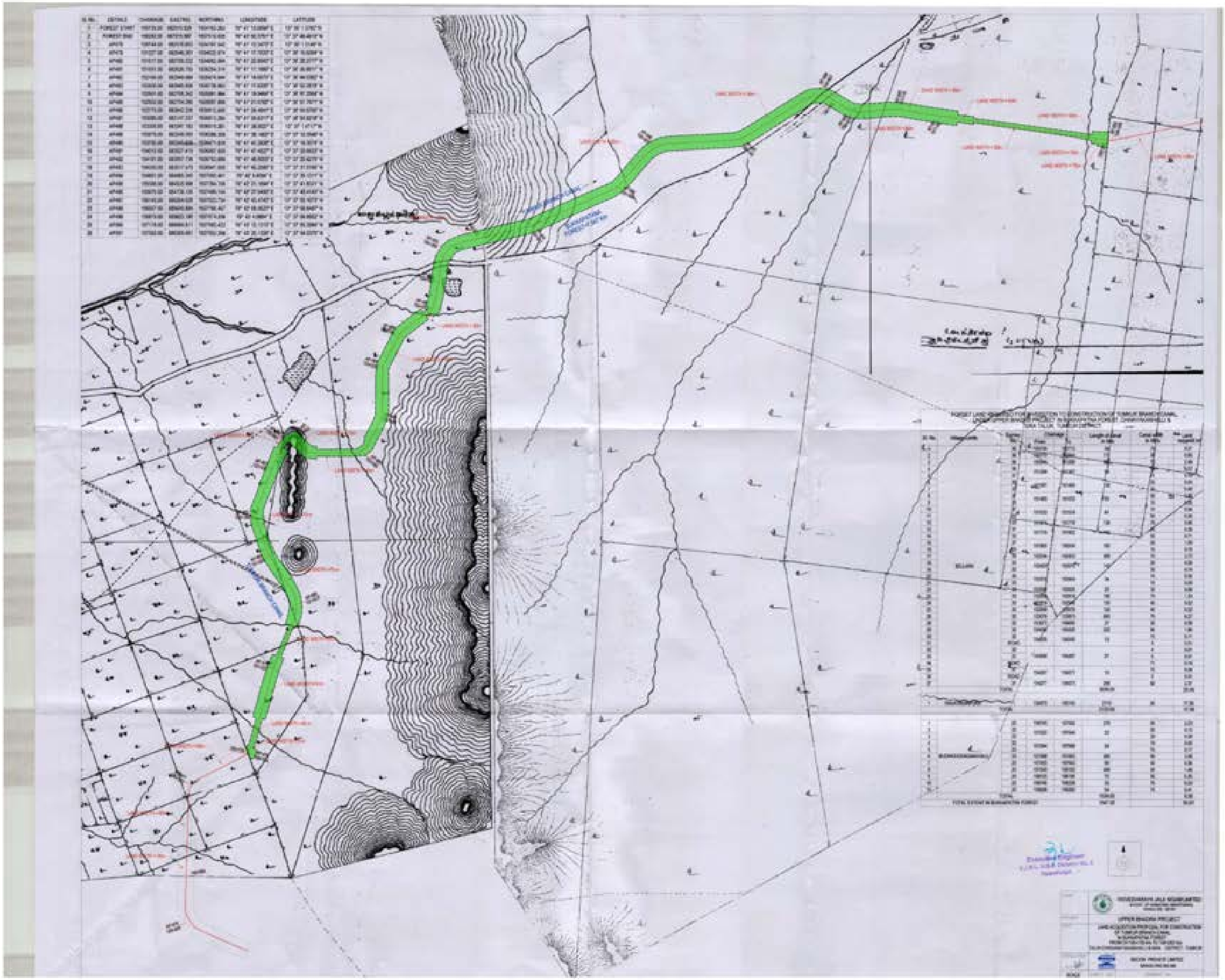
AP-501 157+360

Kanavirampura

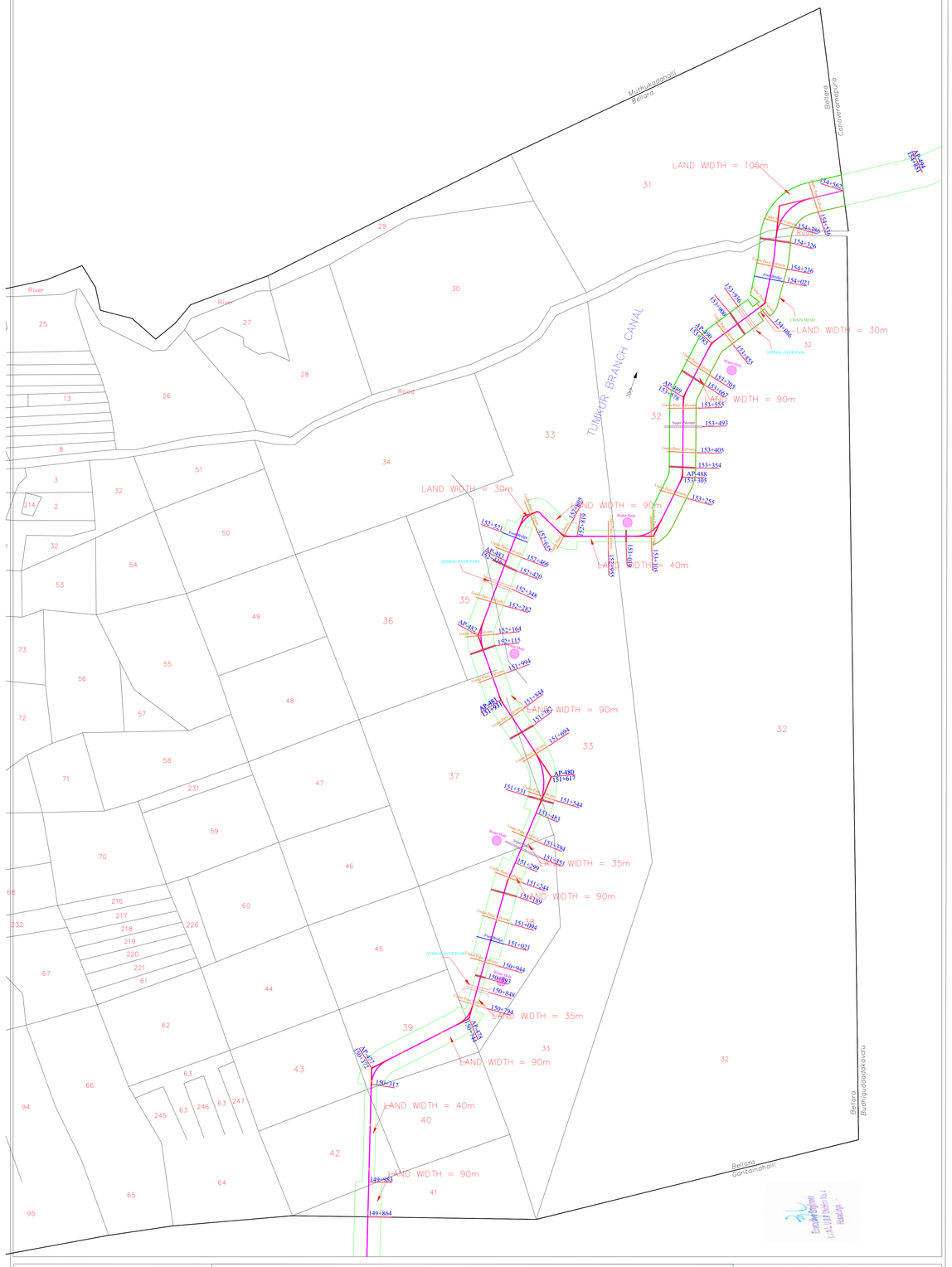
N

Executive Engineer
V.J.N.L. U.B.P. Division No. 4
Hosadurga.

CLIENT	VISVESVARAYA JALA NIGAM LIMITED (A GOVT. OF KARNATAKA UNDERTAKING) BANGALORE - 560 001	
PROJECT	UPPER BHADRA PROJECT	
TITLE	LAND ACQUISITION PROPOSAL FOR CONSTRUCTION OF TUMKUR BRANCH CANAL IN BUKKAPATNA FOREST FROM CH:154+573 Km TO 156+743 Km VILLAGE :KANAVIRAMPURA TALUK : SIRA DISTRICT : TUMKUR	
CONSULTANT	SECON PRIVATE LIMITED BANGALORE-560 099	
SCALE 1:7920	SHEET NO. 01 OF 01	DRAWING No. VJNL/UBP/TBC/LAQ



ANNEXURE – 5
Village maps showing TBC and mitigation measures

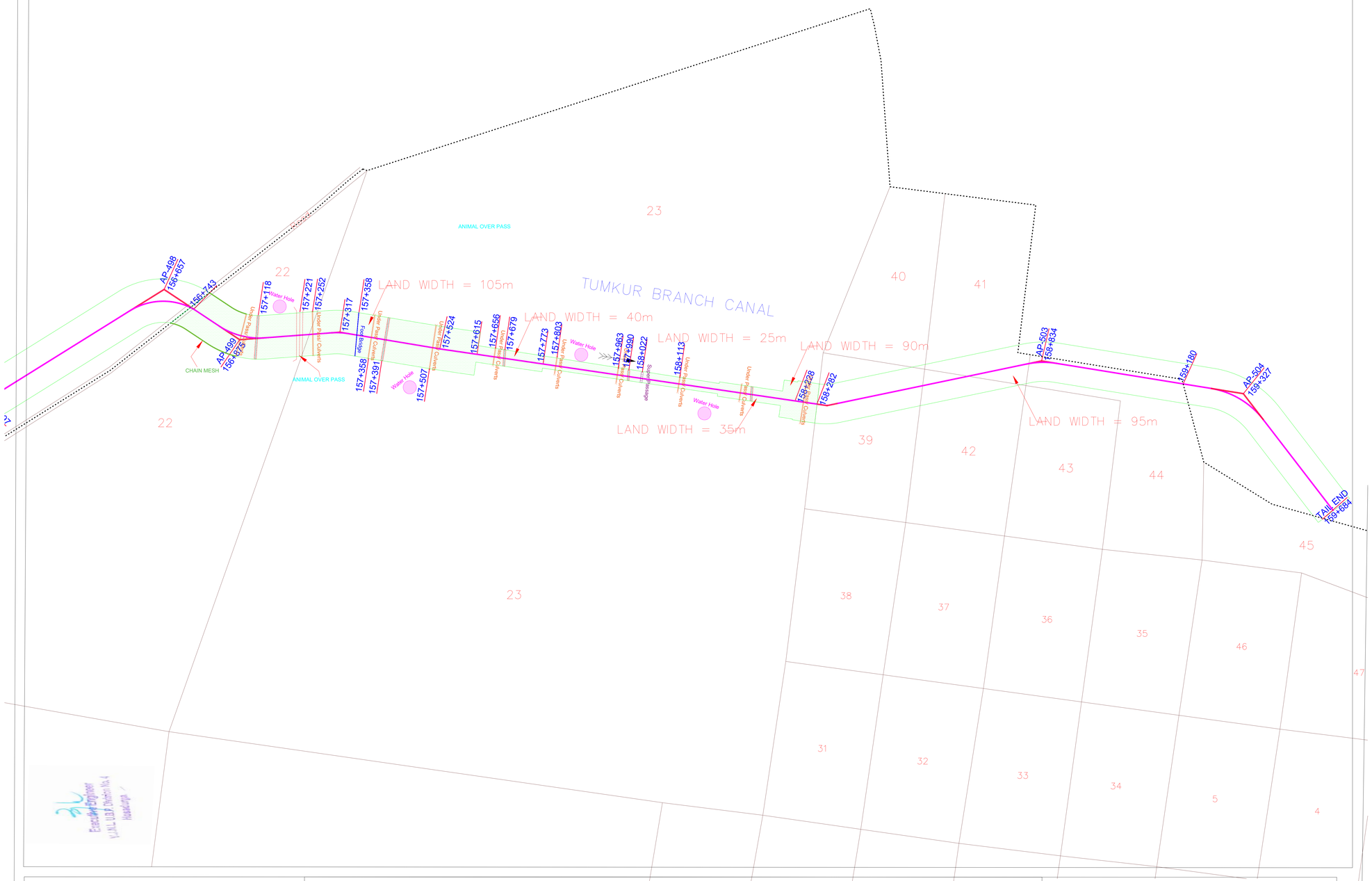


Project Name	LEGEND			
Diversion of 50.82 Ha of forest land belonging to Bukkapatna Chinkara Wildlife Sanctuary for the construction of Tumkur Branch Canal, Upper Bhadra Project in Tumkur District, Karnataka Village Map Showing the Proposed Structures for Wild Life Management and Mitigation Plan. Village: Bellara Taluka: Chikkanayakanahalli Ditsrict: Tumkuru	Under Pass/Culvert	Chain Mesh		
	Over pass/single lane Bridge	Ramp		
	Water hole	Foot Bridge		
	Super passage	Animal Guide		

PREPARED BY:

EHSC
ENVIRONMENTAL HEALTH AND SAFETY CONSULTANTS PVT. LTD.

[QCI-NABET Accredited & ISO 9001:2015 Certified Organization], No.174, 14th 'E' Cross, Agrahara Dasaralli, Rajajinagar Bangalore - 560 010.
Tele: 080-23016200. Fax: 080 23012111
:mail:ehscblr@yahoo.com/ehscblr1974@gmail.cor
Web: www.ehsc.in



Project Name
Diversion of 50.82 Ha of forest land belonging to Bukkapatna Chinkara Wildlife Sanctuary for the construction of Tumkur Branch Canal, Upper Bhadra Project in Tumkur District, Karnataka

Village Map Showing the Proposed Structures for Wild Life Management and Mitigation Plan.
Village: Budhiguddada Kavalu
Taluka: Sira
Ditsrict: Tumkuru

LEGEND

	Under Pass/Culvert		Chain Mesh
	Over pass/single lane Bridge		Ramp
	Water hole		Foot Bridge
	Super passage		Animal Guide

PREPARED BY:

EHSC
ENVIRONMENTAL HEALTH AND SAFETY CONSULTANTS PVT. LTD.
[QCI-NABET Accredited & ISO 9001:2015 Certified Organization], No.174, 14th 'E' Cross, Agrahara Dasaralli, Rajajinagar
Bangalore - 560 010.
Tele: 080-23016200. Fax: 080 23012111
Email:ehscblr@yahoo.com/ehscblr1974@gmail.com
Web: www.ehsc.in

Project Name

Diversion of 50.82 Ha of forest land belonging to Bukkapatna Chinkara Wildlife Sanctuary for the construction of Tumkur Branch Canal, Upper Bhadra Project in Tumkur District, Karnataka

Village Map Showing the Proposed Structures for Wild Life Management and Mitigation Plan.
Village: Kanavirampura
Taluka: Sira
Ditsrict: Tumkuru

LEGEND

	Under Pass/Culvert		Chain Mesh
	Over pass/single lane Bridge		Ramp
	Water hole		Foot Bridge
	Super passage		Animal Guide

PREPARED BY:

EHSC
ENVIRONMENTAL HEALTH AND SAFETY CONSULTANTS PVT. LTD.

[QCI-NABET Accredited & ISO 9001:2015 Certified Organization], No.174, 14th 'E' Cross, Agrahara Dasaralli, Rajajinagar
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Web: www.ehsc.in

Executive Engineer
V.J.N.L. U.B.P. Division No. 4
Hosadurga

ANNEXURE – 6

Compensatory Afforestation land suitability certificate, RTC mutation copy, SoI toposheet and village map showing CA land.

ANNEXURE

SUITABILITY CERTIFICATE OF AREA IDENTIFED FOR COMPENSATORY AFFORESTATION

Certified that, an area of 364.50 ha. of non–forest land Sy.No.343 of Varavukaval Village, Nayakanahatti Hobl,i Challakere taluk of Chitradurga District is identified for compensatory afforestation by the Executive Engineer, Karnataka Niravari Nigam Limited, Upper Bhadra Project , Hosadurga in lieu of the diversion of 111.57 ha. forest land for construction of Upper Bhadra Canal in Devaragudda RF, Jankal RF and Lakkihalli RF of Hosadurga Range, Chitradurga Forest Division, is suitable compensatory afforestation and it is adjoining to forest area. It is also suitable for management of point of view.

Deputy Conservator of Forests,
Chitradurga Division, chitradurga.

ತಹಸೀಲ್ದಾರ್ ರವರ ಕಾರ್ಯಾಲಯ,ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು,ಚಳ್ಳಕೆರೆ.

ನಂ:ಎಸ್.ಎಸ್.ಡಿ:ಸಿಆರ್:157/2010-11 ದಿನಾಂಕ:22.04.2016.

ಪಟ್ಟಣ ಪಂಚಾಯಿತಿ ಅಧಿಕಾರಿಗಳು,
ಚಳ್ಳಕೆರೆ ಪಟ್ಟಣ,
ಚಳ್ಳಕೆರೆ.

ಮಾನ್ಯರೇ,

ವಿಷಯ : ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು ನಾಯಕನಹಟ್ಟಿ ಹೋಬಳಿ ವರವು ಕಾವಲು ಗ್ರಾಮದ ಸ.ನ.ನಂ:343 ರಲ್ಲಿ 364-50 ಹೆಕ್ಟೇರ್ (901-00 ಎಕರೆ) ಜಮೀನನ್ನು ಪರಿಷಾರಕ್ಷಕ ನೆಮ್ಮದಿ ಕೋಶ ಬೆಳೆಸಲು ಅರಣ್ಯ ಇಲಾಖೆಗೆ ಹಸ್ತಾಂತರಿಸುವ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ : ಮಾನ್ಯ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು, ಚಿತ್ರದುರ್ಗ ರವರ ಅಧಿಕೃತ ಜ್ಞಾಪನ ಪತ್ರ ಸಂಖ್ಯೆ ಎಸ್.ಎಸ್.ಡಿ:ಸಿಆರ್:71/2009-10 ದಿನಾಂಕ:03.03.2016.

//

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಥರ್ಡ್ ಮೇಲ್ಕಂಡ ಯೋಜನೆಗಾಗಿ ಅರಣ್ಯ ಇಲಾಖೆಯ ಜಮೀನನ್ನು ಬಳಕೆ ಮಾಡಿರುವುದರಿಂದ ಪರ್ಯಾಯ ಅರಣ್ಯೀಕರಣಕ್ಕಾಗಿ ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು ನಾಯಕನಹಟ್ಟಿ ಹೋಬಳಿ ವರವು ಕಾವಲು ಗ್ರಾಮದ ಸ.ನ.ನಂ:343 ರಲ್ಲಿ 364-50 ಹೆಕ್ಟೇರ್ (901-00 ಎಕರೆ) ಜಮೀನನ್ನು ಪರಿಷಾರಕ್ಷಕ ನೆಮ್ಮದಿಕೋಶ ಬೆಳೆಸಲು ಅರಣ್ಯ ಇಲಾಖೆಗೆ ಹಸ್ತಾಂತರಿಸಿ ಪರ್ಯಾಯವಾಗಿ ಉಲ್ಲೇಖದ ಅಧಿಕೃತ ಜ್ಞಾಪನ ಪತ್ರದಲ್ಲಿ ಮಾನ್ಯ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು, ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ ರವರು ಆದೇಶಿಸಿರುತ್ತಾರೆ.

ಮಾನ್ಯ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳವರ ಆದೇಶದಂತೆ ಪರಿಷಾರಕ್ಷಕ ನೆಮ್ಮದಿಕೋಶ ಬೆಳೆಸಲು ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು ನಾಯಕನಹಟ್ಟಿ ಹೋಬಳಿ ವರವು ಕಾವಲು ಗ್ರಾಮದ ಸ.ನ.ನಂ:343 ರಲ್ಲಿ 364-50 ಹೆಕ್ಟೇರ್ ಜಮೀನಿನ ಬಗ್ಗೆ ನಕ್ಷೆಯೊಂದಿಗೆ ಹಾಗೂ ಮ್ಯುಟೇಷನ್ ದಾಖಲೆಯೊಂದಿಗೆ ಹಸ್ತಾಂತರಿಸಿದೆ.

ತಮ್ಮ ವಿಶ್ವಾಸಿ,
ತಹಸೀಲ್ದಾರ್.
ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು.

ಪ್ರತಿಯನ್ನು:
1)ಮಾನ್ಯ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು, ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ, ಚಿತ್ರದುರ್ಗ ರವರಿಗೆ ಮಾಹಿತಿಗಾಗಿ ಸಲ್ಲಿಸಿದೆ.
2)ಉಪ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿಗಳು, ಚಿತ್ರದುರ್ಗ ಉಪ ವಿಭಾಗ, ಚಿತ್ರದುರ್ಗ ರವರಿಗೆ ಮಾಹಿತಿಗಾಗಿ ಸಲ್ಲಿಸಿದೆ.
3)ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿಗಳು, ಕೆಎಸ್ಎಫ್ಎಲ್, ಯುಬಿಡಿ ವಿಭಾಗ ನಂ:4 ಕೆಪೆಕ್ಸ್ ಕಾಂಪೌಂಡ್, ಚಿತ್ರದುರ್ಗ

ಆ. ಇಂ	
ಪ. ಪ. ಅ	
ಅಧೀಕ್ಷಕ	
ವಿ. ನಿ	ಕ-2042

ತಹಸೀಲ್ದಾರ್
ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು

ತಹಸೀಲ್ದಾರ್ ರವರ ಕಾರ್ಯಾಲಯ,ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು,ಚಳ್ಳಕೆರೆ.

ಸಂ:ಎಲ್ ಎಸ್ ಡಿ:ಸಿಆರ್: /2010-11 ದಿನಾಂಕ:22.04.2016.

: ಕಛೇರಿ ಜ್ಞಾಪನೆಯ ಬಗ್ಗೆ :

ವಿಷಯ : ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು ತಾಯಕನಹಟ್ಟಿ ಹೋಬಳಿ ಪರಪ್ಪ ಕಾವಲು ಗ್ರಾಮದ ರಿ.ಸ.ನಂ:343 ರಲ್ಲಿ 364-50 ಹೆಕ್ಟೇರ್ (901-00 ಎಕರೆ) ಜಮೀನನ್ನು ಪರಿಹಾರಕ್ಕಾಗಿ ನೆಡು ತೋಪು ಬೆಳೆಸಲು ಅರಣ್ಯ ಇಲಾಖೆಗೆ ಹಸ್ತಾಂತರಿಸುವ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ : ಮಾನ್ಯ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು, ಚಿತ್ರದುರ್ಗ ರವರ ಅಧಿಕೃತ ಜ್ಞಾಪನ ಪತ್ರ ಸಂ:ಎಲ್ ಎಸ್ ಡಿ:ಎಲ್ ಕೆ:ಆರ್:71/2009-10 ದಿನಾಂಕ:03.03.2016.

//

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಗಾಗಿ ಅರಣ್ಯ ಇಲಾಖೆಯ ಜಮೀನನ್ನು ಬಳಕೆ ಮಾಡಿರುವುದರಿಂದ ಪರ್ಯಾಯ ಅರಣ್ಯೀಕರಣಕ್ಕಾಗಿ ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು ತಾಯಕನಹಟ್ಟಿ ಹೋಬಳಿ ಪರಪ್ಪ ಕಾವಲು ಗ್ರಾಮದ ರಿ.ಸ.ನಂ:343 ರಲ್ಲಿ 364-50 ಹೆಕ್ಟೇರ್ (901-00 ಎಕರೆ) ಜಮೀನನ್ನು ಪರಿಹಾರಕ್ಕಾಗಿ ನೆಡುತೋಪು ಬೆಳೆಸಲು ಅರಣ್ಯ ಇಲಾಖೆಗೆ ಹಸ್ತಾಂತರಿಸಿ ಪರ್ಯಾಯವಾಗಿ ಉಲ್ಲೇಖಿತ ಅಧಿಕೃತ ಜ್ಞಾಪನ ಪತ್ರದಲ್ಲಿ ಮಾನ್ಯ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು, ಚಿತ್ರದುರ್ಗ ಇವರು ಆದೇಶಿಸಿರುತ್ತಾರೆ.

ತಾಲ್ಲೂಕು	ಹೋಬಳಿ	ಗ್ರಾಮ	ಸ.ನಂ.	ವಿಸ್ತೀರ್ಣ	ಷರಾ
ಚಳ್ಳಕೆರೆ	ತಾಯಕನಹಟ್ಟಿ	ಪರಪ್ಪ ಕಾವಲು	343	364-50 ಹೆಕ್ಟೇರ್	

ಪ್ರಯುಕ್ತ ಈ ಕೆಳಕಂಡ ಚಕ್ಕುಬಂದಿ ಪರಿಧಿಯಲ್ಲಿ ಬರುವ ಜಮೀನನ್ನು ಪರ್ಯಾಯ ಅರಣ್ಯ ನೆಡುತೋಪು ಬೆಳೆಸಲು ಅರಣ್ಯ ಇಲಾಖೆಗೆ ಪಡಿಸಿ, ಮುಟೇಷನ್ ರಾಯಲ್ ಹಾಗೂ ನಕ್ಷೆಯೊಂದಿಗೆ ಹಸ್ತಾಂತರಿಸಿದೆ.

ಚಕ್ಕುಬಂದಿ

ಪೂರ್ವಕ್ಕೆ: ರ.ಸ.ನಂ:343ರ ಉಳಿದ ಪ್ರದೇಶ
ಪಶ್ಚಿಮಕ್ಕೆ: ಬೊಮ್ಮಕ್ಕನಾಗತಿಹಳ್ಳಿ ಗಡಿ
ಉತ್ತರಕ್ಕೆ: ರಿ.ಆರ್.ಬಿ.ಸಿ ಪ್ರದೇಶ
ದಕ್ಷಿಣಕ್ಕೆ: ಪಿಸ್ಸಾಳ ಗಡಿ

ಷರತ್ತುಗಳು

1)ಜಮೀನನ್ನು ಪರ್ಯಾಯಿಸುವ ಉದ್ದೇಶಕ್ಕೆ ಮಾತ್ರ ಬಳಕೆ ಮಾಡತಕ್ಕದ್ದು.
2)ಯೋಜನೆ ಉದ್ದೇಶಕ್ಕೆ ಎರಡು ವರ್ಷದೊಳಗೆ ಬಳಕೆ ಮಾಡತಕ್ಕದ್ದು.
3)ಸದರಿ ಜಮೀನಿನಲ್ಲಿ ಯಾವುದೇ ಅತಿಕ್ರಮಣವಾಗದಂತೆ ನೋಡಿಕೊಳ್ಳತಕ್ಕದ್ದು.
4)ಮೇಲ್ಕಂಡ ಯಾವುದೇ ಷರತ್ತುಗಳು ಉಲ್ಲಂಘನೆಯಾದಲ್ಲಿ ಯಾವುದೇ ಮುನ್ಸೂಚನೆ ನೀಡದೇ ಜಮೀನನ್ನು ಎಲ್ಲಾ ಪೂರಕಾದಗಳಿಂದ ಮುಕ್ತಗೊಳಿಸಿ ಸರ್ಕಾರದಲ್ಲಿ ವಿಲೀನಗೊಳಿಸಲಾಗುವುದು.

ಜಮೀನನ್ನು ಹಸ್ತಾಂತರಿಸುವವರು

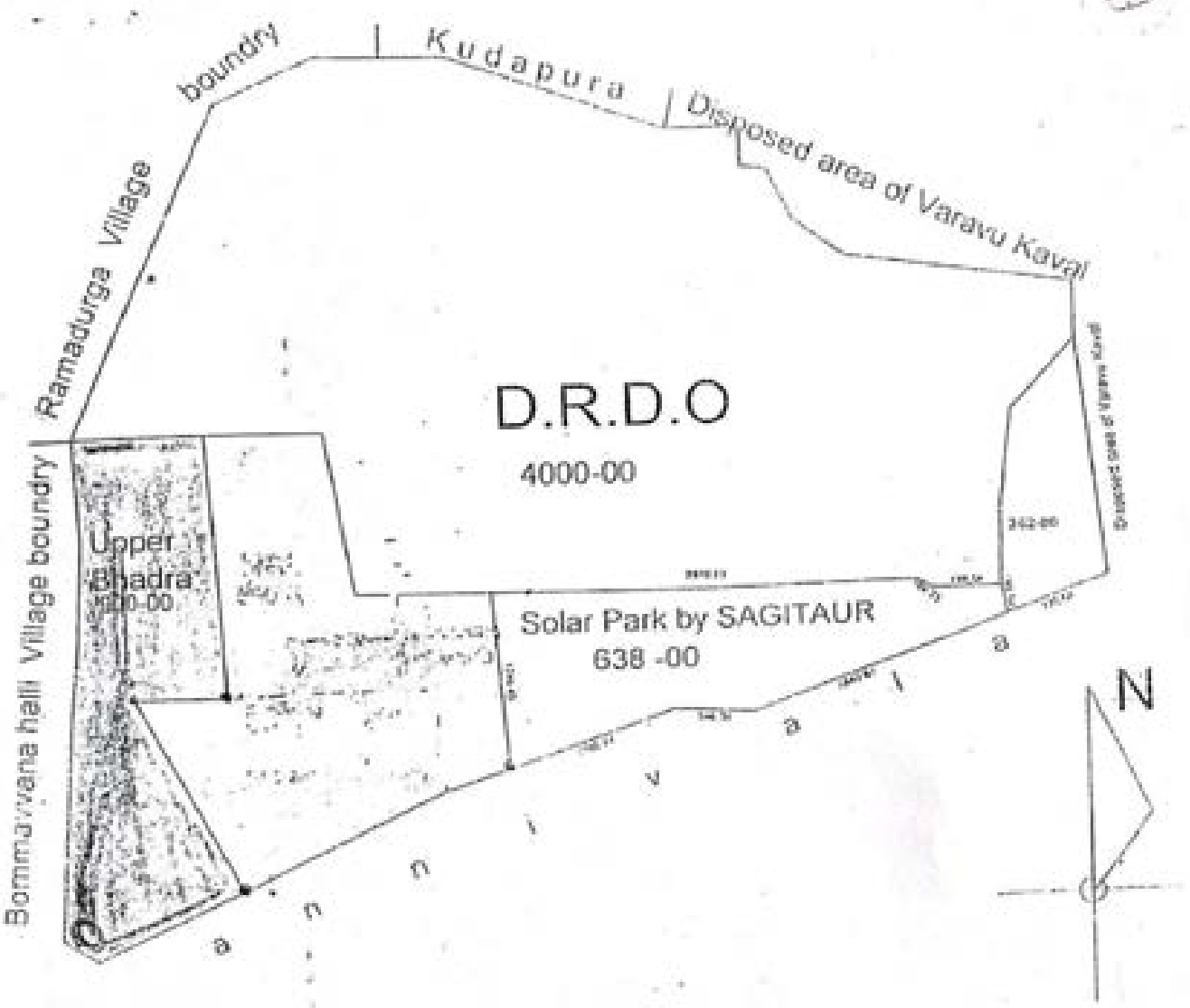
ತಹಸೀಲ್ದಾರ್
ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು

ಜಮೀನನ್ನು ಹಸ್ತಾಂತರಪಡೆದುಕೊಳ್ಳುವವರು

Range Forest Officer,
Challakere Range, Challakere.

ವರವುಕಾವಲು ಗ್ರಾಮದ ಸ.ನಂ:343 ರ ಬಾಬ್ತು ನಕ್ಷೆ

(63)



ಈ ಬ್ಲಾಕಿಂದ ತೋರಿಸಿದ ಅ.ಕ.ನಂ 343 ರಲ್ಲಿ 6300 ವಿ ಸಂ - ವಿಸ್ತೀರ್ಣದ ಜಮೀನು 4000 ವಿ ಸಂ - DRDO ಗೆ ಸಂಪೂರ್ಣವಾಗಿ ಬರುವಂತೆ ಹಾಗು ಚಿಕ್ಕಬಳ್ಳಾಪುರ ತಾಲ್ಲೂಕು ಕಚೇರಿಯಲ್ಲಿ ಲಭ್ಯವಿರುವ ಸರ್ವೆ ನಕ್ಷೆಯಲ್ಲಿ ಗುರುತಿಸಿರುವಂತೆ ಸುಮಾರು 1000 ವಿ ಕ್ಯು - ಪ್ರದೇಶವನ್ನು ಕಂದಾಯ ಇಲಾಖೆಯಿಂದ ಕಾಯ್ದಿರಿಸಿ ಕೊಡಲು ಕೋರಿಕೆ ಸಲ್ಲಿಸಿದೆ. ಅದಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಸರ್ವೆ ನಕ್ಷೆಯನ್ನು ಲಗತ್ತಿಸಿದೆ.

ಟಿಪ್ಪಣಿ :- ಪೂ : ಅ.ಕ.ನಂ 343ರಲ್ಲಿ ಬಳಿದಿಷ್ಟಕ್ಕೆ ಪ: DRDO ಪ್ರದೇಶ
ಪ : ಬೊಮ್ಮವ್ವನಹಳ್ಳಿ ಕಡೆ. ದ: ನಮ್ಮಾಳ್ ಕಡೆ.

ಟಿಪ್ಪಣಿ: ಮೇಲ್ಕಂಡ ತಹಶೀಲ್ದಾರರವರ ಟಿಎಸ್‌ಆರ್ 94/14-15 ರ ಪತ್ರದಲ್ಲಿ ಕೋರಿರುವಂತೆ ಸರ್ವೆಯಲ್ಲಿ ಗುರುತಿಸಿರುವ ಸರ್ಕಾರಿ ಜಮೀನಿನ ಹದ್ದುಬಸ್ತು ಮಾಡಿ ಸರ್ವೆ ನಕ್ಷೆಯನ್ನು ತಯಾರಿಸಿರುತ್ತದೆ.

ಸರ್ವೇಯರ್
ಚಿಕ್ಕಬಳ್ಳಾಪುರ

ಸಹಾಯಕ ಕಮೀಷನರ್ ಮತ್ತು
ಉಪವಿಭಾಗಾಧಿಕಾರಿಗಳು
ಚಿಕ್ಕಬಳ್ಳಾಪುರ ಉಪವಿಭಾಗ

ವಿಭಾಗ ಭೂಮಾಪಕರು
ಚಿಕ್ಕಬಳ್ಳಾಪುರ ಉಪವಿಭಾಗ
ಚಿಕ್ಕಬಳ್ಳಾಪುರ

version:1.0.0.0

ನಮೂನೆ ಎರಡು
ಮ್ಯುಟೇಶನ್ ರಿಜಿಸ್ಟರ್ ಪ್ರತಿ

ಮುದ್ರಿಸಿದ ದಿನಾಂಕ 22/04/2016
ಪುಟ ಸಂಖ್ಯೆ 1

ಜಿಲ್ಲೆ : ಚಿತ್ರದುರ್ಗ
ತಾಲ್ಲೂಕು : ಚಳ್ಳಕೆರೆ
ಹೋಬಳಿ : ನಾಯಕನಹಟ್ಟಿ
ಗ್ರಾಮ : ರಾಯಪುರದಹಳ್ಳಿ

ಹಿಂಪಡಿತ ವರ್ಷ : 2015-2016
ಹಿಂಪಡಿತ ಸಂಖ್ಯೆ : 99
MR ಸಂಖ್ಯೆ : 1130

ಮೂಲ : ಪೌತಿ ಖಾತೆ ಆದೇಶ
ಬದಲಾವಣೆ ರೀತಿ : ಸರ್ವೇ ನಂ ವಿಭಜನೆ
ಖಾತೆ ವಿಲೇವಾರಿ ರೀತಿ : ಮಂಜೂರು
ಸಂಖ್ಯೆ : LND CR:CR 71 RT 15
ದಿನಾಂಕ : 03/03/2016

ಖಾತೆದಾರರ ಸರ್ವೆ ನಂ./ಹಿಸ್ಸಾ ನಂ.	ಹಕ್ಕು ಬದಲಾವಣೆ ಮಾಡಿದವರು	ವಿಸ್ತೀರ್ಣ ಎಕರೆ ಗುಂಟೆ ಆಣೆ	ಹಕ್ಕು ಬದಲಾವಣೆ ಪಡೆದವರು	ವಿಸ್ತೀರ್ಣ ಎಕರೆ ಗುಂಟೆ ಆಣೆ	ಕಂದಾಯ ಪಾವತಿ ಅಥವಾ ಮತ್ತು ಬಗ್ಗೆ
343/7 ಮಳ್ಳಾ: ಸರ್ಕಾರಿ ಕಂದಾಯ :1.50	ಸರ್ಕಾರಿ	901 00 00.00	ಪರಭಾರೆ ಅರಣ್ಯ ಸಮಿತಿಯಿಂದ ಬೆಳೆಸುವ ಉದ್ದೇಶಕ್ಕಾಗಿ	901 00 00.00	

ಹಕ್ಕುಗಳು : ಮೆ ಸಾಗಿಬಾಲ
ಕೆಂಚರ್ಸ್ ಇಂಡಿಯಾ ಲಿಮಿಟೆಡ್
ಇವರಿಂದ ಪಡೆದ ರೀಸರ್ವೆ ಉಪ
ಗುತ್ತಿಗೆ SRNO 4783/15-16
ರಂತೆ ಪೋಡಾಸ್ ಸೂರ್ಯಕಿರಣ
ಪ್ರೈ ಲಿಮಿಟೆಡ್ ಇವರಿಗೆ 141
ಎಕರೆ ಜಾಗದ SRNO
3400/15-16 ರಂತೆ ವೀವರ್ಸ್
ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್ ಇವರಿಗೆ
174 ಎಕರೆ ಮತ್ತು SRNO
3402/15-16 ರಂತೆ S E I
ಡೈಮಂಡ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್
ಇವರಿಗೆ 158 ಎಕರೆ
ಉಪಗುತ್ತಿಗೆ
ನೀಡಲಾಗಿದೆ.ಕುರಿಫಾರಂ)

ಭೋದನೆ ಮತ್ತು
ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು
ಮೆ:ಸಾಗಿಬಾಲ ಕೆಂಚರ್ಸ್
ಇಂಡಿಯಾ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್
ಬೆಂಗಳೂರು ,ಬೆಂಗಳೂರು ನಿವಾ
ಇವರಿಗೆ ಸ್ಥಿರಾಸ್ತಿ
ಗುತ್ತಿಗೆ ರೀಜ್ 1000 ಎಕರೆ
ಪ್ರದೇಶ

ಮ್ಯುಟೇಶನ್ ಆದೇಶದ ವಿವರ :
ಪೌತಿ ಮ್ಯುಟೇಶನ್
ಅಂಗೀಕರಿಸಿದೆ.

ಮೋಜಣಿದಾರ : ಚಳ್ಳಕೆರೆ
ಮ್ಯುಟೇಶನ್ ಆದೇಶದ ದಿನಾಂಕ : 15/04/2016

ಸಹಿ/-
ರಾಜಪ್ಪ ನಿರೀಕ್ಷಕರು
ಹೋಬಳಿ ನಾಯಕನಹಟ್ಟಿ

ರೆಕಾರ್ಡ್ ಆಫ್ ರೈಟ್ಸ್, ಟೇನ ಮತ್ತು ಪಹಣಿ ಪತ್ರಿಕೆ (R.T.C) ಫಾರಂ ಸಂ. 02

Village Account Form No. 2

ಸ್ವಯಂ ಘೋಷಿತ ಸಂಖ್ಯೆ: 1 3 6 5 5 6 6 9 9 1

Valid from ದಿನಾಂಕ ರಿಂದ To Till Date

1. ಸರ್ವೇ ನಂಬರ್ 343	3. ಹೆಸರುಗಳು: ಒಟ್ಟು ವಿಸ್ತೀರ್ಣ ಪೂರ್ಣ ಖರಾಬ್ (ಗ) ಪೂರ್ಣ ಖರಾಬ್ (ಘ) ಉಳಿದದ್ದು	ಎಕರೆ ಗುಂಟೆ ಆ	4. ಕೈಯಾಡಿಸಿ (ಅ) ಭೂ ಕಂದಾಯ (ಬ) ಜೊತೆ (ಕ) ಮಿಶ್ರಗಳು (ಳ) ಪರಿಶೀಲನೆ ಒಟ್ಟು	ರೂ. ಪೈ
2. ಒಟ್ಟು				

5. ಮಿಶ್ರಣದ ಪರಿಮಾಣ	7. ಮೂಲಗಳ ವಿವರ			8. ಮೇಲಿನವುಗಳ ಪೈಕಿ ನೀರಾವರಿಯಿಂದ ವಿಸ್ತೀರ್ಣ				
	ಕೆರೆಯ	ಬಾವಿಗಳ ಸಂಖ್ಯೆ	ಇತರೆ ಮೂಲಗಳು	ಕೆರೆಯಿಂದ ಮೂಲಗಳು	ಮೂಲಗಳು	ಒಣಗಿದವು	ಬಾವಿಗಳು	ಒಟ್ಟು
6. ಒಟ್ಟು								

9. ಕಬ್ಬಿನ ಅರಿಯಲು ಅಥವಾ ಬೆಲ್ಲವನ್ನು ತಯಾರಿಸುವ ಕೊಟ್ಟಿಗೆಯ ಮೂಲಕ ನೀಡಿದ	ಪೈಸೆಗಳ ಸಂಖ್ಯೆ ರೂ	ಪೈಸೆ	10. ಕಬ್ಬಿನ ಅರಿಯಲು ಅನುಮತಿಸಿದ ದಿನಾಂಕ	11. ಇತರೆ ಮಿಶ್ರಣಗಳು ಮತ್ತು ಮೂಲಗಳು	
				ಮಿಶ್ರಣಗಳು:	ಮೂಲಗಳು:
-ಮೇಲಾಗಿ ಅಥವಾ ಮೇಲಿನವುಗಳು ಮೇಲಿನ ಅಥವಾ ಅಥವಾ	00.00.00.00	9999	MR Hsc/2015-16ನೇ ಮೇಲಾಗಿ ಸ/24/2016		ನೀರಾವರಿ

12. ಬಾವಿಗಳ ಮತ್ತು ಸೇರಿರುವ ವಿವರಗಳು

13. ಭೂಮಿಯ ಅಭಿವೃದ್ಧಿ ಮತ್ತು ಬೆಳೆಗಳ ವಿವರ

ಸರ್ವೇ ನಂಬರ್ ಭಾಗ 1	ಭೂ ಮಾಲೀಕರುಗಳ ಹೆಸರು ಮತ್ತು ವಾಸಸ್ಥಳ 2	ಬಾವಿಗಳ ಸಂಖ್ಯೆ 3	ಸೇರಿರುವ ವಿವರ: ವಿಸ್ತೀರ್ಣ ಎಕರೆ 4 ರೂ	ಗುಂಟೆ 5	ಪ್ರದೇಶದ ಅಭಿವೃದ್ಧಿ: ಬಾವಿ 6	ವಿಸ್ತೀರ್ಣ ಎಕರೆ 7 ರೂ	ಗುಂಟೆ	ಮಿಶ್ರಣ ಕೆರೆ, ಬಾವಿಗಳು 8	ಪೈಸೆ 9	ಬೆಳೆಗಳ ಹೆಸರು: ಅವಧಿ 10	ಮಿಶ್ರ 11	ಒಟ್ಟು 12	ಸಂಖ್ಯೆಗಳು ಮೂಲಗಳು 13	ಅಳತೆ ಅಥವಾ ಪೈ 14	ಮಿಶ್ರ ಮೂಲಗಳ ಒಟ್ಟು: ಮಿಶ್ರಣದ ಹೆಸರು 15	ವಿಸ್ತೀರ್ಣ 16 ರೂ	ಪೈಸೆ

Page No.4/4

ಕರ್ನಾಟಕ ಭೂಕಂದಾಯ ನಿಯಮಾವಳಿ 1966 ರ ನಿಯಮ 40, 42, 58 ಮತ್ತು 70

ಸೈಗಳಾ ಎಲೆ ಮತ್ತು ಸೂಚಿಸಿಲ್ಲ

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಕಾರ್ಯಾಲಯ, ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ, ಚಿತ್ರದುರ್ಗ.

ಸಂ:ಎಲ್ಎನ್‌ಡಿ:ಸಿಎಲ್‌ಕೆ:ಸಿಆರ್-71/2009-10 ದಿನಾಂಕ:3-3-2016.

ಅಧಿಕೃತ ಜ್ಞಾಪನ ಪತ್ರ

ವಿಷಯ: ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಗಾಗಿ ಅರಣ್ಯ ಇಲಾಖೆಯ ಜಮೀನನ್ನು ಬಳಕೆ ಮಾಡಿರುವುದರಿಂದ ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು ನಾಯಕನಹಟ್ಟಿ ಹೋಬಳಿ ವರವು ಕಾವಲು ಗ್ರಾಮದ ಸರ್ವೆ ನಂ:343ರಲ್ಲಿ 364-50ಹೆಕ್ಟೇರ್ (901 ಎಕರೆ) ಜಮೀನನ್ನು ಪರ್ಯಾಯ ಅರಣ್ಯೀಕರಣಕ್ಕಾಗಿ ಅರಣ್ಯ ಇಲಾಖೆಗೆ ವರ್ಗಾಯಿಸುವ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ: 1) ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ, ಕಂದಾಯ ಇಲಾಖೆ, (ಭೂ ಮಂಜೂರಾತಿ-3) ಬೆಂಗಳೂರು ಇವರ ಆದೇಶ ಸಂ:ಆರ್‌ಡಿ-31:ಎಲ್‌ಜಿಸಿ 2013 ದಿ:26-2-2013.

2) ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಭಮೇಯೋವ, ಚಿತ್ರದುರ್ಗ ಇವರ ಪತ್ರ ಸಂ:ಮುಇಂಜಿ:ಕನೀನಿನಿ:ಭಮೇಯೋವ:ತಾಂ.ಸ-4/2015-16/905 ದಿ:13-7-2015.

3) ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್, ಕನೀನಿನಿ, ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆ ವಿಭಾಗ, ನಂ:1, ಮುತ್ತಿನಕೊಪ್ಪ ಇವರ ಪತ್ರ ಸಂ:ಕಾಇಂ:ಕನೀನಿನಿ:ಭಮೇಯೋ:ವಿ-1/ಯೋಶಾ-1/ಪ್ಯಾ-1:ಅರಣ್ಯ/2015-16/657 ದಿ:1-2-2016.

4) ಉಪ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿ, ಚಿತ್ರದುರ್ಗ ವಿಭಾಗ, ಚಿತ್ರದುರ್ಗ ಇವರ ಪತ್ರ ಸಂ:ಎ-6:ಭೂಮಿ:ಭದ್ರಾ ಮೇಲ್ದಂಡೆ:ಜಿಎಲ್‌ಬಿ-3462.3699/2015-16/1082 ದಿ:26-2-2015.

5) ಮಾನ್ಯ ಕರ್ನಾಟಕ ಉಚ್ಚ ನ್ಯಾಯಾಲಯದ ರಿಟ್ ಪಿಟಿಷನ್ ಸಂ:26144-26147/2012 (ಕೆಎಲ್‌ಆರ್-ಆರ್‌ಇಸ್-ಪಿಐಎಲ್) ಆದೇಶ ದಿ:30-9-2013.

%%%%%%%

ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಗಾಗಿ ಅರಣ್ಯ ಇಲಾಖೆಯ ಜಮೀನನ್ನು ಬಳಕೆ ಮಾಡಿರುವುದರಿಂದ ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು ನಾಯಕನಹಟ್ಟಿ ಹೋಬಳಿ ವರವು ಕಾವಲು ಗ್ರಾಮದ ಸರ್ವೆ ನಂ:343ರಲ್ಲಿ 364-50ಹೆಕ್ಟೇರ್ (901 ಎಕರೆ) ಜಮೀನನ್ನು ಪರ್ಯಾಯ ಅರಣ್ಯೀಕರಣಕ್ಕಾಗಿ ಅರಣ್ಯ ಇಲಾಖೆಗೆ ವರ್ಗಾಯಿಸಲು ಉಲ್ಲೇಖ(1)ರಂತೆ ಆದೇಶವಾದಂತೆ ಕ್ರಮವಹಿಸಲು ಉಲ್ಲೇಖ(5)ರ ರಿಟ್ ಅರ್ಜಿಗೊಳಪಡಿಸಿ ಆದೇಶ ಮಾಡಿರುವುದರಿಂದ ಹಾಗೂ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಗಳು, ಅರಣ್ಯ ಪರಿಸರ ಮತ್ತು ಜೀವಿಶಾಸ್ತ್ರ ಇಲಾಖೆ, ಬೆಂಗಳೂರು ಇವರು ಆಕ್ಷೇಪಣೆ ವ್ಯಕ್ತಪಡಿಸಿ ಸದರಿ ಜಮೀನು 'ಸಿ ಅಂಡ್ ಡಿ' ಲ್ಯಾಂಡ್ ಆಗಿರುವುದರಿಂದ ಅರಣ್ಯ ಇಲಾಖೆಗೆ ವರ್ಗಾಯಿಸದಿರಲು ಅಭಿಪ್ರಾಯಿಸಿರುತ್ತಾರೆ.

ಈ ಸಂಬಂಧ ಜಿಲ್ಲಾ ಡೀಮ್ಡ್ ಫಾನ್ ಡೀಮ್ಡ್ ಸಮಿತಿ ಸಭೆಯಲ್ಲಿ ವರವು ಕಾವಲು ಗ್ರಾಮದ ಸ.ನಂ:343ರಲ್ಲಿ ಒಟ್ಟು 2052-00ಎಕರೆ ಕಂದಾಯ ಇಲಾಖೆಯು ವಹಿಸಿಕೊಳ್ಳುವಂತಹ ಜಮೀನಾಗಿರುತ್ತದೆ ಮತ್ತು ಡೀಮ್ಡ್ ಫಾರೆಸ್ಟ್ ಆಗಿರುವುದಿಲ್ಲವೆಂದು ಈ ಬಗ್ಗೆ ಸೂಕ್ತ ಆದೇಶ ಹೊರಡಿಸಲು ಅಗತ್ಯ ಕ್ರಮ ಕೈಗೊಳ್ಳಲು ಕೋರಿ ದಿ:14-7-2015ರಂದು ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಗಳು, ಅರಣ್ಯ ಪರಿಸರ ಮತ್ತು ಜೀವಿಶಾಸ್ತ್ರ ಇಲಾಖೆ, ಬೆಂಗಳೂರು ಇವರಿಗೆ ಪತ್ರ ಬರೆಯಲಾಗಿತ್ತು.

ಉಲ್ಲೇಖ(3)ರಲ್ಲಿ ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಯು ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಪ್ರತಿಷ್ಠಿತ ಯೋಜನೆಯಾಗಿದ್ದು, ಬರಗಾಲ ಪೀಡಿತ ಪ್ರದೇಶಗಳಾದ ಚಿಕ್ಕಮಗಳೂರು, ಚಿತ್ರದುರ್ಗ, ದಾವಣಗೆರೆ ಹಾಗೂ ತುಮಕೂರು ಜಿಲ್ಲೆಗಳ ಪ್ರದೇಶಗಳಿಗೆ ನೀರುಣಿಸುವ ಯೋಜನೆಯಾಗಿದ್ದು, ಅರಣ್ಯ ಪ್ರದೇಶದ ತೀರುವಳಿ ಪಡೆಯುವಲ್ಲಿ ಅತೀ ವಿಳಂಬವಾಗಿರುತ್ತದೆ. ಆದ್ದರಿಂದ ಸದರಿ ಕಾಮಗಾರಿಗೆ ಅವಶ್ಯವಿರುವ ಅರಣ್ಯ ಪ್ರದೇಶದ ತೀರುವಳಿ ದೊರೆಯುವ ಪ್ರಕ್ರಿಯೆ ಪರ್ಯಾಯ ಅರಣ್ಯೀಕರಣಕ್ಕಾಗಿ ಸರ್ಕಾರದಿಂದ ಮಂಜೂರಾಗಿರುವ ವರವು ಕಾವಲು ಗ್ರಾಮದ ಸ.ನಂ:343ರಲ್ಲಿನ 364-50ಹೆಕ್ಟೇರ್ ಭೂಮಿಯನ್ನು ಕಂದಾಯ ಇಲಾಖೆಯಿಂದ ಅರಣ್ಯ ಇಲಾಖೆಗೆ ವರ್ಗಾಯಿಸಲು ಸಂಬಂಧಪಟ್ಟ ಅಧಿಕಾರಿಗಳಿಗೆ ನಿರ್ದೇಶನ ನೀಡಬೇಕೆಂದು ಕೋರಿರುತ್ತಾರೆ.

ಪ್ರಯುಕ್ತ ಕಂದಾಯ ಇಲಾಖೆಯ ಉಲ್ಲೇಖ(1)ರ ಆದೇಶದಂತೆ ಕೂಡಲೇ ಪ್ರಸ್ತಾವಿತ ಜಮೀನನ್ನು ಕಂದಾಯ ದಾಖಲೆಗಳಲ್ಲಿ ಇಂಡೀಕರಣಗೊಳಿಸಿ ಅರಣ್ಯ ಇಲಾಖೆಗೆ ವಹಿಸಿಕೊಡಲು ತಹಶೀಲ್ದಾರ್, ಚಳ್ಳಕೆರೆ ಇವರಿಗೆ ಆದೇಶಿಸಿದೆ.

(ಎಂ.ಶ್ರೀರಂಗಯ್ಯ)
ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು,
ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ

ಪ್ರತಿಯನ್ನು:

1) ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ, ಕಂದಾಯ ಇಲಾಖೆ, (ಭೂ ಮಂಜೂರಾತಿ-3) ಬೆಂಗಳೂರು ಇವರಿಗೆ ಮಾಹಿತಿಗಾಗಿ ಸಲ್ಲಿಸಿದೆ.
2) ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆ, ವಲಯ, ಚಿತ್ರದುರ್ಗ.
3) ಉಪವಿಭಾಗಾಧಿಕಾರಿಗಳು, ಚಿತ್ರದುರ್ಗ.
4) ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್, ಕನಿನಿ, ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆ ವಿಭಾಗ, ನಂ:1, ಮುತ್ತಿನಕೊಪ್ಪ, ಎನ್.ಆರ್.ಪುರ ತಾಲ್ಲೂಕು, ಚಿಕ್ಕಮಗಳೂರು ಜಿಲ್ಲೆ.
5) ಉಪ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿ, ಚಿತ್ರದುರ್ಗ ವಿಭಾಗ, ಚಿತ್ರದುರ್ಗ.
6) ತಹಶೀಲ್ದಾರ್, ಚಳ್ಳಕೆರೆ ಇವರಿಗೆ ಮುಂದಿನ ಸೂಕ್ತ ಕ್ರಮಕ್ಕಾಗಿ.

ಸಿ.

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ನಡವಳಿಗಳು

ದಿ:6.4.24
ದಿ:2/4/24

ವಿಷಯ: ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಗಾಗಿ ಅರಣ್ಯ ಇಲಾಖೆಯ ಜಮೀನನ್ನು ಬಳಕೆಮಾಡುವುದರಿಂದ ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ, ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು, ನಾಯ್ಕನಹಟ್ಟಿ ಹೋಬಳಿ, ಪರಪು ಕಾವಲು ಗ್ರಾಮದ ಸ.ನಂ.343ರಲ್ಲಿ 364-50 ಹೆಕ್ಟೇರ್ (901-00 ಎಕರೆ) ಜಮೀನನ್ನು ಪರ್ಯಾಯ ಅರಣ್ಯೀಕರಣಕ್ಕಾಗಿ ಅರಣ್ಯ ಇಲಾಖೆಗೆ ಮಂಜೂರು ಮಾಡುವ ಬಗ್ಗೆ

* * *

ಓದಲಾಗಿದೆ:

1) ಜಿಲ್ಲಾಧಿಕಾರಿ, ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ ಇವರ ಪತ್ರ ಸಂಖ್ಯೆ: ಎಲ್.ಎನ್.ಡಿ. ಸಿಆರ್. 71/2009-10 ದಿನಾಂಕ: 17.01.2012

2) ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿ, ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ ಇವರ ಅ.ಸ.ಪತ್ರ ಸಂಖ್ಯೆ: ಜಸಂಇ 73 ವಿಯೋಜನೆ2012 ದಿನಾಂಕ: 30.10.2012

3) ಕರ್ನಾಟಕ ಉಚ್ಚ ನ್ಯಾಯಾಲಯದಲ್ಲಿನ ರಿಟ್ ಅರ್ಜಿ ಸಂಖ್ಯೆ: 26144-47/2012

ಪ್ರಸ್ತಾವನೆ:

ಮೇಲೆ ಓದಲಾದ ಕ್ರಮ ಸಂಖ್ಯೆ (1)ರ ಪತ್ರದಲ್ಲಿ ಜಿಲ್ಲಾಧಿಕಾರಿ, ಚಿತ್ರದುರ್ಗ ಇವರು ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಯ ಪ್ಯಾಕೇಜ್-1ರ ನಾಲೆ ನಿರ್ಮಿಸಲು ಚಿತ್ರದುರ್ಗದಿಂದ ಜಿಲ್ಲೆ, ಎಸ್.ಆರ್.ಪುರ ತಾಲ್ಲೂಕು ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಅರಂಭ್ಯ ಅರಣ್ಯ ಪ್ರದೇಶದಲ್ಲಿ ಹಾದುಹೋಗುತ್ತಿರುವುದಾಗಿಯೂ, ಪ್ಯಾಕೇಜ್-2ರ ನಾಲೆ ನಿರ್ಮಿಸಲು ಚಿತ್ರದುರ್ಗದಿಂದ ಜಿಲ್ಲೆ ತರೀಕೆರೆ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ರಂಗಾಪುರ ಅರಣ್ಯ ಪ್ರದೇಶ ಮತ್ತು ಗುಡುಮದ ಅರಣ್ಯ ಪ್ರದೇಶದಲ್ಲಿ ಹಾದುಹೋಗುತ್ತಿರುವುದಾಗಿಯೂ, ಹಾಗೂ ಚಿತ್ರದುರ್ಗ ಉಪ ಕಾಲುವೆಯು ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ, ಹೊಸದುರ್ಗ ತಾಲ್ಲೂಕು, ದೇವರಕೊಟ್ಟ, ಜಾಜೇಕಲ್ ಮತ್ತು ಲಕ್ಕಿಹಳ್ಳಿ ಅರಣ್ಯ ಪ್ರದೇಶದಲ್ಲಿ ಹಾದುಹೋಗುತ್ತಿರುವುದಾಗಿಯೂ, ಈ ನಿರ್ಮಾಣದಿಂದಾಗಿ ಕಾಲುವೆ ನಿರ್ಮಾಣಕ್ಕೆ ಮೀಸಲು ಅರಣ್ಯ ಪ್ರದೇಶದ ಒಟ್ಟು 364.50 ಹೆಕ್ಟೇರ್ ಪ್ರದೇಶ ಭೂ ಸ್ವಾಧೀನಪಡಿಸಿಕೊಳ್ಳುವ ಅವಶ್ಯಕತೆ ಇದ್ದು, ಅರಣ್ಯ ನಿರ್ಮಾಣ ಕಾಮ್ಯ, 1920ನೆಯ ಸಮಾನಾಂತರ (ಅಷ್ಟೇ ಪ್ರಮಾಣದ) ಕಂದಾಯ ಜಮೀನನ್ನು ಅರಣ್ಯ ಇಲಾಖೆಗೆ ಮಂಜೂರು ಮಾಡುವುದರಿಂದ ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ, ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು, ನಾಯ್ಕನಹಟ್ಟಿ ಹೋಬಳಿ, ಪರಪು ಕಾವಲು ಗ್ರಾಮದ ಸರ್ವೇ ನಂ.343ರಲ್ಲಿ 364-50 ಹೆಕ್ಟೇರ್ (901-00 ಎಕರೆ) ಜಮೀನನ್ನು ಅರಣ್ಯೀಕರಣಕ್ಕಾಗಿ ಅರಣ್ಯ ಇಲಾಖೆಗೆ ಮಂಜೂರು ಮಾಡಲು ಪ್ರಸ್ತಾವನೆ ಸಲ್ಲಿಸಿರುತ್ತಾರೆ.

ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ವರದಿಯಂತೆ ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ, ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು, ನಾಯ್ಕನಹಟ್ಟಿ ಹೋಬಳಿ, ಪರಪು ಕಾವಲು ಗ್ರಾಮದ ಸರ್ವೇ ನಂ.343ರಲ್ಲಿ ಒಟ್ಟು 6973-13 ಎಕರೆ ಜಮೀನಿದ್ದು, ಇದರಲ್ಲಿ 1200-00 ಎಕರೆ ಸಿ ಮತ್ತು ಡಿ ಪೋಡಿಗೆ ಸೇರಿರುತ್ತದೆ. 100-00 ಎಕರೆ ಪ್ರದೇಶದಲ್ಲಿ ಅರಣ್ಯ ಇಲಾಖೆಯವರು ನೀಲಗಿರಿ ಮತ್ತು ಕಾಡು ಗಿಡಗಳನ್ನು ಬೆಳೆಸಿರುತ್ತಾರೆ. 4937-30 ಎಕರೆ ಜಮೀನು ಉಳುಮೆಗೆ ಯೋಗ್ಯವಾಗಿರುತ್ತದೆ. ಉಳಿದಂತೆ 2900-00 ಎಕರೆ ಭೂಮಿ ಖರ್ಬಾಗಿರುತ್ತದೆ

ಮೇಲೆ ಓದಲಾದ ಕ್ರಮ ಸಂಖ್ಯೆ (2)ರ ಅ.ಸ.ಪತ್ರದಲ್ಲಿ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿ, ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ ಇವರು ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಯ ಬರದ ದವಡೆಗೆ ಸಿಲುಕಿರುವ ಜಿಲ್ಲೆಗಳಿಗೆ ನೀರನ್ನು ಒದಗಿಸುವ ಯೋಜನೆಯಾಗಿದ್ದು, ನೀರಾವರಿ ಯೋಜನೆಯನ್ನು ನಿಗದಿತ ಅವಧಿಯಲ್ಲಿ ಅನುಷ್ಠಾನಗೊಳಿಸಬೇಕಾಗಿರುವುದರಿಂದ ಹಾಗೂ ಈ ಯೋಜನೆಗೆ ಕೇಂದ್ರ ಸರ್ಕಾರದಿಂದ ತೀರುವಳಿ ಪಡೆಯಲು ಸರ್ಕಾರದ ಆದೇಶವು ಅವಶ್ಯವಿರುವುದರಿಂದ ಸರ್ಕಾರದ ಭೂಮಿಯನ್ನು ಅರಣ್ಯ ಇಲಾಖೆಗೆ ವರ್ಗಾಯಿಸಲು ಕೋರಿರುತ್ತಾರೆ.

ಸದರಿ ಪ್ರಸ್ತಾವನೆಯನ್ನು ಕೂಲಂಕಷವಾಗಿ ಪರಿಶೀಲಿಸಿ ಈ ಕೆಳಕಂಡಂತೆ ಆದೇಶಿಸಿದೆ.

ಸರ್ಕಾರದ ಆದೇಶ ಸಂಖ್ಯೆ:ಆರ್‌ಡಿ:31:ಎಲ್‌ಜಿಸಿ:2013

ಬೆಂಗಳೂರು ದಿನಾಂಕ: 26.02.2013

ಪ್ರಸ್ತಾವನೆಯಲ್ಲಿ ವಿವರಿಸಿರುವ ಹಿನ್ನೆಲೆಯಲ್ಲಿ, ಕರ್ನಾಟಕ ಭೂ ಮಂಜೂರಾತಿ ನಿಯಮಗಳ (1969)ರ ನಿಯಮ 27ನ್ನು ಚಲಾಯಿಸಿ, ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆಯಲ್ಲಿ ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನೆಗಾಗಿ ಅರಣ್ಯ ಇಲಾಖೆಯ ಜಮೀನನ್ನು ಉಪಯೋಗಿಸಿಕೊಳ್ಳುತ್ತಿರುವುದರಿಂದ ಪರ್ಯಾಯವಾಗಿ ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ, ಚಳ್ಳಕೆರೆ ತಾಲ್ಲೂಕು, ಸಾಯ್ಕನಹಟ್ಟಿ ಹೋಬಳಿ, ವರವು ಕಾವಲು ಗ್ರಾಮದ ಸ.ನಂ.343ರಲ್ಲಿ 364-50 ಹೆಕ್ಟೇರ್ (901-00 ಎಕರೆ) ಭೂಮಿಯನ್ನು ಅರಣ್ಯೀಕರಣ ಉದ್ದೇಶಕ್ಕಾಗಿ ಅರಣ್ಯ ಇಲಾಖೆಗೆ ವರ್ಗಾಯಿಸಲು ಕಿಮ್ ಅರ್ಜಿ ಸಂಖ್ಯೆ: 26144-47/2012ರಲ್ಲಿನ ಅಂತಿಮ ತೀರ್ಮಾನಕ್ಕೆ ಮಂಜೂರಾತಿ ನೀಡಲಾಗಿದೆ.

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆದೇಶಾನುಸಾರ
ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ

(ಹೆಚ್.ಜಿ. ಲಕ್ಷ್ಮೀನಾರಾಯಣ)
ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ
ಕಂದಾಯ ಇಲಾಖೆ(ಭೂ ಮಂಜೂರಾತಿ-3)

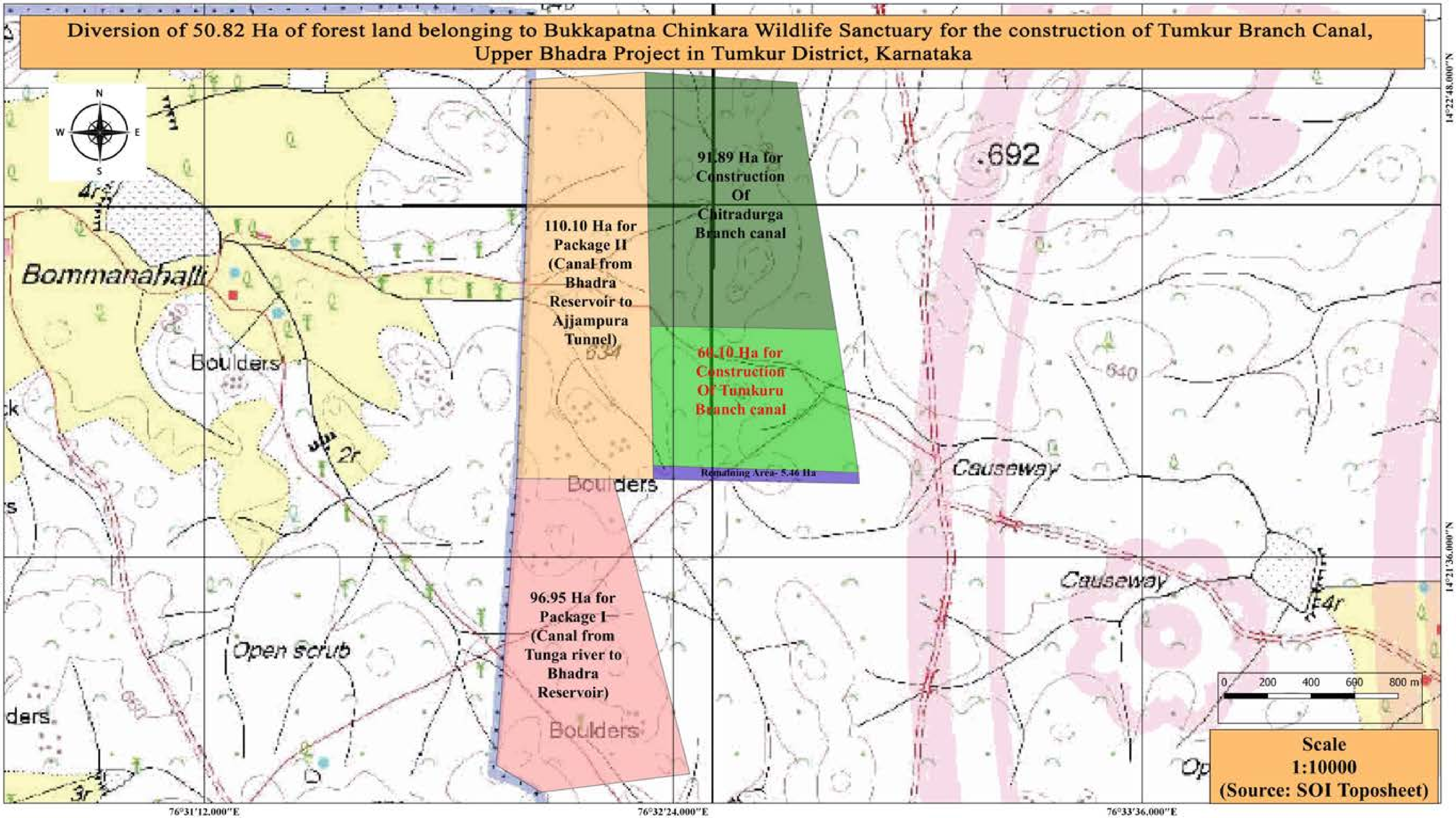
ಇವರಿಗೆ:

ಸಂಪಾದಕರು, ಕರ್ನಾಟಕ ರಾಜ್ಯಪತ್ರ, ಬೆಂಗಳೂರು ಇವರಿಗೆ ರವಾನಿಸುತ್ತಾ, ಕರ್ನಾಟಕ ರಾಜ್ಯಪತ್ರದ ಮುಂದಿನ ಸಂಚಿಕೆಯಲ್ಲಿ ಪ್ರಕಟಿಸಿ ಅದರ 100 ಪ್ರತಿಗಳನ್ನು ಕಂದಾಯ ಇಲಾಖೆ, ಭೂ ಮಂಜೂರಾತಿ-3 ಶಾಖೆ, ಕೊಠಡಿ ಸಂಖ್ಯೆ:313, ಏನೆ ಮಹಡಿ, ಬಹುಮಹಡಿ ಕಟ್ಟಡ, ಬೆಂಗಳೂರು ಇವರಿಗೆ ಕಳುಹಿಸಲು ಕೋರಿದೆ.

ಪ್ರತಿ:

1) ಜಿಲ್ಲಾಧಿಕಾರಿ, ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ: ಚಿತ್ರದುರ್ಗ.
2) ಮಾನ್ಯ ಮುಖ್ಯಮಂತ್ರಿಯವರ ಆಪ್ತಕಾರ್ಯದರ್ಶಿ, ವಿಧಾನಸೌಧ, ಬೆಂಗಳೂರು
3) ಮಾನ್ಯ ಉಪಮುಖ್ಯಮಂತ್ರಿಯವರ ಆಪ್ತಕಾರ್ಯದರ್ಶಿ, ವಿಧಾನಸೌಧ, ಬೆಂಗಳೂರು
4) ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಯವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿ, ಕಂದಾಯ ಇಲಾಖೆ, ಬೆಂಗಳೂರು.
5) ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಯವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿ, ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ, ಬೆಂಗಳೂರು.
6) ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಯವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿ, ಅರಣ್ಯ, ಪರಿಸರ ಮತ್ತು ಜೀವಿಶಾಸ್ತ್ರ ಇಲಾಖೆ, ಬೆಂಗಳೂರು.
7) ಪ್ರಧಾನ ಮುಖ್ಯ ಅರಣ್ಯಸಂರಕ್ಷಣಾಧಿಕಾರಿ, ಅರಣ್ಯಭವನ, ಇನೇ ಅಡ್ಡರಸ್ತೆ, ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು.
8) ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತ, ಕಾಫಿ ಬೋರ್ಡ್, ಅಂಬೇಡ್ಕರ್ ವೀದಿ, ಬೆಂಗಳೂರು-560 001.
9) ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತ, ಭದ್ರಾ ಮೇಲ್ದಂಡೆ ಯೋಜನಾ ವಲಯ, ಚಿತ್ರದುರ್ಗ
10) ಶಾಖಾ ರಕ್ಷಾ ಕಡತ/ಹೆಚ್ಚುವರಿ ಪ್ರತಿಗಳು

Diversion of 50.82 Ha of forest land belonging to Bukkapatna Chinkara Wildlife Sanctuary for the construction of Tumkur Branch Canal, Upper Bhadra Project in Tumkur District, Karnataka



Scale
1:10000
(Source: SOI Toposheet)

Geo-referenced Map of Compensatory Afforestation Land (60.10 Ha) at Varavu Kaval Village, Sy.No:343
Hobli: Nayakanahatti
Taluka: Challakere
District: Chitradurga

GPS Co-ordinates of CA Land at Varavu Kaval

Sr. No	Label	Easting	Northing	Longitude	Lattitude
1	A	665948.66 m E	1589183.85 m N	76.539023	14.369851
2	B	666804.67 m E	1589173.98 m N	76.546959	14.36971
3	C	666910.90 m E	1588499.02 m N	76.547902	14.363603
4	D	665966.20 m E	1588526.56 m N	76.539145	14.363909

Authorized Signature:

Executive Engineer
V.J.N.L. U.B.P. Division No. 4
Hosadurga

Prepared By:

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ENVIRONMENTAL HEALTH AND SAFETY CONSULTANTS PVT. LTD.

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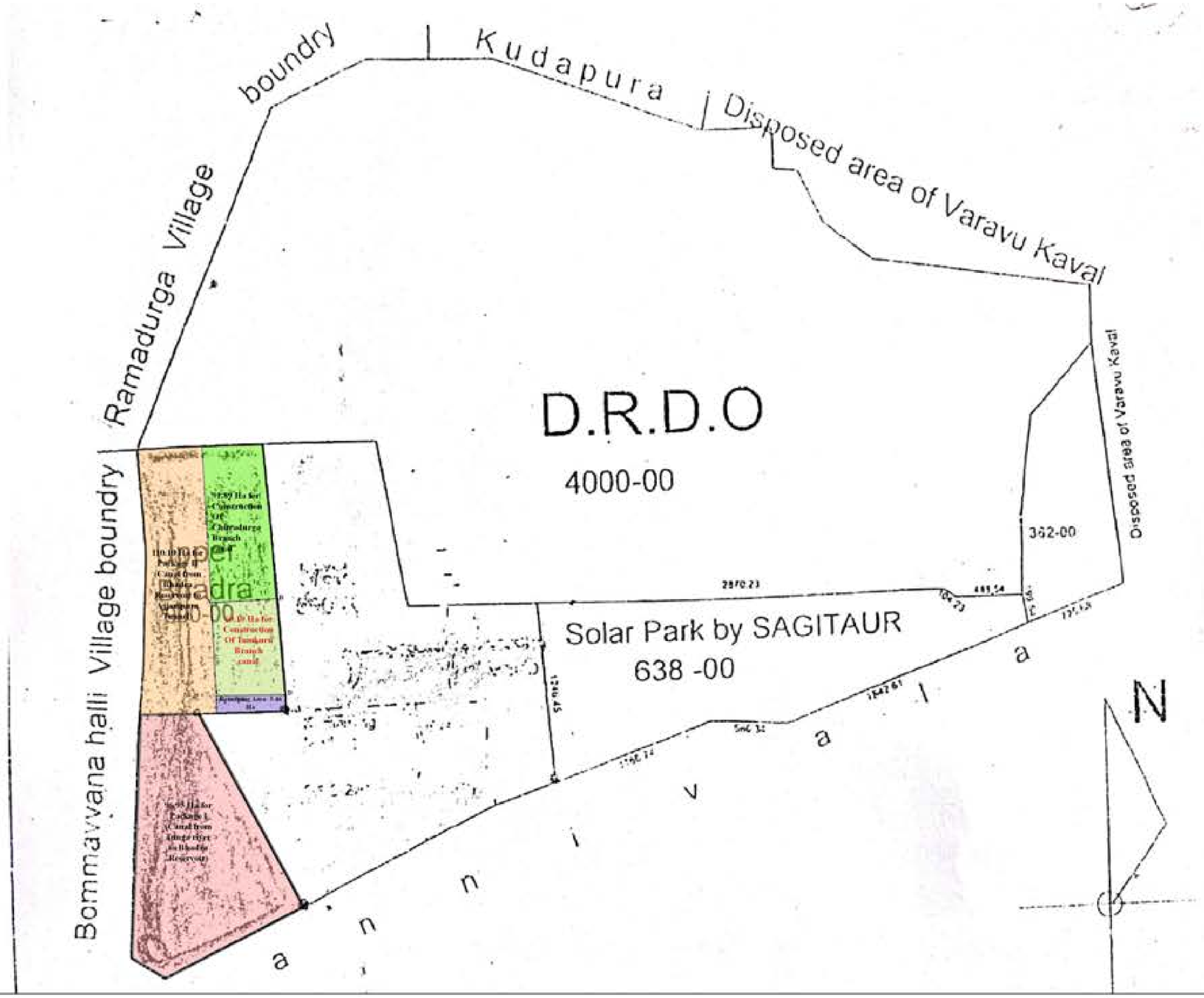
#174/New No.13/2,
14th E Cross, Industrial Town,
Agrahara Dasarahalli,
Bangalore - 560 044,
Karnataka
Tele: 080-23016200



Village Map of Compensatory Afforestation Land (60.10 Ha) at Varavu Kaval Village, Sy.No:343
Hobli: Nayakanahatti
Taluka: Challakere
District: Chitradurga

GPS Co-ordinates of CA Land at Varavu Kaval

Sr. No	Label	Easting	Northing	Lattitude	Longitude
1	A	665944.32	1589301.43	76.53899002	14.37091398
2	B	666800.35	1589304.56	76.54692705	14.37089053
3	C	665962.25	1588606.94	76.53911328	14.36463576
4	D	666832.12	1588600.61	76.54717792	14.36452599

Authorized Signature:

Executive Engineer
V.J.N.L. U.B.P. Division No. 4
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