



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
Karnataka State Pollution Control Board

“ಪರಿಸರಭವನ”, 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್‌ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

No. PCB/074/STP/2012 **4975**

Dt: **05 DEC 2015**

Directions Under Section 33(A) of the Water (Prevention and Control of Pollution) Act, 1974 regarding treatment and utilization of sewage

Sub.: Compliance with the Provisions of the Water (Prevention & Control of Pollution) Act, 1974

Ref.: (1) CPCB direction No. A-19014/43/06-MON/709 Dt. 21.08.2015
(2) Proceedings of 199th Board meeting held on 8.9.2015

Whereas, amongst others under Section 17 of the Water (Prevention and Control of Pollution) Act 1974, one of the functions of State Pollution Control Board (SPCB), Constituted under the Water (Prevention and Control of Pollution) Act, 1974 is to plan a comprehensive programme for prevention, control or abatement of pollution of streams and wells in the state and to secure the execution thereof. The State Pollution Control Board under section-17(g) of the Water (Prevention and Control of Pollution) Act, 1974 has been mandated with responsibility to lay down, modify or annul effluent standards for the sewage and trade effluents and the quality of receiving waters (not being water in an inter-state stream) resulting from the discharge of effluents and to classify waters of the state;

Whereas, the single major source of water resources, are being deteriorated by sewage which contributes to 70% of the pollution load to water bodies and rest is from agricultural runoff and industries. Consumption of polluted water has adverse impact on human health and aquatic life;

Whereas, water quality monitoring results of rivers in Karnataka indicated that water quality has been affected at various stretches because of disposal of untreated or partially treated sewage into the water bodies and as a result, there are high number of fecal coliform bacteria making the water body unfit for human consumption or for other uses;

Whereas, in the state of Karnataka out of 219 local bodies only 55 Sewage Treatment Plants are functional to treat the effluent;

Whereas, the cities and towns are not having adequate system for sewage collection and its treatment and thus entire waste water either joins rivers or lakes or remains inundated on land causing potential risk to the ground water contamination;

The CPCB realizing that the river and water bodies have been polluted and to prevent further deterioration of surface, subsurface & coastal water has issued directions under sec. 18(1)(b) of The Water (Prevention and Control of Pollution) Act, 1974 to the KSPCB to comply with following;

1. State Pollution Control Board shall make mandatory for local/urban bodies to set up a sewerage system for sewage collection, underground conveyance, treatment and its disposal to cover the entire local/urban area to bridge the widening treatment gap long with enforcement of consent management in line with standards for sewage treatment (Annexure-I)
2. SPCB/PCC shall issue directions to all municipalities and other concerned authorities in the State/UT responsible for treatment and disposal of sewage

The matter was deliberated in 199th Board meeting held on 08.09.2015. It is mandatory for KSPCB to comply with the direction issued under sec. 18(1)(b) of The Water (Prevention and Control of Pollution) Act, 1974. Hence, the following directions under section 33(A) of The water (Prevention and control of Pollution) 1974. Hence following directions are hereby issued for compliance:

All the municipalities and other concerned authorities in the Karnataka responsible for treatment and disposal of sewage shall treat and dispose sewage to following effect

- I) The existing STPs which are being operated before issuance of these directions shall meet the revised standards as per Annexure I within two years from the date of issuance of these directions.
- II) Local bodies which does not process consent shall seek consent under Water(Prevention and Control of Pollution) Act,1974 from the KSPCB within a period of 60 days.
- III) Secondary treated sewage should be mandatorily sold for use for non-potable purposes such as industrial purposes, railways and bus cleaning, flushing of toilets through dual piping, horticulture and irrigation. No potable water to be allowed for such activities. They will also digest methane for captive power generation to further improve viability of STPs.

- IV) Local bodies shall enforce dual piping system in new housing constructions for use of treated sewage for flushing purpose.
- V) The municipal authority and the concerned authority shall submit a time bound action plan for setting up sewerage system covering proper collection, treatment and disposal of sewage generated in the local/urban area and such plan shall be submitted by the Municipal Authority to the State Board within a period of 90 days so as to treat the sewage to the standard given in Annexure-I.
- VI) The new sewage treatment plants which will come into existence after the issuance of these directions shall be designed to treat and achieve standards given in Annexure-I.

The recipient of this direction shall acknowledge the receipt of these directions within 10 days and shall communicate the status on the actions taken to achieve within 30 days informing the status of consents along with the action plan for treatment and disposal of sewage

Sd/-
CHAIRMAN

To,

1. All Urban local bodies (list enclosed)
2. Chairman, Bangalore Water Supply and Sewerage Board, Kaveri Bhavan, KG Road, Bangalore

Copy submitted to :

- (1) Chairman, Central Pollution Control Board, Parivesh Bhavan East Arjun Nagar, Delhi
- (2) Additional Chief Secretary to Government, Urban Development Department, Room No.436, Vikasa Soudha, Bangalore
- (3) Directorate of Municipal Administration, 9th floor & 10th floor, Vishveshwariah Tower, Dr. B.R. Ambedkar Veedhi, Bengaluru -560001.

Copy to: (1) CEO-3, All RSEOs, ROs of KSPCB for information and to enforce the direction as well as bring to notice of Deputy Commissioners of your jurisdiction

- (2) E-governance cell for information and to host the direction on Board's web site


MEMBER SECRETARY

Annexure-I

EFFLUENT DISCHARGED STANDARDS FOR SEWAGE TREATMENT PLANT

SI No	Parameters	Parameters Limit
1	pH	6.5-9.0
2	BOD(mg/l)	Not more than 10
3	COD(mg/l)	Not more than 50
4	TSS(mg/l)	Not more than 20
5	NH ₄ -N(mg/l)	Not more than 5
6	N-Total (mg/l)	Not more than 10
7	Fecal Coliform(MPN/100ml)	Less than 100

Note:

1. The above standards are applicable for the new STPs to be established / proposed with immediate effect. For existing STPs to above standard shall be achieved by necessary upgradation of the system within two years
2. These standards are applicable for the Sewage treated for the STPs established by local bodies, industries, commercial establishments, apartments, residential layout, townships, CETPs treating only sewage
3. Secondary treated sewage should be mandatorily sold for use for non-potable purpose such as industrial process, railway & bus cleaning, flushing of toilets through dual piping, horticulture and irrigation. No potable water to be allowed for such activities. They will also digest methane for captive power generation to further improve viability of STPs
4. Dual piping system should be followed in new housing constructions for use of treated sewage for flushing purpose


CHAIRMAN

1.	Chairman Bangalore Water Supply and Sewerage Board Kaveri Bhavan KG Road, Bangalore
2.	Commissioner Bruhath Bengaluru Mahanagara Palike NR Square, Bangalore
3.	Commissioner City corporation Bellary
4.	Commissioner City Corporation Kalburgi
5.	Commissioner City Corporation Davangere
6.	Commissioner City Corporation Hubli- Dharwad
7.	Commissioner City Corporation Belagavi
8.	Commissioner City Corporation Mangalore
9.	Commissioner City Corporation Mysore
10.	Commisioner City Corporation Tumkur
11.	Commisioner City Corporation Davanagere
12.	Commisioner City Corporation Vijayapura

13.	Commissioner City Municipal Council Doddaballapura, Bangalore Rural District
14.	Chief Officer City Municipal Council Anekal, Bangalore Urban District
15.	Commissioner City Municipal Council Karwar, Uttara Kannada District
16.	Commissioner City Municipal Council Sirsi, Uttara Kannada District
17.	Commissioner City Municipal Council Dandeli, Uttara Kannada District
18.	Commissioner City Municipal Council Chikkaballapura, Chikkaballapura District
19.	Commissioner City Municipal Council Chintamani, Chikkaballapura District
20.	Commissioner City Municipal Council Raichur, Raichur District
21.	Commissioner City Municipal Council Sindhanur, Raichur District
22.	Commissioner City Municipal Council Ramanagara
23.	Commissioner City Municipal Council Channapatna, Ramangar District
24.	Commissioner City Municipal Council Hospet, Bellary District
25.	Commissioner City Municipal Council Harihara, Davanagere District

26.	Commissioner City Municipal Council Shahabad, Kalaburgi District
27.	Commissioner City Municipal Council Chittapura, Kalaburgi District
28.	Commissioner City Municipal Council Haveri
29.	Commissioner City Municipal Council Ranebennur, Haveri District
30.	Commissioner City Municipal Council Yadgiri
31.	Commissioner City Municipal Council Chitradurga, Chitradurga District
32.	Commissioner City Municipal Council Udupi, Udupi District
33.	Commisioner City Municipal Council Bidar
34.	Commisioner City Municipal Council Mandya
35.	Commisioner City Municipal Council Hassan
36.	Commissioner City Muncipal Council Nippani, Belagavi District
37.	Commisioner City Municipal Council Chikkamagalur
38.	Commisioner City Municipal Council Rabakavi Banahatti, Bagalkot District

39.	Commisioner City Municipal Council Jamakhandi, Bagalkote District
40.	Commisioner City Municipal Council Bagalkote
41.	Commisioner City Municipal Council Ilkal, Bagalkote District
42.	Commisioner City Municipal Council Gadag Betageri, Gadag District
43.	Commisioner City Municipal Council Koppal, Koppal District
44.	Commisioner City Municipal Council Gangavathi, Koppal District
45.	Commisioner City Municiapal Council Chamarajanagar
46.	Commisioner City Municipal Council Kollegala, Chamarajanagar District
47.	Commisioner City Municipal Concil Madikeri, Kodagu District
48.	Commisioner City Municipal Concil Kolar
49.	Commisioner City Municipal Concil K.G.F., Kolar District
50.	Commissioner City Municipal Council Bhadravathi, Shimoga District
51.	Commisioner City Municipal Council,

	Shimoga
52.	Commisioner City Municipal Council Tiptur, Tumkur District
53.	Chief Officer Town Municipal Council Bagepalli, Chikkaballapura District
54.	Chief Officer Town Municipal Council Challakere, Chitradurga District
55.	Chief Officer Town Municipal Council Hosadurga, Chitradurga District
56.	Chief Officer Town Municipal Council Hiriyur, Chitradurga District
57.	Chief Officer Town Municipal Council Humnabad, Bidar District
58.	Chief Officer, Town Municipal Council Bhalki, Bidar District
59.	Chief Officer, Town Municipal Council Chitaguppa, Bidar District
60.	Chief Officer Town Municipal Council Badami, Bagalkote District
61.	Chief Officer Town Municipal Council Mudhol, Bagalkot District
62.	Chief Officer Town Municipal Council Mahalingapura, Bagalkot District
63.	Chief Officer Town Municipal Council. Guledgudda, Bagalkot District

64.	Chief Officer Town Municipal Council Sakaleshpura, Hassan District
65.	Chief Officer Town Municipal Council Channarayapatna, Hassan District
66.	Chief Officer Town Municipal Council Arasikere, Hassan District
67.	Chief Officer Town Municipal Council Holenarasipura, Hassan District
68.	Chief Officer, Town Municipal Council Belur, Hassan District
69.	Chief Officer Town Municipal Council Sagar, Shimoga District
70.	Chief Officer, Town Municipal Council Shikaripura, Shimoga District
71.	Chief Officer Town Municipal Council Kanakapura, Ramanagar District
72.	Chief Officer, Town Municipal Council Magadi, Ramnagara District
73.	Chief Officer Town Municipal Council Ramadurga, Belagavi District
74.	Chief Officer Town Municipal Council Gokak, Belagavi District
75.	Chief Officer Town Municipal Council Sadurga, Belagavi District
76.	Chief Officer Town Municipal Council Athani, Belagavi District

77.	Chief Officer Town Municipal Council Sankeshwar, Belagavi District
78.	Chief Officer Town Municipapal Council Mudalagi, Belagavi District
79.	Chief Officer Town Municipapal Council Wadi, Belagavi District
80.	Chief Officer Town Municipal Corporation Bailahongala, Belagavi District
81.	Chief Officer Town Municipal Corporation Chikkodi, Belagavi District
82.	Chief Officer Town Municipal Council Ullal, Dakshina Kannada District
83.	Chief Officer Town Municipal Council Bantwal, Dakshina Kannada District
84.	Chief Officer Town Municipal Council Mudbidiri, Dakshina Kannada District
85.	Chief Officer Town Minicipal Council Puttur, Dakshina Kannada District
86.	Chief Officer Town Municipal Council Shorapura, Yadgiri District
87.	Chief Officer, Town Municipal Council Shahapur, Yadgir District
88.	Chief Officer, Town Municipal Council Gurumitkal, Yadgir District
89.	Chief Officer Town Municipal Council Laxmeshwar, Gadag District

90.	Chief Officer Town Municipal Council Gajendragad, Gadag District
91.	Chief Officer Town Municipal Council Mundaragi, Gadag District
92.	Chief Officer Town Municipal Council K.R.Nagara, Mysore District
93.	Chief Officer Town Municipal Council Hunsur, Mysore district
94.	Chief Officer, Town Municipal Council Najanagud, Mysore District
95.	Chief Officer Town Municipal Council Sedam, Kalaburgi District
96.	Chief Officer Town Minicipal Council Chitapur, Kalaburgi District
97.	Chief Officer Town Munciapal Council Afzalpura, Kalaburgi District
98.	Chief Officer Town Municipal Corporation Aland, Kalaburgi District
99.	Chief Officer Town municipal Council Harappanahalli Davanagere District
100.	Chief Officer Town Municipal Council Huvinahadagali, Bellary District
101.	Chief Officer Town Municipal Council Kampli, Bellary District
102.	Chief Officer Town Municipal Council Siruguppa, Bellary District

103.	Chief Officer Town Municipal Council Sandur, Bellary District
104.	Chief Officer, Town Municipal Council, Indi, Vijayapura District
105.	Chief Officer Town Municipal Council, Basavana Bagewadi, Vijayapura District
106.	Chief Officer Town Municipal Council Muddebihal, Vijayapura District
107.	Chief Officer Town Municipal Council Sindagi, Vijayapura District
108.	Chief Officer Town Municipal Council Talikote, Vijayapura District
109.	Chief Officer Town Municipal Council, Bhatkal, Uttara Kannada District
110.	Chief Officer, Town Municipal Council Kumta, Uttara Kannada District
111.	Chief Officer, Town Municipal Council Yallapura, Uttara Kannada District
112.	Chief Officer Town Municipal Council, Kundapur, Udupi District
113.	Chief Officer Town Municipal Council Karkala, Udupi District
114.	Chief Officer Town Municipal Council Birur, Chikkamagalur District
115.	Chief Officer Town Municipal Council Tarikere, Chikkamagalur District

116.	Chief Officer Town Municipal Council Kadur, Chikkamagalur District
117.	Chief Officer Town Municipal Council Annigeri, Dharwad District
118.	Chief Officer Town Municipal Council Gajendraghata, Dharwad District
119.	Chief Officer Town Municipal Council Lakshmishwara, Dharwad District
120.	Chief Officer Town Municipal Council Gundlupet, Chamarajanagar District
121.	Chief Officer Town Municipal Council Byadagi, Haveri District
122.	Chief Officer Town Municipal Council Manvi, Raichur District
123.	Chief Officer, Town Municipal Council Devadurga, Raichur District
124.	Chief Officer, Town Municipal Council Lingasugur, Raichur District
125.	Chief Officer Town Municipal Council Hosakote, Bangalore Rural District
126.	Chief Officer Town Municipal Council Devanahalli, Bangalore Rural district
127.	Chief Officer Town Municipal Council Vijayapura, Bangalore rural District
128.	Chief Officer, Town Municipal Council Nelamangala, Bangalore Rural District

129.	Chief Officer Town Municipal Council Shidlaghatta, Chikballapura District
130.	Chief Officer Town Municipal Council Gowribidanur, Chikballapura District
131.	Chief Officer Town Municipal Council Bangarpet, Kolar District
132.	Chief Officer Town Municipal Council Malur, Kolar District
133.	Chief Officer, Town Municipal Council Mulbagal, Kolar District
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162.	Chief Officer Town Panchayath Kerur, Bagalkot district
163.	Chief Officer Town Panchayath Hungund, Bagalkot District
164.	Chief Officer, Town Panchayath Saligrama, Udupi District
165.	Chief Officer Town Panchayath Molakalmuru, Chitradurga district
166.	Chief Officer Town Panchayath Mulki, Dakshina Kannada District
167.	Chief Officer Town Pachayath Kalaghatagi, Dharwad District

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176.	Chief Officer, Town Panchayath Siddapur, Uttara Kannada District
177.	Chief Officer, Town Panchayath Mundagod, Karwar dist
178.	Chief Officer, Town Panchayath Rona, Gadag District
179.	Chief Officer, Town Panchayath Shirahatti, Gadag District
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213.	Chief Officer Town Panchayath, Thirthahalli, Shimoga District
214.	Chief Officer Town Panchayath, Koratagere, Tumkur District
215.	Chief Officer Town Panchayath Gubbi, Tumkur District
216.	Executive Officer Notified Area Committee Gokak Falls, Belagavi District
217.	Executive Officer Notified Area Committee Kuduremukha, Chikkamagalur District
218.	Executive Officer Notified Area Committee Hatti Gold Mines, Raichur District
219.	Executive Officer Notified Area Committee Hattiyangadi, Udupi District

220.	Executive Officer Notified Area Committee Bheemarayanagudi, Yadgir District
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