

**ಕರ್ನಾಟಕ ವಿಧಾನ ಪರಿಷತ್ತು**

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 (ನಾಮ ನಿರ್ದೇಶನ ಹೊಂದಿದವರು)

ಉತ್ತರಿಸಬೇಕಾದ ದಿನಾಂಕ : 21.03.2022  
 ಉತ್ತರಿಸಬೇಕಾದ ಸಚಿವರು : ಪ್ರವಾಸೋದ್ಯಮ ಹಾಗೂ ಪರಿಸರ ಮತ್ತು ಜೀವಿಪರಿಸ್ಥಿತಿ ಸಚಿವರು.

ಕ್ರಮ ಸಂಖ್ಯೆ:	ಪ್ರಶ್ನೆ	ಉತ್ತರ
ಅ)	ಬೊಮ್ಮಸಂದ್ರ ಕೈಗಾರಿಕೆ ವಲಯ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ನಿರ್ಮಾಣವಾಗಿರುವ ಬಯೋಕಾನ್ ಕಾರ್ಖಾನೆ (BIOCON) ಸ್ಥಾಪನೆ ಸಮಯದಲ್ಲಿ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಿಂದ ಸದರಿ ಕಾರ್ಖಾನೆಗೆ ನೀಡಿರುವ ಎಲ್ಲಾ ರೀತಿಯ ಅನುಮತಿ ಪತ್ರ ಪರವಾನಿಗೆ ಮತ್ತು ಇತರೆ ಕಾನೂನಾತ್ಮಕ ಅನುಮೋದನೆಗಳ ಪ್ರತಿಗಳನ್ನು ಒದಗಿಸುವುದು;	ಬೊಮ್ಮಸಂದ್ರ ಕೈಗಾರಿಕೆ ವಲಯ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ನಿರ್ಮಾಣವಾಗಿರುವ ಬಯೋಕಾನ್ ಕಾರ್ಖಾನೆ (BIOCON) ಸ್ಥಾಪನೆ ಸಮಯದಲ್ಲಿ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಿಂದ ಸದರಿ ಕಾರ್ಖಾನೆಗೆ ನೀಡಿರುವ ಎಲ್ಲಾ ರೀತಿಯ ಅನುಮತಿ ಪತ್ರ / ಅಧಿಕಾರ ಪತ್ರಗಳ ಪ್ರತಿಗಳನ್ನು ಅನುಬಂಧ-1 ರಲ್ಲಿ ನೀಡಲಾಗಿದೆ.
ಆ)	ಸದರಿ ಕಾರ್ಖಾನೆಯಿಂದ ಸುತ್ತಮುತ್ತಲಿನ ಪರಿಸರ ಮಾಲಿನ್ಯ ಮತ್ತು ಅಂತರ್ಜಲದ ಗುಣಮಟ್ಟ ಹಾಳಾಗುತ್ತಿರುವ ಕುರಿತು ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಗೆ ದೂರುಗಳು ಸಲ್ಲಿಕೆಯಾಗಿವೆಯೇ; ಹಾಗಿದ್ದಲ್ಲಿ, ಒಟ್ಟು ಎಷ್ಟು ದೂರುಗಳು ಸಲ್ಲಿಕೆಯಾಗಿವೆ; ಮತ್ತು ಈ ಕುರಿತು ಸರ್ಕಾರದ ಕ್ರಮವೇನು; (ಸಂಪೂರ್ಣ ಮಾಹಿತಿ ನೀಡುವುದು)	ಸದರಿ ಕಾರ್ಖಾನೆಯ ವಿರುದ್ಧ ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ, ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ, ಆನೇಕಲ್ ಇಲ್ಲಿಗೆ ಕಳೆದ ಒಂದು ವರ್ಷದಲ್ಲಿ (2021 ರಿಂದ ಇಲ್ಲಿಯವರೆಗೆ) ಸಲ್ಲಿಕೆಯಾಗಿರುವ ದೂರುಗಳಿಗೆ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಿಂದ ತೆಗೆದುಕೊಂಡಿರುವ ಕ್ರಮಗಳ ವಿವರಗಳನ್ನು ಅನುಬಂಧ-2 ರಲ್ಲಿ ನೀಡಲಾಗಿದೆ.  ಮುಂದುವರೆದು, ಸದರಿ ಕಾರ್ಖಾನೆಯಿಂದ ಅಂತರ್ ಜಲ ಗುಣಮಟ್ಟ ಹಾಳಾಗುತ್ತಿರುವ ಬಗ್ಗೆ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಗೆ ಯಾವುದೇ ದೂರು ಸಲ್ಲಿಕೆಯಾಗಿರುವುದಿಲ್ಲ. ಆದಾಗ್ಯೂ ಮಂಡಳಿಯು ಕಾರ್ಖಾನೆಯ ಸುತ್ತಮುತ್ತಲಿನ ಅಂತರ್ಜಲದ ಗುಣಮಟ್ಟವನ್ನು ಕಾಲಕಾಲಕ್ಕೆ ಮಾಪನ ಮಾಡುತ್ತಿದ್ದು, ಅಂತರ್ ಜಲವು ಮಲಿನವಾಗಿರುವುದು ಕಂಡು ಬಂದಿರುವುದಿಲ್ಲ. 2020-21ರಲ್ಲಿ ಅಂತರ್ ಜಲ ಗುಣಮಟ್ಟದ ವಿಶ್ಲೇಷಣಾ ವರದಿಯನ್ನು ಅನುಬಂಧ-3 ರಲ್ಲಿ ನೀಡಲಾಗಿದೆ.  ಸದರಿ ಕಾರ್ಖಾನೆಯಿಂದ ಉತ್ಪತ್ತಿಯಾಗುವ ತ್ಯಾಜ್ಯ ನೀರನ್ನು ಕಾರ್ಖಾನೆಯ ಆವರಣದಲ್ಲಿಯೇ ಸಂಸ್ಕರಿಸಿ ಮಂಡಳಿಯ ಸಮ್ಮತಿ ಪತ್ರದ ಷರತ್ತಿನಂತೆ ಸಂಸ್ಕರಿಸಿದ ನೀರನ್ನು ಕೈಗಾರಿಕೆಯ ಆವರಣದಲ್ಲಿಯೇ ಪುನರ್ ಬಳಸಲಾಗುತ್ತಿರುತ್ತದೆ.

		<p>ಸದರಿ ಕಾರ್ಖಾನೆಯು ಕೇಂದ್ರ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯ ಮಾರ್ಗಸೂಚಿಯಂತೆ ತ್ಯಾಜ್ಯ / ರೊಚ್ಚು ನೀರಿನ ಸಂಸ್ಕರಣಾ ಘಟಕಗಳಿಗೆ ಅಳತೆ ಮಾಪನ ಮತ್ತು ಕ್ಯಾಮರವನ್ನು ಅಳವಡಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ವ್ಯವಸ್ಥೆಯನ್ನು ಕೇಂದ್ರ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ / ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯ ಸರ್ವೆರ್‌ಗಳಿಗೆ ಜೋಡಿಸಲಾಗಿರುತ್ತದೆ. ವಾಯು ಗುಣಮಟ್ಟ ಮಾಪನ ಮಾಡಲು ನಿರಂತರ ವಾಯು ಗುಣಮಟ್ಟ ಪರಿವೀಕ್ಷಣಾ ಕೇಂದ್ರ (CIAAQMS) ಸ್ಥಾಪಿಸಲಾಗಿರುತ್ತದೆ. Volatile Organic Compounds ಮಾಪನ ಮಾಡಲು ನಿರಂತರ ಮಾಪನ ವ್ಯವಸ್ಥೆಯನ್ನು ಅಳವಡಿಸಲಾಗುತ್ತದೆ.</p>
ಇ)	<p>ಸದರಿ ಕಾರ್ಖಾನೆಗೆ ಸಂಬಂಧಿಸಿದಂತೆ, ರಾಷ್ಟ್ರೀಯ ಹಸಿರು ನ್ಯಾಯಮಂಡಳಿ (NGT) ಇವರಿಂದ ಯಾವುದಾದರೂ ಆದೇಶಗಳು ಜಾರಿಯಾಗಿವೆಯೇ; (ಸಂಪೂರ್ಣ ಮಾಹಿತಿ ನೀಡುವುದು).</p>	<p>ಸದರಿ ಕಾರ್ಖಾನೆಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ರಾಷ್ಟ್ರೀಯ ಹಸಿರು ನ್ಯಾಯಮಂಡಳಿ (NGT) ಇವರಿಂದ ಯಾವುದೇ ಆದೇಶಗಳು ಜಾರಿಯಾಗಿರುವುದು ಕಂಡು ಬಂದಿರುವುದಿಲ್ಲ.</p>
ಈ)	<p>ಸದರಿ ಕಾರ್ಖಾನೆಯಿಂದ ಸುತ್ತಮುತ್ತಲಿನ ಪರಿಸರ ಮಾಲಿನ್ಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಯಾವುದಾದರೂ ನ್ಯಾಯಾಲಯದ ಆದೇಶಗಳು ಜಾರಿಯಾಗಿವೆಯೇ? ಸಂಪೂರ್ಣ ವಿವರ ನೀಡುವುದು)</p>	<p>ಸದರಿ ಕಾರ್ಖಾನೆಯಿಂದ ಸುತ್ತಮುತ್ತಲಿನ ಪರಿಸರ ಮಾಲಿನ್ಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಯಾವುದೇ ನ್ಯಾಯಾಲಯದ ಆದೇಶಗಳು ಜಾರಿಯಾಗಿರುವುದಿಲ್ಲ.</p>

ಸಂಖ್ಯೆ: ಅಪಜೀ 65 ಇಎನ್‌ಜಿ 2022

(ಅನಂದ್ ಸಿಂಗ್)

ಪ್ರವಾಸೋದ್ಯಮ ಹಾಗೂ ಪರಿಸರ ಮತ್ತು ಜೀವಿಪರಿಸ್ಥಿತಿ ಸಚಿವರು.

ಅನುಬಂಧ - 2

ಕ್ರಮ ಸಂಖ್ಯೆ	ದೂರಿನ ವಿವರ	ಮಂಡಳಿ ತೆಗೆದುಕೊಂಡ ಕ್ರಮಗಳು
1	ಕೊಳಚೆ ನೀರು ಸಂಸ್ಕರಣಾ ಘಟಕದ ಅನುಚಿತ ನಿರ್ವಹಣೆ ಮತ್ತು ಶುದ್ಧೀಕರಿಸಿದ ರೊಚ್ಚು ನೀರನ್ನು ಕೈಗಾರಿಕೆಯ ಆವರಣದಲ್ಲಿ ಬಿಡುತ್ತಿರುವ ಕುರಿತು ದೂರು ಸ್ವೀಕೃತವಾದ ದಿನಾಂಕ: 25.11.2021.	ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ, ಆನೇಕಲ್‌ನ ಪರಿಸರ ಅಧಿಕಾರಿಗಳು ಸದರಿ ಕೈಗಾರಿಕೆಯನ್ನು ದಿನಾಂಕ: 25.11.2021 ಮತ್ತು 26.11.2021 ರಂದು ಪರಿವೀಕ್ಷಣೆ ನಡೆಸಿ ಕೈಗಾರಿಕೆಯವರಿಗೆ ಸದರಿ ದೂರಿನ ಕುರಿತು ಕ್ರಮ ಕೈಗೊಳ್ಳಲು ನಿರ್ದೇಶಿಸಲಾಗಿತ್ತು. ಮುಂದುವರೆದು ದಿನಾಂಕ: 29.11.2021 ರಂದು ಉದ್ದಿಮೆಯನ್ನು ಪರಿವೀಕ್ಷಣೆ ನಡೆಸಿ ಉದ್ದಿಮೆಯಿಂದ ಯಾವುದೇ ರೊಚ್ಚು ನೀರು ಉದ್ದಿಮೆಯ ಹೊರಗೆ ವಿಸರ್ಜನೆ ಇಲ್ಲದಿರುವ ಬಗ್ಗೆ ಖಾತರಿ ಪಡಿಸಲಾಗಿರುತ್ತದೆ.
2	ದಿನಾಂಕ: 26.03.2021ರಂದು ಜಿಗಣಿ ಪುರಸಭೆ ಇವರಿಂದ ಕ್ಯಾಲಸನಹಳ್ಳಿ ಕೆರೆಯಲ್ಲಿ ಮೀನುಗಳ ಸಾವಿನ ಕುರಿತು ಸ್ವೀಕೃತವಾದ ದೂರು.	ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ, ಆನೇಕಲ್‌ನ ಪರಿಸರ ಅಧಿಕಾರಿಗಳು ಸದರಿ ಕೈಗಾರಿಕೆಯನ್ನು ದಿನಾಂಕ: 26.03.2021 ರಂದು ಪರಿವೀಕ್ಷಣೆ ನಡೆಸಿ ಉದ್ದಿಮೆಯಿಂದ ಯಾವುದೇ ರೊಚ್ಚು ನೀರು ಉದ್ದಿಮೆಯ ಹೊರಗೆ ವಿಸರ್ಜನೆ ಇಲ್ಲದಿರುವ ಬಗ್ಗೆ ಖಾತರಿ ಪಡಿಸಲಾಗಿರುತ್ತದೆ.  ಮುಂದುವರೆದು, ಕ್ಯಾಲಸನಹಳ್ಳಿ ಕೆರೆಯಲ್ಲಿ ಮೀನುಗಳ ಸಾವಿಗೆ ಕೆರೆಯ ನೀರಿನಲ್ಲಿ ಕರಗಿದ ಆಮ್ಲಜನಕದ ಕೊರತೆಯಿಂದ ಸಂಭವಿಸಿರುವ ಸಾಧ್ಯತೆಯಿದೆ ಎಂದು ವರದಿ ಸಲ್ಲಿಸಿರುತ್ತಾರೆ.



ಸದಸ್ಯ ಕಾರ್ಯದರ್ಶಿ

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ  
ಬೆಂಗಳೂರು.

ಅನುಬಂಧ - 3

Public Borewell -Mastenhalli Village

Sl. No.	Parameter Analyses	Unit	Sample	Sample	Sample No.	Sample No.	Sample No.	Sample No.
			W-40	W-1603	W-2578	W-3307	W-703	W-1822
			Jun-20	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21
1	pH @25 <sup>o</sup> C	--	6.61	7.1	7.1	6.8	6.7	7.1
2	Turbidity	NTU	0.2	0.2	0.1	0.3	0.4	0.2
3	Total Dissolved Solids	mg/L	696	1118	350	1070	1280	1424
4	Sulphate as SO <sub>4</sub>	mg/L	38	27.12	10	86	125	60
5	Chloride as Cl	mg/L	125	210	34	336	348	356
6	Phenolic Compound as C <sub>6</sub> H <sub>5</sub> OH	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
7	Nitrate as NO <sub>3</sub>	mg/L	58	13.47	5	8.14	36	25
8	Total Hardness as CaCO <sub>3</sub>	mg/L	396	300	156	668	368	572
9	Calcium as Ca	mg/L	83	64	32	136	99	117
10	Magnesium as Mg*	mg/L	46	34	18	80	29	68
11	Total Alkalinity as CaCO <sub>3</sub>	mg/L	244	312	156	320	320	328
12	Fluoride as F	mg/L	0.41	0.27	0.24	0.2	0.6	BDL
13	Ammonia as N	mg/L	0.572	0.0262	0.37	BDL	BDL	BDL
14	Cyanide as CN*	mg/L	BDL	BDL	BDL	BDL	-	-
15	Sulphate as H <sub>2</sub> S	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
16	Boron as B	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
17	Copper as Cu	mg/L	BDL	BDL	BDL	0.006	BDL	BDL
18	Lead as Pb	mg/L	BDL	BDL	BDL	0.004	BDL	BDL
19	Zinc as Zn	mg/L	1	0.12	BDL	1.507	0.24	0.174
20	Nickel as Ni	mg/L	BDL	BDL	BDL	0.009	BDL	0.111
21	Total Chromium as Cr	mg/L	BDL	BDL	BDL	0.015	BDL	BDL
22	Manganese as Mn	mg/L	BDL	BDL	BDL	0.107	BDL	0.744
23	Cadmium as Cd	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
24	Iron as Fe	mg/L	BDL	BDL	BDL	0.319	0.32	BDL

### Public Borewell- Yarandahalli Village

Sl. No.	Parameter Analyses	Unit	Sample No.	Sample No.	Sample No.	Sample No.	Sample No.	Sample No.
			W-38	W-1598	W-2434	W-3302	W-698	W-1817
			Jun-20	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21
1	pH @25°C	--	7.31	7.5	6.7	6.7	6.9	7.4
2	Turbidity	NTU	0.2	0.2	0.2	0.4	0.1	2.2
3	Total Dissolved Solids	mg/L	652	1192	1554	586	884	1324
4	Sulphate as SO <sub>4</sub>	mg/L	27	24.37	75.2	21	48	59
5	Chloride as Cl	mg/L	153	194	361.1	88	256	312
6	Phenolic Compound as C <sub>6</sub> H <sub>5</sub> OH	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
7	Nitrate as NO <sub>3</sub>	mg/L	4.2	9.03	6.22	2.43	40	23
8	Total Hardness as CaCO <sub>3</sub>	mg/L	396	324	732	220	292	656
9	Calcium as Ca	mg/L	41	68.8	208	45	70	134
10	Magnesium as Mg*	mg/L	176	36.9	51.5	26	28	78
11	Total Alkalinity as CaCO <sub>3</sub>	mg/L	0.23	440	372	196	256	300
12	Fluoride as F	mg/L	0.174	0.39	0.196	0.18	0.4	BDL
13	Ammonia as N	mg/L	0.4	0.0186	0.302	0.18	BDL	0.146
14	Cyanide as CN*	mg/L	BDL	BDL	BDL	BDL	-	-
15	Sulfide as H <sub>2</sub> S	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
16	Boron as B	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
17	Copper as Cu	mg/L	0.2	0.63	BDL	0.006	BDL	BDL
18	Lead as Pb	mg/L	BDL	BDL	BDL	0.003	BDL	BDL
19	Zinc as Zn	mg/L	1.48	0.63	1.034	0.027	0.55	1.58
20	Nickel as Ni	mg/L	BDL	BDL	BDL	0.007	BDL	0.1
21	Total Chromium as Cr	mg/L	BDL	BDL	BDL	0.01	BDL	BDL
22	Manganese as Mn	mg/L	BDL	BDL	BDL	0.097	BDL	0.043
23	Cadmium as Cd	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
24	Iron as Fe	mg/L	0.3	0.21	BDL	0.276	0.32	BDL

**Public Borewell -Kyalasanahalli village**

Sl. No.	Parameter Analyses	Unit	Sample No.	Sample No.	Sample No.	Sample No.	Sample No.	Sample No.
			W-36	W-1600	W-2436	W-3304	W-700	W-1819
			Jun-20	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21
1	pH @25°C	--	7.02	7.4	6.9	6.6	7.7	7.3
2	Turbidity	NTU	0.4	0.1	0.1	0.3	0.1	2.1
3	Total Dissolved Solids	mg/L	948	1218	842	562	876	1356
4	Sulphate as SO <sub>4</sub>	mg/L	73	31.24	36.3	25	35	61
5	Chloride as Cl	mg/L	383	190	197.3	108	248	308
6	Phenolic Compound as C <sub>6</sub> H <sub>5</sub> OH	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
7	Nitrate as NO <sub>3</sub>	mg/L	34	8.76	12.43	23.56	26	24
8	Total Hardness as CaCO <sub>3</sub>	mg/L	568	320	364	216	288	512
9	Calcium as Ca	mg/L	117	67.2	104	45	50	106
10	Magnesium as Mg*	mg/L	67	36.9	25.3	25	40	60
11	Total Alkalinity as CaCO <sub>3</sub>	mg/L	124	460	312	180	228	308
12	Fluoride as F	mg/L	0.28	0.43	0.25	0.35	0.7	BDL
13	Ammonia as N	mg/L	0.24	0.0185	0.23	0.14	BDL	0.136
14	Cyanide as CN*	mg/L	BDL	BDL	BDL	BDL	-	-
15	Sulphate as H <sub>2</sub> S	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
16	Boron as B	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
17	Copper as Cu	mg/L	BDL	BDL	BDL	0.006	BDL	BDL
18	Lead as Pb	mg/L	BDL	BDL	BDL	0.006	BDL	BDL
19	Zinc as Zn	mg/L	0.3	0.12	3.053	0.144	4.2	1.607
20	Nickel as Ni	mg/L	BDL	BDL	BDL	0.006	BDL	0.1
21	Total Chromium as Cr	mg/L	BDL	BDL	BDL	0.01	BDL	BDL
22	Manganese as Mn	mg/L	BDL	BDL	0.196	0.006	0.15	0.05
23	Cadmium as Cd	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
24	Iron as Fe	mg/L	BDL	BDL	BDL	0.193	0.37	BDL

**Public Borewell -Bandenallasandra Village**

Sl. No.	Parameter Analyses	Unit	Sample No.	Sample No.	Sample No.	Sample No.	Sample No.	Sample No.
			W-35	W-1601	W-2437	W-3305	W-701	W-1820
			Jun-20	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21
1	pH @25°C	--	6.72	7.1	6.7	6.9	6.5	7.4
2	Turbidity	NTU	0.2	0.2	0.1	0.3	0.2	0.5
3	Total Dissolved Solids	mg/L	964	1708	844	582	880	814
4	Sulphate as SO <sub>4</sub>	mg/L	74	16.89	34.9	20	17	30
5	Chloride as Cl	mg/L	293	318	178.2	116	248	168
6	Phenolic Compound as C <sub>6</sub> H <sub>5</sub> OH	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
7	Nitrate as NO <sub>3</sub>	mg/L	119	20	9.72	1.5	24	14
8	Total Hardness as CaCO <sub>3</sub>	mg/L	572	408	344	248	292	336
9	Calcium as Ca	mg/L	117	86.4	112	128	58	70
10	Magnesium as Mg*	mg/L	68	46.6	15.6	29	36	39
11	Total Alkalinity as CaCO <sub>3</sub>	mg/L	168	356	308	220	300	284
12	Fluoride as F	mg/L	0.16	0.2	0.248	0.17	0.5	BDL
13	Ammonia as N	mg/L	0.3	0.0461	0.21	0.1	BDL	BDL
14	Cyanide as CN*	mg/L	BDL	BDL	BDL	BDL	-	-
15	Sulphate as H <sub>2</sub> S	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
16	Boron as B	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
17	Copper as Cu	mg/L	BDL	BDL	BDL	0.005	BDL	BDL
18	Lead as Pb	mg/L	BDL	BDL	BDL	0.001	BDL	BDL
19	Zinc as Zn	mg/L	5.4	0.56	0.994	0.015	0.62	0.484
20	Nickel as Ni	mg/L	BDL	BDL	BDL	0.006	BDL	BDL
21	Total Chromium as Cr	mg/L	BDL	BDL	BDL	0.006	BDL	BDL
22	Manganese as Mn	mg/L	0.1	BDL	0.102	0.3	BDL	0.045
23	Cadmium as Cd	mg/L	BDL	BDL	BDL	BDL	BDL	BDL
24	Iron as Fe	mg/L	0.3	BDL	BDL	0.211	0.34	BDL

G20004-1



**Consent For Operation  
(CFO-Air,Water)**

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Fax:080-25586321  
email id: ho@kspcb.gov.in

Consent No. AW-303117  
Valid upto: 30/06/2021

Industry Colour: RED \*Industry Scale: LARGE

(This document contains 9 pages including annexure & excluding additional conditions)

Combined Consent Order No. AW-303117 PCB ID: 10305 Date: 17/07/2017

**Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act, 1974 and emission under the Air (Prevention and Control of Pollution) Act, 1981**

- Ref: 1. Application filed by the applicant/organization on 18/04/2016  
2. Inspection of the industry/organization by RO, on 10/04/2016  
3. Proceedings of the CCM dated 07/07/2017, held on 03/07/2017

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 (herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, (herein referred to as the Air Act) and the Rules and Orders made there under and authorized the Occupier to operate /carryout industry/activity & to make discharge of the effluents & emissions conforming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

**Location:**

Name of the Industry: Biocon Limited  
Address: Plot No. 2,3,4 & 5, Bommasandra Jigani Link Road, ; Bangalore  
Industrial Area: Bommasandra IV Phases Ind Area, Baommasandra, IV Phase,  
Taluk: Anekal-Jigani hobli, District: Bangalore Urban

**CONDITIONS:**

**a) Discharge of effluents under the Water Act:**

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Boiler Feed	2023.000	180.000	Utilities (Treated in ETP follwd by RO. Boiler feed&cooling. RO rejects treated in MEE. salt dispd. TSDF
2	Domestic Purpose	170.000	148.000	Domestic effluent is being treated in Common STP of capacity 300 KLD
3	Domestic Purpose	0.000	69.000	Biocon Limited Formulation-Consumed from Process Qty (treated in Common STP of 300 KLD capacity)
4	Domestic Purpose	28.000	24.000	Syngene International Limited (treated in Common STP of 300 KLD capacity)
5	Domestic Purpose	10.000	9.000	Biocon Research Limited (Treated in Common STP of 300 KLD capacity)
6	Manufacturing Processes	1551.000	858.000	R.O. (Treated in ETP follwd by RO. Boiler feed&cooling. RO rejects treated in MEE. salt dispd. TSDF
7	Others .....	150.000	0.000	Gardening
8	Others .....	474.000	393.000	washing (Treated in ETP follwd by RO. Boiler feed&cooling. RO rejects treated in MEE. salt dispd. TSDF

**b) Discharge of Air emissions under the Air Act from the following stacks etc.**

**Sl. No. Description of chimney/outlet Limits specified refer schedule**

The details of Sources, control equipments and its specification, type of fuel, constituents to be controlled in emissions etc. are detailed in Annexure-II.





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email id: ho@kspcb.gov.in

Industry Colour: RED Industry Scale: LARGE

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The consent for operation is granted considering the following activities/Products:

Sr	Product Name	Applied Qty/Month	Unit
1	Aliskiren	32.0000	KGS
2	Astosibin	5.0000	KGS
3	Atorvastatin	2083.3330	KGS
4	Bimatoprost	0.1500	KGS
5	Bivalirudin	1.2500	KGS
6	Bmab 100	5.0000	KGS
7	Bmab200	5.0000	KGS
8	Brinzolamide	1.7500	KGS
9	Carboprost	0.1600	KGS
10	Caspofungin diacetate	50.0000	KGS
11	Daptomycin	37.5000	KGS
12	Dorzolamide hydrochloride	0.8750	KGS
13	Duloxetine	5000.0000	KGS
14	Eplerenone	500.0000	KGS
15	EPO	0.0131	KGS
16	Eptifibatide	5.0000	KGS
17	Everolimus	3.0000	KGS
18	Exenatide	8.3000	KGS
19	Fluvastatin	208.3330	KGS
20	Formulation of Capsules	2400000.0000	NOS
21	Formulation of dry Syrup	150000.0000	KGS
22	Formulation of Injections	150000.0000	NOS
23	Formulation of Syrup	150000.0000	KGS
24	Formulation of Tablets	9000.0000	KGS
25	GCSF	0.1674	KGS
26	Geldanamycin	25.0000	KGS
27	Glargine	20.8300	KGS
28	Glatiramer	0.8330	KGS
29	hR3	2.5100	KGS
30	Human growth hormone	3.0000	KGS
31	Human Insulin	166.6660	KGS
32	Human serum albumin (HSA)	200.0000	KGS
33	Hyaluronic acid	500.0000	KGS
34	Hydroxy camrenone	18.3300	KGS
35	Ibandronatesodium	46.0000	KGS
36	Immunomycin	250.0000	KGS
37	IN-105	500.0000	KGS
38	Insulin Pens	195000.0000	NOS
39	Ivabradinehydrochloride	5.0000	KGS
40	Latanoprost	0.0416	KGS
41	Lispro/ aspart	160.0000	KGS
42	Lovastatin	2083.3330	KGS
43	Lubiprostone	0.0416	KGS
44	Micafungin	5.0000	KGS
45	Monoclonal antibodies	0.4160	KGS
46	Mycophenolate Mofetil(MMF)	416.6600	KGS
47	Mycophenolic Acid(MPA)	416.6600	KGS
48	Nateglimide	166.6660	KGS
49	Opt-80/ par 101	41.6600	KGS
50	Orlistat	833.3330	KGS
51	Pimecrolimus	41.6600	KGS
52	Pioglitazone	833.3330	KGS
53	Pneumocandin	5.8330	KGS
54	Pravastatin	1666.6660	KGS
55	Repaglinide	166.6660	KGS
56	Retepase	0.1500	KGS
57	Rosiglitazone Maleate	125.0000	KGS
58	Rosuvastatin	208.3330	KGS
59	Semisolid dosage forms	2400.0000	KGS
60	Simvastatin	5000.0000	KGS
61	Similaras	20.8300	KGS
62	Somatropin concentrated solution	0.0830	KGS
63	Speciality Enzymes	1250.0000	KGS
64	Synthetic	2.5200	KGS
65	Tacrolimus	16.6600	KGS
66	Temsirolimus	10.0000	KGS
67	Travoprost	0.0416	KGS
68	Voeltibose	0.8330	KGS



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(This document contains 9 pages including annexure & excluding additional conditions)

This consent is valid for the period from 18/04/2016 to 30/06/2021

For and on behalf of the  
Karnataka State Pollution Control Board



**B G MOHANKRISHNA -  
CHIEF/SENIOR ENVIRONMENTAL  
OFFICER**

To,  
Biocon Limited

**COPY TO:**

The Environmental Officer, KSPCB, Regional Office Bangalore Anekal for information and necessary action.

2. Master Register.
3. Case file.

Consent Fee paid : Rs. 400000

**SCHEDULE**

**TERMS AND CONDITIONS**

**A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.**

1. The discharge from the premises of the occupier shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.
- 2(a). The sewage/domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470 Part-I & Part-II.
- 2(b). The treated sewage effluent discharged shall conform to the standards specified in Annexure-I.
- 3(a). The trade effluent generated in the industry shall be treated in the ETP and treated effluent shall conform to the standards stipulated by the Board in Annexure-I.
- 3(b). The trade effluent shall be handed over to CETP and maintain logbook of effluent generated & sent every day.
4. The applicant shall install flow measuring/recording devices to record the discharge quantity and maintain the record.
5. The applicant shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous consent/ permission of the Board.
6. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.
7. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order:
8. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises is not permitted.



**Consent For Operation  
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**B. EMISSIONS:**

1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure-II** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under. The tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure-II.

2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.

3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

**C. WATER CESS:**

1. The applicant shall provide water meter at all the intake points as specified under Section (5) of the Water Cess Act, 1977 and shall file the Water Cess returns regularly before fifth of every month and also pay the Cess assessed with the time stipulated.

**D. MONITORING & REPORTING:**

1. The applicant shall get the samples of effluents & emissions collected and get them analyzed once a month/ either by in house monitoring laboratory or through EP approved laboratories for the parameters as indicated in Annexure I & II.

2. The applicant shall maintain log books to reflect the working condition of pollution control systems and also self monitoring results and keep it open for inspection.

**E. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:**

1. The applicant shall segregate solid waste from Hazardous Waste, Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to the surrounding Environment.

2. The solid waste generated shall be handled & disposed by scientific method without causing eye sore to the general public and to the surrounding environment.

**F. NOISE POLLUTION CONTROL:**

1. The applicant shall ensure that the ambient noise levels within its premises shall not exceed the limits i.e 75 dB(A) Leq during day time and 70 dB(A) Leq during night time as specified in under the Air (Prevention and Control of Pollution) Act, 1981.

**G. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) Rules 2016:**

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundary Movement) Rules 2016.

**H. GENERAL CONDITIONS:**

1. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.

2. The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.

3. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.

4. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.

5. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.

6. The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments.



**Consent For Operation  
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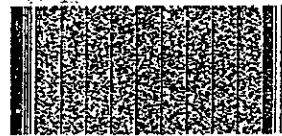
7. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should made easily approachable.
8. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.
9. The applicant his heirs, legal representatives or assignee shall have no claims what so ever to the continuation or renewal of this consent after expiry of the validity of consent.
10. The applicant shall make an application for consent for subsequent period at least 45 days before expiry of this consent.
11. The applicant shall develop and maintain adequate green belt all around the periphery.
12. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.
13. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court
14. The applicant shall furnish the Environmental statement for every financial year ending with 31st March in Form-V as per Environment (Protection) Rules, 1986. The statement shall be furnished before the end of September.
15. The applicant shall display flow diagram of the pollution control system near the pollution control system/s.

**NOTE:**

The Conditions Nil mentioned in the schedule are not applicable.

**Additional Conditions:**

For and on behalf of the  
Karnataka State Pollution Control Board



**B G MOHANKRISHNA -  
CHIEF/SENIOR ENVIRONMENTAL  
OFFICER**

Chimney No.	Chimney attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed, in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	Any Other....	Kilo lab		3. PM(mg/NM3), SO2 (PPM), NOx(PPM)	Acid mist, H2s		SCR	Before commissioning.



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2	Any Other....	All Isolators, Ground Flr	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Acid mist, H2s	SCR	Before commissioning.	
3	Any Other....	SCR-6 connecte d VFD,M EE	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist , H2S	PRT,SCR	Before commissioning.	
4	Any Other....	Scrubber -5 connecte d Aer	7 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist , H2S	SCR	Before commissioning.	
5	Any Other....	Scrubber -4 connecte d Equ	7 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist , H2S	PRT,SCR	Before commissioning.	
6	Any Other....	Scrubber -3 connecte d cen	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist , H2S	PRT,SCR	Before commissioning.	
7	Any Other....	Scrubber -2 connecte d cl	8 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist , H2S	PRT,SCR	Before commissioning.	
8	Any Other....	Scrubber -1 connecte d cla	8 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist , H2S	SCR	Before commissioning.	
9	Boiler	Boiler-3 16 TPH	45 PM(mg/NM3),SO2 (PPM),NOx(PPM)	0,100,0	F.O	HLS,PRT	Before commissioning.
10	Boiler	HRSG 12 TPH Boiler	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	0,0,0	---	N.A	Before commissioning.
11	Boiler	HRSG 12 TPH Boiler	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	0,0,0	---	N.A	Before commissioning.
12	Boiler	HRSG 12 TPH Boiler	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	0,0,0	---	N.A	Before commissioning.
13	Any Other	Gas Turbine 4.2 MW	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	0,100,0	DIE	N.A	Before commissioning.
14	Any Other	Gas Turbine 4.2 MW	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	0,100,0	DIE	N.A	Before commissioning.
15	Any Other	Gas Turbine 4.2 MW	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	0,100,0	DIE	N.A	Before commissioning.
16	Acid Mists	Blower connecte d to Walk	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist,H2S		N.A	Before commissioning.
17	Acid Mists	Blower conected. Fume3& 4	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist,H2S		N.A	Before commissioning.
18	Acid Mists	Blowerco nnted.to Fume 1&2	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist,H2S		N.A	Before commissioning.
19	Acid Mists	Blower connecte d to QC	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist,H2S		N.A	Before commissioning.
20	Acid Mists	QC block fume hood	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist,H2S		SCR	Before commissioning.
21	Acid Mists	Bench fume hood - First f	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist,H2S		SCR	Before commissioning.
22	Acid Mists	Walk in fume hood - First	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist,H2S		SCR	Before commissioning.



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Industry Colour: RED      Industry Scale: LARGE

(This document contains 9 pages including annexure & excluding additional conditions)

23	Acid Mists	QC area - First floor	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist,H2S	SCR	Before commissioning.
24	Acid Mists	Process area - First floo	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist,H2S	SCR	Before commissioning.
25	Acid Mists	Process area - Ground flo	3 PM(mg/NM3),SO2 (PPM),NOx(PPM)	acid mist,H2S	SCR	Before commissioning.
26	D.G. Sets	DG Set-4 1.6 MW	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50 DIE	AEC	Before commissioning.
27	D.G. Sets	2000KV A DG-V	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50 DIE	AEC	Before commissioning.
28	D.G. Sets	2000KV A DG-IV	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50 DIE	AEC	Before commissioning.
29	D.G. Sets	2000KV A DG-III	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50 DIE	AEC	Before commissioning.
30	D.G. Sets	2000KV A DG-II	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50 DIE	AEC	Before commissioning.
31	D.G. Sets	2000KV A-I	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50 DIE	AEC	Before commissioning.
32	Any Other....	Product Handling Area 13	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
33	Any Other....	Product Handling Area 10	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
34	Any Other....	Product Handling Area 9	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
35	Any Other....	Product Handling Area 8	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
36	Any Other....	Product Handling Area 7	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
37	Any Other....	Product Handling Area 6	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
38	Any Other....	Product Handling Area 5	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
39	Any Other....	Product Handling Area 4	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
40	Any Other....	Product Handling Area 3	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
41	Any Other....	Product Handling Area 2	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
42	Any Other....	Product Handling Area 12	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
43	Any Other....	Product Handling Area 11	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
44	Any Other....	Product Handling Area 1	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Particulate matter	FIL,PRT	Before commissioning.
45	Any Other....	Process Reactor 9	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Acid Mist &H2S	PRT,SCR	Before commissioning.
46	Any Other....	Process Reactor 8	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Acid Mist &H2S	PRT,SCR	Before commissioning.
47	Any Other....	Process Reactor 7	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Acid Mist &H2S	PRT,SCR	Before commissioning.
48	Any Other....	Process Reactor 6	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Acid Mist &H2S	PRT,SCR	Before commissioning.



**Consent For Operation**  
**(CFO-Air,Water)**

Consent No. AW-303117  
Valid upto: 30/06/2021

Karnataka State Pollution Control Board  
Parisara Bhavana, No.49, Church  
Street, Bengaluru-560001  
Tele : 080-25589112/3, 25581383  
Fax: 080-25586321  
email id: ho@kspcb.gov.in

Industry Colour: RED Industry Scale: LARGE

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49	Any Process Other..... Reactor 5	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Acid Mist &H2S	PRT,SCR	Before commissioning.
50	Any Process Other..... Reactor 4	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Acid Mist &H2S	PRT,SCR	Before commissioning.
51	Any Process Other..... Reactor 3	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Acid Mist &H2S	PRT,SCR	Before commissioning.
52	Any Process Other..... Reactor 2	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Acid Mist &H2S	PRT,SCR	Before commissioning.
53	Any Process Other..... Reactor 1	20 PM(mg/NM3),SO2 (PPM),NOx(PPM)	Acid Mist &H2S	PRT,SCR	Before commissioning.
54	D.G. DG Set 1 Sets -1.6 MW	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50 DIE	AEC,PRT	Before commissioning.
55	D.G. DG Set 3 Sets -1.6 MW	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50 DIE	AEC,PRT	Before commissioning.
56	D.G. DG Set 2 Sets -1.6 MW	30 PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50 DIE	AEC,PRT	Before commissioning.
57	Boiler Boiler 1 & 2-16 TPH each	60 PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,100,50 F.O	PRT	Before commissioning.

Note:

SCR : Scrubber

PRT,SCR : Port Hole

HLS,PRT : Heater/Furnace-Low Sulphur Fuel

N.A : Not Applicable

N.A : Not Applicable

N.A : Not Applicable

SCR : Scrubber

AEC : Acoustic Enclosures

FIL,PRT : Bag Filter

AEC,PRT : Acoustic Enclosures

PRT : Port Hole

Note:

- The Noise levels within the premises shall not exceed 75 dB (A) leq during day time and 70 dB(A) leq during night time respectively
- The DG set shall be provided with acoustic measures as per Sl.No.94 in Schedule-I of Environment (Protection) Rules.
- There shall be no smell or odour nuisance from the industry.



**Consent For Operation  
(CFO-Air,Water)**

Consent No. AW-303117  
Valid upto: 30/06/2021

Industry Colour: RED Industry Scale: LARGE

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**LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.**

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2 (\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period
3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.
4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.



**Additional Conditions to accompany Consent Order of M/s. Biocon Limited., Plot no.2,3,4 & 5, Bommasandra Industrial Area, Jigani Bommasandra Link Road, Anekal Taluk, Bangalore Urban District**

**Preamble:** M/s. Biocon Limited located at Plot.No.2, 3, 4 & 5, Bommasandra- Jigani Link Road, Industrial Area, 4<sup>th</sup> Phase, Anekal Taluk, Bangalore Urban District engaged in the manufacture of bulk drug & biotech products. The number of units operating in Biocon park are as follows:

1. Biocon Limited.,
2. Syngene International Ltd.,
3. Biocon Research limited

The industry has applied for consent for operation for the period 01.07.2016 to 30.06.2021.

The subject was placed before the 108<sup>th</sup> Consent Committee Meeting held on 3.7.2017 and the CCM recommended to issue of CFO up to 30.06.2021 with specific condition that Industry shall submit a Notarized undertaking that they will , produce modified EC by including all the 61 products with respective quantities within 6 months time.

Industry has submitted notarised affidavit vide ref No: BIL/EHS/17-07-04 Dated: 12-07-2017 , as per the CCM meeting held on 03-07-2017.

The subject of issue of consent was discussed in the Consent Committee Meeting held on 03.07.2017 where in committee recommended to issue CFO under Water Act and Air Act for the period from 01.07.2016 to 30.06.2021 with conditions.

Consent is hereby granted under section 25 of Water (Prevention and Control of Pollution) Act 1974 and under Section 21 of Air (Prevention and Control of Pollution) Act 1981 (herein after referred as the Water Act and the Air Act respectively) and the Rules and Orders made there under.

Consent is granted to "The Chief Operating Officer, M/s. BIOCON Ltd., Plot No.2, 3, 4 & 5, Bommasandra-Jigani Link Road, Industrial Area, 4<sup>th</sup> Phase, Anekal Taluk, Bangalore- 560 099" authorizing him to operate the industrial plant at above said premises and to make discharge of effluents and emissions from the premises as mentioned above subject to the terms and conditions as detailed in the schedule annexed to this order.

Discharge of effluents under the Water Act:

Type of Wastewater	Quantity in KLD	Place of Discharge
<b>A. Domestic</b>		
Biocon Limited	148	Treated sewage shall be used for gardening after confirming to standards as per Annexure-I.
Biocon Limited(formulation)	69	
Others(Syngene ,Biocon research)	33	
<b>Total</b>	<b>250 KLD</b>	

  
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B. Industrial (Low TDS)		
Process	446	Shall be treated in Effluent treatment plant followed by R.O. R.O permeate be used for boiler feed and cooling tower. R.O rejects shall be treated in MEE. Condensate from MEE after treatment be used for cooling tower. Salts shall be disposed through T.S.D.F
washings	385	
Failed batch	2	
Utilities	180	
Others ( Syngene)	8	
<b>Total</b>	<b>1021 KLD</b>	

C. Industrial (High TDS)		Shall be treated in MEE. Condensate from MEE after treatment be used for cooling tower. Salts shall be disposed through TSDF.
	Quantity	
Rejects from RO	241 KLD	
Process High TDS effluent	125.5 KLD	
Syngene	29 KLD	
Biocon Research	14.5	
<b>Total</b>	<b>410 KLD</b>	

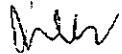
Discharge of air emissions under the Air Act from the following stacks etc.

Sl. No.	Description of chimney/outlet	Limits specified refer schedule
As per annexure II		

The consent is issued considering the manufacture of the following products;

Sl. No.	Name of the Product	Quantity Consented Max. in MT/Annum
Refer Annexure-III		

Consent fee paid	20,00,000
Capital investment	109409 LAKHS

  
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THE CONSENT IS GRANTED FOR THE PERIOD FROM 01.07.2016 TO 30.06.2021

**A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.**

**I. Quantity of the water use.**

1. The source of water shall be from BWSSB and treated waste water

	Water Consumption (m <sup>3</sup> /day)
Total Water requirement	4406 m <sup>3</sup> /day
a) BWSSB	2626 m <sup>3</sup> /day
b) Recycled	1780 m <sup>3</sup> /day

Particulars.

SL No.	Process Stream	Water Consumption (m <sup>3</sup> /day)
1	Domestic	208
2	Utilities	2023
3	Process	2025
	Washings	(474)
	R.O-1	(1551)
4	Gardening	150
	<b>Total</b>	<b>4406</b>

**II. Treatment and disposal of trade and sewage effluent**

1. The sewage shall be treated in the STP to the standards indicated in Annexure -1 of this consent order and used for gardening.
2. There shall be no bypass or discharge or trade effluents outside the factory premises under any circumstances. The unit shall adopt zero discharge as per the proposals submitted.
  - a. The treated effluent shall be completely reused for boiler, cooling tower make up and floor washings and gardening etc.
  - b. Low TDS trade effluent shall be treated in Effluent treatment plant followed by R.O. R.O permeate be used for boiler feed and cooling tower. R.O rejects shall be treated in MEE. Condensate from MEE after treatment be used for cooling tower. Salts shall be disposed through T.S.D.F.
  - c. High TDS trade effluent shall be treated in MEE. Condensate from MEE after treatment be used for cooling tower. Salts shall be disposed through TSDF.
3. The applicant is liable to reinstate or restore, damaged or destroyed elements of environment at his cost, failing which, the applicant/occupier as the case may be shall be liable to pay the entire cost of remediation or restoration and pay in advance an amount equal to the cost estimated by Competent Agency or Committee.

  
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4. The industry shall install online flow-measuring and recording devices at inlet / outlet of each stream of wastewater and shall maintain the Log Book in this regard and extract of the Log book shall be submitted to the Board and Regional office. Anekal once in a month
5. All the units of ETP shall be totally impervious
6. The bio-digester top shall be covered with suitable material to avoid escape of odorous gases and the gas collection system shall be provided & the digester gases shall be flared and efforts shall be made to use it as fuel.
7. The discharge from the effluent treatment plant shall pass through terminal manhole/manholes where from the Board shall be free to collect samples at any time in accordance with the Provisions of the act or rules made there under.
8. ~~The applicant shall furnish the daily quantity of effluent generated from the process both biodegradable and non biodegradable effluent including the scrubbed effluent generation and disposal.~~
9. The applicant shall not change or alter either the quality or the quantity or the rate of discharge or temperature or the route of discharge without the previous written permission of the Board.
10. The industry should provide alternate power supply to the ETPs, RO Plant and VTF Dryer for its uninterrupted operation.
11. The applicant shall continue to cover the treatment units & spray odour masker to avoid odour nuisance.

### III Self-Monitoring and Reporting by the Industry

The applicant shall at his own cost get the treated trade effluent samples collected and analyze the same on a daily basis and shall keep the records and shall submit the compliance report to the Regional office, once in a month along with the water used, the waste water generated, treated, discharged etc. in a complied statement, with statistical analysis in a graphical format.

1. The applicant shall monitor the ground water as per the MoEF notification no. S.O.2151, dated 17.06.2005
2. The applicant shall adopt self-monitoring system for the effluents

  
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#### A. WATER CESS

1. The applicant shall provide water meter at all the intake points as per section(5) of water Cess Act and shall file the Water cess returns regularly and also pay the cess Assessed with the time stipulated.

#### B. EMISSIONS

1. The discharge of emissions from the premises of the applicant shall pass through the stacks/chimneys mentioned in Annexure III where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under. The stacks/Chimneys heights shall be as per Annexure III.
  2. The hourly rate of emissions discharged and the tolerance limits of the constituents forming the emissions in each of the chimneys/stacks shall not exceed the limits laid down in Annexure III
  - 3.
  4. The Applicant shall provide port holes for sampling the emissions, access platforms for carrying out stack sampling, electrical points and necessary arrangements including ladder.
- 
5. (a) The industry shall take all necessary measures to avoid odour nuisance from the process area, scrubber, effluent treatment plant etc.,  
(b) Incinerator shall not be operated.

#### C. SELF MONITORING & REPORTING

1. The applicant shall at his own cost get the samples of emissions collected and get them analyzed once a month for the parameters indicated.
2. The applicant shall carryout the ambient air quality monitoring and submits the report to the Regional Office of the Board. The AAQM stations shall be carried out in all the established stations as per the requirement under the National Ambient Air Quality Monitoring standards stipulated in Environmental (Protection) Rules 1986. Monitoring shall include the parameter, PM<sub>2.5</sub>, PM<sub>10</sub>, RSPM, sulphur dioxide, Nitrogen Oxide, and H<sub>2</sub>S. The industry shall furnish statistical analysis for annual average of pollutants at all the locations as per Ambient Air Quality standards notification once in a year.
3. The Applicant shall monitor the hazardous air pollutants such methanol, toluene, methyl chloride etc. and Odorous compounds mercaptan and hydrogen sulphide from the process area general exhaust and from the process emission and report the results to the Board immediately.
4. The industry shall set up environment cell with qualified engineers & chemists for self-monitoring of all pollution control activities.

  
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5. The applicant shall:
  - a) Continue self-monitoring system.
  - b) Submit the monitoring results as under;
    - i) Data monitored as per prescribed schedule shall be submitted to the RO of Board every month.
    - ii) A compiled data of all monitoring conducted as per schedule during the consent period shall be submitted in hard copy along with Consent application.
  - c) I.P Camera provided shall be connected to CPCB and KSPCB server as and when it is ready.

**D. ENVIRONMENTAL STATEMENT**

1. The applicant shall submit the Environmental Statement every year for the period ending 31<sup>st</sup> March in Form V of Rule 14 of Environment (protection) Rule 1986 on or before 30<sup>th</sup> September.

**E. HAZARDOUS AND OTHER WASTES (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES 2016:**

1. The applicant shall comply with the Hazardous and Other waste (Management, Handling and Trans boundary Movement) Rules 2016 and obtain Authorization.
2. The details of hazardous waste generated is as below for the treatment and disposal of which Authorization under the Hazardous waste Rules shall be obtained.

Sl No.	Type of Hazardous waste	Quantity
1	Distillation residue/ Process residue waste	As indicated in the Authorization issue under Hazardous and Other waste (Management, Handling and Trans boundary Movement) Rules 2016
2	Spent solvents	
3	Concentration or evaporation residue	
4	Spent carbon	
5	Waste or residues containing oil	
6	Used or Spent Oil	
7	Empty containers/barrels	
8	Spent catalyst	
9	Liners contaminated with hazardous chemical waste	
10	Off specification products	
11	Date expired products	

  
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3. Industry shall recover and recycle the solvent to an extent of 100%
4. Industry shall have an agreement made with TSDF for disposal of land-fillable hazardous waste.
5. Industry shall not store the hazardous waste beyond 90 days as per the rules.

#### **F. SOLID WASTE MANAGEMENT**


1. The industry shall collect, treat and dispose off all solid waste generated from the process and from the effluent treatment plant other than wastes covered under the Hazardous and Other waste (Management, Handling, and Trans boundary Movement) Rules, 2016, in such manner so as not to cause environmental Pollution. Details shall be submitted to the Board before disposed.
2. The inert cell mass shall be treated in MEE and concentrated to 20KLD and shall be disposed to authorized treatment facilities for briquetting or composting.
3. Biological sludge of 5TPD shall be disposed to authorized treatment facility for further treatment.

#### **G. NOISE POLLUTION CONTROL**

1. The applicant shall comply with the ambient noise standards as stipulated under the EP rule 1986.
2. The applicant shall provide acoustic measures to the DG sets as per SI.No. 94 in Schedule- I of EP rules.

#### **H. GENERAL**

1. The applicant shall adhere to the conditions stipulated in the Environmental Clearance issued by the Ministry of Environmental & Forests, Government of India, New Delhi vide No. J-11011/96/2005-IA II (I), dated 16.8.2005.
2. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.
3. This consent for discharging sewage and/or trade effluents from the factory shall not be taken or construed as the Board's permission to continue to discharge the sewage and / or trade effluents from the factory into the place (as mentioned in this consent order) which pollutes the water there-in endangering the life and property of the persons using the said water before, during or after the periods indicated in the Terms and Conditions of this Consent Order.
4. The Applicant shall not change or alter either the quality or the quantity or the rate of emission or install/replace or alter the air pollution control equipment, change in raw material or manufacturing process resulting in change in quality and / or quantity of emissions without the prior permission of the Board.

  
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5. The industry shall not change or alter (a) raw materials or manufacturing process, (b) change the products or product mix (c) the quality, quantity or rate of discharge/emissions and (d) install /replace/alter the water or air pollution control equipments without the prior approval of the Board.
6. The applicant shall promptly comply with all the orders and instructions issued from time to time by the Board or any other officers of the Board duly authorized in this behalf
7. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.
8. The applicant shall not store any raw materials on naked ground. The applicant shall construct impervious dyke walls / tank form for storage tanks constructed above the ground level
9. The applicant shall display flow diagram of the pollution control system at the site.
- ~~10. The applicant shall ensure continuous operation and effective operation and maintenance of pollution control systems.~~
11. The applicant shall appoint a qualified environmental engineer / scientist for environment management in the factory and also establish an environment cell.
12. Applicant shall maintain the Environmental Management System in conformity with ISO 14001:2004 standards.
13. The applicant shall comply with the guidelines under Corporate Responsibilities for Environment Protection 2003 issued by MOEF and CPCB.
14. There shall maintain register recording the Ambient Air quality, Stack monitoring and Analysis report of treated effluents. The register shall be open for inspection by the Board's Officers at all times.
15. An inspection book shall be opened and made available to the Board officers during their visit to the factory.
16. The applicant shall provide alternative power supply sufficient to operate all pollution control equipments utilized by the applicant to maintain compliance with the Terms and conditions of the consent.
17. The entire premises shall be always kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should be made easily approachable

  
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18. The Applicant shall display the consent granted in a prominent place for perusal of the inspecting Officer of the Board.
19. The Applicant is heirs, legal representatives or assigns shall have no claim what so ever to the continuation or renewal of this consent after the expiry of the period of consent.
20. The industry shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment
21. The applicant shall plant and maintain adequate number of trees in and around the industry to arrest the dust emissions escaping into the surrounding area and improve the environment and aesthetic appearance of the industry and the surroundings
22. The Applicant shall make an application for consent at least 120 days before expiry of this consent
23. Industry shall comply with all the consent conditions and furnish report within 30 days to the Regional Office.

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ANNEXURE - I

Treated sewage:

SL. NO.	Characteristics.	Tolerance limits. not to exceed
1	Total Suspended Solids mg/l. Max.	30
2	Bio-chemical Oxygen Demand, mg/l. (3 days at 27°C) max.	20

ANNEXURE - II

Air Pollution Sources and Control Measures

Chi m. No	Chimney attached to	Minimum chimney height to be provided	Rate of emission NM <sup>3</sup> /Hr.	Constituents to be controlled in the emission	Tolerance limits mg/N M <sup>3</sup>	Air pollution Control equipment to be installed, in addition to chimney height as per Col.(3)
1	2	3	4	5	6	7
1	Gas Turbine-4.2 MW (SKO/HSD)	30 m AGL	-	SO <sub>2</sub>	-	chimney height as per Col.(3)
2	Gas Turbine-4.2 MW (SKO/HSD)	30 m AGL	-	SO <sub>2</sub>	-	chimney height as per Col.(3)
3	Gas Turbine-4.2 MW (SKO/HSD)	30 m AGL	-	SO <sub>2</sub>	-	chimney height as per Col.(3)
4	HRSG Boiler 12 TPH	30 m AGL	-	-	-	chimney height as per Col.(3)
5	HRSG Boiler 12 TPH	30 m AGL	-	-	-	chimney height as per Col.(3)
6	HRSG Boiler 12 TPH	30 m AGL	-	-	-	chimney height as per Col.(3)
7	Boiler 1 & 2-16 TPH each (FO)	60 m AGL (Common Chimney)	-	SO <sub>2</sub>	-	chimney height as per Col.(3)

  
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8	Boiler 3-16 TPH (FO)	45 m AGL	-	SO <sub>2</sub>	-	chimney height as per Col.(3)
9	DG Set 1-1.6 MW	30m AGL	-	NO <sub>x</sub> (as NO <sub>2</sub> ) NMHC* PM CO	970 100 100 150	Acoustic enclosure
10	DG Set 1-1.6 MW	30m AGL	-	NO <sub>x</sub> (as NO <sub>2</sub> ) NMHC* PM CO	970 100 100 150	Acoustic enclosure
11	DG Set 1-1.6 MW	30m AGL	-	NO <sub>x</sub> (as NO <sub>2</sub> ) NMHC* PM CO	970 100 100 150	Acoustic enclosure
12	DG Set 1-1.6 MW	30m AGL	-	NO <sub>x</sub> (as NO <sub>2</sub> ) NMHC* PM CO	970 100 100 150	Acoustic enclosure
13	Process Reactor 1	20 m AGL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
14	Process Reactor 2	20 m AGL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
15	Process Reactor 3	20 m AGL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
16	Process Reactor 4	20 m AGL	-	Acid Mist H <sub>2</sub> S	35 150	Scrubber
17	Process Reactor 5	20 m AGL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
18	Process Reactor 6	20 m AGL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
19	Process Reactor 7	20 m AGL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
20	Process Reactor 8	20 m AGL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber

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21	Process Reactor 9	20 m AGL		Acid Mist	35	Scrubber
				H <sub>2</sub> S	50	
22	Product Handling Area 1	20 m AGL		Particulate	50	Bag filter
23	Product Handling Area 2	20 m AGL	-	Particulate	50	Bag filter
24	Product Handling Area 3	20 m AGL	-	Particulate	50	Bag filter
25	Product Handling Area 4	20 m AGL	-	Particulate	50	Bag filter
26	Product Handling Area 5	20 m AGL	-	Particulate	50	Bag filter
27	Product Handling Area 6	20 m AGL	-	Particulate	50	Bag filter
28	Product Handling Area 7	20 m AGL	-	Particulate	50	Bag filter
29	Product Handling Area 8	20 m AGL	-	Particulate	50	Bag filter
30	Product Handling Area 9	20 m AGL	-	Particulate	50	Bag filter
31	Product Handling Area 10	20 m AGL	-	Particulate	50	Bag filter
32	Product Handling Area 11	20 m AGL	-	Particulate	50	Bag filter
33	Product Handling Area 12	20 m AGL	-	Particulate	50	Bag filter
34	Product Handling Area 13	20 m AGL	-	Particulate	50	Bag filter
35	Process area, Ground floor	3 m ARL	-	Acid Mist	35	Scrubber
				H <sub>2</sub> S	50	
36	Process area, First floor	3 m ARL	-	Acid Mist	35	Scrubber
				H <sub>2</sub> S	50	

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37	All Isolators, ground floor	3 m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
38	QC area, First floor	3 m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
39	Walk in fume hood First floor	3 m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
40	Bench fume hood First floor	3 m AGL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
41	QC block fume hood	3.4m AGL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
42	Blower connected to QC block	3.4 m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Blower
43	Process area-Fume Hood 01-02	3m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Blower
44	Blower connected - Fume 03&04	3 m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Blower
45	Blower connected to Fume 1 & 2	3 m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Blower
46	DG Set-2000 KVA-I	30_m AGL	-	NO <sub>x</sub> (as NO <sub>2</sub> ) NMHC* PM CO	970 100 100 150	Acoustic enclosure
47	2000 KVA DG-II	30_m AGL	-	NO <sub>x</sub> (as NO <sub>2</sub> ) NMHC* PM CO	970 100 100 150	Acoustic enclosure
48	2000 KVA DG-III	30_m AGL	-	NO <sub>x</sub> (as NO <sub>2</sub> ) NMHC* PM CO	970 100 100 150	Acoustic enclosure

  
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49	2000 KVA DG-IV	30_m AGL	-	NO <sub>x</sub> (as NO <sub>2</sub> ) NMHC* PM CO	970 100 100 150	Acoustic enclosure
49	2000 KVA DG-IV	30_m AGL	-	NO <sub>x</sub> (as NO <sub>2</sub> ) NMHC* PM CO	970 100 100 150	Acoustic enclosure
50	2000 KVA DG-V	30_m AGL	-	NO <sub>x</sub> (as NO <sub>2</sub> ) NMHC* PM CO	970 100 100 150	Acoustic enclosure
51	2000 KVA DG-VI	30_m AGL	-	NO <sub>x</sub> (as NO <sub>2</sub> ) NMHC* PM CO	970 100 100 150	Acoustic enclosure
52	Scrubber 1 Connected to clarifier	8 m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
53	Scrubber 2 Connected clarifier	8 m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Port Hole
54	Scrubber 3 Connected centrifuge room	3 m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Port Hole
55	Scrubber 4 Connected Equalization	7 m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Port Hole, Scrubber
56	Scrubber 5 Connected Aeration tank	7 m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Scrubber
57	Scrubber 6 Connected	3 m ARL	-	Acid Mist H <sub>2</sub> S	35 50	Port Hole, Scrubber
58	Kilo lab	3 m ARL	-	Acid Mist H <sub>2</sub> S	-	Scrubber

Note: I. The DG sets shall be provided with acoustic enclosures to as to conform to the standards stipulated under EP Rules.

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**ANNEXURE-III**  
**LIST OF PRODUCTS**

Sl. No.	Name of the product	Consent Quantity after amalgamation
1	Lovastatin	25000 Kg/Annum
2	Simvastatin	60000 Kg/Annum
3	Pravastatin	20000 Kg/Annum
4	Atorvastatin	25000 Kg/Annum
5	Rosuvastatin	2500 Kg/Annum
6	Fluvastatin	2500 Kg/Annum
7	Pioglitazone	10000 Kg/Annum
8	Nateglinide	2000 Kg/Annum
9	Repaglinide	2000 Kg/Annum
10	Rosiglitazone Maleate	1500 Kg/Annum
11	Mycophenolic Acid(MPA)	5000 Kg/Annum
12	Mycophenolate Mofetil (MMF)	5000 Kg/Annum
13	Tacrolimus	200 Kg/Annum
14	Sirolimus	250 Kg/Annum
15	Speciality Enzymes	15000 Kg/Annum
16	EPO	13.2 Gm/annum
17	GCSF	167.4 Gm/annum
18	hR3	60.16Kg/annum
19	Retepase	3.6Kg/annum

  
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20	Streptokinase	5.04 Kg/Annum
21	Human growth hormone	3.0 Kg/Annum
22	Human Insulin	4000 Kg/Annum
23	Astosibin	60 Kg/Annum
24	hydroxy caurenone	220 Kg/Annum
25	Aliskiren	384 Kg/Annum
26	Bimatoprost	1.8 Kg/Annum
27	Bivalirudin	15 Kg/Annum
28	Bmab 100	60 Kg/Annum
29	Bmab200	60 Kg/Annum
30	Brinzolamide	21 Kg/Annum
31	Carboprost	1.92 Kg/Annum
32	Caspofungin diacetate	600 Kg/Annum
33	Daptomycin	450 Kg/Annum
34	Dorzolamide hydrochloride	10.5 Kg/Annum
35	Duloxetine	60000 Kg/Annum
36	Eplerenone	6000 Kg/Annum
37	Eptifibatide	60 Kg/Annum
38	Everolimus	36 Kg/Annum
39	Geldanamycin	300 Kg/Annum
40	Glargine	250 Kg/Annum
41	Glatiramer	10 Kg/Annum

  
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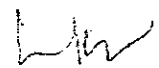
42	Human serum albumin (hsa)	2400 Kg/Annum
43	Hyaluronic acid	6000 Kg/Annum
44	Ibandronatesodium	552 Kg/Annum
45	Immunomycin	3000 Kg/Annum
46	IN-105	6000 Kg/Annum
47	Ivabradinehydrochloride	60 Kg/Annum
48	Latanoprost	0.5 Kg/Annum
49	Lispro/ aspart	1920 Kg/Annum
50	Lubiprostone	0.5 Kg/Annum
51	Micafungin	60 Kgs/Annum
52	Opt-80/ par 101	500 Kg/Annum
53	Monoclonal antibodies	5 Kg/Annum
54	Orlistat	10000 Kg/Annum
55	Pimecrolimus	500 Kg/Annum
56	Pneumocandin	70 Kg/Annum
57	Somatropin concentrated solution	1 Kg/Annum
58	Temsirolimus	120 Kg/Annum
59	Travoprost	0.5 Kg/Annum
60	Voglibose	10 Kg/Annum
61	Exenatide	100 Kg/Annum

  
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**LIST OF FORMULATION ACTIVITIES**

Sl.No	Activity	Production Capacity	Brand Names
1	Formulation of Syrup	5000 Kgs/day	Comprehensive Care
2	Formulation of Capsules.	8 Lakh/day	Cardio vascular, Diabetology, Nephrology
3	Formulation of dry Syrup.	5000 Kgs/day	Comprehensive Care
4	Formulation of Injections and Insulin Pens	5000 Injection / 6500 Pens /Day	Diabetology, Oncotherapeutics, Nephrology
5	Formulation of Tablets	300 Kgs/day	Cardio vascular, Diabetology, Nephrology
6	Semisolid dosage forms	80 Kgs/day	Immunology,

  
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**Ministry of Environment, Forest and Climate Change Conditions:**

**I. Industry shall comply the following Directions issued by CPCB to the Karnataka State Pollution Control Board, vide NO.B-29016/04/06/PCI-I/5401 Dated:5.2.2014 and NO.B-29016/04/06/PCI-I/7187 Dated:2.3.2015.**

1. Industry shall install Online continuous Stack Emission Monitoring Systems(CSEMS) for the measurement of emissions (Industry/Sector specific parameter) like,PM,NO<sub>x</sub>,SO<sub>2</sub>,Co etc.
2. Industry shall install Online Effluent quality monitoring system at the outlet of effluent treatment plants for the measurement of parameters (Industry/Sector specific parameter) like flow, pH, BOD, COD, and TSS etc.
3. Industry shall provide Online emission and effluent monitoring data shall be connected and uploaded to Board's and Central Pollution Control Board's Server.
4. Once in a month by 5<sup>th</sup>, the max, min & Average values and also the number of time, the exigencies recorded shall be submitted to Concerned Regional office of KSPCB.

**II. Ministry of Environment & Forest & climate Change has issued a Notification on 23<sup>rd</sup> November 2016, in respect of industries who are exempted from ministry for obtaining prior Environmental Clearance for expansion or modernization or change of product mix in the existing projects. In the said notification, it is directed to constitute a "Technical Committee" for evaluating such proposals submitted to State Pollution Control Board for obtaining Consents. Accordingly the Karnataka State Pollution Control Board has Constituted a Technical Committee vide dated:22.2.2017 for scrutiny of such application received for "No increase in Pollution Load" Certification. The applicants who desires to claim "No increase in Pollution Load" Certificate shall submit the application to the respective Regional Officer, in the prescribed format, to examine before the above Committee in accordance with the procedure laid down in the 23<sup>rd</sup> November 2016 Notification.**

**III. Ministry of Environment, Forest and Climate Change has published Notification on 14.3.2017 for finalizing the process for apprised of projects for grant of Terms of Reference and Environmental Clearance, which have started the work on site. expanded the production beyond the limit of environmental clearance or changed the product mix without obtaining prior environmental clearance under the Environment Impact Assessment Notification, 2006. As per the said notification the Central Government directs that the projects or activities or the expansion or modernization of existing projects or activities requiring prior environmental clearance under the Environment Impact**

  
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Assessment Notification, 2006 entailing capacity addition with change in process or technology or both undertaken in any part of India without obtaining prior environmental clearance from the Central Government or by the State Level Environment Impact Assessment Authority, as the case may be, duly constituted by the Central Government under sub-section (3) of section 3 of the said Act, shall be considered a case of violation of the Environment Impact Assessment Notification, 2006 and will be dealt strictly as per the procedure specified in the following manner:-

1. In case the Projects or activities requiring prior Environmental clearance Environment Impact Assessment Notification, 2006 from the concerned Regulatory Authority are brought for environmental clearance after starting the construction work, or have undertaken expansion, modernization, and change in product mix without prior environmental clearance, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted environmental clearance by the State Environment Impact assessment Authority constituted under sub-section (3) section 3 of the Environment(Protection) Act, 1986 shall be apprised for grant of environmental clearance only by the Expert Appraisal Committee and environmental clearance will be granted at the Central level.
2. In cases of violation, action will be taken against the project proponent by the respective state or state pollution Control Board under the provisions of section 19 of the environment (protection)Act, 1986 and further, no consent to operate or occupancy certificates will be issued till the project is granted the environmental clearance.
3. The cases of violation will be apprised by respective sector Expert Appraisal Committee constituted under sub-section (3) of Section 3 of the Environment(Protection) Act, 1986 with a view to assess that the project the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can be run sustainably under compliance of environmental norms with adequate environmental safe guards, and in case, where the finding of the Expert Appraisal Committee to negative, closure of the project will be recommended along with other actions under the law.
4. In case, where the findings of the Expert Appraisal Committee on point at sub-Para (3) above are affirmative, the projects under this category will be prescribed the appropriate terms of Reference for undertaking Environmental impact Assessment and preparation of Environment Management Plan. Further, the expert Appraisal Committee will prescribe a specific Terms and reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants. The

  
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5. collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under Environment (Protection) Act, 1986, or a environmental laboratory accredited by National accreditation Board for testing and calibration Laboratories, or a laboratory of a Council of Scientific and Industrial research institution working in the field of environment.
  6. The Expert Appraisal Committee shall stipulate the implementation of Environmental Management Plan, comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of environment clearance.
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7. The project proponent will be required to submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by Expert Appraisal Committee and finalized by Regularity Authority and the bank guarantee shall be deposited prior to the grant of environmental clearance and will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regularity Authority.

The projects or activities which are in violation as on date of this notification only will be eligible to apply for environmental clearance under this notification only within six months from the date of this notification.

  
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