Submission of half yearly Environment compliance report .-Hikal Limited- Unit-II- SEIAA Karnataka, No.SEIAA 47 IND 2020 dated 03/09/2020 25-11-2022 13:19 Megharaj Mundeli to rosz.bng-mefcc

Sub. : Submission of half yearly Compliance report to Environmental Clearance Conditions. Ref. : Environmental Clearance received from SEIAA Karnataka, No.SEIAA 47 IND 2020 dated 03/09/2020

Dear Sir,

With reference to above referred Environmental Clearance received from SEIAA Karnataka No.SEIAA 47 IND 2020 dated 03/09/2020 for Modification of and Expansion of Active Pharmaceutical ingredients and intermediates at Plot No. 28, KIADB Industrial Area, Road No.4, Vaddarapalya, Jigani, Anekal Taluk, Bangalore Urban (Karnataka) by Hikal Limited unit II. As advised, we herewith enclosing the half yearly compliance report (April -2022 to September -2022) for the conditions given in Environmental Clearance referred above along with necessary enclosures.



EC Compliance UNIT II-2022 Apr-22 to Sep-22.pdf Thanking you,,

Thanks & Regards,

Megharaj Asst.Mgr-EHS.

Hikal Limited. Unit - II No. 28, KIADB, Industrial Area, Jigani, Anekal Taluk, Bangalore - 560105, (Karanataka, India) 1 Direct Line : +91 08110421095,Extn : 8295 Board Line : +91 08110421000 Email : megharaj mundeli@hikal.com

Web: http://www.hikal.com

HİKAL

Date: 24/11

To, **Additional Principal Chief Conservator of Forests (C),** Ministry of Environment, Forest and Climate Change, Regional Office (SZ), Kendriya Sadan, 4thFloor, E&F Wings, 17thMain Road, Koramangala II Block, Bangalore – 560034



Dear Sir,

Sub.: Submission of half yearly Compliance report to Environmental Clearance Conditions Ref.: Our Environmental Clearance letter no. SEIAA 47 IND 2020 dated 03/09/2020 & Corrigendum dated 20/04/2022

With reference to above referred Environmental Clearance received from SEIAA-Karnataka for Modification and Expansion of Active Pharmaceutical ingredients (APIs) & Intermediates at Plot no28, of KIADB, Road No 4, Vaddarapalya, Jigani, Anekal Taluk by Hikal Limited unit II. We are herewith enclosing the half yearly compliance report (April -2022 to September -2022) for the conditions given in Environmental Clearance referred above along with necessary enclosures.

OC

We kindly request you to acknowledge receipt of the same.

Yours faithfully,

For HIKAL LIMITED

Dr. Ranganatha Rao. Asst. Vice President & Site Head-Unit-2



Encl: As above

CC:

- 1. Member secretory, Karnataka State Pollution Control Board, "Parisara Bhavan", #49, 4th & 5th Floor, Church Street, Bangalore 560 001.
- State Environment Impact Assessment Authority (SEIAA) Member Secretary SEIAA Karnataka, (Ecology and environment) Dept of forest ecology and environment, Government of Karnataka, Room no 709, 7th floor, 4th gate, MS building,

Hikal Ltd. Bangalore 56001.

Factory Unit II : 28, KIADB Indl. Area, Jigani, Anekal Taluk, Bangalore - 560 105, India. Tel. : +91-8110-421000

Admin. Office : Great Eastern Chambers, 6th Floor, Sector 11, CBD Belapur, Navi Mumbai - 400 614, India, Tel, : +91-22-6277 0299, +91-22-6866 0300 Regd. Office : 717, Maker Chamber - 5, Nariman Point, Mumbai - 400 021, India, Tel, : +91 22-6277 0477, +91-22-6277 0500,



Date: 24/11/2022

To, **Additional Principal Chief Conservator of Forests (C),** Ministry of Environment, Forest and Climate Change, Regional Office (SZ), Kendriya Sadan, 4thFloor, E&F Wings, 17thMain Road, Koramangala II Block, Bangalore – 560034

Dear Sir,

Sub.: Submission of half yearly Compliance report to Environmental Clearance Conditions Ref.: Our Environmental Clearance letter no. SEIAA 47 IND 2020 dated 03/09/2020 & Corrigendum dated 20/04/2022

With reference to above referred Environmental Clearance received from SEIAA-Karnataka for Modification and Expansion of Active Pharmaceutical ingredients (APIs) & Intermediates at Plot no28, of KIADB, Road No 4, Vaddarapalya, Jigani, Anekal Taluk by Hikal Limited unit II. We are herewith enclosing the half yearly compliance report (April -2022 to September -2022) for the conditions given in Environmental Clearance referred above along with necessary enclosures.

We kindly request you to acknowledge receipt of the same.

Yours faithfully,

For HIKAL LIMITED

Dr. Ranganatha Rao. Asst. Vice President & Site Head-Unit-2



Encl: As above

CC:

- 1. **Member secretory, Karnataka State Pollution Control Board**, "Parisara Bhavan", #49, 4th & 5th Floor, Church Street, Bangalore 560 001.
- State Environment Impact Assessment Authority (SEIAA) Member Secretary SEIAA Karnataka, (Ecology and environment) Dept of forest ecology and environment, Government of Karnataka, Room no 709, 7th floor, 4th gate, MS building,

Hikal Ltd. Bangalore 56001.

Factory Unit II : 28, KIADB Indl. Area, Jigani, Anekal Taluk, Bangalore - 560 105, India. Tel. : +91-8110-421000

Admin. Office : Great Eastern Chambers, 6th Floor, Sector 11, CBD Belapur, Navi Mumbai - 400 614, India. Tel, : +91-22-6277 0299, +91-22-6866 0300 Regd. Office : 717, Maker Chamber - 5, Nariman Point, Mumbai - 400 021, India. Tel, : +91 22-6277 0477, +91-22-6277 0500.



Half Yearly Compliance Report

For

Modification & Expansion of Active Pharmaceutical Ingredients (APIs) and Intermediates

At

Plot No 28 of KIADB Industrial area, Road No 4

Vaddarapalya Jigani

Anekal Taluk

Project Proponent

HIKAL LIMITED UNIT -II

Environmental Clearance vide letter no. SEIAA 47 IND 2020 on 20th April-2022

Period: April-2022 to September-2022



PROJECT OVERVIEW

 $\langle \cdot \rangle$

S. No	Features	Description					
1)	Name of the Project	M/s. Hik	M/s. Hikal Limited –Unit 2				
2)	Proposed Development /Change	Expansio	on and modification for	manufacturing of B	ulk drugs		
3)	Total Land Area of the	The Plan	The Plant facilities are spread over 8114 m2 KIADB Land				
	ProjectSite	which is	completely fortified ar	nd protected on all	four sides		
		by boundary walls. This land has been allotted by KIADB in					
		the Indus	trial area.	-			
4)	Geographical Location of	Village:	Jigani, Tehsil: Ane	kal, District: Benga	aluru,		
	theProject site	State:Ka	rnataka	1	_		
			Latitude	Longitud			
				e			
			12.77254	77.64189			
			12.77217	77.64211			
			12.77155	77.6411			
			12.77199	77.64085			
5)	Elevation	920 m ab	ove MSL				
6)	Nearest Villages	Vaddara	palya 558.7 mtr toward	s SE			
		Vaderam	anchanahalli 1.3 km k	Kalbalu 2.14 km tow	ards SW		
7)		Konasan	dra 1.82 km towards S		4 1		
/)	Nearest Railway station	Heelalige railway Station at a distance of 8.84 Km towards					
		Anekal ra	ailway station at a dista	nce of 9.24 Km tow	ards SF		
8)	Highway	NH-7 Km Bengaluru to Hosur					
		Highway	at a distance of 7.86 k	m towards NE			
9)	Airport	Kempego	owda International Airp	oort 62			
	-	kms towa	ards North, Bengaluru				
10)	Nearest major Town	Bengaluru 22.73 Kms towards North					
11)	Nearest Port	Port of C	alicut (Kozhikode) at d	listance of 263 km to	owards SW		
		Ennore K	Kamarajar Port, Chenna	i at distance 297.33	km towards		
		E					
10)		New Mar	ngalore Port at a distan	$\frac{\text{ce of } 305.47 \text{ km tow}}{2}$	ards W		
12)	Reserved Forest/Protected	Raagihal	li at a distance of 6 km	state forest towards			
	Forest/Notified Wildlife	West. Su	ddahalli at a distance o	f 5.2 Km State Fores	st		
	Sanctuary/Ecologically	towards	West.				
13)	Nearest Tourist Places	Bannaral	natta National Dark at a	a distance of 6 km to	warde		
13)		West	ialia inalioilai Faik al à		Jwarus		
14)	Water Bodies	Hennaga	ra lake at distance of	2.12 km towards Ea	ast		
15)	Type of soil	Reddish	brown clay silt soil				



List of Products:

S No	Product list	UOM	Qty
1	Oxypentifylline	Tons/Annum	5
2	PBA HCL	Tons/Annum	3.8
3	Pregabalin	Tons/Annum	3
4	Quetiapine	Tons/Annum	5
5	Corey lactone	Tons/Annum	0.3
6	CF3 Ketone	Tons/Annum	5
7	Thiabendazole (TBZ)	Tons/Annum	2
8	AS -16	Tons/Annum	1
9	Nitenpyram	Tons/Annum	0
10	AS -11	Tons/Annum	1
11	STA-31-0228	Tons/Annum	0.01
12	S199AR (Shionogi)	Tons/Annum	0.5
13	Venlafaxine Stg-1	Tons/Annum	1
14	Resi03	Tons/Annum	0.3
15	SCP-01	Tons/Annum	0.5
16	CFK02	Tons/Annum	0.5
17	Amaz	Tons/Annum	5
18	TFG01	Tons/Annum	0.25
19	Vildagliptin	Tons/Annum	10
20	MBOID-2	Tons/Annum	0.5
21	CF3 Chloretone	Tons/Annum	10
22	5-ABI	Tons/Annum	1
23	EPS-2	Tons/Annum	0
24	Favipiravir	Tons/Annum	3
25	Trityl Olmesartan	Tons/Annum	0
26	Di Boc Amine Int	Tons/Annum	0.5
27	HCA	Tons/Annum	0.075
28	MAP-01	Tons/Annum	0.05
29	MRF-08	Tons/Annum	0.5
30	ACT-01	Tons/Annum	0.5
31	T-3917	Tons/Annum	10
32	Fluralanar	Tons/Annum	1
33	Propentofylline	Tons/Annum	3
	Total		74.285



List of Raw Materials:

SI. No.	Raw Material	Consumption /Annum inKg
1	Theo bromine	6330
2	K2CO3	3903.5
3	Chlorohexanone	5401.6
4	Carbon	400.9
5	Hyflo Supercel	211
6	P nitro Phenol sodium salt	3150
7	Catalyst A	75.6
8	Caustic Soda	1386
9	PBNB	3887.5
10	Ferric chloride	233.25
11	Activated Carbon	388.75
12	Hydrazine Hydrate	3110
13	Hyflo supercel	155.5
14	HCL in IPA	3110
15	R- (-)-3-3(Carboamoyl methayl)-5 -methayl hexanoic acid	4250
16	Sodium hydroxide flakes	1003
17	Sodium hypo chlorite solution	1691.5
18	50% aq sodium hydroxide solution	5355
19	HCl	9214
20	Charcoal	33.66
21	QTP-2	4038
22	N,N Dimethyl aniline	1292.16
23	POCL3	3270.78
24	NaHCO3	40.38
25	NaCL	6057
26	Piperzine anhydrous	5370.54
27	Sodium Sulphate	403.8
28	Dicyclopentadiene	440
29	Dowtherm oil	220
30	Dichloroacetyl chloride	262.5

SI. No.	Raw Material	Consumption /Annum inKg
131	Charcoal	120.6
132	Hyflo	9.0
133	Sodium hydroxide	2.02
134	Sodiumborohydride	28.5
135	Sulphuric acid	234.5
136	Cyclohexanone	14000
137	Sodium Methoxide	20800
138	Acetic Acid	80
139	NaHMDs solution in THF	676.8
140	Pyrrole	90
141	Chlorotriisopropylsilane	266.4
142	MTBE	140.4
143	Sodium chloride	76.95
144	Sulfuryl chloride	255.04
145	Methylcyclohexane	651.2
146	NaCl	67.2
147	NaOH	384
148	Ethyl benzene	988.8
149	Trimethyl phosphano acetate	413.6
150	30% w/w sodium methylate	423
151	Silica gel	120
152	2-Chlorobenzaldehyde	374
153	Isobutyraldehyde	411.4
154	Potassium Hydroxidepowder	173.16
155	Ammonium chloride	374
156	Sodium chloride	187
157	Phosphorous oxy chloride	379.2
158	Sodium hydroxide	264
159	R-(+)-alpha methyl benzylamine(AMBA)	690
160	Conc. HCl	921.5

••• 4



 \geq

/

31	Cyclopentadiene	215.33	161	3,5 Di chloro aniline	90
\32	Triethylamine	189	162	HBr (48%)	670.5
33	0.1 N aq. HCl	1311.9	163	Cu(I)Br	31.86
34	DCK	428.4	164	Sodium Nitrate	42.12
35	sodium carbonate	15.33	165	NaCl	45
36	30 % hydrogen peroxide	384.83	166	Sodium bi carbonate	36
37	5N aq. NaOH	608.79	167	Magnesium turnings	13.8
38	6N aq. HCl	259.98	168	Iodine	0.09
39	DCL	336	169	Isipropyl bromide	70
40	d-ephedrine	307.92	170	Weinreb amide	66.4
41	d-ephedrine HCl	363.4	171	MTBE	272
42	28 % Aq. NaOH	300.84	172	KRM	2100
43	Conc HCl	307.8	173	H2SO4	576.46
44	<i>l</i> -DCL	482.3	174	NaHCO3	733.6
45	Zinc powder	479.57	175	Br2	2656.5
46	Conc HCl	794.89	176	Sodium thiosulphate	632.5
47	celite	182	177	Sodium bicarbonate	632.5
48	<i>l</i> -Lactone	148.4	178	Sodium chloride	1265
49	Acetic acid	1004.08	179	NaOH	1135.05
50	98% sulphuric acid	220.22	180	Hyflo	23.5
51	Para formaldehyde	77.17	181	TFEA HC1	44
52	Sodium acetate	663.6	182	Potassium carbonate	67.32
53	Sodium chloride	230.3	183	Chloroacetyl chloride	44
54	Diacetyl lactone	774	184	MTBE	325.6
55	35 % HCl	46.44	185	Phthalamide	38.12
56	Piperidine	2040	186	Sodium methoxide	14.73
57	Ethyl Trifluoro Acetate (ETFA)	4080	187	Hydrazine hydrate	21.62
58	Ary Bromide	5404	188	Ethyl acetate	1063.14
59	Magnesium turnings	656.2	189	IPA.HCl	50.76
60	Hydrochoric acid	3512.6	190	L-Prolinamide	4225
61	4-Cyanothiazole	159.5	191	CAC	4598.15
62	Aniline	136.3	192	Cyanuric chloride	2729.35
63	Ortho Dichlobenzene	800.4	193	Hyflo	16.9
64	Sodium hydroxide	14.5	194	Sodium carbonate	1690
65	Sodium carbonate	1595	195	Potassium carbonate	2784
66	Sodium hypochlorite	1218	196	Potassium iodide	99.53
67	Activated carbon	79.75	197	Sodium metabisulphite	114.84
68	Liquor ammonia	290	198	BHT	34.8
69	Dimethyl formamide	2444.96	199	Hyflo	11.6
70	Bromo benzene	3885	200	BHT	63.3
71	Potassium Carbonate	669.52	201	Activated charcoal	158.25
L		•	L	l	

/////

 \mathbf{N}

~ ~ ~

• • • 5

////////

1 1 1 1



72	Copper Iodide	61.51	202	Hyflo	15
73	Sodium chloride	3237.5	203	4-Methoxy phenyl aceticacid	133
74	Borane Dimethyl Sulfide	343.95	204	Cyclehexyl ethyl amine	100
75	Caustic Soda flakes	388.5	205	Phosphorus oxychloride	100
76	Hyflo	74	206	sodium hydroxide	116
77	EDTA	259	207	Conc HCl	20
78	Sodium bisulphite	1350	208	sodium chloride	20
79	Sodium bicarbonate	2980.8	209	sodium borohydride	16
80	Hyflo	108	210	Mandelic acid	79
81	Sodium thiomethoxide	386.1	211	Sodium hydroxide	266
82	Methyl iodide	311.85	212	Sodium chloride	114
83	Hyflo	67.5	213	Triethylamine	70.3
84	Sodium sulphide	378	214	Boc anhydride	111.34
85	Concentrated HCl	1350	215	Conc HCl	42.18
86	Conc Hydrochloric acid	538.56	216	m-PCBA	131.1
87	Nitric acid	425.92	217	Sodium bisulphite	68.4
88	1,1-Dichloroethylene	352	218	Sodium bicarbonate	81.7
89	2-C5MCP	309	219	Sulphuric acid	271.7
90	Ethyl amine	726.15	220	Magnesium	1120.14
91	Sodium carbonate	133.2	221	Iodine	191.1
92	40% mono methyl amine	489.6	222	Isopropylbromide	5203.8
93	Cbz-D-phenyl glycine	1000	223	Weinreb amide	6468
94	Glycine-tert-butyl ester hydrochloride	620	224	Conc HCl	11227.51
95	2,6-Lutidine	450	225	5-Nitrobenzimidazole	1688.4
96	EDC HC1	810	226	Hyflo	12.6
97	Citric acid monohydrate	700	227	Activated Charcoal	12.6
98	Tert – Butyl 4-(2- hydroxyethyl) piperidine – 1 – Carboxylate	13	228	MTBE	4997.66
99	Trimethyl amine	8.6	229	LiHMDS	5718.57
100	Methane sulfonyl chloride	7.8	230	Aceton Cyanohydrin	990.44
101	Sodium chloride	18.2	231	Sodium hypochlorite	2164.5
102	5-Nitroindole	6	232	O,O- diethyldithiophosphate	1506
103	Potassium carbonate	7.7	233	Sodium hydroxide	600
104	NaCl	9	234	Sodium chloride	750
105	Hyflo	5	235	Sulphuric acid	264
106	Pd/C	0.56	236	Bromopyrazie (Intermediate-D)	2820
107	Hyflo	0.5	237	POC13	7929
	•	•	L		





 \geq

				Dijsopropyl ethylamina	
108	MTBE	59.2	238	(N,N-DIPEA)	5019
109	4-Isopropyl Resorcinol	7.5	239	Chlorobenzene	14088
110	Conc HCl	12	240	5% NaHCO3 solution	6204
111	Pure PEX	11.8	241	10% NaCl solution	13341
112	Sodium bicarbonate	12.5	242	DMSO	17070
113	Sodium 2-chloroacetate	4.8	243	Potassium fluoride anhydrous	6213
114	Anhydrous sodium sulphate	112	244	TBAB	1377
115	CDI	7.3	245	Aq. HCl	2040
116	Sodium chloride.	14.4	246	Sodium acetate	807
117	Hydrazine hydrate	3.37	247	Conc. H2SO4	1896
118	Activated charcoal	1.7	248	28% Aq. Sodium hydroxide solution	1341
119	Diisopropylamine	275.28	249	(Ethyl 4-hydroxyl-1- methyl)- 2- propylimidazole-5- carboxylate)	190
120	2.4 M n-BuLi in Hexane	2331	250	5-(4'-Bromomethyl- 1'1-biphenyl-2-yl)1- triphenylmethyl-1H- tetrazole	503.5
121	N,N-Dimethyl Formamide	473.6	251	K2CO3	266
122	Conc. HCl	1320.9	252	Tetra butyl ammoniumbromide	45.6
123	Camphor sulphonic acid	85.1	253	5-Chloro-2-nitroaniline	290
124	Thiophenol	297.48	255	Di-tert-butyl dicarbonate	881.6
125	NaOH	134.68	256	4- Dimethylaminopyridine	14.5
126	AlCl ₃	427.35	257	Triethylamine	316.1
127	Tetramethyldisiloxan	573.5	258	Potassium carbonate	278.4
128	Sulphuric acid	518	259	N-Methyl-2- pyrrolidone	1194.8
129	Polyphosphoric acid	1463.4	260	N-Ethylpiperazine	230.26
130	Sodium bicarbonate	90	L	• • •	

••• 7







ENVIRONEMNT CLEARANCE CONDITION WISE COMPLIACE

No: SEIAA 47 IND 2020 Dated:03/09/2020

Address: M/s HIKAL LIMITED, Plot No: 28, KIABD Industrial Area, Jigani, Anekal Taluk, BANGALORE-560 105

Condition No	I. Statutory Compliance	Compliance
Ι	The project proponent shall obtain the forest clearance under the provision of Forest (Conservation) Act. 1986, in case of the diversion of the forest land for non-forest purpose involved in the project.	This project is under the notified area of KIADB. Govt. of Karnataka.
II	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Noted and Under progress
III	The project proponent shall prepare a site-specific conservation plan and wildlife management plan and approved by the Chief Wildlife warden. The recommendations of the approved site-specific plan/ wildlife management plan shall be implemented in consultation with the state forest department. The implementation report shall be furnished along with the six-monthly compliance report. (in case the presence of schedule -1 species in the study area)	Noted and Under progress po released.
IV	The project proponent shall obtain the consent to establish / operate under the provisions of Air (Prevention and Control of pollution) Act, 1981 and the water (Prevention and Control of pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	We have already obtained
V	The project proponent shall obtain the authorization under the Hazardous and other waste Management Rules, 2016 as amended from time to time.	Under Progress and Application Submitted.
VI	The Company shall comply with the rules and guidelines under Manufacturer, Storage, and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall as per the Motor Vehicle Act (MVA), 1989.	Noted and complying as per the rules and guidelines
Condition No	II. Air Quality Monitoring and Preservation	
I	The project proponent shall install 24/7 continuous emission monitoring system at process stacks to monitor the stacks emission with respect to standards prescribed in Environment Rules 1986 and connected to SPCB and CPCB online servers and calibrate this system from time to time according to equipment supplier	Noted, IP under preparation for stack and ambient

System from time to time according to equipment suppliedspecification through labs recognized under Environment (Protection)Act, 1986 or NABL Accredited Laboratory.IIThe project proponent shall monitor fugitive emissions in the plant
premises at least once in every quarter through labs recognized under
Environment Protection Act, 1986.Noted, being monitored in
ambient and scrubber quarterly

•••



 \geq

The project Proponent shall install system to carry out Ambient Air Quality Monitoring for commoviciterion parameters relevant to the main pollutants released (e. g. PM10 and PM2.5 in reference to PM emission and SO2 and NOX in reference to SO2 and NOX emissions) within and outside the plant area at a an angle of 120 each), covering upwind and downwind directions Manually monthly once being done for 2 stations within the plant premises. submitted eve month Annexure- I To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur contents should not be exceeded 0.5% in the coal friedbollers to control particulate emissions shall be dispersed through the stack of adequate height as per the CPCB/SPCB Norms. Noted fugitive emissions. anexure- II V Storage of Raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions. Indicate throm the to time shall be followed. Noted, Raw materials stored i decicated warehouse VI National Emissions Standards for organic Chemicals Manufacturing Industry vide G.S.R. No. 826 (E) dated 10 th November. 2009 Shall be compiled with. Noted and being followed. VII Mational Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 10 th November. 2009 Shall be Discharge shall be ensured, and no wast/treated water shall be Discharge shall be ensured, and no wast/treated water shall be Discharge outside the premises (applicable in case of the projects achieving the ZLD). Noted and provided the web camera with night vision capabilityand flow meters achieving the ZLD).			
IV To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the MAQS. Subplan contents should not be exceeded 0.5% in the coal firedboilers to control particulate emissions shall be dispersed through the stack of adequate height as per the CPCB/SPCB Norms. Noted fugitive emissions are monitored through scrubber a for boiler PNG being used Annexure- II V Storage of Raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions. Noted. Raw materials stored i dedicated warehouse VI National Emissions Standards for organic Chemicals Manufacturing Industry issued by the ministry vide G.S.R. 608(E) dated 21 ^a July 2010 and amended from time to time shall be followed. Noted and being followed VII National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009 Shall be compiled with. Noted and monitored. Annexure- I & IV Condition No III. Water Quality Monitoring and Preservation Noted and provided the web camera with night vision capability and flow meeters in the channel/drain carrying the offluent within the Premises (applicable in case of the project achieving the ZLD). Noted and being followed. III Discharge shall be ensured, and no wastc/reated water shall be Discharge shall confirm to the standards prescribed under the Environment (Prevention) Act, 1986, or as specified by the State Pollution Control Board while granting Consent Under the Air/Water Act, whichever is more stringent. Noted Anne	III	The project Proponent shall install system to carry out Ambient Air Quality Monitoring for common/criterion parameters relevant to the main pollutants released (e. g. PM10 and PM2.5 in reference to PM emission and SO2 and NOX in reference to SO2 and NOX emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions	Manually monthly once being done for 2 stations within the plant premises. submitted every month Annexure- I
V Storage of Raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions. Noted, Raw materials stored i dedicated warehouse VI National Emissions Standards for organic Chemicals Manufacturing Industry issued by the ministry vide G.S.R. 608(E) dated 21 st July 2010 and amended from time to time shall be followed. Noted and being followed VII National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826 (E) dated 16 th November, 2009 Shall be compiled with. Noted and monitored. Annexure- I & IV Condition No III. Water Quality Monitoring and Preservation Noted and provided the web and flow meters in the channel/drain carrying the effluent within the Premises (applicable in case of the projects achieving the ZLD). Noted and provided the web camera with night vision capability and flow meters II As already committed by the project proponent, Zero Liquid Discharge dustide the premises (applicable in case of the projects achieving the ZLD). Noted and being followed. III The effluent discharge shall confirm to the standards prescribed under the Environment (Prevention) Act, 1986, or as specified by the State Pollution Control Board while granting Consent Under the Air/Water Act, whichever is more stringent. Noted Annexure-III IV Total freshwater requirement shall not exceed the proposed quantity or as specified by the commet explored while granting Consent Under the Air/Water Act, whichever is more stringent. Noted, Arnexure-III	IV	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur contents should not be exceeded 0.5% in the coal firedboilers to control particulate emissions shall be dispersed through the stack of adequate height as per the CPCB/SPCB Norms.	Noted fugitive emissions are monitored through scrubber and for boiler PNG being used Annexure- II
VI National Emissions Standards for organic Chemicals Manufacturing Industry issued by the ministry vide G.S.R. 608(E) dated 21 st July 2010 and amended from time to time shall be followed. Noted and being followed VII National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826 (E) dated 16 th November, 2009 Shall be compiled with. Noted and monitored. Annexure- 1 & IV Condition No III. Water Quality Monitoring and Preservation Noted and provided the web camera with night vision capability and flow meters in the channel/drain carrying the effluent within the Premises (applicable in case of the projects roponent, Zero Liquid Discharge shall be ensured, and no waste/treated water shall be Discharge shall be ensured, and no waste/treated water shall be Discharge shall be ensured, and no waste/treated water shall be Discharge outside the premises (applicable in case of the projects achieving the ZLD). Noted and being followed. III The effluent discharge shall confirm to the standards prescribed under the Environment (Prevention) Act, 1986, or as specified by the State Pollution Control Board while granting Consent Under the Air/Water Act, whichever is more stringent. Noted, Freshwater requirement shall not exceed the proposed quantity or as specified by the committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard. Noted, Annexure-III V Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall collected and Discharge dthrough separate conveyance system. Noted and dedicated wastewa streams provided with collect tan	V	Storage of Raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Noted, Raw materials stored in dedicated warehouse
VIINational Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826 (E) dated 16th November, 2009 Shall be compiled with.Noted and monitored. Annexure- I & IVCondition NoIII. Water Quality Monitoring and PreservationNoted and provide of the web camera with night vision capability and flow meters in the channel/drain carrying the effluent within the Premises (applicable in case of the project proponent, Zero Liquid Discharge shall be ensured, and no waste/treated water shall be Discharge shall be ensured, and no waste/treated water shall be Discharge shall be ensured, and no waste/treated water shall be Discharge shall be ensured, and no waste/treated water shall be Discharge shall be ensured, and no waste/treated water shall be Discharge shall be ensured, and no waste/treated water shall be Discharge shall be ensured, and no waste/treated water shall be Discharge shall be ensured, and no waste/treated water shall be Discharge shall be ensured, and no waste/treated water shall be Discharge shall be ensured and how metersNoted and being followed.IIIThe effluent discharge shall confirm to the standards prescribed under the Environment (Prevention) Act, 1986, or as specified by the State Pollution Control Board while granting Consent Under the Air/Water Act, whichever is more stringent.Noted, Freshwater requirement being met with local tanker suppliers.IVTotal freshwater requirement shall not exceed the proposed quantity or as specified by the committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.Noted, Freshwater requirement being met with local tanker suppliers.VProcess effluent/any wastewater shall not be allowed to mix with storm water. The storm water fr	VI	National Emissions Standards for organic Chemicals Manufacturing Industry issued by the ministry vide G.S.R. 608(E) dated 21 st July 2010 and amended from time to time shall be followed.	Noted and being followed
Condition NoIII. Water Quality Monitoring and PreservationIThe project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying the effluent within the Premises (applicable in case of the project schieving the ZLD).Noted and provided the web camera with night vision capabilityand flow metersIIAs already committed by the project proponent, Zero Liquid Discharge shall be ensured, and no waste/treated water shall be Discharged outside the premises (applicable in case of the projects achieving the ZLD).Noted and being followed.IIIThe effluent discharge shall confirm to the standards prescribed under the Environment (Prevention) Act, 1986, or as specified by the State Pollution Control Board while granting Consent Under the Air/Water Act, whichever is more stringent.Noted, Freshwater requirement being met with local tanker suppliers.IVTotal freshwater requirement shall not exceed the proposed quantity or the concerned regulatory authority/CGWA in this regard.Noted, Freshwater requirement being met with local tanker suppliers.VProcess effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall collected and Discharged through separate conveyance system.Noted and collected in tank.VIThe company shall harvest rainwater from the roof tops of the Buildings and storm water drains to discharge the ground water andutilize the same for different industrial operations within the plant.Noted and collected in tank.	VII	National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826 (E) dated 16 th November, 2009 Shall be compiled with.	Noted and monitored. Annexure- I & IV
IThe project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying the effluent within the Premises (applicable in case of the projects achieving the ZLD).Noted and provided the web camera with night vision capabilityand flow metersIIAs already committed by the project proponent, Zero Liquid Discharge and the premises (applicable in case of the projects achieving the ZLD).Noted and being followed.IIIThe effluent discharge shall confirm to the standards prescribed under the Environment (Prevention) Act, 1986, or as specified by the State Pollution Control Board while granting Consent Under the Air/Water Act, whichever is more stringent.Noted, Freshwater requirement being met with local tanker suppliers.IVTotal freshwater requirement shall not exceed the proposed quantity or as specified by the committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.Noted, Freshwater requirement being met with local tanker suppliers.VProcess effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall collected and Discharged through separate conveyance system.Noted and dedicated wastewa streams provided with collect tanksVIThe company shall harvest rainwater from the roof tops of the Buildings and storm water drains to discharge the ground water andutilize the same for different industrial operations within the plant.Noted and collected in tank.	Condition No	III. Water Quality Monitoring and Preservation	
IIAs already committed by the project proponent, Zero Liquid Discharge shall be ensured, and no waste/treated water shall be Discharged outside the premises (applicable in case of the projects achieving the ZLD).Noted and being followed.IIIThe effluent discharge shall confirm to the standards prescribed under the Environment (Prevention) Act, 1986, or as specified by the State Pollution Control Board while granting Consent Under the Air/Water Act, whichever is more stringent.Noted Annexure-IIIIVTotal freshwater requirement shall not exceed the proposed quantity or as specified by the committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.Noted, Freshwater requirement being met with local tanker suppliers.VProcess effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall collected and Discharged through separate conveyance system.Noted and dedicated wastewa streams provided with collect tanksVIThe company shall harvest rainwater from the roof tops of the Buildings and storm water drains to discharge the ground water andutilize the same for different industrial operations within the plant.Noted and collected in tank.	Ι	The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying the effluent within the Premises (applicable in case of the projects achieving the ZLD).	Noted and provided the web camera with night vision capability and flow meters
IIIThe effluent discharge shall confirm to the standards prescribed under the Environment (Prevention) Act, 1986, or as specified by the State Pollution Control Board while granting Consent Under the Air/Water Act, whichever is more stringent.Noted Annexure-IIIIVTotal freshwater requirement shall not exceed the proposed quantity or as specified by the committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.Noted, Freshwater requirement being met with local tanker 	Π	As already committed by the project proponent, Zero Liquid Discharge shall be ensured, and no waste/treated water shall be Discharged outside the premises (applicable in case of the projects achieving the ZLD).	Noted and being followed.
IVTotal freshwater requirement shall not exceed the proposed quantity or as specified by the committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.Noted, Freshwater requirement being met with local tanker suppliers.VProcess effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall collected and Discharged through separate conveyance system.Noted and dedicated wastewa streams provided with collect tanksVIThe company shall harvest rainwater from the roof tops of the Buildings and storm water drains to discharge the ground water 	III	The effluent discharge shall confirm to the standards prescribed under the Environment (Prevention) Act, 1986, or as specified by the State Pollution Control Board while granting Consent Under the Air/Water Act, whichever is more stringent.	Noted Annexure-III
VProcess effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall collected and Discharged through separate conveyance system.Noted and dedicated wastewa streams provided with collect tanksVIThe company shall harvest rainwater from the roof tops of the Buildings and storm water drains to discharge the ground water andutilize the same for different industrial operations within the plant.Noted and collected in tank.	IV	Total freshwater requirement shall not exceed the proposed quantity or as specified by the committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.	Noted, Freshwater requirement being met with local tanker suppliers.
VIThe company shall harvest rainwater from the roof tops of the Buildings and storm water drains to discharge the ground water andutilize the same for different industrial operations within the plant.Noted and collected in tank.	V	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall collected and Discharged through separate conveyance system.	Noted and dedicated wastewater streams provided with collection tanks
	VI	The company shall harvest rainwater from the roof tops of the Buildings and storm water drains to discharge the ground water andutilize the same for different industrial operations within the plant.	Noted and collected in tank.
		• • •	



 \geq

VII	The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity With the extant regulations and guidelines in this regard.	Noted and Acoustic provided
Condition No	IV. Noise Monitoring and Prevention	
Ι	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Noted and provided
Π	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise Generation.	Noted,Noise level are within the limit
III	The Ambient Noise Levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75dB(A) during daytime and 70dB(A) During nighttime.	Noted Annexure-IV
Condition No	V. Energy Conservation Measures	
Ι	The energy sources for lighting purposes shall preferably by LED Based.	LED lights are being used and energy efficient motors are replaced with IE1 & 2 to IE3
Condition No	VI. Waste Management	
Ι	Hazardous Chemicals shall be stored in tanks, tank farms, drums, Carboys etc. Flame arresters shall be provided on tank farm andsolvent transfer through pumps.	Noted and provided
Π	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic and evaporation salt shall be disposed-off to the TSDF.	Noted and being followed as per conditions of CFO and HWA
Ш	 The company shall undertake waste minimization measures as below: a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw materials substitutes in other processes. c. Use of automated filling to minimize spillages d. Use of Close Feed System into batch reactors e. Venting equipment through vapor recovery system. f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation. 	Noted and being followed.
Condition No	VII. Green Belt	
Ι	The green of 5-10 m width shall be developed in more than 33% of the total project area, mainly total project area, mainly along the plant periphery, in downward wind direction, and along roadsides etc. Selection of plant species shall be as per the CPCB guidelines in	Noted and provided.
Condition	VIII. Safety, Public Hearing and Human Health Issues	
I	Emergency Preparedness Plan based on the Hazard Identification and Risk Assessment (HIRA) and disaster management Plan shall be implemented	Noted and Approved Onsite Emergency Preparedness Plan is Available.

~ ~ ~ ~ ~ ~ ~ ~



///////////////

п	The unit shall make the arrangement for the protection of possible fire hazards during the manufacturing process in material handling. Fire Fighting System shall be as per the norms.	Noted, Site is having networked firefighting system with all accessories and portable fire Extinguishers.
III	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Noted and being followed.
IV	Training shall be imparted to all employees on safety and health aspects of Chemical handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Noted and Training retraining on EHS topics is practiced & Pre- employment and routine periodical medical examinations for all employees on regular basis being carried out? Annexure-V
V	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure facilities such as fuel for cooking, mobile toilets, Mobile STP, Safe drinking water, medical health care, Crèche etc. The housing may be in the form of temporary Structures to be removed after the completion of the project.	Noted and site is at notified industrial area.
VI	Occupational health surveillance of the workers shall be done on regular basis and records maintained as per the Factories Act.	Noted, and records maintained as per the Factories Act
VII	There shall be adequate space inside the premises earmarked for Parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.	Noted
Condition No	IX. Corporate Environment Responsibilities	
Ι	The project authorities shall undertake activities under corporate environment responsibilities (CER) with a total cost of not less than Rs. 10 lakhs towards contributions of CM Care Fund, in accordance with the O.M.F.No.22-26/2017-IA,III dated 01 st May 2018 and report Be submitted to the authority.	Under CER Rs. 25 Lakh to Karnataka Chief Minister's Relief Fund is donated. CSR activities will be carried regularly and planned in the month of November
Π	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental Policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlifenorms/conditions. The company shall have a defined system of reporting infringements/deviation/ violation of the environmental/forest/wildlife norms/conditions and / or shareholders/stake holders. The copy of the board resolution in this Regard shall be submitted to the MoEF and CC as a part of Six-monthly report.	Noted and environmental policy available.
III	A separate environmental cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior executive, who will directly to the head of organization.	Noted and committee is made for monitoring

1



IV	An action plan for implementing EMP and environmental conditions along with responsibilities matric of the company shall be prepared and shall be duly approved by a competent authority. The years wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purposes. Yearwise progress of implementation of the action plan shall be reported tothe Ministry/Regional Office along with the Six-Monthly Compliance Report	Noted.
V	Self-Environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted.
Condition No	X. Miscellaneous	
Ι	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the district or state, of which one shall be in the Vernacular language within seven days and in addition this shall alsobe displayed in the project proponents' website permanently.	Noted, Published in local newspaper Indian express in English and in Kannada Vishwaavani, Annexure - VI
II	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of the Local Bodied, Panchayats and Municipal Bodies on addition to the relevant offices of the Government who in turn has to display the same for 30 days from the Date of receipt.	Noted and submitted
Ш	The project proponent shall upload the status of the Compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half yearly Basis.	Noted and being followed
IV	The project Proponent shall monitor the criteria pollutants namely: PM10, SO2, Nox (Ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Display board is provided at main gate to disclose to the public and put on the website of the company. Annexure- VII
v	The project Proponent shall submit the Six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of environment, Forest and Climate change At environmental Clarence Portal.	Noted and being submitted
VI	"The HYCRs with its contents of a covering letter, compliance reports and environmental monitoring data has to be in PDF format merged into a single document. The email should clearly mention the name of the project, EC No and date, period of submission and to be sent to the Regional Office of MoEF & CC by email only at email ID: rosz.bng- mefcc@gov.in. Hard copy of HYCRs shall not be acceptable,	Noted and being submitted
VII	The project proponent shall submit the environmental statement for each financial year in Form – V to the concerned State Pollution Control Board as prescribed under Environment (protection) Rules, 1986, as amended subsequently and put on the website of the company.	Form-V for FY2021-2022 is submitted RO-KSPCB Annexure- VIII
VIII	The project proponent shall inform the regional office as well as the Ministry, the date of financial closure and final approval of the project	Noted,
	13	



 \geq

	By the concerned authorities, commencing the land development work and start of production operation by the project.	
IX	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted
Х	The project proponent shall abide by all the commitments and recommendations made in the EIS/EMP Report, Commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted
XI	No further expansion or modifications in the plant shall be carried out Without prior approval of this Authority of the Ministry ofEnvironment, Forests and Climate Change (MoEF & CC).	Noted
XII	Concealing factual data or submission of False/Fabricated data may result in revocation of this Environmental Clearance and attracts Action under the provisions of Environment (protection) Act, 1986.	Noted
XIII	The SEIAA may revoke or suspend the clearance, if implementations of any of the above conditions is not satisfactory.	Noted
XIV	The SEIAA reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall Implement these conditions.	Noted
XV	The regional office of the MoEF & CC shall monitor compliance of the stipulated conditions. The project Authorities should extend full cooperation to the officer (S) of the regional Office by furnishing the Requisite data/information/monitoring reports.	Noted
XVI	The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention and Control of Pollution) Act, 1974, the air (Prevention and Control of Pollution) act, 1986, Hazardous Waste and Other Waste (Management and Trans boundary Movement) Rules, 2016 and the public Liability Insurance Act, 1991 along with their amendments and rules and any others passed by the Hon'ble Supreme Court of India/ High Courts and any other courts of law relating to the subject matter.	Noted
XVII	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 Of the National Green Tribunal Act, 2010.	Noted
XVIII	The project proponent shall adopt and comply with all the mechanism included by the MoEF & CC which is given in the Annexure – II andshall abide by the conditions there on. The project Proponent shall undertake all necessary steps to bring down the CEPI score of the industrial area and the improve the environment condition in accordance with the mechanism evolved by MoEF & CC.	Noted
XIX	The project proponent shall submit the map duly authenticated by chief wildlife warden showing the boundary of Bannerughatta National Park vis-s-cis the project location before undertaking construction activity and shall be adhered to the recommendations or Comments of the chief wildlife warden thereon as committed.	Noted and under progress.



<

1 1

	Annexure -II Additional conditions	
Additional	conditions as per the Mechanism evolved by MOEF&CC as compliance to the	e orders of Hon'ble NGT
	dated19/08/2019 in O.A. No.1038 of 2018	
Environment	Mitigation Measure	Compliance
Air	Stipulation of conditions such as:	
	i. Stack emission levels should be stringent than the existing standardsin	Being followed
	terms of the identified critical	mentioned in CFO
	ii. CEMS may be installed in large/medium red category industries (Air	STP CEMS and ETP
	polluting) and connected to SPCB and CPCB server	flow meter and Camera
		Connected to CPCB
		server
	iii. Effective fugitive emission control measures should be imposed in	Being followed
	the process. transportation, packing etc.	NT / 1
	1v. Transportations of materials by rail/conveyer belt wherever feasible	Noted
	v. Encourage use of cleaner fuels (pet coke/ furnace oil/I.SHS may be avoided)	PNG is being used
	vi. Best available technology may be used. For example: usage of EAF/SAF/RF in place of Cupola furnace. Usage if supercritical technology in place sub critical technology	Not Applicable
	vii. Increase in green belt cover by40% of the total land area beyond the	Noted
	permissible requirement of 33% wherever feasible.	N. (1
	viii. Stipulation of greenbelt outside the project premises such as avenue	Noted
	iv Assessment of corrying conscitute of transportations load on roads	Noted
	inside the industrial premises if the roads required to be widened	Inoleu
	shall be prescribed as conditions	
Water	Stimulation of conditions such as:	
	i Reuse/recycle of treated wastewater wherever feasible	Being practiced
	ii Continuous Monitoring of effluent quality/quantity in large/medium	Provided for STP and
	red category industries (Water polluting)	ETP ZLD
	iii A detailed water harvesting plan may be submitted by the project	Noted
	proponent	10000
	iv. ZLD- wherever techno economically feasible	ZLD is adopted
	y In case, domestic wastewater generation is more than 10 KLD, the	STP is provided and
	industry may install STP.	operational
Land	Stipulation of conditions such as:	
	i Increase of green belt cover by 40% of the total land area beyond the	Noted
	permissible requirement of 33% wherever feasible for new projects	Toted
	ii. Stipulation of greenbelt outside the project premises such as avenue	Noted
	plantation, plantation in vacant areas, social forestry, etc.	
	iii. Dumping of waste (fly ash, slag, red mud, etc.) may be permitted	Noted and following the
	only at designated locations approved by SPCBs/ PCCs.	PCC guidelines
	iv. More stringent norms for management of hazardous waste. The	Noted
	waste generated should be preferably utilized in co- processing	
Other	i. Monitoring of compliance of EC conditions may be Conditions may	Noted
Condition	be submitted with third party audit every year.	
(Additional)	ii. The % of the CER may be at least 1.5 times the slabs given in the	Noted
	Undated 01.05.2018 for SPA and 2 times for CPA in case of	And done being
	Environmental Clearance.	regularly

1

~ ~ ~ ~ ~ ~ ~ ~ ~



Annexure- I Ambient Monitoring

	Location: Near By Main Gate Security area								
Sl. No	Parameter	Limits (As per NAAQS)	Apr-22	May-22	June-22	July-22	Aug-22	Sep-22	
1	Particulate Matter PM $_{10}$ $\mu g/m^3$	100	60.3	55.61	61.38	63.39	65.32	64.27	
2	Particulate Matter $PM_{2.5}$ $\mu g/m^3$	60	23.0	17.5	21.75	22.84	23.45	21.98	
3	Nitrogen Dioxide NO ₂ $\mu g/m^3$	80	23.4	22.2	23.48	25.17	26	25.47	
4	Sulphur dioxide SO_2 $\mu g/m^3$	80	15.6	15.6	17.35	16.95	18.24	17.93	
5	Carbon mono oxide CO mg/m^3	20	BDL	BDL	BDL	BDL	BDL	BDL	
6	Ozone O ₃ μ g/m ³	1	BDL	BDL	BDL	BDL	BDL	BDL	
7	Ammonia NH ₃ µg/m ³	6	BDL	BDL	BDL	BDL	BDL	BDL	
8	Carbon mono oxide CO mg/m ³	4	BDL	BDL	BDL	0.2	0.3	0.2	
9	Ozone O ₃ μ g/m ³	180	8.4	7.7	8.34	6.74	5.05	5.69	
10	Ammonia NH ₃ µg/m ³	400	10.1	12.6	11.21	9.15	7.52	8.24	
11	Benzene $C_6H_6\mu g/m^3$	5	BDL	BDL	BDL	BDL	BDL	BDL	
12	Benzo (a) pyrene BaP ng/m ³	1	BDL	BDL	BDL	BDL	BDL	BDL	



	Location : Near By Ware house area									
Sl. No	Parameter	Limits (As per NAAQS)	Apr-22	May-22	June-22	July-22	Aug-22	Sep-22		
1	Particulate Matter PM $_{10}$ $\mu g/m^3$	100	65.2	57.1	60.03	61.8	59.35	60.18		
2	Particulate Matter $PM_{2.5}$ $\mu g/m^3$	60	23.3	16.6	18.34	15.95	16.78	60		
3	Nitrogen Dioxide NO ₂ $\mu g/m^3$	80	24.6	23.4	25.14	24.08	36.46	15.91		
4	Sulphur dioxide $SO_2 \mu g/m^3$	80	14.7	16.5	20.47	18.62	20.05	19.57		
5	Carbon mono oxide CO mg/m ³	20	BDL	BDL	BDL	BDL	BDL	BDL		
6	Ozone O ₃ μ g/m ³	1	BDL	BDL	BDL	BDL	BDL	BDL		
7	Ammonia NH ₃ µg/m ³	6	BDL	BDL	BDL	BDL	BDL	BDL		
8	Carbon mono oxide CO mg/m ³	4	BDL	BDL	BDL	0.1	0.2	0.2		
9	Ozone O ₃ μ g/m ³	180	9.1	10.9	9.75	5.36	4.15	4.59		
10	Ammonia NH ₃ µg/m ³	400	14.3	11.5	12.36	8.65	7.39	7.18		
11	Benzene C ₆ H ₆ μ g/m ³	5	BDL	BDL	BDL	BDL	BDL	BDL		
12	Benzo (a) pyrene BaP ng/m ³	1	BDL	BDL	BDL	BDL	BDL	BDL		





ANNEXURE-II Stack Monitoring

250 KVA DG										
MONTH Apr-22 May-22 June-22 July-22 Aug-22 Sep-22										
Area of cross section of stack. m ²	0.028	0.028	0.028	0.028	0.028	0.028				
Stack Top °C	Round	Round	Round	Round	Round	Round				
Temperature °C	135	126	135	139	131	131				
Stack gas velocity m/s	10.3	9.8	10.1	10.3	10.0	10.1				
Rate of discharge of gas Nm ³ /hr	722.74	731.57	737.3	744.6	737.3	739.2				
Particulate matter mg/Nm ³	45.3	40.55	43.7	40.2	37.6	38.4				
Oxides of sulphur (SO ₂)mg/Nm ³	18.28	16.5	12.4	14.4	10.9	11.7				
Oxides of Nitrogen (NO ₂) mg/Nm ³	31.9	35.4	31.6	28.6	25.3	21.9				
Carbon monoxide (CO) mg/Nm ³	17.8	19.7	22.4	20.5	19.0	17.9				

Process stack(Scrubber -1)										
MONTH Apr-22 May-22 June-22 July-22 Aug-22 Sep-22										
Area of cross section of stack. m ²	0.08	0.08	0.08	0.08	0.08	0.08				
Stack Top °C	Round	Round	Round	Round	Round	Round				
Temperature °C	42	40	42	40	37	39				
Stack gas velocity m/s	8.7	8.3	8.5	8.3	7.8	8.1				
Rate of discharge of gas Nm ³ /hr	2291.16	2256.68	2296.38	2256.68	2141.26	2209.36				
Acid Mist mg/Nm ³	3	2.8	3.4	3.1	2.7	3.1				
Oxides of sulphur (SO ₂)mg/Nm ³	7.65	6.85	9.5	6.91	7.92	8.41				

Process stack(Scrubber -2)									
MONTH Apr-22 May-22 June-22 July-22 Aug-22 Sep-2									
Area of cross section of stack. m ²	0.196	0.196	0.196	0.196	0.196	0.196			
Stack Top °C	Round	Round	Round	Round	Round	Round			
Temperature °C	42	39	39	38	39	41			
Stack gas velocity m/s	8.2	8.5	8.7	8.4	7.9	8			
Rate of discharge of gas Nm ³ /hr	5463.58	5680.24	5740.3	5631.46	5279.28	5312.05			
Acid Mist mg/Nm ³	2.9	3.2	3.5	2.8	3	2.8			
Oxides of Sulphur (SO ₂)mg/Nm ³	8.35	9.32	7.54	6.32	8.61	8.24			



~ ~ ~ ~ ~ ~ ~ ~ ~

Common Chimney -2 Lakh Caloric/850/600Kg/hrs Steam Boiler									
MONTH	Apr-22	May-22	June-22	July-22	Aug-22	Sep-22			
Area of cross section of stack. m ²	0.23	0.23	0.23	0.23	0.23	0.23			
Stack Top C ⁰	Round	Round	Round	Round	Round	Round			
Temperature C ⁰	159	149	161	152	156	152			
Stack gas velocity m/s	11.6	11.3	11.5	11	10.7	10.9			
Rate of discharge of gas Nm ³ /hr	6569.74	6551.49	6483.09	6332.54	6102.4	6274.97			
Particulate matter mg/Nm ³	69.59	62.52	45.3	39.48	36.3	39.41			
Oxides of Sulphur (SO ₂)mg/Nm ³	135.22	113.14	12.67	13.85	19.01	28			
Oxides of Nitrogen (NO ₂) mg/Nm ³	93.25	84.5	79.35	48.65	41.35	44.98			
Carbon monoxide (CO) mg/Nm ³	7.9	0.32	0.35	1.2	1.63	1.87			
Carbon dioxide (CO ₂) %	7.9	6.5	7.1	8.62	7.35	6.97			

	VOC in Ambient June-22										
No.	Parameters	Near Warehouse area	Near Security Main gate area	Protocol							
1	Benzene, ppm	BDL	BDL	OSHA-7							
2	Carbon tetra chloride, ppm	BDL	BDL	OSHA-7							
3	Methanol, ppm	0.19	BDL	OSHA-7							
4	Toluene, ppm	BDL	BDL	OSHA-7							
5	Methyl chloride, ppm	BDL	BDL	OSHA-7							
6	Acetone, ppm	0.16	BDL	OSHA-7							
7	Mercapten, ppm	BDL	BDL	OSHA-7							
8	Hydrogen sulphide, ppm	BDL	1.43	OSHA-7							

VOC in Ambient Sep-22											
No.	Parameters	Near Warehouse area	Near Security Main gate area	Protocol							
1	Benzene, ppm	BDL	BDL	OSHA-7							
2	Carbon tetra chloride, ppm	BDL	BDL	OSHA-7							
3	Methanol, ppm	0.26	BDL	OSHA-7							
4	Toluene, ppm	BDL	BDL	OSHA-7							
5	Methyl chloride, ppm	BDL	BDL	OSHA-7							
6	Acetone, ppm	0.19	BDL	OSHA-7							
7	Mercapten, ppm	BDL	BDL	OSHA-7							
8	Hydrogen sulphide, ppm	BDL	1.4	OSHA-7							



VOC in Scrubber

No.	Parameters	Process Scrubber 1 – June-2022	Process Scrubber 1- Sep-2022	Protocol
1	Area of cross section of stack, m ²	0.08	0.08	IS 11255(Part-3):2008
2	Stack Top.	Round	Round	IS 11255(Part-3):2008
3	Temperature, °C	42	39	IS 11255(Part-3):2008
4	Stack gas velocity, m/s	8.5	8.1	IS 11255(Part-3):2008
5	Rate of discharge of gas, Nm ³ /hr	2296.38	2209.36	IS 11255(Part-3):2008
6	Benzene, ppm	0.018	0.019	USEPA M0030
7	Carbon tetra chloride, ppm	BDL	BDL	USEPA M0010
8	Methanol, ppm	BDL	BDL	USEPA M308
9	Toluene, ppm	0.38	0.42	USEPA M0010
10	Methyl chloride, ppm	BDL	BDL	USEPA M0040
11	Acetone, ppm	0.82	0.76	USEPA M0010
12	Mercapten, ppm	ND	ND	USEPA M0016-A
13	Hydrogen sulphide, ppm	ND	ND	USEPA M0015

No.	Parameters	Process Scrubber 2 - June-2022	Process Scrubber -2 Sep-2022	Protocol
1	Area of cross section of stack, m ²	0.196	0.196	IS 11255(Part-3):2008
2	Stack Top.	Round	Round	IS 11255(Part-3):2008
3	Temperature, °C	39	41	IS 11255(Part-3):2008
4	Stack gas velocity, m/s	8.7	8	IS 11255(Part-3):2008
5	Rate of discharge of gas, Nm ³ /hr	5740.3	5312.05	IS 11255(Part-3):2008
6	Benzene, ppm	0.16	0.14	USEPA M0030
7	Carbon tetra chloride, ppm	BDL	BDL	USEPA M0010
8	Methanol, ppm	BDL	BDL	USEPA M308
9	Toluene, ppm	0.33	0.39	USEPA M0010
10	Methyl chloride, ppm	BDL	BDL	USEPA M0040
11	Acetone, ppm	0.67	0.72	USEPA M0010
12	Mercapten, ppm	ND	ND	USEPA M0016-A
13	Hydrogen sulphide, ppm	ND	ND	USEPA M0015



No.	Parameters	Process Scrubber - June-2022	Process Scrubber - Sep-2022	Protocol
1	Area of cross section of stack, m ²	0.126	0.126	IS 11255(Part-3):2008
2	Stack Top.	Round	Round	IS 11255(Part-3):2008
3	Temperature, °C	38	38	IS 11255(Part-3):2008
4	Stack gas velocity, m/s	8.6	7.9	IS 11255(Part-3):2008
5	Rate of discharge of gas, Nm ³ /hr	3706.42	3426.77	IS 11255(Part-3):2008
6	Benzene, ppm	0.021	0.025	USEPA M0030
7	Carbon tetra chloride, ppm	BDL	BDL	USEPA M0010
8	Methanol, ppm	BDL	BDL	USEPA M308
9	Toluene, ppm	0.56	0.54	USEPA M0010
10	Methyl chloride, ppm	BDL	BDL	USEPA M0040
11	Acetone, ppm	0.89	0.76	USEPA M0010
12	Mercapten, ppm	ND	ND	USEPA M0016-A
13	Hydrogen sulphide, ppm	ND	ND	USEPA M0015

<



 \geq

/////

ANNEXURE-III

WATER SAMPLE ANALYSIS								
		ETP Treated	RO Perm	eate Wate	<u>er</u>			
Parameter/Month	Protocol	Limits (KSPCB)	Apr-22	May-22	June-22	July-22	Aug-22	Sep-22
pH	IS 3025 (Part11): 1983 Reaff.2017	6.0 – 9.0	7.34	7.51	7.09	7.25	7.52	8.08
Total suspendedsolid mg/L	IS-3025(Part-17) : 1984 (RA2003)	Max 100	28.6	12	BDL	14	10	18
Bio chemical oxygen demand(3 days @ 27°C)	IS-3025(Part- 44) : 1993 Reaff.2019	Max 30	12	10	BDL	BDL	BDL	14
Chemical oxygen demand mg/L	APHA 23 rd Edition	Max 250	105.4	92.21	BDL	13.3	BDL	74.5
Ammonical Nitrogen, mg/L	IS 3025 (Part-34) : 1988 Reaff.2019	Max 50	20.6	18.06	BDL	3	BDL	13.4
Total dissolvedsolid mg/L	IS 3025 (Part-16): 1984 Reaff.2017	2100	169	429.4	64.96	79.2	22.84	436.5
Total Nitrogen, mg/L	IS 3025 (Part-34): 1988 Reaff.2019	Max 100	57	50	17	20	BDL	44.7
Fecal Coliform/ 100ml,cfu	IS 1622-1981	<100.0	28	24	BDL	BDL	BDL	BDL

	STP Treated Water							
Parameter/Month	Protocol	Limits (KSPCB)	Apr-22	May-22	June-22	July-22	Aug-22	Sep-22
рН	IS 3025 (Part11): 1983 Reaff.2017	6.5 -9.0	8.37	7.61	7.2	7	7.2	7.84
Total suspendedsolid mg/L	IS-3025(Part-17) : 1984 (RA2003)	Max 20	10	14	12	10	13	14
Bio chemical oxygen demand(3 days @ 27°C)	IS-3025(Part- 44) : 1993 Reaff.2019	-	522	397.06	601.6	594.6	494.9	569.4
Chemical oxygen demand mg/L	APHA 23 rd Edition	50	26.34	13.17	BDL	26.6	26.4	37.2
Ammonical Nitrogen, mg/L	IS 3025 (Part-34) : 1988 Reaff.2019	Max 10	6	4	BDL	6	5	6
Total dissolvedsolid mg/L	IS 3025 (Part-16): 1984 Reaff.2017	10	8.6	7	8	1.5	6	5
Total Nitrogen, mg/L	IS 3025 (Part-34): 1988 Reaff.2019	5	1.92	1.51	3.01	7	BDL	BDL
Fecal Coliform/ 100ml,cfu	IS 1622-1981	<100.0	20.6	19	12	11	10	13



ANNEXURE-IV

NOISE MONITORING- Day Time

	Near security Main Gate	Near warehouse	DG Surrounding Area	Protocol
MONTH	Leq. dB(A)	Leq dB(A)	Leq. dB(A)	
Apr-22	65.5	62	67.5	
May-22	63.2	64.1	68.4	IC
Jun-22	66.2	61.9	65.7	15 9989·1981
Jul-22	67.6	60.5	62.9	<i>))</i>)),1)01
Aug-22	65.3	61.6	63.7	
Sep-22	64.9	62.7	63.5	





	Near security Main Gate	Near warehouse	DG Surrounding Area	Protocol
MONTH	Leq. dB(A)	Leq dB(A)	Leq. dB(A)	
Apr-22	56.4	51.6	53.9	
May-22	58	52.7	55.3	TO
Jun-22	56.2	53.5	54.1	IS 0080-1081
Jul-22	55.4	52.9	51.3	<i>JJ0J</i> .1J01
Aug-22	57.6	51.2	53.5]
Sep-22	58.3	50.9	53]

NOISE MONITORING- Nighttime





Annexure-V Training Records





1	COPIES STAMPED IN RED ARE	CONTROLLED COPY FO	R OPERATIONAL USP	Bas' HIKAL
e -	ORIGINAL	Social Number of Copy Cate of Issue Structure of Issuing Person Comparison of Reviews Person	057 29108/2022 800 Neu	Unit-II, Bangalore FORMAT No.: ES01011/F/01-00 Page 01 of 01
	DATE & TIME	TRAINING AL	REA/TOPIC	TRAINER(S)

DATE & TIME	TRAINING AREA/TOPIC	SIGNATURE
29/08/2022	Procedure for Hay yearly. Younly Medical Example notion of Employees & Controlt Employees	Dan Staffeelson

Attendance:

SLNo.	Name	Department	Sign.	Remarks
01	Rujshit	production	Tintt	-
02-	M. Sarsonvanun.	Production	MS	-
03	R. Thirmalay along	Doudention	he	-
04	Manjunetse T.G	Stone	As ,	-
05	A.chinpadurai	production	Ac	_
06	Presenth R	Production	B	-
07	Shanush Thuman	HR&Admin	GD	
08	B. HIDON HUMONS	penducerda	B-	-
07	RThemany yours	TSD	mi	
10	Monorhy k	Production	This	-
.11	S. Neels twisha	production	(dia)	-
12	Arashad Kumar	Darihare	Arabbal	-
13	Madena. L	watermer	Y	
14-	Chivarand Het	producti des	¢_	
15	Vichov K. Nary	ERM	Vien	
16	Somila RARJEAN MAREiCH	CAM	0	
17	Kedan goude	EATO	Go	contention .
18	Kishse y	ae	k-	Good.



CONTROLLED COPY FOR	OPERATIONAL USE
Benai Number of Copy	052
Dete of hospe	26/07/2022
Signature of Issuing Person	an
Signature of Receiving Person	-6-0



EHS - TRAINING RECORD

DATE & TIME	TRAINING AREA/TOPIC	TRAINER(S) SIGNATURE	
26/07/2022	Training on wage of	22	
10:00 hrs	Manual call point (MCP)	7900	

Attendance: 15

SI.No.	Name	Department	Sign.	Remarks
1	Shivanagoud,	Production	50	
2	Properth-R	Roduction	BR	under sound.
\leq	Sunesh Banik	Production	52	
4	Kedan gouen	Eston	Fine	an and a start
2	C- Santeoph	production	0	(9)
6	J. Mari Selum	production	Ca	understood
7	Madles -L	Store	- 10	Understood.
8	S.MURTHY	MNT (Suis	12
9	chanasamy.s	Production	14	
10	manifumetha T.G	61070	À	-
н	dhinanand -tith	Tropuston	8-	Good
123	Benguna Leganotem	5am	Robert	hood
13	Jegmathen. P	ELM	Los	- Good
14	Gousmodin Patil	EAM	Q	Grand.
15	Bondhosh hanny	Epm	about	Informative
			NA	- 00
				25/02/10



	Smial Number of Copy	COPENATIONAL USE	S Law-0, Brogsbare
HELD ARE	Data of issue	n5/17/2072	FORMAT Nucl ESOIGILIE/01-00
CIPITISHIAL	Signature of Issuing Person	charo	Page 01 of 01

Date & Time	Training Area/Topic	Trainer(s) Signature
05/04/2022	Jubstances	10 Storhor

SL No.	Name	Department	Sign-	Remarks
01.	D. Ramesh	Frandworthing	P.A.	-
62	Prayanth R	Production	8.E	-
03	Shi varagond	mobility	50.	
04	Debassel Mander	production	D.02	-
05	Madhin-L -	Stores	Sl	~
06	Prawful . Kime	Stores 7	Prabhet	
07	C. santhorh	production	a	15
0.9	THNAGU - 7	Production	9-7	
0.4	china Semy 1	Production	4	
10	Sayal jam	PD LAB	dayal.	17.1
/1	Showlog uddin Quereshi	PDLub	- america	10
12	Mchan. (.S.	PD Lab.	ML	ok
13	Vinoth bahn	Q.c	sp	-
15	J. upendag	QC	. Ale	øle
15	Abhilhegowda HN	G.c.	0	Ø (=
16	Sahono.21.8	Q.C	60	u naturative
17	Ashwaryo Hosaman,	Qc	-18-	eposo
18	Purwholhomtr	90	14	Good.
			Sland	loghon

Attendance:

28

-20 -

1	·							
par dynamics in			Satul Number of Coly	YFOR	065	AL USE		
dOPts	ES STAMPEL RED ARE	7 IN	Sale of texas		2.8 1091	20.02	WR.	100 - Con
	ORIGINAL.		Therefore of fouriers	Page 1	Para Para		1113	Utit-II, Baneal
			EHS-1	RAIN	ING RECOR	FO	RMAT	No.: ES01011/9/01 Page 01 o
	DATE	& TIME	TRAINING	ARE	A/TOPIC		TI	RAINER(S)
	22104	liera	Procedure Hazardeni Washe Pla	tres 12 (solid Officer Ing		0	ston from
	Attendad	iee:						
	SI.No.		Name	1	Department	Sig	n .	Remarks
11	01	P.I	anna 5	p	mouchen	A	1	wedenstand
	02	5	thanse for 5	p.	dustion	4	0	Understood
i i i	03	P,	Atomed	Pro	ulatin	K.	tr.	good
	04	D.C	ing Prattar	R	aduation	24	ke.	good
	05	J·M	lani deluam	T	moderati	a		good
	ob	Port	esendro Reddy	P	souther	De	Jay	good
	07	V.	-uaniseonon	P	<i>Vallaction</i>	y my	outry.	crost
	08	C	Santher	0	noduuin	0	_	Arend
1	09	las	1. Standownaw	De	ndurting.	R	2	rad
10	U=	kon	P cutteritte	b	Lucion	An		-
	1A.	A.	Bala chancher	8	relaction	81-	2	-
	72	Porgo	4 Maiks	1	CH5	P.C.	glag	-
	13	Gor	inathe Piv		EHS -	e.	-t	н. -
10	104	SYI	Kouth. M	1	e Hes	Dis		~
	15	Matt	Ppa N.V	0	SHS	Ge	2	
	-	_					·	
						24		
10		1					-	
1	1							

-*







Indian The Dero.



Annexure-VII Display board provided at main gate

	Plot N	HIKAL LIMIT 0.28, KIADB INDUSTRIAL AREA, JIGANI, ANEKA DETAILS FOR THE MONEULOS	ED L TALUK, BANGALOR	E-560 105	HE	
1.1	WATER ACT: Consent No.: AW - 3258	B	Cto bee - 2022		17/1	
1	Demostic	Waste Water in KLD	Valid	rill: 30/06/2022		
**	HOMESNE : A95KLD	I. Domestic : A. AS KLD		Mode Of Treatement : ZLD		
11.	Industrial: 32.753 KUD	II. Industrial . A. A. K. D				
2. A	JR ACT: Consent No.: Abi - 20 5 or	1140		Mode Of Disposal : Recycl		
Nur	nber of Sources: 03		Valid	CILL: 30/06/2002		
	Boile, Scrubber, DG	Fuel Consumption		Control Equipment Types& Nos	Emissio	n Lord
	104	1. Electricity : 15400	C		kg/M	lonth
		2. HSD/NIGAS : MACINI 2717			SOx	4-8
		1 101001 3+176			NOx	25 35
3. N	ON-HAZARDOUS WASTE DETAILS				SPM CO	
Gen	eration Quantity Month :	Kes				10:3:0
4. H.	AZARDOUS WASTE MANAGEMENT & HANDLING PRO	6-		Mode Of Disposal: Accycle		
SL N	Weste Con	Authorization No.: 320	2318	Valid Till: 30/0/1		
1	5.1 - Used Spent Oil	Quantity Generated in MT	Quantity	Stored in MT	0	
2	28.1 - Process Residue and wastes	0		0	Quantity Disposed in M	Т
4	28.2 - Spent catalyst 28.3 - Spent carbon	948		1.446	10.43	
5	28.4 - Off specification products	PF-1		0.374	0	
6	28.5 - Date-expired products	0		0	2.015	
	33.1 - Empty barrels/containers /liners contaminated	3.80		0	0	
0	with hazardous chemicals /wastes	5914		0.3340	4.87	
9	33.2 - Contaminated cotton rags or other cleaning materials	2.124		0.406	6.129	
10	34.1 - Chemical-containing residue arising from	0		0		
	decontamination.	0			0	
11	54.2 - Studge from treatment of wastewater arising out of cleaning / disposal of barrels/containers		-		Ø	
12	16.1 Charles Internet and the	0.835		0		
11	36 Le Any process on distillation	1.654	4	80.	0.835	
4	37.3 - Concentration or evanoration residues	P		0.04	227	
5	B2020 - Glass wastes in non-dispersible form	8.81		1.109	0	
6	B3050 - Wood waste and scrap	0		0	4-845	
7	B4010 - Wastes consisting mainly of water-based or latex paints inks and hardward provider	0		0	0	
0	B3020 - Paner, paperheard and	0		0		
8	DB1010 Matth	0.345			0	
8	A A A A A A A A A A A A A A A A A A A			0		
s }	Diffolo - Metal and metal-alloy wastes	0		0	. 0.37	



Annexure-VIII Form- V for year 2021-2022

	or
	HÍKAL
То	28 th September 2022
Karnataka State Pollution Co Hazardous Waste Cell, Parisara #49, Church Street, Bangalore - 560 001	ntrol Board, a Bhavan, 4 th floor,
Dear Sir,	
Sub: Submission of Environm KIADB Industrial Area, A <u>Ref:</u> Combined Consent No.: A (Protection) Act 1986	ental Statement in Form-V of M/s Hikal Limited, 28, .nekal Taluk, Bangalore. .W-325853 dated-26/07/2021 and Environment

With reference to the above	subject, we are hereby submitting the "Environmental
Statement" in Form -V for the year (of 2021-2022 with required attachments enclosed the copy
of the same for your reference.	0
Kindly acknowledge the same	*
Thanking you, Yours faithfully, For IIII THAT FINITED	RECEIVED 2 8 SEP 2022 KSPCB. Bangalore
Dr. Ranganatha Kao. Asst. Vice President & Site Head	23/9/2000
Cc: The Environmental Officer, Karnataka State Pollution Control Buar Regional Office (South)-Anekal. 'Nisar Thi 'D' Main, 3rd Stage, 2nd Block, Shi	rd, 'ga Bhavan", Thimmalah Main Road ivanagar, Basaveshwaranagar, Bangalore - 560 079
coory Unitil: 28 KIADB Incl Area Jigam. Anexal Talu:	. Dangatore - 550-105 India Te 51-010-421000
annin, Offica i Creat Sastorn Chambers, 6th Floor Secto 2011 - Michael McKer Chamber - 5 Morinnan Point Au	x II CED Balapar Naa Mumbar 100 014 Indie Tel - 91 72 0777 0789 (81.21 €000 0390 miser 100 021 India Tel - 9 23 6177 0477 (81.22 5277 0300
www.httpst.com involgender.com State(24200MHIS88	RD for user ()R

32