

APPENDICES

Appendix 1
Lakes that have lost their characteristics
(Reference: Paragraph 1/Page 1)

Sl. No.	Name of the Lake	Converted as
1	Marenahalli Lake	Marenahalli
2	Sarakki Agrahara Lake/Doresanipalya	JP Nagar 4 th Phase
3	Chinnagara Lake	Ejipura
4	Challaghatta Lake	Karnataka Golf Club
5	Domlur Lake	Domlur Second Stage
6	Siddapura Lake	Siddapura/Jayanagar 1 st Block
7	Geddalahalli Lake	RMV II Stage, I Block
8	Nagashettihalli Lake	RMV 2 nd Stage, 2 nd Block
9	Kadirenahalli Lake	Banashankari 2 nd Stage
10	Tyagarajanagar Lake	Tyagarajanagar
11	Tumkur Lake	Mysore Lamps
12	Ramshettypalya kere	Milk Colony (Playground)
13	Agasana Lake	Gayathri Devi Park
14	Ketamaranahalli Lake	Rajajinagar (Mahalakshmiपुरam)
15	Gangashetty Lake	Minerva Mills & Open Ground
16	Jakraya Lake	Krishna Flour Mills
17	Dharmambudhi Lake	Kempegowda Bus Terminal
18	Agarahar hosakere	Cheluvadipalya
19	Kalasipalya Lake	Kalasipalya
20	Sampangi Lake	Kanteerava Stadium
21	Shoolay Tank	Ashoknagar, Football Stadium
22	Akkitimmanahalli Tank	Sai Hockey Stadium
23	Sunkal Tank	KSRTC Regional workshop
24	Koramangala Lake	National Dairy Research Institute
25	Kodihalli Lake	New Thippasandra/Government Buildings
26	Hoskere	Residential/Railway Stockyard
27	Somnehalli Lake	Austin Town (RES Colony)
28	Gokula Tank	Mathikere
29	Vidyaranyapura lake	Vidyaranyapura (Jalahalli East)
30	Kadugondanahalli Lake	Kadugondanahalli
31	Hennur Lake	Nagavara (HBR Layout)
32	Banaswadi Lake	Subbayanapalya Extention
33	Chennasandra Lake	Pulla Reddy Layout
34	Vijinapura Lake (Kotturu)	Rajarajeshwari Layout
35	Murugeshpalya Lake	Murugeshpalya
36	Parangipalya Lake	HSR Layout
37	Mestripalaya Lake	Mestripalaya (Open Ground)
38	Timberyard Lake	Timberyard Layout
39	Gangodanhalli Lake	Gangodanhalli
40	Vijayanagar Chord Road Lake	Vijayanagar
41	Oddarapalya Lake	Rajajinagar (Industrial Area)
42	Saneguruvanahalli Lake	Shivanahalli (Play Ground)
43	Kurubarahalli Lake	Basaveshwaranagar

Source: Annexure XII of Report of Committee constituted by the Hon'ble High Court of Karnataka to examine the ground realities and prepare action plan for preservation of lakes.

Appendix 2

Important recommendations of Shri. N. Lakshman Rau Committee

(Reference: Paragraph 1/Page 1)

- The existing tanks should not be breached but retained as water bodies;
- Efforts should be made to ensure that these tanks are not polluted by discharge of effluent and industrial wastes;
- To prevent silting up of these tanks, off-shore development is to be taken up by large scale tree planting and also removal of encroachments;
- These tanks which have already been breached should not be utilised for formation of sites but taken up to create tree parks;
- Existing tanks should be de-weeded and aquatic life must be developed;
- The BDA/Bengaluru CC/MI Department must immediately remove encroachments on the tank areas;
- Government should set up an implementation agency and review the implementation of the recommendations periodically;
- The responsibility for the maintenance of water bodies in clean and safe condition should be by Bengaluru Water Supply and Sewerage Board; and
- The possibility of construction of more tanks along the natural valleys which now have a run-off water should be examined and implementation taken up.

Appendix 3
Sampling methodology
(Reference: Paragraph 2.2/Page 3)

LDA: LDA had provided funds for 16 lakes under NLCP, six lakes under NWCP and six lakes under State Fund to implementing agencies for development of lakes.

Eleven of these lakes (NLCP: 6 lakes, NWCP: 2 lakes and State Fund: 3 lakes) were selected for detailed audit. Further, 33 *per cent* of CCs having lakes (two out of six CCs excluding Bengaluru) were taken for review.

CCs: Selection of CC was done by applying simple random sampling method after arranging the CCs in alphabetical order excluding Bengaluru.

Bengaluru: BBMP lakes were selected by selecting three out of eight zones. Out of the three zones, 33 *per cent* of the lakes (13 lakes) under the jurisdiction of those zones were selected by adopting the simple random sampling method. Similarly, lakes of BDA were selected by selecting two out of four zones. Out of the two zones, 33 *per cent* of the lakes (19 lakes) under the jurisdiction of those zones were selected by adopting the random sampling method.

Lakes selected for the Performance audit

	Names of the Lakes
NLCP Lakes (6 lakes)	Akkamahadevi Lake, Haveri; Amanikere, Tumakuru; Bhishma Lake, Gadag; Kotekere, Belagavi; Nagavara Lake and Vengaihanakere, Bengaluru.
NWCP Lakes (2 lakes)	Gudavi Wetland, Shivamogga and Magadi Wetland, Gadag.
State Fund (3 lakes)	Dalvoy Lake, Mysuru; Kunnirkatte Lake, Channapatna and Rangarayanadoddi Lake, Ramanagara.
BBMP (13 lakes)	Allalassandra Lake; Amblipura Melinakere; Attur Lake; Chinnappanahalli Lake; Chokkanahalli Lake; Dasarahalli (Chokkasandra) Lake; Kaigondanahalli Lake; Kasavanahalli Lake; Kogilu Lake; Kowdenhalli Lake; Kundalahalli Lake; Thirumenahalli Lake and Yelahanka Lake.
BDA (19 lakes)	Amruthahalli Lake; B.Channasandra Lake; B.Narayanapura Lake, Bellanduru Lake, Chikka Bellanduru Kere, Doddanekundi Lake, Gangasetty Lake, Garebhavipalya Lake, Garudacharpalya (Achanakere) Lake, Horamavu-Agara Lake, Jakkur-Sampigehalli Lake, Kalkere-Rampura Lake, Mahadevapura Lake, Mestripalya Lake, Rachenahalli Lake, Shivanahalli Lake, Varthuru Lake, Venkateshpura Lake and Vibhuthipura Lake.
Hubballi-Dharwad (10 lakes)	Heggeri Lake, Kelageri Lake, Kempkere, Kolikeri, Navalur Lake, Nuggikeri, Sadankeri, Someshwara Lake, Unkal Main Lake and Unkal Small Lake.
Belagavi (3 lakes)	Alarwad tank, Kuduchi big tank and Kuduchi small tank.
Total (56 lakes)	

Appendix 4

Salient features of the Karnataka Lake Conservation and Development Authority Act, 2014

(Reference: Paragraph 2.5/Page 5)

The salient features of the Act are as under:

1. The Authority shall exercise regulatory control over all the lakes within the limits of Municipal Corporations and Bengaluru Development Authority including prevention and removal of encroachment of lake.
2. The Authority shall be a body corporate, having a Governing Council, Executive Committee and conduct periodical meetings;
3. The Functions of the Authority shall be to protect, conserve, take up environmental impact assessment studies, mapping of lakes, plan for integrated development, create habitat (wetlands) for aquatic biodiversity, augmenting recharge of ground water, aquifers, to improve and monitor water quality to utilise the lakes for purpose of drinking water, fishing, irrigation, tourism, *etc.*
4. The Authority shall have powers to cause entry upon or authorise any officer to enter upon any land to survey, demarcate and make maps of lakes, to receive grants, donations, *etc.*
5. The Act prohibits use of lake for any purpose other than storage or impounding water.
6. The Act gives the Authority powers to direct any officer of Government or any local or other authority who is the custodian, or in control of any lake to permanently demarcate its boundaries, to remove encroachments or unauthorised occupation of such lake.
7. The Authority shall have powers to summarily evict encroachments and seizure of property liable for confiscation.
8. The Authority shall create a fund and spend money for performing its duties and functions; maintain accounts and other records, prepare budget and annual financial statements, Annual Reports, *etc.*
9. The Authority shall have delegation powers, prosecution powers and powers to make rules and regulations.

Appendix 5
Details of expenditure incurred on restoration⁵² works in test-checked lakes
(Reference: Paragraph 3.7/Page 14)

Sl. No.	Name of the lake	Period of Execution	Estimated cost (₹ in crore)	Expenditure (₹ in crore)
Bengaluru				
1.	Allalasanra Lake, BBMP	2009-13	9.04	7.58
2.	Amblipura Melinakere, BBMP	2012-13	2.70	1.47
3.	Attur Lake, BBMP	2009-11	3.75	3.68
4.	B.Narayanapura Lake, BDA	2014-15	1.91	0.99
5.	Bellanduru Lake, BDA	2009-12	3.78	3.31
6.	Chinnappanahalli Lake, BBMP	2009-10	0.78	1.59
7.	Chokkanahalli Lake, BBMP	2013-14	1.40	1.51
8.	Dasarahalli Lake, BBMP	2008-14	10.31	5.97
9.	Doddanekundi Lake, BDA	2013-14	9.07	6.13
10.	Gangashetty Lake, BDA	2013-14	2.40	0.99
11.	Jakkur-Sampigehalli Lake, BDA	2009-12	21.98	14.93
12.	Kaigondanahalli Lake, BBMP	2009-14	8.41	6.06
13.	Kasavanahalli Lake, BBMP	2013-14	3.00	3.24
14.	Kogilu Lake, BBMP	2012-13	4.90	2.62
15.	Kowdenhalli Lake, BBMP	2008-11	3.96	4.22
16.	Mestripalya Lake, BDA	2012-14	2.29	0.87
17.	Nagavara Lake, Bengaluru		6.00	3.35
18.	Rachenahalli Lake, BDA	2009-12	19.00	14.65
19.	Thirumenahalli Lake, BBMP	2012-14	2.20	2.33
20.	Varthuru Lake, BDA	2013-14	2.33	0.87
21.	Vengaihanakere, Bengaluru		2.12	2.01
22.	Venkateshpura Lake, BDA	2009-10	0.47	0.74
23.	Vibhuthipura Lake, BDA	2013-14	3.37	0.68
24.	Yelahanka Lake, BBMP	2011-13	16.15	14.34
Other cities				
25.	Akkamahadevi Lake, Haveri	2005-12	2.64	2.52
26.	Alarwad Tank, Belagavi	2012-13	1.00	0.63
27.	Amanikere Lake, Tumakuru	2008-14	13.37	9.09
28.	Bhishma Lake, Gadag	2004-12	2.50	2.33
29.	Dalvoy Lake, Mysuru	2013-14	1.17	0.82
30.	Gudavi Wetland, Shivamogga	2005-13	0.98	0.61
31.	Kotekere Lake, Belagavi	2004-09	5.64	5.73
32.	Kuduchi Tank (Big), Belagavi	2011-12	0.23	---
33.	Kuduchi Tank (Small), Belagavi	2012-13	0.36	---
34.	Kunnirkatte Lake, Channapatna	2007-11	0.46	0.41
35.	Magadi Wetland, Gadag	2005-14	0.66	0.39
36.	Rangarayanadoddi Lake, Ramanagara	2007-11	0.24	0.22

Source: As furnished by the implementing agencies

⁵² de-watering, dredging, earthwork excavation, fixing foundation, construction of granite/trap size stone masonry in basement, etc.

Appendix 6
Comparative study of lake area of test-checked lakes
(Reference: Paragraph 4.3/Page 18)

Sl. No.	Name of the lake	Survey No.	Area of the lake as per Shri Lakshman Rau Committee Report (Acres-guntas)	Area as per 2006 revenue survey (Acres-guntas)	Area as per Government Order (2011) (Acres-guntas)	Area as per DPR (Acres-guntas)	Area as per KRSAC (Cadastral maps) (Acres-guntas)	Area as per Record of Rights, Tenancy and Crops (RTC) (Acres-guntas)
1		3	4	5	6	7	8	9
1.	Allalasaandra Lake	15	43-1.09	41-23	41-23	NA	49-31.77	41-23
2.	Amblipura Melinakere	36	47-29.80	61-11	12-16	12-15.97	13-7.8	12-16
3.	Amruthahalli Lake	115	23-3.78	24-36	24-36	NA	25-20.752	24-36
4.	Attur Lake	81	74-0.52	56-29	56-23	90-6.2	84-9.06	56-29
		92, 39, 12		33-15	33-15			33-15
5.	B.Channasandra Lake	64	18-19.02	19-17	19-17	NA	44-6.22	19-17
6.	B.Narayanapura Lake	109	19-36.32	15-06	14-20	12-18.94	0-18	15-06
		1		284-02	284-02		597-1.1	
		6		13-15	13-15			
7.	Bellanduru Lake	12		399-14	399-14			399-14
		62		4-3	4-3			3-04
		43		166-15	166-15			166-15
		2				915-0		
8.	Chikka Bellanduru Lake	9	Not listed	67-14	67-14	NA	68-1.824	67-14
9.	Chinnappanahalli Lake	01-15	27-19.64	11-39	11-39	14-1.18	12-37.16	11-33 (Sy. No.15) 11-10 (Sy. No.17)
10.	Chokkanahalli Lake	2	8-35.68	8-02	8-02	08-02	8-24.49	8-02
		24		3-29	3-29	20-01	28-13.02	3-29
11.	Dasarahalli (Chokkasandra) Lake	5	26-12.22	24-04	26-30			24-04
12.	Doddanekundi Lake	200, 13, 25	116-11.504	56-39 (Sy. No.200) 3-15 (Sy. No.13)	118-32	111-34.65	122-20.528	56-39 (Sy. No.200) 3-15 (Sy. No.13) 75-16 (Sy. No.25)
13.	Gangashetty Lake	58		18-32	18-32		18-2.109	18-32
		46		2-35	2-35			2-35
14.	Garebhavipalya Lake	41	22-12.16		18-04	NA	17-39.017	
15.	Garudacharpalya Lake (Achanakere)	31	Not listed	5-36	5-36	NA	5-39.115	5-36
16.	Horamavu-Agara Lake	77	134-16-89	51-34	51-34	NA	52-7.831	

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Sl. No.	1	2	3	4	5	6	7	8	9
Sl. No.	Name of the lake	Survey No.	Area of the lake as per Shri Lakshman Rau Committee Report (Acres-guntas)	Area as per 2006 revenue survey (Acres-guntas)	Area as per Government Order (2011) (Acres-guntas)	Area as per DPR (Acres-guntas)	Area as per KRSAC (Cadastral maps) (Acres-guntas)	Area as per Record of Rights, Tenancy and Crops (RTC) (Acres-guntas)	
17.	Jakkur-Sampigehalli Lake	19, 16, 17, 23	123-22.08	3-14, 3-01, 38-33	160-30	160-30	156-35.182		
18.	Kaigondanahalli Lake	55	68-11	58-16	18-18	41-38.72	49-22.44	1-04 58-16	
19.	Kalkere-Rampura Kere	78, 7	43-1.8 12-14.2	3-04	30-05 3-04			NA 4-13	
20.	Kasavanahalli Lake	7	88-38.2 185-13	12-15 108-07	11-35 108-07		184-32.204		
21.	Kogilu Lake	50	43-1.09	20-30	21-30	52-28.78	55-19.84	21-30	
22.	Kowdenhalli Lake	32	444-31.2	33-18	33-18	73-28	73-32.08	33-18	
23.	Kundalahalli Lake	84	44-24.92	40-04	40-04	34-4.42	59-30.81	40-04	
24.	Mahadevapura Lake	117	25-35.42	33-24	33-24	NA	32-8.34	38-24	
25.	Mestripalya Lake	27	Not available	55-05	55-05	NA	13-22.132	55-05	
26.	Nagavara Lake	5	11-7.56	13-11	30-20	NA		2-17	
27.	Rachenahalli Lake	187	108-13.36		13-11	11-21	12-32.09		
28.	Shivanahalli Lake	28, 29, 30, 32	148-8	18-16	13-11		163-12.88	18-16	
29.	Thirumenahalli Lake	69	148-8	42-07	90-23				
30.	Varthuru Lake	82	445-31.12	73-23	14-30	NA		73-23	
31.	Venkateshpura Lake	61	6-36.72	14-30	14-30			14-30	
32.	Vibhuthipura Kere	48	9-35.2	3-22	22-27		7-20.61	3-22	
33.	Yelahanka Lake	38	36-25.20	7-10					
		63	197-27.36	45-18	45-18	44-20.37	46-22.59	53-36	
		68-78, 84-86, 105-107		53-36	53-36	297-28	288-36.90	238-08	
		319		18-04	8-18			18-04	

NA: Not available

Appendix 7

Encroachment of lake area

(Reference: Paragraph 4.5/Page 20)

Sl. No.	Name of the lake/Custodian	As per DPR	As per Joint Verification
Bengaluru			
1.	Allalasanra/BBMP	DPR not produced to Audit	Road, slum
2.	Amblipura Melinakere/BBMP	The tank is land locked with compound walls of properties abutting tank	Inlet encroached by Defence authorities
3.	Amruthahalli/BDA	DPR not produced to Audit	A family settled inside, road passes through the main bund. Lake bed being filled up and cutting trenches for BWSSB's UGD work
4.	Attur/BBMP	Building and solid wastes are unloaded in the lake bed and on bund and road; Farmers have encroached the lake area, formation of road in lake bed	100 ft. asphalted road, raising of nursery inside lake
5.	B.Channasandra/BDA	DPR not produced to Audit	The inlets to the lake missing and considerable area of the lake was taken by BDA while forming OMBR layout to allot compensatory sites
6.	B.Narayanapura/BDA	Outer Ring Road, service road and approach road to nearby localities. In addition lake land is encroached by settlements	Outer Ring Road, service road and approach road to nearby localities. In addition, lake land is encroached upon by temple, slum and other settlements
7.	Bellanduru/BDA	Encroachment in 16 acres identified	Change of water course by diverting inlet at Kempapura village noticed
8.	Chikka Bellanduru/BDA	DPR not produced to Audit	The lake inlet was missing. Earth filling, solid waste dumping
9.	Chinnappanahalli/BBMP	No encroachments indicated	Temple and a house
10.	Chokkanahalli/BBMP	No encroachments indicated	Lake bund was used as road
11.	Dasarahalli/BBMP	Road, slum	Road, slum, temple
12.	Doddanekundi/BDA	As per topographical survey in DPR the lake spread over only 111 acres. There were four inlets to the lake	Road inside fenced area of lake, temple, children's park, etc. During JPV, only three inlets were available. South-west inlet channel was missing
13.	Gangashetty/BDA	Encroachment, allotment for government school building slum and road	Inlets missing and road formed on the lake bed
14.	Garebhavipalya/BDA	DPR not produced to Audit	The lake area encroached and formation of roads on the lake area. Also a temple exists inside the lake. Earth filling inside the lake area
15.	Garudacharpalya (Achanakere)/BDA	DPR not produced to Audit	Road connecting Garudacharpalya to Outer Ring Road. Sheet houses on the northern region of the lake
16.	Horamavu-Agara/BDA	DPR not produced to Audit	Roads formation on all four sides and encroachments. Outlet encroached upon. Earth filling, breaching fencing and new encroachments for formation of bus stand noticed

Sl. No.	Name of the lake/Custodian	As per DPR	As per Joint Verification
17.	Jakkur-Sampigehalli/BDA	Not specifically indicated	Road formed inside the lake
18.	Kaigondanahalli/BBMP	No visible encroachment was seen. Downstream flow of lake is seen obstructed with development of <i>atchcut</i> area	Auditorium, lake area used as playground by school
19.	Kalkere-Rampura/BDA	Not available	A graveyard inside the lake. Earth filling was under progress at fore shore area during JPV
20.	Kasavanahalli/BBMP	Specific encroachments not mentioned	Inlet encroached by apartment builders
21.	Kogilu/BBMP	Road exist on the south east side of the tank	<i>Kutch</i> road
22.	Kowdenhalli/BBMP	More than 50 <i>per cent</i> of the tank area has been encroached by various buildings. A college has come up in the tank area	Road, residences, market place, college, dumping of debris, Government school, slum, inlet encroached
23.	Kundalahalli/BBMP	DPR not prepared	Graveyards, metal road, slum, dumping of debris
24.	Mahadevapura/BDA	DPR not produced to Audit	Outer Ring Road, service road and approach road to nearby localities. In addition, lake land is encroached upon by temple and slum
25.	Mestripalya/BDA	The lake is dry for past twenty years and original inlets and outlets lost	Three new narrow inlets drawn without identifying any catchment area to the lake. Private nursery in lake area
26.	Rachenahalli/BDA	Not specifically indicated	Encroachments and lake area diverted for formation of roads and park
27.	Shivanahalli/BDA	DPR not produced to Audit	A culvert is constructed on lake bed to provide connectivity to upcoming five star project
28.	Varthuru/BDA	Encroachment identified	Varthuru main road is main bund of the lake
29.	Venkateshpura/BDA	No encroachment	Inlet not clearly defined
30.	Vibhuthipura/BDA	Waste weir filled up and road formed	Lake area demarcated and encroached area identifiable. Earth filling noticed
31.	Yelahanka/BBMP	Solid waste and building waste are being dumped	Inlet drain encroached by granite stone walls, temple, graveyard
Other cities			
32.	Amanikere/DC, Tumakuru	As per Minutes of Meeting of District Lake Monitoring Committee dated 05.06.2014	Encroachments by human settlements were noticed
33.	Bhishma/DC, Gadag	Encroachment on the fringes of the lake as per lake inspection report of LDA dated 30.10.2003	Encroachments by human settlements were noticed
34.	Gudavi Wetland/DC, Shivamogga	As per Management Action Plan encroachment to the extent of 8 hectares	Encroachments by human settlements were noticed
35.	Kunnirkatte, Channapatna/DC, Ramanagara	As per correspondence during execution of work	Encroachments by human settlements were noticed
36.	Rangarayanadoddi/DC, Ramanagara	Not indicated in DPR	Encroachments were noticed

Appendix 8

Sources of pollution identified during Joint Physical Verification in selected lakes

(Reference: Paragraph 5.2/Page 24)

Sl. No.	Name of the lake	Main source of pollution
Bengaluru		
1.	Allalassandra Lake, BBMP	Sewage
2.	Amblipura Melinakere, BBMP	Construction debris
3.	Amruthahalli Lake, BDA	Sewage
4.	Attur Lake, BBMP	Sewage
5.	B.Channasandra Lake, BDA	Defecation
6.	B.Narayanapura Lake, BDA	Sewage
7.	Bellanduru Lake, BDA	Sewage
8.	Chikka Bellanduru Lake, BDA	Multiple (construction debris and solid waste)
9.	Chinnappanahalli Lake, BBMP	Sewage
10.	Chokkanahalli Lake, BBMP	Sewage
11.	Dasarahalli Lake, BBMP	Multiple (industrial effluents, sewage and human defecation)
12.	Doddanekundi Lake, BDA	Sewage
13.	Gangashetty Lake, BDA	Sewage
14.	Garebhavipalya Lake, BDA	Multiple (sewage, solid waste and industrial waste)
15.	Garudacharpalya Lake, BDA	Sewage
16.	Horamavu-Agara Lake, BDA	Sewage
17.	Jakkur-Sampigehalli Lake, BDA	Sewage
18.	Kaigondanahalli Lake, BBMP	Sewage
19.	Kalkere-Rampura Lake, BDA	Multiple (sewage and construction debris)
20.	Kasavanahalli Lake, BBMP	Sewage
21.	Kogilu Lake, BBMP	Others (pesticides and fertilizers)
22.	Kowdenhalli Lake, BBMP	Sewage
23.	Kundalahalli Lake, BBMP	Multiple (solid wastes, debris and sewage)
24.	Mahadevapura Lake, BDA	Sewage
25.	Mestripalya Lake, BDA	Sewage
26.	Nagavara Lake, Bengaluru	Multiple (human defecation, construction debris, sewage and industrial effluents)
27.	Rachenahalli Lake, BDA	Sewage
28.	Shivanahalli Lake, BDA	Sewage
29.	Thirumenahalli Lake, BBMP	Industrial waste
30.	Varthuru Lake, BDA	Sewage
31.	Vengaihanakere Lake, Bengaluru	Sewage
32.	Venkateshpura Lake, BDA	Construction debris
33.	Vibhuthipura Lake, BDA	Sewage
34.	Yelahanka Lake, BBMP	Multiple (solid wastes, sewage and industrial effluents)
Other cities		
35.	Akkamahadevi Lake, Haveri	Human defecation
36.	Amanikere Lake, Tumakuru	Sewage
37.	Bhishma Lake, Gadag	Multiple (sewage and open defecation)
38.	Dalvoy Lake, Mysuru	Sewage
39.	Kempkere, Hubballi-Dharwad	Multiple (open defecation and sewage)
40.	Kolikeri, Hubballi-Dharwad	Sewage
41.	Kotekere Lake, Belagavi	Sewage
42.	Magadi Wetland, Gadag	Human defecation
43.	Navalur Lake, Hubballi-Dharwad	Sewage
44.	Nuggikeri, Hubballi-Dharwad	Sewage
45.	Sadankeri, Hubballi-Dharwad	Sewage
46.	Unkal Main Lake, Hubballi-Dharwad	Sewage
47.	Unkal Small Lake, Hubballi-Dharwad	Multiple (human defecation and cattle washing)

Appendix 9
Details of possible breach of buffer zone
(Reference: Paragraph 6.4/Page 43)

Sl. No.	Name of the lake	Survey Numbers and Village/Hobli	Nature of possible breach of buffer zone
1	Amblipura Melinakere	Survey numbers 33, 34, 35 and 36 of Amblipura Melinakere	Private Apartments - Sai Shree Apartments
		Survey numbers 33, 34 and 36 of Amblipura Melinakere	Manoj lake view residency, No.21, Ward No.150
		Survey numbers 29 and 33 of Amblipura Melinakere	Jana Jeeva Silver Palm Apartments
		Survey numbers 27 and 30 in Amblipura Melinakere	SJR Park Vista Apartments
2	Allalassandra	Survey number 14 of Allalassandra village	Janapriya Apartments abutting lake and storm water drain
3	Chinnappanahalli	Survey numbers 16 and 44 of Chinnappanahalli village	Private Apartments, Chinnappanahalli village
		Survey numbers 14 and 44 of Chinnappanahalli village	Shri Lorven Nest Apartments, Chinnappanahalli village
		Survey numbers 14, 16 and 44 of Chinnappanahalli village	Saroj Aquila Apartments, Chinnappanahalli village
4	Dasarahalli	Survey number 15 of Dasarahalli village	Slum
5	Kasavanahalli	Survey numbers 47, 48 and 49 of Kasavanahalli village.	Private Apartments construction
		Survey numbers 8, 27, 31 and 32 of Kasavanahalli/Haralur village	Private Apartments construction
6	Kaigondanahalli	Survey numbers 69/1, 69/2 and 63(P)	Construction of villas Kasavanahalli, Haralur Road
		Survey number 63 of Kasavanahalli village	Private Apartments Kasavanahalli, Haralur Road
		Apartments in Survey number 9 of Kaigondanahalli village	Mitra Spring Valley Apartments, Kaigondanahalli village
		Survey number 11 of Kaigondanahalli village and Survey number 68 of Kasavanahalli village	Water Mark Homes Apartments, Kaigondanahalli and Kasavanahalli villages

Source: Survey numbers and location as per KRSAC maps

GLOSSARY	
BBMP	Bruhat Bengaluru Mahanagara Palike
BDA	Bengaluru Development Authority
BWSSB	Bengaluru Water Supply and Sewerage Board
CC	City Corporation
CDP	Comprehensive Development Plan
CMC	City Municipal Council
DC	Deputy Commissioner
DPR	Detailed Project Report
GoI	Government of India
GPS	Global Positioning System
ITI	Indian Telephone Industries
JPV	Joint Physical Verification
KIADB	Karnataka Industrial Area Development Board
KSPCB	Karnataka State Pollution Control Board
KRSRAC	Karnataka State Remote Sensing Applications Centre
LDA	Lake Development Authority
MLD	Million Litre per Day
MPSMAS	Mahadevapura Parisara Samrakshane Matthu Abhivruddhi Samithi
NGO	Non-Governmental Organisation
NLCP	National Lake Conservation Plan
NWCP	National Wetland Conservation Programme
PCCF	Principal Chief Conservator of Forests
RCC	Reinforced Cement Concrete
RMP	Revised Master Plan
RTC	Record of Rights, Tenancy and Crops
STP	Sewage Treatment Plant
SWD	Storm Water Drain
UDD	Urban Development Department
UGD	Underground Drainage
ULB	Urban Local Body