

Date: 29/11/2023

To,  
Deputy Director General of Forests (Central),  
West Central Zone  
Regional Office ,  
New Secretariate Building ,  
Opposite VCA Ground, Civil Lines ,  
Nagpur- 440001

**Subject: Expansion project of Innovassynth Technologies (I) Limited for manufacturing of Synthetic Organic Chemicals – Submission of Consolidated compliance report for the period April 2023 to September - 2023 –Reg.**

**Ref:** Environmental Clearance File No. J-11011/20/2017-IA-II (I) dated 12<sup>th</sup> April, 2018 granted by MOEFCC, Govt. Of India.

Dear Sir,

We have received the Environment Clearance from Ministry of Environment, Forest & Climate Change (MOEFCC), Government of India on 12<sup>th</sup> April, 2018 for our Project, after that we have made compliances as per requirement.

We are submitting herewith the details of our project during the period of April 2023 to September 2023.


With this reference we wish to submit the details required as below:

1. Point wise compliance to stipulation as laid down by ministry along with necessary Annexures.
2. Consent to Operate
3. Environmental monitoring reports enclosed as Annexures.

We hope you will find same in line with your requirements.

Thanking You,

For Innovassynth Technologies (I) Limited

  
Authorized Signatory  
Mr. Vaibhav Joshi  
Chief Operating Officer



**Innovassynth Technologies (India) Ltd.**

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CIN NO. : U24110MH2001PLC134105

F. No. J-11011/20/2017-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(IA- II Section)

Indira Paryavaran Bhawan  
Jorbagh Road, New Delhi -3

Dated: 12<sup>th</sup> April, 2018

To

M/s Innovassynth Technologies (I) Limited  
S.No.9-24, Wasarang 34-36  
Chinchwali, Khopoli  
District Raigad (Maharashtra)

**Sub: Expansion of Synthetic Organic Chemicals Manufacturing Unit at Sy. No. 9-24, Wasarang 34-36, Chinchwali, Khopoli, District Raigad (Maharashtra) by M/s Innovassynth Technologies (I) Limited - Environmental clearance - reg.**

Sir,

This has reference to your proposal No. IA/MH/IND2/71477/2017 dated 29<sup>th</sup> January, 2018 submitting the EIA/EMP report with public hearing details on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of synthetic organic chemicals manufacturing unit from the present capacity of 100.5767 TPM (74 number of products) to 350 TPM (94 number of products) by M/s Innovassynth Technologies (I) Limited at Sy.No.9-24, Wasarang 34-36, Chinchwali, Khopoli, District Raigad (Maharashtra). Out of the total 74 products presently manufactured, 25 products are to discontinued, capacity of 21 products to be decreased, capacity of 21 products to be increased, whereas 7 products are to be continued. Total 45 new products of capacity 157.6866 TPM are to be added.

3. The existing land area is 244872.00 sq.m and no additional land will be required for the project. Industry has already developed greenbelt in an area of 80808 sq.m out of the total area of the project. The total project cost is Rs. 232.41 crores including existing investment of Rs 79.41 crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 1377.00 lakhs and the recurring cost (operation and maintenance) will be about Rs. 436.00 lakhs per annum. Industry proposes to allocate Rs. 382.5 lakh @ 2.5 % of expansion cost towards enterprise social commitment (ESC). The project will provide employment for 570 persons after expansion.

4. There are no National Parks, Wildlife Sanctuaries, Biosphere reserves, Tiger/ Elephant Reserves, Wildlife Corridors etc. within 10 km from the project site. Patalganga river is flowing adjacent to factory in west direction.

5. Total fresh water requirement is 1042 cum/day, proposed to be met from Patalganga river. The project proponent has signed an agreement dated 21<sup>st</sup> March, 2014, with the Irrigation Department of the State Government of Maharashtra to supply 1.20 MLD to meet the water requirement.



Total trade effluent of 297 CMD is being treated in MEE, full-fledged ETP Plant having primary, secondary and tertiary treatment and RO to achieve zero liquid discharge. Domestic waste water of 34 CMD will be treated in proposed STP of capacity 41 CMD.

Power requirement after expansion will be 4.0 MW including existing 2.5 MW and will be met from Maharashtra State Power Distribution Corporation Limited (MSPDCL). Existing unit has two DG sets of 1000 KVA each & one 500 KVA capacity. Additionally, two set of 1000 KVA capacity is proposed. Stack (height 6.3 m) will be provided as per CPCB norms to the DG sets, which will be used as standby during power failure.

Existing unit has one briquette fired boiler of 6 TPH capacity with stack height of 30 m. Additionally it is proposed to have two briquette fired boilers of 10 TPH with common stack (height 48 m) with bag filter and thermopack of 2 lakh.kcal/hr. fired on HSD with stack of 12 m height. Adequate numbers of scrubbers will be provided to control the process emission.

Ash from the boiler (10500 kg/day) shall be sent to brick manufacturer. Used/spent oil (2 TPA) will be disposed through authorized reprocesses. Distillation residue (665 TPA+630 TPA), chemical residues/sludge (4 TPA+400 TPA), containers bags / liners (70 TPA) and off specification chemicals (4 TPA) shall be sent to CHWTSD, Taloja for disposal.

6. The details of products and by-products are as under:-

S. No	Product	Capacity (TPM)				Total
		Existing	To be discontinued	To be decreased	To be increased	
1	4-Fluoroisquinoline	0.0084	--	0.0034	--	0.0050
2	Isosulfan Blue (2,5-Disulfophenyl Isomer)	0.0084	--	--	0.0016	0.0100
3	(Diethoxy methyl)-2-Ethoxy benzene	0.0840	0.0840	--	--	0.0000
4	2,4-Dimethoxy Aniline	0.1670	0.1670	--	--	0.0000
5	2,6-Dimethyl phenyl isothiocyanate	0.1670	0.1670	--	--	0.0000
6	Benzoic acid,4-(4-Propyl-1-piperazinyl)	0.1670	0.1670	--	--	0.0000
7	2-(4-Morpholinyl)-8-Phenyl-[4H-1]-benzopyran-4-one	0.0084	--	--	--	0.0084
8	9,10-Dihydro-10[2,3di(hydroxycarboxyl)propyl]-9-oxa-10-phosphaphenanthrene-10-oxide(DDP)	0.0420	0.0420	--	--	0.0000
9	Cyclopropyl Methyl Bromide (CMB)	0.0840	--	--	0.916	1.0000
10	5'-ODMT-NiBu-deoxyguanosine-3'-(2-cyanoethyl N,N diisopropylamino) Phosphoramidite (dGAmidite)	0.0420	0.0420	--	--	0.0000

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11	5'-ODMT-NBZ-deoxyadenosine-3'-(2-cyano ethyl N,N diisopropylamino) Phosphoramidite (dAAmidite)	0.0420	0.0420	--	--	0.0000
12	5'-ODMT-NBZ-deoxycytidine-3'-(2-cyano ethyl N,N diisopropylamino) Phosphoramidite (dCAmidite)	0.0420	0.0420	--	--	0.0000
13	5'-ODMT-NBZ-deoxythymidine-3'-(2-cyano ethyl N,N diisopropylamino) Phosphoramidite (dmt- T)	0.0420	0.0420	--	--	0.0000
14	3'-Amino-5' OH Thymidine (Amino – T)	0.0084	--	0.0079	--	0.0005
15	Bis (n-butylcyclopentadienyl) Zirconium dichloride	0.0420	0.0420	--	--	0.0000
16	rac-Ethylene-bis(indenyl)Zirconium dichloride	0.0420	0.0420	--	--	0.0000
17	Substituted Triazine Derivative	50.0000	--	--	25.00	75.0000
18	Ethyl 2-Methyl-4-Pentenoate (EMPE)	0.0833	--	0.0750	--	0.0083
19	Ethyl-4-Pentenoate	0.0833	--	0.0750	--	0.0083
20	Norcamphor	0.0166	--	--	--	0.0166
21	5-Bromo-Indole	0.3330	--	0.3030	--	0.0300
22	4-Pentenoic Acid	0.8333	--	--	1.1667	2.0000
23	Methyl Tiglate	0.0166	--	--	--	0.0166
24	Ethyl-2-Methyl 3-4-Pentadienoate (EMPD)	0.5000	--	0.4990	--	0.0010
25	3-3 Dimethyl Cyclohexanone (DMCH)	0.0833	--	--	0.9167	1.0000
26	2-6 Diamino-9-(b-D-Ribo) Purine (DAP)	0.0500	--	0.0450	--	0.0050
27	DMT-MOET(4,4'-dimethoxy trityl)-(methoxyethyl-thymidine)	0.0833	0.0833	--	--	0.000
28	N-Bz-DMTMOEC (N-Benzoyl-(4,4'-dimethoxytrityl)(methoxy ethyl)-cytidine	0.0833	--	--	--	0.0833
29	N-Bz-DMT-Dc (N-Benzoyl-(4,4'-Dimethoxytrityl)-	0.0833	0.0833	--	--	0.000

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	dooxy cytidine					
30	N-Benzoyl – 3 – Tritylamino 5 Phosphoramidite 2 – deoxy Adenosine (dA)	0.0040	--	0.0035	--	0.0005
31	3 – Tritylamino 5 – Phosphoramidite N-Bz-Dc	0.0040	--	0.0035	--	0.0005
32	N – Isobutyryl – 3- Tritylamino 5 – Phosphoramidite 2 – deoxy Guanosine (dG)	0.0040	--	0.0035	--	0.0005
33	3 – Tritylamino 5 – PhosphoramiditeThymidine (dT)	0.0040	--	0.0035	--	0.0005
34	4-Methyl –2-Thiomethyl Pyrimidine	0.4170	--	0.3770	--	0.0400
35	4-Hydroxy isoleucine	3.3330	--	3.2330	--	0.1000
36	4-HEXYL RESORCINOL	0.4160	--	--	1.584	2.0000
37	N <sup>2</sup> Phenyl Acetyl Guanosine	0.0416	--	0.0376	--	0.0040
38	5' – ODMT, 2' – O – Cpep, 6N – Pivaloyl Adenosine	0.0080	--	0.0070	--	0.0010
39	5' – ODMT, 2' – O – Cpep, N <sup>2</sup> – Ph – Ac - Guanosine	0.0080	--	0.0070	--	0.0010
40	5' – ODMT, 2' – O – Cpep, 4 – N – Bz Cytidine	0.0080	--	0.0070	--	0.0010
41	5' – ODMT, 2' – O – Cpep, Uridine	0.0080	--	0.0070	--	0.0010
42	p-Nitro Phenyl Phosphate – Disodium Salt Hexahydrate	0.0833	--	--	0.1167	0.2000
43	p-Nitro Phenyl Phosphate – Ditris Salt	0.0833	--	0.0733	--	0.0100
44	5'-ODMT-2'MOE-T[5'-0 (4,4'-DIMETHOXY TRITYL) – 2'-0-(2-METHOXYETHYL) – THYMIDINE]	0.0580	--	--	0.942	1.0000
45	N – BZ – 5' – ODMT – 2' – MOE – 5 – Me – C 5'-0 (4,4'-DIMETHOXY TRITYL)–2'-0-(2- METHOXYETHYL) N <sup>4</sup> – BENZOYL-5-METHYL- CYTIDINE	0.0300	--	--	0.97	1.0000
46	2' – FLUORO CYTIDINE 5'- 0-{4,4'-DIMETHOXY TRITYL}N <sup>4</sup> -ACETYL- 2'FLUORO CYTIDINE-3'- [C2-CYANOETHYL)-(N,N-	0.0020	0.0020	--	--	0.000

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	DI ISOPROPYL)- PHOSPHORAMIDITE					
47	2' – FU AMIDITE 5'-O-(4,4'- DIMETHOXY TRITYL)-2'- FLUORO URIDINE-3'-[(2- CYANOETHYL)-(N,N-DI ISOPROPYL)- PHOSPHORAMIDITE	0.0020	--	--	--	0.0020
48	5'-DMT-2'-OTBDMS-RNA PHOSPHORAMIDE AND DERIVATIVES	0.0042	--	--	0.3958	0.4000
49	EURO-5031 BLS DICYCLO PENTADIENEZERCONIUM DICHORIDE	0.0420	0.0420	--	--	0.000
50	2 CYANOPHENOL	0.1670	0.1670	--	--	0.000
51	CALONE [7-METHYL-3,4- DIHYDRO-2H-1,5-BENZO DIOXEPIN-3-1	0.0084	0.0084	--	--	0.000
52	SODIUM BETA GLYCERO PHOSPHATE	1.6600	--	0.6600	--	1.0000
53	7-BROMO 1HEPTENE	0.2200	--	--	3.78	4.0000
54	2,2 BIS [- (2INDENYL)BIPHENYL]ZIC RONIUM(IV) CHLORIDE	0.0100	--	--	0.04	0.0500
55	L-METHIONINE SULFOXIME	0.0100	--	--	--	0.0100
56	4,4'--DIMETHOXYTRITYL CHLORIDE (DMT-CL)	0.1500	--	--	0.85	1.0000
57	AD-Lactone	0.3000	0.3000	--	--	0
58	1-CYANO CYCLOBUTANE- 1,2-DICARBOXYLIC ACID DIMETHYL EASTER / TRANSDIACID	0.2000	--	--	0.2	0.4000
59	5'-DMT-C-ETHYL N- PROTECTED NUCLEOSIDES AND PHOSPHORAMIDITES	0.0100	0.0100	--	--	0
60	5'-DMT-C-ETHYL N- PROTECTED NUCLEOSIDE AND PHOSPHORAMIDITE	0.0100	--	--	0.0204	0.0304
61	NAP SUGAR	0.0500	--	--	0.95	1.0000
62	ENA -PROTECTED NUCLEOSIDE & PHOSPHORAMIDITE	0.0100		0.0090	--	0.0010
63	E-TETRACETATE	0.0500	--	--	0.15	0.2000

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64	TAC PROTECTED NECLEEOSIDE & PHOSPHORAMIDITE	0.0100	--	--	0.04	0.0500
65	5'-DMT-2'-MOE PROTECTED NUCLEOSIDE & PHOSPHORAMIDITE	0.0200	--	--	0.38	0.4000
66	5'-DMT-2'-O-METHYL PROTECTED NUCLEOSIDE & PHOSPHORAMIDITIES	0.0100	--	--	0.19	0.2000
67	ALLOFURANOSE SUGAR	0.0100	--	--	--	0.0100
68	TINUVIN -400	27.865	--	--	72.1352	100.000
69	N-Methyl 4 chloropiperridine HCL	1.0000	1.0000	--	--	0.00
70	Syringaldehyde	2.0000	2.0000	--	--	0.00
71	Indoline	2.0000	2.0000	--	--	0.00
72	2 methyl Sulphonyl 4,6 Dimethoxy Pyrimidine	3.0000	3.0000	--	--	0.00
73	O- Methyl Isoorea Hemisulphat6e	2.0000	2.0000	--	--	0.00
74	Beta-Methyl Acid (BMA)	2.0000	2.0000	--	--	0.00
	<b>Total</b>	<b>100.5765</b>	<b>13.5750</b>	<b>5.4402</b>	<b>110.7451</b>	<b>192.3134</b>
<b><u>NEW PRODUCTS TO BE ADDED</u></b>						
75	P-Anisyl Propanal	---	---	---	---	4.000
76	ANETHOL	---	---	---	---	30.00
77	5'-ODMT- DEOXYNUCLEOSIDES, PHOSPHORAMIDITES AND SUCCINATE SALTS	---	---	---	---	0.200
78	DMT-LNA-NUCLEOSIDES & PHOSPHORAMIDITES	---	---	---	---	0.100
79	GALNAC ACYCLIC SUCCINATE	---	---	---	---	0.0028
80	NOOTKATONE	---	---	---	---	0.4000
81	4-AMINOBENZONITRILE	---	---	---	---	0.1660
82	Diethyl L-(+) tartrate	---	---	---	---	0.1660
83	DL -LACTIDE	---	---	---	---	0.0083
84	DIETHYLAMINO MALONATE HCl	---	---	---	---	0.2500
85	ACRYLAMIDE PURIFIED	---	---	---	---	0.4000
86	ETHYLENEDIAMINETETR AACETIC ACID METAL CHELATE SALTS	---	---	---	---	0.0030
87	SODIUM SELENITE PENTAHYDRATE	---	---	---	---	0.0030

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88	2,4Dihydroxy Benzophenone	---	---	---	---	89.237
89	Peonile	---	---	---	---	19.000
90	R&D Products (Intermediate chemicals)	---	---	---	---	0.4000
91	4,5-Dichloro phthalic acid	---	---	---	---	0.0083
92	4-Tert-butylphenoxyAceticAcid	---	---	---	---	1.0000
93	6-Bromo-Iso-indolin-1-one	---	---	---	---	0.0083
94	Trans aconiticAcid	---	---	---	---	0.0083
95	2,2 BIS [- (2INDENYL)BIPHENYL]ZICRONIUM(IV) CHLORIDE ON SILICA SUPPORT	---	---	---	---	2.500
96	N,N-Dimethylbenzamide (DMBA)	---	---	---	---	1.0000
97	4-(methylamino) pentan-2-ol dibenzoate (AB)	---	---	---	---	1.0000
98	9,9-bis(methoxymethyl) fluorene (FLU)	---	---	---	---	1.0000
99	2-AminoBenzonitrile	---	---	---	---	1.0000
100	GAFL-158	---	---	---	---	5.0000
101	3,5-Bis(2-Cyanoprop-2-yl)benzyl bromide Anastrozole intermediate	---	---	---	---	0.0083
102	3,5-Bis(2-Cyanoprop-2-yl)Toluene Anastrozole intermediate	---	---	---	---	0.0083
103	2,2'-Azobis(2-methylpropionamidine) dihydrochloride	---	---	---	---	0.0100
104	CMPT	---	---	---	---	0.0400
105	CMIMT	---	---	---	---	0.0400
106	MTSCNE	---	---	---	---	0.1000
107	ONT-7-D & ONT-7-L	---	---	---	---	0.1000
108	UNA Phosphoramidites& Derivatives	---	---	---	---	0.0400
109	MorpholinoPhosphoramidites& Derivatives	---	---	---	---	0.1000
110	Chiral Phosphoramidites& Derivatives	---	---	---	---	0.1000
111	5'-ODMT-2' OMeNiBu-Guanosine O6 CE	---	---	---	---	0.0840
112	BisTAcidG	---	---	---	---	0.0840
113	5'-ODMT-NiBu-deoxycytidine	---	---	---	---	0.0500

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114	5'-Biotin Phosphoramidite	---	---	---	---	0.0010
115	5-Iodo dC	---	---	---	---	0.0008
116	2'-Fluoro-GiBu-3'-CEPA	---	---	---	---	0.0008
117	5'-ODMT-N6-Bz-2'-Fluoro Adenosine-3'-OCEPA	---	---	---	---	0.0008
118	5'ODMT-NiBu-dG (O6 CE)	---	---	---	---	0.0500
119	Ethyl-2,2-difluoropropionate	---	---	---	---	0.0416
<b>Total</b>						<b>157.6866</b>
<b>Grand Total</b>						<b>350.00</b>

### By-Products

S. No.	By-Product	Existing (TPM)	Proposed (TPM)	Total (TPM)
1	Hydrochloric Acid 30%	43.00	465.00	508.00
2	Sulphuric Acid 66%	85.00	100.00	185.00
3	Mixed Solvents	133.50	426.50	560.00
4	Aqueous Aluminium Chloride	303.00	897.00	1200.00
	<b>Total</b>	<b>564.50</b>	<b>1888.50</b>	<b>2453.00</b>

7. The project/activity is covered under category A of item 5(f) 'Synthetic organic chemicals' of Schedule to the Environment Impact Assessment (EIA) Notification, 2006, and requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) in the Ministry.

8. The terms of reference (ToR) for the project was granted on 5<sup>th</sup> January, 2018. Public hearing was conducted by the Maharashtra State Pollution Control Board on 2<sup>nd</sup> December, 2017.

9. The proposal for environmental clearance was placed before the EAC (Industry-2) in its meeting held on 26-28 February, 2018. The project proponent and the accredited consultant M/s Goldfinch Engineering Systems Private Limited presented the EIA/EMP report as per the ToR. The committee found the EIA/EMP report satisfactory and in consonance with the ToR, and recommended the proposal for environmental clearance with certain conditions.

10. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project '**Expansion of Synthetic Organic Chemicals Manufacturing Unit**' from the present capacity of 100.5767 TPM (74 number of products) to 350 TPM (94 number of products) by M/s Innovassynth Technologies (I) Limited at Sy.No.9-24, Wasarang 34-36, Chinchwali, Khopoli, District Raigad (Maharashtra), under the provisions of EIA Notification, 2006 and the amendments made therein, subject to the compliance of terms and conditions, as under:-

- (i) Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- (ii) As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
- (iii) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.



- (iv) National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21<sup>st</sup> July, 2010 and amended from time to time shall be followed.
- (v) To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- (vi) Solvent management shall be carried out as follows :
  - (a) Reactor shall be connected to chilled brine condenser system.
  - (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
  - (c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 98% recovery.
  - (d) Solvents shall be stored in a separate space specified with all safety measures.
  - (e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
  - (f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
  - (g) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- (vii) Total fresh water requirement shall not exceed 1042 cum/day to be met from Patalganga river. Prior permission in this regard shall be obtained from the concerned regulatory authority/CGWA.
- (viii) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
- (ix) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps.
- (x) Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- (xi) The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
- (xii) 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 material substitutes in other processes.
  - (c) Use of automated filling to minimize spillage.
  - (d) Use of Close Feed system into batch reactors.
  - (e) Venting equipment through vapour recovery system.
  - (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- (xiii) The green belt of at least 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road

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sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

- (xiv) All the commitments made regarding issues raised during the public hearing/ consultation meeting held on 2<sup>nd</sup> December, 2017 shall be satisfactorily implemented.
- (xv) At least 2.5% of the total project cost shall be allocated for Enterprise Social Commitment based on public hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.
- (xvi) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- (xvii) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- (xviii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- (xix) Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- (xx) The energy sources for lighting purposes shall preferably be LED based. A minimum of 10-20% of the total power requirement for the industrial operations shall be met from non-conventional energy resources/solar supply.
- (xxi) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

**10.1.** The grant of environmental clearance is subject to compliance of other general conditions, as under:-

- (i) The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board, Central Pollution Control Board, State Government and any other statutory authority.
- (ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- (iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be followed.
- (v) 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. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

- (vi) The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
- (vii) Training shall be imparted to all employees on safety and health aspects of chemicals 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.
- (viii) The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- (ix) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.
- (x) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (xi) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- (xii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (xiii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- (xiv) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- (xv) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://moef.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of

SKD




which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

(xvi) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

11. The Ministry may revoke or suspend the clearance, at subsequent stages, if implementation of any of the above conditions is not satisfactory.


12. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

13. The above conditions will be enforced, *inter alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

  
12/4/2018  
(S. K. Srivastava)  
Scientist E

**Copy to:-**

1. The Additional PCCF (C), MoEF&CC Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur - 1
2. The Secretary, Environment Department, Government of Maharashtra, 15<sup>th</sup> Floor, New Administrative Building, Mantralaya, Mumbai - 32
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> & 4<sup>th</sup> floor, Opp. Cine Planet, Sion Circle, Mumbai - 22
5. Guard File/Monitoring File/Website/Record File

  
12/4/2018  
(S. K. Srivastava)  
Scientist E

**Point wise compliance on the conditions of the Environment Clearance letter no : F.No. J-11011 /20/2017-IA-II(I) dated 12th April 2018 vide which EC was accorded to Innovassynth Technologies(I) Limited.**

<b>Sr No</b>	<b>Terms and conditions in EC</b>	<b>Compliance</b>
i	Consent to Establishment/Operate for the Project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act 1981 and the Water (Prevention and Control of Pollution) Act 1974.	We have obtained Amendment in existing Consent to Operate under change in product mix vide document no. Format1.0/CC/UAN No.0000121756/CR/2209000479 dated 11/09/2022 and the said amendment is enclosed as <b>Annexure-1</b>
ii	As already committed by the project proponent, Zero Liquid Discharge shall be ensured, and no waste/treated water shall be discharged outside the premises.	The scheme for the treatment of effluent is as under: Effluent generating from process is segregated in two streams high TDS & low TDS stream. High TDS stream from process along with RO reject is treated in MEE. Condensate from evaporator along with low TDS stream from process is fed to the primary treatment. Primary treated stream is fed to secondary treatment followed by tertiary treatment. Tertiary treated waste water is fed to RO. RO permeate is recycled in utilities & RO reject is fed to evaporator to achieve zero liquid discharge. No waste / treated water is being discharged outside the premises. The photos of the ZLD scheme are enclosed as <b>Annexure-1A</b>
iii	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	The latest CHWTSDF membership certificate MWML –HzW – KHP-320 valid till 31 <sup>st</sup> March 2024 is enclosed as <b>Annexure-2</b>
iv	National Emission Standard for Organic Chemicals Manufacturing Industries issued by the Ministry vide G.S.R. 608(E) dated 21 <sup>st</sup> July, 2010 and amended from time to time shall be followed.	We are monitoring the parameters applicable to us as per the valid issued CTO. The following applicable effluent parameters are mentioned in the GSR. 608 (E) are being monitored: pH, BOD, Oil & Grease, Phenol & Cyanide. The emission norms for the incinerator are not applicable to us as we don't have any onsite incinerator. The ETP outlet reports are enclosed as <b>Annexure-3</b>
v	To control source and the fugitive emission, suitable pollution control devices shall be installed to meet the prescribed norms and / or the NAAQS.	Various scrubbers have been provided to the process vents to counter the fugitive emissions. The details of the stacks along with the stack heights are tabulated as under:

	The gaseous emission shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines	<table><tr><th>No</th><th>Stack Attached To</th><th>APC System</th><th>Stack Height (m)</th></tr><tr><td>1</td><td>Process Vent ( MPP)</td><td>Scrubber with Caustic solution</td><td>7</td></tr><tr><td>2</td><td>Process Vent ( MPP)</td><td>Scrubber with Caustic solution</td><td>7</td></tr><tr><td>3</td><td>Process Vent ( PP1)</td><td>Scrubber with Caustic solution</td><td>10</td></tr><tr><td>4</td><td>Process Vent ( PP2)</td><td>Scrubber with Caustic solution</td><td>7</td></tr><tr><td>5</td><td>Process Vent (PP3/4/5)</td><td>Scrubber with Caustic solution</td><td>13</td></tr><tr><td>6</td><td>Process Vent (PP3/4/5)</td><td>Scrubber with Caustic solution</td><td>13</td></tr><tr><td>7</td><td>Process Vent (PP3/4/5)</td><td>Scrubber with Caustic solution</td><td>13</td></tr><tr><td>8</td><td>Process Vent ( PP6)</td><td>Scrubber with Caustic solution</td><td>7</td></tr><tr><td>9</td><td>Process Vent ( ETP)</td><td>Scrubber with Caustic solution</td><td>13</td></tr></table>	No	Stack Attached To	APC System	Stack Height (m)	1	Process Vent ( MPP)	Scrubber with Caustic solution	7	2	Process Vent ( MPP)	Scrubber with Caustic solution	7	3	Process Vent ( PP1)	Scrubber with Caustic solution	10	4	Process Vent ( PP2)	Scrubber with Caustic solution	7	5	Process Vent (PP3/4/5)	Scrubber with Caustic solution	13	6	Process Vent (PP3/4/5)	Scrubber with Caustic solution	13	7	Process Vent (PP3/4/5)	Scrubber with Caustic solution	13	8	Process Vent ( PP6)	Scrubber with Caustic solution	7	9	Process Vent ( ETP)	Scrubber with Caustic solution	13
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vi	<p>Solvent management shall be carried out as follows:</p> <p>(a) Reactor shall be connected to chilled brine condenser system.</p> <p>(b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.</p> <p>(c) The condensers shall be provided with sufficient HTI and residence time so as to achieve more than 98% recovery.</p> <p>(d) Solvents shall be stored in a separate space specified with all safety measures.</p> <p>(e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.</p> <p>(f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breath valve to prevent losses.</p> <p>(g) All the solvent storage tanks shall be</p>	<p>a) Reactors are connected to chilled brine condenser system</p> <p>b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.</p> <p>c) The condensers shall be provided with sufficient HTI and residence time so as to achieve more than 98% recovery.</p> <p>d) Solvents are stored in designated areas with all safety measures.</p>																																								

	connected with vent condensers with chilled brine circulation.	<p>e) Proper earthing is provided to the equipment's handling solvents.</p> <p>f) The entire plant is provided with flameproof machinery. The solvent storage tanks are provided with breather valves.</p> <p>g) Vent condenser provided to the storage tanks.</p>
vii	Total fresh water requirement shall not exceed 1042 cum/day to be met from Patalganga river, prior permission in this regard shall be obtained from the concerned regulatory authority /CHWA	As per the guidelines, site is consuming water within the stipulated quantity i.e 1042 cum/day. The water permission from the Irrigation Department Karjat is enclosed as <b>Annexure-4</b>
viii	Process effluent/any wastewater shall not be allowed to mix with storm water, Storm water drain shall be passed through guard pond.	The process effluent / any wastewater is not mixing with storm water as separate drains / channels have been provided for the process effluent and the storm water. Photographs of the separate effluent conveyance system sewage conveyance system and storm water drain are enclosed as <b>Annexure-5</b>
ix	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps.	All hazardous chemicals are stored in tanks, tank farms, drums, carboys etc. Photographs of the same are enclosed as <b>Annexure-6</b> Flame arresters are already provided on tank farm, and solvents are transferred through pumps.
x	Process organic residue and spent carbon, if any shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Latest valid CHWTSDF permission vide membership MWML-HzW –KHP-320 valid till 31 <sup>st</sup> March 2024 is enclosed as <b>Annexure-2</b>
xi	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	The Company is strictly complying with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals are as per the Motor Vehicle Act (MVA), 1989.
xii	<p>The company shall undertake waste minimization measures as below:</p> <p>(a) Metering and control of quantities of active ingredients to minimize waste.</p> <p>(b) Reuse of by-products from the process as raw materials or as raw material substitutes in other</p>	<p>a) All raw materials are metered and controlled for its quantities to minimize waste.</p>

	<p>process.</p> <p>(c) Use of automated filling to minimize spillage</p> <p>(d) Use of close Feed system into batch reactors.</p> <p>(e) Venting equipment through vapour recovery system</p> <p>(f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.</p>	<p>b) Recovered Solvents are reused in processes.</p> <p>c) Pumps are used to transfer liquids in closed pipelines.</p> <p>d) Closed hoppers are provided for solid material charging in reactors.</p> <p>e) Vent Condensers are provided as secondary condensers for vapour recovery.</p> <p>f) High Pressure Hoses are used wherever require as per the need</p>
xiii	The green belt of at least 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downwind direction and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Site is having greenbelt area of 80808 m <sup>2</sup> (33% of total plot area). Total 15000 trees are surrounding production plants. Plantation photographs are enclosed as <b>Annexure-7</b>
xiv	All the commitments regarding issues raised during the public hearing / consultation meeting held on 2 <sup>nd</sup> December 2017 shall be satisfactorily implemented.	The public hearing compliance matrix is enclosed as <b>Annexure-8</b>
xv	At least 2.5% of the total project cost shall be allocated for Enterprise Social Commitment based on public hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	The Company has spent Rs. 59.13 Lakhs for ESR activity as against amount of Rs. 130.53 Lakhs which the company is liable to spend based on its capital investment as on 30th September 2023 (which is 2.5% of invested amount). Company has initiated the measures to spend the balance amount of Rs. 71.40 Lakhs. <b>Annexure-9</b> (status of projects are attached).
xvi	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	<p>The DG sets are provided with proper stack height as per CPCB norms &amp; acoustic enclosure. Photograph of the acoustic enclosure is enclosed as <b>Annexure-10</b></p> <p>Stack height of 6.3 m has been provided for the D.G set of 1000 KVA</p> <p>Stack height of 30 m has been provided for the D.G set of 1010 KVA.</p>
xvii	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material	Proper arrangement such as fire extinguishers and the fire hydrant system has been provided as per the norms

	handling. Firefighting system shall be as per the norms.	Details are enclosed as <b>Annexure-23</b>															
xviii	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance is being carried out regularly. Form-7 for the period 19/6/2023 onwards is enclosed as <b>Annexure-11</b>															
xix	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Raw materials are being stored in Tank Farm. Photographs are enclosed as <b>Annexure-6</b>															
xx	The energy sources for lighting purpose shall preferably be LED based. A minimum of 10-20% of the total power requirement for the industrial operations shall be met from non-conventional energy resources/solar/supply.	<p>The statement of the LEDs installed in the RM store, Water works and PP3/4/5 utility is given below:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th><th>Existing Operation /Practice</th><th>Implemented Practice</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Conventional tube lights used in stores and utilities.</td><td>Replaced conventional tube lights used in Stores, Hydrant room, parking, and Washrooms with LED fittings.</td></tr> <tr> <td>2.</td><td>Hot water pump of R201 with energy efficient pump, thus reduced energy usage by 11 Kw/hour of operation.</td><td>Hot water pump of R201 with energy efficient pump, thus reduced energy usage by 11 Kw/hour of operation.</td></tr> <tr> <td>3.</td><td>In DCS control room replaced old 8T package AC (02 nos) with 2T split AC (02 nos.)</td><td>In DCS control room replaced old 8T package AC (02 nos) with 2T split AC (02 nos.)</td></tr> <tr> <td>4.</td><td>Stopped using Hot water pump for dryer and started using LPS, thus saved running of 15KW motor for 10 hours every day.</td><td>Stopped using Hot water pump for dryer and started using LPS, thus saved running of 15KW motor for 10 hours every day.</td></tr> </tbody> </table> <p>The further details of the power consumption reduction is enclosed as <b>Annexure-12</b></p>	Sr. No.	Existing Operation /Practice	Implemented Practice	1.	Conventional tube lights used in stores and utilities.	Replaced conventional tube lights used in Stores, Hydrant room, parking, and Washrooms with LED fittings.	2.	Hot water pump of R201 with energy efficient pump, thus reduced energy usage by 11 Kw/hour of operation.	Hot water pump of R201 with energy efficient pump, thus reduced energy usage by 11 Kw/hour of operation.	3.	In DCS control room replaced old 8T package AC (02 nos) with 2T split AC (02 nos.)	In DCS control room replaced old 8T package AC (02 nos) with 2T split AC (02 nos.)	4.	Stopped using Hot water pump for dryer and started using LPS, thus saved running of 15KW motor for 10 hours every day.	Stopped using Hot water pump for dryer and started using LPS, thus saved running of 15KW motor for 10 hours every day.
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xxi	Continuous online (24x7) monitoring system for stack emission shall be installed for measurement of fuel gas discharge and the pollutants	The online monitoring of the stacks is being carried out for the measurement of the flue gas discharge and the pollutants concentrations. The															

	concentration and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	online CEMS has been connected to the CPCB and MCPB server. The online continuous effluent monitoring of the effluent is being carried out and the unit has installed web camera with night vision capability and flow meters in the channel / drain carrying effluent within the premises. The online effluent monitoring system has been connected to the CPCB and MPCB server. The MPCB login portal along with other details is enclosed as <b>Annexure-13</b>
Other General Conditions		
i	The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board, Central Pollution Control Board, State Government and any other statutory authority.	Annual returns in Form-4 as required are being submitted to MPCB regularly. The latest Form-4 was submitted online to MPCB on 8/6/2023. The Form-4 is enclosed as <b>Annexure-14</b>  The Environmental Statement i.e, Form-V is also being regularly submitted online to MPCB. The latest Form-V was submitted online to MPCB on 18/09/2023. The Form-V is enclosed as <b>Annexure-15</b>  We have also obtained necessary statutory permission such as CTE and the CTO from MPCB and we are scrupulously adhering to the stipulations, terms & conditions mentioned therein.
ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate change. In case of deviation or alterations in the project proposals from those submitted to this Ministry for clearance a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environment protection measures required if any.	Agreed and noted for compliance
iii	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	The ambient air quality monitoring was carried out at four locations in September 2023 inside factory premises. A snapshot of the results is presented below:  The PM <sub>10</sub> varied from 64.37 µg/m <sup>3</sup> (Near ETP) to 85.13 µg/m <sup>3</sup> (Near Main Gate)  The PM <sub>2.5</sub> varied from 33.12 µg/m <sup>3</sup> (Near ETP) to 46.82 µg/m <sup>3</sup> (Near OHC colony).  The NO <sub>x</sub> varied from 13.51 µg/m <sup>3</sup> (Near OHC Colony) to 19.85 µg/m <sup>3</sup> (Near Main Gate).

		<p>The SO<sub>2</sub> varied from 10.28 µg/m<sup>3</sup> (Near OHC Colony) to 12.90 µg/m<sup>3</sup> (Near Main Gate).</p> <p>Additional Air Monitoring is conducted Kumbhivali &amp; Savroli Village in November 2023 in September 2022. A snapshot of the results is presented below:</p> <p>The PM<sub>10</sub> at Savroli is 53.28 µg/m<sup>3</sup> and at Kumbhivali is 57.84 µg/m<sup>3</sup></p> <p>The PM<sub>2.5</sub> at Savroli 27.44 µg/m<sup>3</sup> and at Kumbhivali is 30.29 µg/m<sup>3</sup></p> <p>The NO<sub>x</sub> at Kumbhivali is 35.42 µg/m<sup>3</sup> and at Savroli is 49.31 µg/m<sup>3</sup></p> <p>The SO<sub>2</sub> at Savroli is 14.37 µg/m<sup>3</sup> and at Kumbhivali Village is 18.48 µg/m<sup>3</sup></p> <p>The results depict that all the parameters are within the respective stipulated limits as per NAAQS 2009.</p> <p>The AAQM reports are enclosed as <b>Annexure-16</b></p>
iv	<p>The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826(E) dated 16<sup>th</sup> November, 2009 shall be followed.</p>	<p>The ambient air quality monitoring was carried out at four locations in September 2023 inside factory premises. A snapshot of the results is presented below:</p> <p>The PM<sub>10</sub> varied from 64.37 µg/m<sup>3</sup> (Near ETP) to 85.13 µg/m<sup>3</sup> (Near Main Gate)</p> <p>The PM<sub>2.5</sub> varied from 33.12 µg/m<sup>3</sup> (Near ETP) to 46.82 µg/m<sup>3</sup> (Near OHC colony).</p> <p>The NO<sub>x</sub> varied from 13.51 µg/m<sup>3</sup> (Near OHC Colony) to 19.85 µg/m<sup>3</sup> (Near Main Gate).</p> <p>The SO<sub>2</sub> varied from 10.28 µg/m<sup>3</sup> (Near OHC Colony) to 12.90 µg/m<sup>3</sup> (Near Main Gate).</p> <p>Additional Air Monitoring is conducted Kumbhivali &amp; Savroli Village in November 2023 in September 2022. A snapshot of the results is presented below:</p> <p>The PM<sub>10</sub> at Savroli is 53.28 µg/m<sup>3</sup> and at Kumbhivali is 57.84 µg/m<sup>3</sup></p> <p>The PM<sub>2.5</sub> at Savroli 27.44 µg/m<sup>3</sup> and at Kumbhivali is 30.29 µg/m<sup>3</sup></p>



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v	<p>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. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dB(A) (day time) and 70 dB(A) (night time)</p>	<p>The ambient noise levels are being monitored regularly. The ambient noise was monitored at 8 locations. A snapshot of the Leq day and Leq night is presented below:</p> <p>The Leq day varied from 59.6dB(A) (Near Main Gate) to 71.6 dB(A) (Near Boiler DG Area).</p> <p>The Leq night varied from 58.2 dB(A) (Near Main Gate) to 68.2 dB(A) (D.G area near Boiler)</p> <p>The ambient noise levels are within the respective limits of daytime: 75 dB(A) and the night time: 70 dB(A) for the industrial area as per CPCB.</p> <p>The noise reports are enclosed as <b>Annexure-17</b></p>
vi	<p>The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.</p>	<p>Rain water harvesting is in place. A rainwater harvesting structure of the dimensions 2.5 m x 1.5 m x 2.0 m i.e., 7.5 m<sup>3</sup> has been constructed for storing rain water. The schematic drawing of rainwater harvesting is enclosed as <b>Annexure-18</b></p>
Vii	<p>Training shall be imparted to all employees on safety and health aspects of chemicals 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.</p>	<p>Training is being imparted to all employees on safety and health aspects of chemicals handling. Pre –employment and routine periodical medical examinations for all employees are being undertaken on regular basis. Training to all employees on handling of chemicals is being imparted. Training record is available and enclosed as <b>Annexure-22</b></p>
viii	<p>The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation measures relating to the project shall be implemented.</p>	<p>We are scrupulously complying with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation measures relating to the project are being implemented.</p>

ix	The Comply shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.	We have already started ESC activities in local surrounding villages.
x	The company shall undertake eco-developmental measures including community welfare measures in the project are for the overall improvement of the environment.	Noted and agreed
xi	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	A total capital cost of Rs. 81.72 lakhs had been allocated for the year 2022 -2023 for the environmental protection measures as part of the implementation of the conditions stipulated by MoEF & CC as well as the State Government. Details are attached in <b>Annexure 24</b> .
xii	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad /Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any were received while processing the proposals.	Noted & Agreed We have not received any suggestions and representations while processing the proposals from concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local and the local NGO. Hence this clearance copy not given to them.
xiii	The project proponent shall also submit six monthly reports on the status compliance of the stipulated Environment Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF & CC, the respective Zonal Office of CPCB and SPCB. A copy of Environment Clearance and six monthly compliance status report shall be posted on the website of the company.	We are submitting the six monthly compliance reports regularly. The speed post receipts of the 9 <sup>th</sup> six monthly compliance report submitted to the various regulatory agencies is enclosed as <b>Annexure-19</b>
xiv	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form – V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently, shall also be put on the website of the company along with the status of compliance of environment clearance conditions and shall also be sent to the respective Regional Offices of	The Environmental Statement i.e, Form-V is also being regularly submitted online to MPCB. The latest Form-V was submitted online to MPCB on 26/09/2022. Status of compliance of EC is already put on company website along with EC Letter and also sent to Regional Offices of MOEF&CC by email.  The web link for the uploaded EC letter on the website is as under:

	MoEF&CC by e-mail.	<a href="https://www.innovassynth.com/wp-content/uploads/2022/03/Environmental-Clearance-Certificate-23042018.pdf">https://www.innovassynth.com/wp-content/uploads/2022/03/Environmental-Clearance-Certificate-23042018.pdf</a>  The web-link for the six-monthly compliance report on the website is as under:  <a href="https://www.innovassynth.com/wp-content/uploads/2023/05/EC-Compliance-MOEF-Oct-22-to-March-23.pdf">https://www.innovassynth.com/wp-content/uploads/2023/05/EC-Compliance-MOEF-Oct-22-to-March-23.pdf</a>  The Form-V is attached to the six-monthly compliance report as <b>Annexure -15</b>
xv	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be sent at Website of the Ministry at <a href="http://moef.nic.in">http://moef.nic.in</a> . This shall be advertised within seven days from the date of issues of the clearance letter, at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular languages of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	The advertisement of the obtained Environmental clearance was published in the newspapers, Loksatta (Marathi) dated 27 <sup>th</sup> April 2018 and Indian Express (English) dated 27 <sup>th</sup> April 2018. The aforesaid advertisements are enclosed as <b>Annexure-20</b>
xvi	The project authorities shall inform the Regional Office as well as the ministry the data of financial closer and final approval of the project by the concerned authorities and the date of start of the project.	We have already taken CTE & CTO from Maharashtra Pollution Control Board (MPCB). We have already informed to the ministry and Regional Office of MOEF&CC about the project start in the in vide letter dated 04/09/2018.
11	The Ministry may revoke or suspend the clearance ,at subsequent stages ,if implementation of any of the above conditions is not satisfactory	Noted and agreed
12.	The Ministry reserves the right to stipulate the additional in a conditions, if found necessary. The company in a time bound manner will implement these conditions	Noted and agreed
13.	The above conditions will be enforced inter alia under the provisions of the Water (Prevention and Control of Pollution), Act 1974, Air (Prevention &	The latest valid PLI copies are enclosed as <b>Annexure-21</b>

	Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management) and Transboundary Movement) Rules, 2016 and Public Liability Insurance Act, 1991 along with their amendments and rules	
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Annexure No	Annexure title
1.	Consent to Operate
1A.	ETP ZLD Photographs
2.	MWML Membership Certificate
3.	ETP Outlet Reports
4.	Water Permission from Irrigation Department Karjat
5.	Photographs of Separate Effluent System & Drain
6.	Photographs of Tank farm
7.	Tree Plantation Photographs
8.	Public Hearing Compliance
9.	Details of ESR
10.	Photographs of Acoustic Enclosure
11.	Health Register-Form 7
12.	Details of LEDs
13.	Online Monitoring System & MPCB Login
14.	Form 4
15.	Form 5
16.	AAQMS Reports
17.	Noise Reports
18.	Rain Water Harvesting
19.	Speed Post Receipts
20.	Advertisement in NewsPapers
21.	Public Liability Insurance
22.	Training Record on Health & Safety
23.	Fire Extinguishers
24.	Cost Allocation details

## **Annexure – 1**

# **Amendment in the CTO under change in product mix**

# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd and  
4th floor, Opp. Cine Planet  
Cinema, Near Sion Circle,  
Sion (E), Mumbai-400022

RED/L.S.I (R22)  
No:- Format1.0/CC/UAN  
No.0000121756/CR/2209000479

Date: 11/09/2022

To,  
M/s. Innovassynth Technologies (India) Limited.,  
Revenue Survey No. 9 - 24, Wasrang 34-36,  
Chinchwali at Khopoli, Tal.- Khalapur,  
Dist-Raigad -410203.



Your Service is Our Duty

**Sub: Grant of Amendment in existing Consent to Operate under change in product mix.**

- Ref:**
1. Consent to 1st Operate (part-II) for expansion & amalgamation granted by the Board vide Consent No. Format 1.0/UAN No. MPCB-BY\_PRODUCT-0000000013/CO-2112000001, Dated. 22.12.2021 valid upto 21.08.2023
  2. Environmental Clearance accorded by MoEF & CC, Govt. of India vide No. F. No. J-11011/20/2017-IA-II (I), Date. 12.04.2018.
  3. Minutes of committee meeting for By-product and Hazardous Waste Categorization held on 02.09.2021.
  4. Minutes of the 4th Technical Committee under change in product mix, date.19.02.2022 & 22.02.2022.
  5. Minutes of the 13th Consent Committee meeting held on 01.08.2022.

Your application No.MPCB-CONSENT-0000121756 Dated 15.09.2021

For: Grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to renewal is granted for a period up to 31/08/2023**
2. **The capital investment of the project is Rs.108.6687 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 108.13 Crs + Expansion/Increase in C.I. - Rs. 0.53 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
Products					
1	2-(4-Morpholinyl)-8-Phenyl-[4H-1] - benzopyran-4-one	8.4	1.6	10	Kg/M
2	Cyclopropyl Methyl Bromide (CMB) OR CPMB	50	0	50	Kg/M
3	3'-Amino-5' OH Thymidine (Amino - T)	0.5	0	0.5	Kg/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
4	Substituted Triazine Derivative / CG 29-1127 / 4-[4,6-bis(2,4-dimethyl phenyl)-1,3,5-triazine-2yl]-1,3 Benzenediol	68671.3	199.231	68870.531	Kg/M
5	Norcamphor	6.6	3.4	10	Kg/M
6	4-Pentenoic Acid	20	80	100	Kg/M
7	3-3 Dimethyl Cyclohexanone (DMCH)	50	0	50	Kg/M
8	2-6 Diamino-9-(?-D-Ribo) Purine (DAP)	5	0	5	Kg/M
9	N-Bz-DMTMOE C OR (N-Benzoyl-(4,4'-dimethoxytrityl)(methoxy ethyl)-cytidine) (PNS)	15.8	84.2	100	Kg/M
10	2'-MOE Cytidine	0.85	0.15	1	Kg/M
11	2'-MOE N-Benzoyl Cytidine (Diol)	0.85	0.15	1	Kg/M
12	5'-ODMT-2'-MOE N-Benzoyl Cytidine-3'-OCEPA (Amidite)	15.8	0.2	16	Kg/M
13	N-Benzoyl - 3 - Tritylamino 5 Phosphoramidite 2 - deoxy Adenosine (dA)	0.5	0.5	1	Kg/M
14	3 - Tritylamino 5 - Phosphoramidite N-Bz-Dc	0.5	0.5	1	Kg/M
15	N - Isobutyryl - 3- Tritylamino 5 - Phosphoramidite 2 - deoxy Guanosine (dG)	0.5	0.5	1	Kg/M
16	3 - Tritylamino 5 - Phosphoramidite Thymidine (dT)	0.5	0.5	1	Kg/M
17	4-Methyl -2-Thiomethyl Pyrimidine	40	0	40	Kg/M
18	4-HEXYL RESORCINOL	2000	-1250	750	Kg/M
19	N2 Phenyl Acetyl Guanosine OR N-iPAC dG OR dG(iPAC)	4	21	25	Kg/M
20	p-Nitro Phenyl Phosphate - Disodium Salt Hexahydrate OR PNPP DiNa	200	0	200	Kg/M
21	p-Nitro Phenyl Phosphate - Ditriss Salt OR PNPP Ditriss	10	0	10	Kg/M
22	5'-ODMT-2'MOE-T OR [5'-O (4,4'-DIMETHOXY TRITYL) - 2'-O-(2-METHOXYETHYL) - THYMIDINE] (PNS)	100	0	100	Kg/M
23	2'-MOE Thymidine (Diol)	2.5	0.5	3	Kg/M
24	5'-ODMT-2'-MOE Thymidine-3'-OCEPA (Amidite)	23.75	1.25	25	Kg/M
25	N - BZ - 5' - ODMT - 2' - MOE - 5 - Me - C OR (5'-O (4,4'-DIMETHOXY TRITYL)-2'-O-(2-METHOXYETHYL) N4 -BENZOYL-5-METHYL-CYTIDINE) (PNS)	11.875	88.125	100	Kg/M
26	2'-MOE N-Benzoyl 5-Methyl Cytidine (Diol)	2.5	0.5	3	Kg/M
27	5'-ODMT-2'-MOE N-Benzoyl 5-Methyl Cytidine 3'-OCEPA (Amidite)	11.875	0.125	12	Kg/M
28	3'-ODMT-2'-MOE N-Benzoyl 5-Methyl Cytidine (Reverse PNS)	11.875	0.125	12	Kg/M



Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
29	3'-ODMT-2'-MOE N-Benzoyl 5-Methyl Cytidine 5'-OCEPA (Reverse Amidite)	11.875	0.125	12	Kg/M
30	2' - FU AMIDITE OR (5'-O-(4,4'-DIMETHOXY TRITYL)-2'-FLUORO URIDINE-3'-[(2-CYANOETHYL)-(N,N-DI ISOPROPYL)]-PHOSPHORAMIDITE)	0.5	24.5	25	Kg/M
31	5'-ODMT-2'-Fluoro Uridine (PNS)	0.5	99.5	100	Kg/M
32	5'-ODMT-N-Ac-2'-Fluoro Cytidine-3'-OCEPA (Amidite)	0.5	24.5	25	Kg/M
33	5'-ODMT-N-Ac-2'-Fluoro Cytidine (PNS)	0.5	99.5	100	Kg/M
34	5'-DMT-2'-OTBDMS-RNA PHOSPHORAMITE AND DERIVATIVES	5.227	44.773	50	Kg/M
35	3',5'-Triflate Adenosine	0.086	0.014	0.1	Kg/M
36	3',5'-Triflate 2'-OTBDMS-Adenosine	0.086	0.014	0.1	Kg/M
37	N6-Benzoyl Adenosine (N6-Bz-A)	0.086	0.014	0.1	Kg/M
38	3',5'-Triflate 2'-OTBDMS-N6-Benzoyl Adenosine	0.086	0.014	0.1	Kg/M
39	2'-OTBDMS-N6-Benzoyl Adenosine	0.086	0.014	0.1	Kg/M
40	5'-O-Dimethoxytrityl 2'-OTBDMS-N6-Benzoyl Adenosine (PNS)	5.295	0.705	6	Kg/M
41	5'-O-Dimethoxytrityl 2'-OTBDMS-N6-Benzoyl Adenosine 3'-CEPA (Amidite)	5.295	0.705	6	Kg/M
42	5'-O-Dimethoxytrityl 2'-OTBDMS-N6-Benzoyl Adenosine 3'-Succinate TEA salt	0.086	0.014	0.1	Kg/M
43	3',5'-Triflate Guanosine	0.086	0.014	0.1	Kg/M
44	N2-isobutyryl-Guanosine	0.086	0.014	0.1	Kg/M
45	3',5'-Triflate 2'-OTBDMS-N2-Isobutyryl Guanosine	0.086	0.014	0.1	Kg/M
46	2'-OTBDMS-N2-Isobutyryl Guanosine	0.086	0.014	0.1	Kg/M
47	5'-O-Dimethoxytrityl 2'-OTBDMS-N2-Isobutyryl Guanosine (PNS)	5.295	0.705	6	Kg/M
48	5'-O-Dimethoxytrityl 2'-OTBDMS-N2-Isobutyryl Guanosine 3'-CEPA (Amidite)	5.295	0.705	6	Kg/M
49	5'-O-Dimethoxytrityl 2'-OTBDMS-N2-Isobutyryl Guanosine 3'-Succinate TEA salt	0.086	0.014	0.1	Kg/M
50	N2-dmf-Guanosine	0.086	0.014	0.1	Kg/M
51	3',5'-Triflate 2'-OTBDMS-N2-dmf Guanosine	0.086	0.014	0.1	Kg/M
52	2'-OTBDMS-N2-dmf Guanosine	0.086	0.014	0.1	Kg/M
53	5'-O-Dimethoxytrityl 2'-OTBDMS-N-DMF-Guanosine (PNS)	0.086	0.014	0.1	Kg/M
54	5'-O-Dimethoxytrityl 2'-OTBDMS-N-DMF-Guanosine 3'-CEPA (Amidite)	0.086	0.014	0.1	Kg/M
55	5'ODMT-2'OTBDMS-NAc-CYTIDINE	0.086	0.014	0.1	Kg/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
56	3'5'-(Di-t-butyl-silyl) 2'-OTBDMS Cytidine (Triflate 2'-OTBDMS-Cytidine)	0.086	0.014	0.1	Kg/M
57	Triflate 2'-OTBDMS-N4-Acetyl Cytidine	0.086	0.014	0.1	Kg/M
58	2'-OTBDMS-N4-Acetyl Cytidine	0.086	0.014	0.1	Kg/M
59	5'-O-Dimethoxytrityl-N4-Acetyl 2'-OTBDMS-Cytidine (PNS)	5.227	0.773	6	Kg/M
60	5'-O-Dimethoxytrityl-2'-OTBDMS-N4-Acetyl Cytidine 3'-CEPA (Amidite)	5.227	0.773	6	Kg/M
61	5'-O-Dimethoxytrityl-2'-OTBDMS-N-Ac-Cytidine 3'-O-succinate TEA salt	0.086	0.014	0.1	Kg/M
62	3'5'-Triflate Uridine	0.086	0.014	0.1	Kg/M
63	3'5'-Triflate 2'-OTBDMS-Uridine	0.086	0.014	0.1	Kg/M
64	2'-OTBDMS Uridine	0.086	0.014	0.1	Kg/M
65	5'-O-Dimethoxytrityl-Uridine	0.086	0.014	0.1	Kg/M
66	5'-O-Dimethoxytrityl-2'-OTBDMS Uridine (PNS)	5.227	0.773	6	Kg/M
67	5'-O-Dimethoxytrityl-2'-OTBDMS Uridine 3'-CEPA (Amidite)	5.227	0.773	6	Kg/M
68	5'-O-Dimethoxytrityl-2'-OTBDMS-Uridine 3'-O-Succinate TEA salt	0.086	0.014	0.1	Kg/M
69	5'ODMT-2'OTBDMS-N-Bz-Adenosine-3'-Isopropyl Phosphoramidite (Impurity)	0.09	0.01	0.1	Kg/M
70	5'ODMT-2'OTBDMS-NiBu-Guanosine-3'-Isopropyl Phosphoramidite (Impurity)	0.09	0.01	0.1	Kg/M
71	5'ODMT-2'OTBDMS-Ndmf-Guanosine-3'-Isopropyl Phosphoramidite (Impurity)	0.09	0.01	0.1	Kg/M
72	5'ODMT-2'OTBDMS-N-Ac-Cytidine-3'-Isopropyl Phosphoramidite (Impurity)	0.09	0.01	0.1	Kg/M
73	5'ODMT-2'OTBDMS-Uridine-3'-Isopropyl Phosphoramidite(Impurity)	0.09	0.01	0.1	Kg/M
74	SODIUM BETA GLYCERO PHOSPHATE	50	0	50	Kg/M
75	7-BROMO 1HEPTENE	500	-450	50	Kg/M
76	2,2 BIS [-(2INDENYL)BIPHENYL]ZICRONIUM(IV) CHLORIDE	50	0	50	Kg/M
77	L-METHIONINE SULFOXIME	5	0	5	Kg/M
78	4,4'-DIMETHOXYTRITYL CHLORIDE (DMT-Cl)	1250	750	2000	Kg/M
79	1-CYANO CYCLOBUTANE-1,2-DICARBOXYLIC ACID DIMETHYL EASTER / TRANSDIACID	300	0	300	Kg/M
80	Trans 1,2-Cyclobutane Dicarboxylic acid	64	0	64	Kg/M
81	5'-DMT-C-ETHYL N-PROTECTED NUCLEOSIDE AND PHOSPHORAMIDITE	1.52	8.48	10	Kg/M
82	cEt N-Benzoyl Adenosine (Diol)	0.169	-0.159	0.01	Kg/M
83	5'-ODMT cEt N-Benzoyl Adenosine (PNS)	1.52	-0.151	0.01	Kg/M
84	5'-ODMT cEt N-Benzoyl Adenosine-3'-OCEPA (Amidite)	1.52	4.016	5.536	Kg/M
85	cEt N-isobutryl Guanosine (Diol)	0.169	-0.159	0.01	Kg/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
86	5'-ODMT cEt N-isobutryl Guanosine (PNS)	1.52	-1.51	0.01	Kg/M
87	5'-ODMT cEt N-isobutryl Guanosine-3'-OCEPA (Amidite)	1.52	4.016	5.536	Kg/M
88	cEt N-dmf Guanosine (Diol)	0.169	-0.159	0.01	Kg/M
89	5'-ODMT cEt N-dmf Guanosine (PNS)	1.52	-1.51	0.01	Kg/M
90	5'-ODMT cEt N-dmf Guanosine-3'-OCEPA (Amidite)	1.52	4.016	5.536	Kg/M
91	cEt N-Benzoyl Cytidine (Diol)	0.169	-0.159	0.01	Kg/M
92	5'-ODMT cEt N-Benzoyl Cytidine (PNS)	1.52	-1.51	0.01	Kg/M
93	5'-ODMT cEt N-Benzoyl Cytidine-3'-OCEPA (Amidite)	1.52	4.016	5.536	Kg/M
94	cEt N-Benzoyl 5-Methyl Cytidine (Diol)	0.169	-0.159	0.01	Kg/M
95	5'-ODMT cEt N-Benzoyl 5-Methyl Cytidine (PNS)	1.52	-1.51	0.01	Kg/M
96	5'-ODMT cEt N-Benzoyl 5-Methyl Cytidine-3'-OCEPA (Amidite)	1.52	4.016	5.536	Kg/M
97	cEt N-Acetyl Cytidine (Diol)	0.169	-0.159	0.01	Kg/M
98	5'-ODMT cEt N-Acetyl Cytidine (PNS)	1.52	-1.51	0.01	Kg/M
99	5'-ODMT cEt N-Acetyl Cytidine-3'-OCEPA (Amidite)	1.52	4.016	5.536	Kg/M
100	cEt N-Acetyl 5-Methyl Cytidine (Diol)	0.169	-0.159	0.01	Kg/M
101	5'-ODMT cEt N-Acetyl 5-Methyl Cytidine (PNS)	1.52	-1.51	0.01	Kg/M
102	5'-ODMT cEt N-Acetyl-5-Methyl Cytidine-3'-OCEPA (Amidite)	1.52	4.016	5.536	Kg/M
103	cEt Uridine (Diol)	0.169	-0.159	0.01	Kg/M
104	5'-ODMT cEt Uridine (PNS)	1.52	-1.51	0.01	Kg/M
105	5'-ODMT cEt Uridine-3'-OCEPA (Amidite)	1.52	4.016	5.536	Kg/M
106	cEt Thymidine (Diol)	0.169	-0.159	0.01	Kg/M
107	5'-ODMT cEt Thymidine (PNS)	1.52	-1.51	0.01	Kg/M
108	5'-ODMT cEt Thymidine-3'-OCEPA (Amidite)	1.52	4.016	5.536	Kg/M
109	NAP SUGAR	100	-25	75	Kg/M
110	Aldol Sugar	12.5	12.5	25	Kg/M
111	ENA -PROTECTED NUCLEOSIDE & PHOSPHORAMIDITE	0.106	0	0.106	Kg/M
112	ENA N-Bz Adenosine (Diol)	0.013	0	0.013	Kg/M
113	5'-ODMT ENA N-Bz Adenosine (PNS)	0.106	0	0.106	Kg/M
114	5'-ODMT ENA N-Bz Adenosine-3'-OCEPA (Amidite)	0.106	0	0.106	Kg/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
115	ENA N-iBu Guanosine (Diol)	0.013	0	0.013	Kg/M
116	5'-ODMT ENA N-iBu Guanosine (PNS)	0.106	0	0.106	Kg/M
117	5'-ODMT ENA N-iBu Guanosine-3'-OCEPA (Amidite)	0.106	0	0.106	Kg/M
118	ENA N-Bz Cytidine (Diol)	0.013	0	0.013	Kg/M
119	5'-ODMT ENA N-Bz Cytidine (PNS)	0.106	0	0.106	Kg/M
120	5'-ODMT ENA N-Bz Cytidine-3'-OCEPA (Amidite)	0.106	0	0.106	Kg/M
121	ENA Thymidine (Diol)	0.013	0	0.013	Kg/M
122	5'-ODMT ENA Thymidine (PNS)	0.106	0	0.106	Kg/M
123	5'-ODMT ENA Thymidine-3'-OCEPA (Amidite)	0.106	0	0.106	Kg/M
124	E-TETRACETATE	50	0	50	Kg/M
125	TAC PROTECTED NECLEOSIDE & PHOSPHORAMIDITE	2.5	0	2.5	Kg/M
126	N-Tac deoxy Cytidine (Diol)	0.278	0	0.278	Kg/M
127	5'-ODMT N-Tac deoxy Cytidine (PNS)	2.5	0	2.5	Kg/M
128	5'-ODMT N-Tac deoxy Cytidine 3'-CEPA (Amidite)	2.5	0	2.5	Kg/M
129	N-Tac deoxy Adenosine (Diol)	0.278	0	0.278	Kg/M
130	5'-ODMT N-Tac deoxy Adenosine (PNS)	2.5	0	2.5	Kg/M
131	5'-ODMT N-Tac deoxy Adenosine 3'-CEPA (Amidite)	2.5	0	2.5	Kg/M
132	N-Tac deoxy Guanosine (Diol)	0.278	0	0.278	Kg/M
133	5'-ODMT N-Tac deoxy Guanosine (PNS)	2.5	0	2.5	Kg/M
134	5'-ODMT N-Tac deoxy Guanosine 3'-CEPA (Amidite)	2.5	0	2.5	Kg/M
135	2'-OTBDMS N-Tac Cytidine (Diol)	0.278	0	0.278	Kg/M
136	5'-ODMT 2'-OTBDMS N-Tac Cytidine (PNS)	2.5	0	2.5	Kg/M
137	5'-ODMT 2'-OTBDMS N-Tac Cytidine 3'-CEPA (Amidite)	2.5	0	2.5	Kg/M
138	2'-OTBDMS N-Tac Adenosine (Diol)	0.278	0	0.278	Kg/M
139	5'-ODMT 2'-OTBDMS N-Tac Adenosine (PNS)	2.5	0	2.5	Kg/M
140	5'-ODMT 2'-OTBDMS N-Tac Adenosine 3'-CEPA (Amidite)	2.5	0	2.5	Kg/M
141	2'-OTBDMS N-Tac Guanosine (Diol)	0.278	0	0.278	Kg/M
142	5'-ODMT 2'-OTBDMS N-Tac Guanosine (PNS)	2.5	0	2.5	Kg/M
143	5'-ODMT 2'-OTBDMS N-Tac Guanosine 3'-CEPA (Amidite)	2.5	0	2.5	Kg/M
144	2'-OMe N-Tac Cytidine (Diol)	0.278	0	0.278	Kg/M
145	5'-ODMT 2'-OMe N-Tac Cytidine (PNS)	2.5	0	2.5	Kg/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
146	5'-ODMT 2'-OMe N-Tac Cytidine 3'-CEPA (Amidite)	2.5	0	2.5	Kg/M
147	2'-OMe N-Tac Adenosine (Diol)	0.278	0	0.278	Kg/M
148	5'-ODMT 2'-OMe N-Tac Adenosine (PNS)	2.5	0	2.5	Kg/M
149	5'-ODMT 2'-OMe N-Tac Adenosine 3'-CEPA (Amidite)	2.5	0	2.5	Kg/M
150	2'-OMe N-Tac Guanosine (Diol)	0.278	0	0.278	Kg/M
151	5'-ODMT 2'-OMe N-Tac Guanosine (PNS)	2.5	0	2.5	Kg/M
152	5'-ODMT 2'-OMe N-Tac Guanosine 3'-CEPA (Amidite)	2.5	0	2.5	Kg/M
153	5'-DMT-2'-MOE PROTECTED NUCLEOSIDE & PHOSPHORAMIDITE	300	-150	150	Kg/M
154	2'-MOE N-Benzoyl Adenosine (Diol)	1.25	0.75	2	Kg/M
155	5'-ODMT-2'-MOE N-Benzoyl Adenosine (PNS)	10.55	89.45	100	Kg/M
156	5'-ODMT-2'-MOE N-Benzoyl Adenosine-3'-OCEPA (Amidite)	10.55	4.45	15	Kg/M
157	2'-MOE N-Isobutryl Guanosine (Diol)	1.25	-0.25	1	Kg/M
158	5'-ODMT-2'-MOE N-Isobutryl Guanosine (PNS)	10.55	39.45	50	Kg/M
159	5'-ODMT-2'-MOE N-Isobutryl Guanosine-3'-OCEPA (Amidite)	10.56	-3.56	7	Kg/M
160	2'-MOE N-dmf Guanosine (Diol)	1.25	-0.25	1	Kg/M
161	5'-ODMT-2'-MOE N-dmf Guanosine (PNS)	10.56	39.44	50	Kg/M
162	5'-ODMT-2'-MOE N-dmf Guanosine-3'-OCEPA (Amidite)	10.56	-3.56	7	Kg/M
163	2'-MOE Uridine (Diol)	1.25	-0.25	1	Kg/M
164	5'-ODMT-2'-MOE Uridine (PNS)	10.56	39.44	50	Kg/M
165	5'-ODMT-2'-MOE Uridine-3'-OCEPA (Amidite)	10.56	-3.56	7	Kg/M
166	5'-DMT-2'-O-METHYL PROTECTED NUCLEOSIDE & PHOSPHORAMIDITIES	100	-50	50	Kg/M
167	2'-OMe N-Benzoyl Adenosine (Diol)	0.139	0.061	0.2	Kg/M
168	5'-ODMT-2'-OMe N-Benzoyl Adenosine (PNS)	3.167	71.833	75	Kg/M
169	5'-ODMT-2'-OMe N-Benzoyl Adenosine-3'-OCEPA (Amidite)	3.167	21.833	25	Kg/M
170	2'-OMe N-isobutryl Guanosine (Diol)	0.139	0.061	0.2	Kg/M
171	5'-ODMT-2'-OMe N-isobutryl Guanosine (PNS)	3.167	71.833	75	Kg/M
172	5'-ODMT-2'-OMe N-isobutryl Guanosine-3'-OCEPA (Amidite)	3.167	21.833	25	Kg/M
173	2'-OMe N-dmf Guanosine (Diol)	0.139	0.061	0.2	Kg/M
174	5'-ODMT-2'-OMe N-dmf Guanosine (PNS)	3.167	-2.167	1	Kg/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
175	5'-ODMT-2'-OMe N-dmf Guanosine-3'-OCEPA (Amidite)	3.167	-2.167	1	Kg/M
176	2'-OMe N-Benzoyl Cytidine (Diol)	0.139	0.061	0.2	Kg/M
177	5'-ODMT-2'-OMe N-Benzoyl Cytidine (PNS)	3.167	-2.167	1	Kg/M
178	5'-ODMT-2'-OMe N-Benzoyl Cytidine-3'-OCEPA (Amidite)	3.167	-2.167	1	Kg/M
179	2'-OMe N-Acetyl Cytidine (Diol)	0.139	0.061	0.2	Kg/M
180	5'-ODMT-2'-OMe N-Acetyl Cytidine (PNS)	3.167	71.833	75	Kg/M
181	5'-ODMT-2'-OMe N-Acetyl Cytidine-3'-OCEPA (Amidite)	3.167	21.833	25	Kg/M
182	5'-ODMT-2'-OMe Thymidine (PNS)	3.167	-2.167	1	Kg/M
183	5'-ODMT-2'-OMe Thymidine-3'-OCEPA (Amidite)	3.167	-2.167	1	Kg/M
184	5'-ODMT-2'-OMe Uridine (PNS)	3.167	71.833	75	Kg/M
185	5'-ODMT-2'-OMe Uridine-3'-OCEPA (Amidite)	3.167	21.833	25	Kg/M
186	2'-OMe-2,6-Diaminopurine Riboside or 2'-OMe DAPR	0.139	0.061	0.2	Kg/M
187	3'-ODMT-2'-OMe N-Benzoyl Adenosine (Reverse PNS)	0.139	-0.039	0.1	Kg/M
188	3'-ODMT-2'-OMe N-Benzoyl Adenosine-5'-OCEPA (Reverse Amidite)	0.139	-0.039	0.1	Kg/M
189	3'-ODMT-2'-OMe N-isobutryl Guanosine (Reverse PNS)	0.139	-0.039	0.1	Kg/M
190	3'-ODMT-2'-OMe N-isobutryl Guanosine-5'-OCEPA (Reverse Amidite)	0.139	-0.039	0.1	Kg/M
191	3'-ODMT-2'-OMe N-Benzoyl Cytidine (Reverse PNS)	0.139	-0.039	0.1	Kg/M
192	3'-ODMT-2'-OMe N-Benzoyl Cytidine-5'-OCEPA (Reverse Amidite)	0.139	-0.039	0.1	Kg/M
193	3'-ODMT-2'-OMe N-Acetyl Cytidine (Reverse PNS)	0.139	-0.039	0.1	Kg/M
194	3'-ODMT-2'-OMe N-Acetyl Cytidine-5'-OCEPA (Reverse Amidite)	0.139	-0.039	0.1	Kg/M
195	3'-ODMT-2'-OMe Thymidine (Reverse PNS)	0.139	-0.039	0.1	Kg/M
196	3'-ODMT-2'-OMe Thymidine-5'-OCEPA (Reverse Amidite)	0.139	-0.039	0.1	Kg/M
197	3'-ODMT-2'-OMe Uridine (Reverse PNS)	0.139	-0.039	0.1	Kg/M
198	3'-ODMT-2'-OMe Uridine-5'-OCEPA (Reverse Amidite)	0.139	-0.039	0.1	Kg/M
199	ALLOFURANOSE SUGAR	10	0	10	Kg/M
200	TINUVIN -400	63500	-62792.1	707.9	Kg/M
201	P-Anisyl Propanal	500	0	500	Kg/M
202	ANETHOL	25000	-10000	15000	Kg/M



Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
203	5'-ODMT-DEOXYNUCLEOSIDES, PHOSPHORAMIDITES AND SUCCINATE SALTS	10	0.15	10.15	Kg/M
204	N-Benzoyl deoxy Adenosine (Diol)	0.27	-0.22	0.05	Kg/M
205	5'-ODMT N-Benzoyl deoxy Adenosine (PNS)	10	0	10	Kg/M
206	5'-ODMT N-Benzoyl deoxy Adenosine-3'-OCEPA (Amidite)	10	0	10	Kg/M
207	5'-ODMT N-Benzoyl deoxy Adenosine-3'-O-Succinate TEA Salt	0.27	-0.22	0.05	Kg/M
208	N-isobutryl deoxy Guanosine (Diol)	0.27	-0.22	0.05	Kg/M
209	5'-ODMT N-isobutryl deoxy Guanosine (PNS)	10	0	10	Kg/M
210	5'-ODMT N-isobutryl deoxy Guanosine-3'-OCEPA (Amidite)	10	0	10	Kg/M
211	5'-ODMT N-isobutryl deoxy Guanosine-3'-O-Succinate TEA Salt	0.27	-0.22	0.05	Kg/M
212	N-dmf deoxy Guanosine (Diol)	0.27	-0.22	0.05	Kg/M
213	5'-ODMT N-dmf deoxy Guanosine (PNS)	10	-7	3	Kg/M
214	5'-ODMT N-dmf deoxy Guanosine-3'-OCEPA (Amidite)	10	-7	3	Kg/M
215	5'-ODMT N-dmf deoxy Guanosine-3'-O-Succinate TEA Salt	0.27	-0.22	0.05	Kg/M
216	N-Benzoyl deoxy Cytidine (Diol)	0.27	-0.22	0.05	Kg/M
217	5'-ODMT N-Benzoyl deoxy Cytidine (PNS)	10	0	10	Kg/M
218	5'-ODMT N-Benzoyl deoxy Cytidine-3'-OCEPA (Amidite)	10	0	10	Kg/M
219	5'-ODMT N-Benzoyl deoxy Cytidine-3'-O-Succinate TEA Salt	0.27	-0.22	0.05	Kg/M
220	N-Acetyl deoxy Cytidine (Diol)	0.27	-0.22	0.05	Kg/M
221	5'-ODMT N-Acetyl deoxy Cytidine (PNS)	10	0	10	Kg/M
222	5'-ODMT N-Acetyl deoxy Cytidine-3'-OCEPA (Amidite)	10	0	10	Kg/M
223	N-Benzoyl 5-Methyl deoxy Cytidine (Diol)	0.27	-0.22	0.05	Kg/M
224	5'-ODMTN-Benzoyl 5-Methyl deoxy Cytidine (PNS)	10	-7	3	Kg/M
225	5'-ODMT N-Benzoyl 5-Methyl deoxy Cytidine-3'-OCEPA (Amidite)	10	-7	3	Kg/M
226	5'-ODMT N-Benzoyl 5-Methyl deoxy Cytidine-3'-O-Succinate TEA Salt	0.27	-0.22	0.05	Kg/M
227	N-Acetyl 5-Methyl deoxy Cytidine (Diol)	0.27	-0.22	0.05	Kg/M
228	5'-ODMT N-Acetyl 5-Methyl deoxy Cytidine (PNS)	10	-7	3	Kg/M
229	5'-ODMT N-Acetyl-5-Methyl deoxy Cytidine-3'-OCEPA (Amidite)	10	-7	3	Kg/M
230	5'-ODMT N-Acetyl-5-Methyl deoxy Cytidine-3'-O-Succinate TEA Salt	0.27	-0.22	0.05	Kg/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
231	5'-ODMT deoxy Uridine (PNS)	10	0	10	Kg/M
232	5'-ODMT deoxy Uridine-3'-OCEPA (Amidite)	10	0	10	Kg/M
233	5'-ODMT deoxy Uridine-3'-O-Succinate TEA Salt	0.27	-0.22	0.05	Kg/M
234	5'-ODMT deoxy Thymidine (PNS)	10	0	10	Kg/M
235	5'-ODMT deoxy Thymidine-3'-OCEPA (Amidite)	10	0	10	Kg/M
236	5'-ODMT deoxy Thymidine-3'-O-Succinate TEA Salt	0.27	-0.22	0.05	Kg/M
237	deoxy Cytidine Monophosphate	0.27	-0.22	0.05	Kg/M
238	3'-ODMT N-Benzoyl deoxy Adenosine (Reverse PNS)	0.27	-0.22	0.05	Kg/M
239	3'-ODMT N-Benzoyl deoxy Adenosine-5'-OCEPA (Reverse Amidite)	0.27	-0.22	0.05	Kg/M
240	3'-ODMT N-isobutryl deoxy Guanosine (Reverse PNS)	0.27	-0.22	0.05	Kg/M
241	3'-ODMT N-isobutryl deoxy Guanosine-5'-OCEPA (Reverse Amidite)	0.27	-0.22	0.05	Kg/M
242	3'-ODMT N-Benzoyl deoxy Cytidine (Reverse PNS)	0.27	-0.22	0.05	Kg/M
243	3'-ODMT N-Benzoyl deoxy Cytidine-5'-OCEPA (Reverse Amidite)	0.27	-0.22	0.05	Kg/M
244	3'-ODMTN-Benzoyl 5-Methyl deoxy Cytidine (Reverse PNS)	0.27	-0.22	0.05	Kg/M
245	3'-ODMT N-Benzoyl 5-Methyl deoxy Cytidine-5'-OCEPA (Reverse Amidite)	0.27	-0.22	0.05	Kg/M
246	3'-ODMT N-Acetyl 5-Methyl deoxy Cytidine (Reverse PNS)	0.27	-0.22	0.05	Kg/M
247	3'-ODMT N-Acetyl-5-Methyl deoxy Cytidine-5'-OCEPA (Reverse Amidite)	0.27	-0.22	0.05	Kg/M
248	3'-ODMT deoxy Uridine (Reverse PNS)	0.27	-0.22	0.05	Kg/M
249	3'-ODMT deoxy Uridine-5'-OCEPA (Reverse Amidite)	0.27	-0.22	0.05	Kg/M
250	3'-ODMT deoxy Thymidine (Reverse PNS)	0.27	-0.22	0.05	Kg/M
251	3'-ODMT deoxy Thymidine-5'-OCEPA (Reverse Amidite)	0.27	-0.22	0.05	Kg/M
252	5'-ODMT N-Acetyl deoxy Cytidine (PNS) (Pharma Grade)	0.27	-0.22	0.05	Kg/M
253	5'-ODMT N-isobutryl deoxy Guanosine (PNS) (Pharma Grade)	0.27	-0.22	0.05	Kg/M
254	5'-ODMT deoxy Thymidine (PNS) (Pharma Grade)	0.27	-0.22	0.05	Kg/M
255	3'-O-Phthalimido-thymidine (dT)	0.27	-0.22	0.05	Kg/M



Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
256	3'-O-Phthalimido-2'-Deoxy Cytidine	0.27	-0.22	0.05	Kg/M
257	3'-O-Phthalimido-2'-Deoxy Adenosine	0.27	-0.22	0.05	Kg/M
258	3'-O-Phthalimido-2'-Deoxy Guanosine	0.27	-0.22	0.05	Kg/M
259	DMT-LNA-NUCLEOSIDES & PHOSPHORAMIDITES	7.308	0	7.308	Kg/M
260	LNA N-Benzoyl Adenosine (Diol)	0.25	0	0.25	Kg/M
261	5'-ODMT LNA N-Benzoyl Adenosine (PNS)	7.308	0	7.308	Kg/M
262	5'-ODMT LNA N-Benzoyl Adenosine-3'-O-CEPA (Amidite)	7.308	0	7.308	Kg/M
263	5'-ODMT LNA N-Benzoyl Adenosine-3'-O-Succinate TEA salt	0.25	0	0.25	Kg/M
264	LNA N-DMF Guanosine (Diol)	0.25	0	0.25	Kg/M
265	5'-ODMT LNA N-DMF Guanosine (PNS)	7.308	0	7.308	Kg/M
266	5'-ODMT LNA N-DMF Guanosine-3'-O-CEPA (Amidite)	7.308	0	7.308	Kg/M
267	5'-ODMT LNA N-DMF Guanosine-3'-O-Succinate TEA salt	0.25	0	0.25	Kg/M
268	LNA N-Benzoyl 5-Methyl Cytidine (Diol)	0.25	0	0.25	Kg/M
269	5'-ODMT LNA N-Benzoyl 5-Methyl Cytidine (PNS)	7.308	0	7.308	Kg/M
270	5'-ODMT LNA N-Benzoyl 5-Methyl Cytidine-3'-O-CEPA (Amidite)	7.308	0	7.308	Kg/M
271	5'-ODMT LNA N-Benzoyl 5-Methyl Cytidine-3'-O-Succinate TEA salt	0.25	0	0.25	Kg/M
272	LNA Thymidine (Diol)	0.25	0	0.25	Kg/M
273	5'-ODMT LNA Thymidine (PNS)	7.308	0	7.308	Kg/M
274	5'-ODMT LNA Thymidine-3'-O-CEPA (Amidite)	7.308	0	7.308	Kg/M
275	5'-ODMT LNA Thymidine-3'-O-Succinate TEA salt	0.25	0	0.25	Kg/M
276	LNA Uridine (Diol)	0.25	0	0.25	Kg/M
277	5'-ODMT LNA Uridine (PNS)	7.308	0	7.308	Kg/M
278	5'-ODMT LNA Uridine-3'-O-CEPA (Amidite)	7.308	0	7.308	Kg/M
279	5'-ODMT LNA Uridine-3'-O-Succinate TEA salt	0.25	0	0.25	Kg/M
280	LNA N-Benzoyl Cytidine (Diol)	0.25	0	0.25	Kg/M
281	5'-ODMT LNA N-Benzoyl Cytidine (PNS)	7.308	0	7.308	Kg/M
282	5'-ODMT LNA N-Benzoyl Cytidine-3'-O-CEPA (Amidite)	7.308	0	7.308	Kg/M
283	5'-ODMT LNA N-Benzoyl Cytidine-3'-O-Succinate TEA salt	0.25	0	0.25	Kg/M
284	3'-ODMT LNA N-Benzoyl Adenosine (Reverse PNS)	0.25	0	0.25	Kg/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
285	3'-ODMT LNA N-Benzoyl Adenosine-5'-O-CEPA (Reverse Amidite)	0.25	0	0.25	Kg/M
286	3'-ODMT LNA N-DMF Guanosine (Reverse PNS)	0.25	0	0.25	Kg/M
287	3'-ODMT LNA N-DMF Guanosine-5'-O-CEPA (Reverse Amidite)	0.25	0	0.25	Kg/M
288	3'-ODMT LNA N-Benzoyl 5-Methyl Cytidine (Reverse PNS)	0.25	0	0.25	Kg/M
289	3'-ODMT LNA N-Benzoyl 5-Methyl Cytidine-5'-O-CEPA (Reverse Amidite)	0.25	0	0.25	Kg/M
290	3'-ODMT LNA Thymidine (Reverse PNS)	0.25	0	0.25	Kg/M
291	3'-ODMT LNA Thymidine-5'-O-CEPA (Reverse Amidite)	0.25	0	0.25	Kg/M
292	GALNAC ACYCLIC SUCCINATE	0.467	0.033	0.5	Kg/M
293	TriGalNAc CBz	0.467	0.033	0.5	Kg/M
294	GalNAc Hydroxy Proline Succinate	0.467	0.033	0.5	Kg/M
295	THA(PA-DAP)3-CBz	0.467	0.033	0.5	Kg/M
296	(GalNAc-2'-O-PA-DAP)3 THA. TFA Salt)	0.467	0.033	0.5	Kg/M
297	5-ODMT-3-OTBS-N-Oxododecanoic Acid.TEA Salt	0.467	0.033	0.5	Kg/M
298	NOOTKATONE	466.7	33.3	500	Kg/M
299	4-AMINO BENZONITRILE	166	34	200	Kg/M
300	Diethyl L-(+) tartrate	46	4	50	Kg/M
301	DL -LACTIDE	8.3	1.7	10	Kg/M
302	DIETHYLAMINO MALONATE HCl	250	-150	100	Kg/M
303	ACRYLAMIDE PURIFIED	800	9200	10000	Kg/M
304	ETHYLENEDIAMINETETRAACETIC ACID METAL CHELATE SALTS	0.5	0	0.5	Kg/M
305	SODIUM SELENITE PENTAHYDRATE	0.5	0	0.5	Kg/M
306	2,4Dihydroxy Benzophenone	1	0	1	Kg/M
307	Peonile	1	0	1	Kg/M
308	R&D Products (Intermediate chemicals)	400	5852	6252	Kg/M
309	TC U Amidite	63.34	-53.34	10	Kg/M
310	2-Isopentyl-2-Isopropyl-1,3-Dimethoxy propane (R5)	63.34	936.66	1000	Kg/M
311	4-Butyl Resorcinol	63.34	86.66	150	Kg/M
312	3G Metallocene	63.34	936.66	1000	Kg/M
313	4-Hydroxy Cinnamic acid	3.33	0	3.33	Kg/M
314	6-Amino Hexanol	63.34	-13.34	50	Kg/M
315	1,2-Bis(3-indenyl)ethane (EBI)	3.33	0	3.33	Kg/M
316	3-Methyl cyclopent-2-en-1-one (3MCO)	3.33	0	3.33	Kg/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
317	4-Methoxy Trityl Chloride	3.33	0.04	3.37	Kg/M
318	2-Cyanoethyl-N,N,N',N'-tetraisopropylphosphorodiamidite (Phos Reagent)	3.33	1946.67	1950	Kg/M
319	Sec Butyl Cyclopentadiene Lithium	3.33	0	3.33	Kg/M
320	4,5-Dichloro phthalic acid	0.3	0	0.3	Kg/M
321	4-Tert-butylphenoxyAceticAcid	850	-350	500	Kg/M
322	6-Bromo-Iso-indolin-1-one	8.3	1.7	10	Kg/M
323	Trans aconiticAcid	8.3	1.7	10	Kg/M
324	2,2 BIS [-(2INDENYL)BIPHENYL]ZICRONIUM(IV) CHLORIDE ON SILICA SUPPORT	2400	7600	10000	Kg/M
325	N,N-Dimethylbenzamide (DMBA)	1000	-800	200	Kg/M
326	4-(methylamino)pentan-2-ol dibenzoate (AB)	1000	200	1200	Kg/M
327	9,9-bis(methoxymethyl)fluorene (FLU)	1000	-500	500	Kg/M
328	2-AminoBenzonitrile	380	20	400	Kg/M
329	GAFL-158	250	0	250	Kg/M
330	3,5-Bis(2-Cyanoprop-2-yl)benzyl bromide Anastrozole intermediate	0.3	0.2	0.5	Kg/M
331	3,5-Bis(2-Cyanoprop-2-yl)Toluene Anastrozole intermediate	0.3	0.2	0.5	Kg/M
332	2,2'-Azobis(2-methylpropionamidine)dihydrochloride	5	0	5	Kg/M
333	CMPT	40	0	40	Kg/M
334	CMIMT	10	0	10	Kg/M
335	MTSCNE	10	0	10	Kg/M
336	ONT-7-D & ONT-7-L	10	0	10	Kg/M
337	UNA Phosphoramidites & Derivatives	0.385	0.115	0.5	Kg/M
338	UNA-U-Amidite	0.385	0.115	0.5	Kg/M
339	5'ODMT-2',3' Seco- 2'OBz-Uridine	0.385	0.115	0.5	Kg/M
340	UNA-C-Amidite	0.385	0.115	0.5	Kg/M
341	5'ODMT-N-Ac -2',3' Seco -2'OBz -Cytidine	0.385	0.115	0.5	Kg/M
342	UNA-ABz-Amidite	0.385	0.115	0.5	Kg/M
343	5'ODMT- N-Bz -2',3' Seco-2'OBz- -Adenosine	0.385	0.115	0.5	Kg/M
344	UNA-Gibu Amidite	0.385	0.115	0.5	Kg/M
345	5'ODMT- N-iBu -2',3' Seco-2'OBz- Guanosine	0.385	0.115	0.5	Kg/M
346	UNA Seco cytidine	0.385	0.115	0.5	Kg/M
347	UNA Seco Adenosine	0.385	0.115	0.5	Kg/M
348	UNA Seco Guanosine	0.385	0.115	0.5	Kg/M
349	UNA-U-Monophosphate	0.385	0.115	0.5	Kg/M
350	Morpholino Phosphoramidites & Derivatives	1	0	1	Kg/M
351	Morpholino - A Subunit OR (N-trityl morpholino-N-Bz Adenine dimethylamido phosphoramidic chloride)	1	0	1	Kg/M
352	Morpholino - G Subunit OR (N-trityl morpholino-N-iBu Guanine dimethylamido phosphoramidic chloride)	1	0	1	Kg/M
353	Morpholino - U Subunit OR (N-trityl morpholino-Uracil dimethylamido phosphoramidic chloride)	1	0	1	Kg/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
354	Morpholino – C Subunit OR (N-trityl morpholino-N-Bz Cytosine dimethylamido phosphoramidic chloride)	1	0	1	Kg/M
355	Chiral Phosphoramidites & Derivatives	1	0	1	Kg/M
356	5'-ODMT-2' OMe NiBu-Guanosine O6 CE	5	0	5	Kg/M
357	Bis TAc dG	10	0	10	Kg/M
358	5'-ODMT-NiBu-deoxycytidine	5	0	5	Kg/M
359	5'-Biotin Phosphoramidite	0.2	0	0.2	Kg/M
360	5-Iodo dC	0.8	0.2	1	Kg/M
361	2'-Fluoro-GiBu-3'-CEPA OR (5'-ODMT-2'-Fluoro-GiBu-3'-CEPA (Amidite))	0.42	24.58	25	Kg/M
362	5'-ODMT-2'-Fluoro-GiBu (PNS)	0.42	99.58	100	Kg/M
363	5'-ODMT-N6-Bz-2'-Fluoro Adenosine-3'-OCEPA (Amidite)	0.42	24.58	25	Kg/M
364	5'-ODMT-N6-Bz-2'-Fluoro Adenosine (PNS)	0.4	99.6	100	Kg/M
365	5'ODMT-NiBu-dG (O6 CE)	5	0	5	Kg/M
366	Ethyl -2,2 -difuropropionate	41.6	0	41.6	Kg/M
367	Jalshakti	1	0	1	Kg/M
368	(1-Hydroxy-3-methylbutylidene)-5,5-dimethyl-1,3-cyclohexanedione (ivDde-OH)	70	0	70	Kg/M
369	Propargyl methacrylate	1	9999	10000	Kg/M
370	NPNPN / CRD6 ligand	4	7996	8000	Kg/M
371	2-Isopropyl-1H-Indene	1	9	10	Kg/M
372	Diboronic Acid	1	0	1	Kg/M
373	Uracil	41	0	41	Kg/M
374	Phosphorous Oxychloride (Rec)	1	0	1	Kg/M
375	(R)-1-[(4-Chlorophenyl)phenylmethyl]pipe	1	0	1	Kg/M
376	Lutencryl 250	2700	7300	10000	Kg/M
377	5-Methyl-1,3-Benzenediacetonitrile	1	0	1	Kg/M
378	N-PAC deoxy Adenosine (PAC dA)	11	14	25	Kg/M
379	Phenyl-(2-pyridyl) acetamide (PPA)	793.333	6.667	800	Kg/M
380	4-Chloro-4'-hydroxybenzophenone or CHBP or 4-CHBP	7208.6	-6708.6	500	Kg/M
381	Dimethyl-2,2-Diisobutylmalonate	1	0	1	Kg/M
382	GalNAc-2-O-pentanoic Acid OR GalNAc Acetoxy Pentanoic acid	5.5	19.5	25	Kg/M
383	GalNAc Benzyloxy Pentanoic acid	5.5	19.5	25	Kg/M
384	Santalol Crude	1667	333	2000	Kg/M
385	Non-hazardous synthetic compounds for research analysis and data OR (Bis Benzyl Ribo Sugar)	30	0	30	Kg/M
386	L-RA AMIDITE OR 2'-TBDMS 5'-DMT protected L-rA(Bn) amidite	2	8	10	Kg/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
387	Para chloro Meta Xylenol (PCMX)	150	0	150	Kg/M
388	4-(2-Chloroethyl) Morpholine Hydrochloride (CEM HCl)	1700	0	1700	Kg/M
389	Biocide 950	760	0	760	Kg/M
390	2-Methyl-4-isothiazolin-3-one (MIT)	40	0	40	Kg/M
391	Biocide 300	760	0	760	Kg/M
392	5-Chloro-2-Methyl-4-isothiazolin-3-one : 2-Methyl-4-isothiazolin-3-one (CMIT/MIT) (3:1)	40	0	40	Kg/M
393	1-[2-Amino-1-(4-methoxy-phenyl)-ethyl]-cyclohexanol (Venlafaxine Step 2 Free Base)	200	0	200	Kg/M
394	[RS]-1-[2-Dimethylamino-1-(4-methoxyphenyl)-ethyl]cyclohexanol (Venlafaxine Base)	1000	-500	500	Kg/M
395	1-[2-Amino-1-(4-methoxy-phenyl)-ethyl]-cyclohexanol-hcl (Venlafaxine Stage 2 HCl)	100	0	100	Kg/M
396	N-Ethyl Caprolactam	200	0	200	Kg/M
397	Methyl-alpha-D-mannopyranoside (MMP)	0	3500	3500	Kg/M
398	4-Chloro-6-ethyl-5-fluoropyrimidine	0	100	100	Kg/M
399	2-Amino-5,7-Dimethoxy-1,2,4-triazolo [1,5-a] Pyrimidine (ADTP)	0	0.0001	0.0001	Kg/M
400	5-Fluoro-4-Hydrazino-2-Methoxy Pyrimidine (FHMP)	0	0.0001	0.0001	Kg/M
401	Trans-2-Fluoro-3-(trifluoromethyl)oxirane (TFTO)	0	25	25	Kg/M
402	Cis-2-Fluoro-3-(trifluoromethyl)oxirane(CFTO)	0	25	25	Kg/M
403	Cis-2,3-bis(trifluoromethyl)oxirane (CBTO)	0	25	25	Kg/M
404	Trans-2,3-bis(trifluoromethyl)oxirane (TBTO)	0	25	25	Kg/M
405	3,3,3-trifluoro-1-(2,2,2-trifluoroethoxy)-1-Propene	0	1000	1000	Kg/M
406	Tris(2-carboxyethyl)phosphine hydrochloride (TCEP.HCl)	0	600	600	Kg/M
407	2,4-Dimethyl-6-(1-Methylpentadecyl)Phenol	0	500	500	Kg/M
408	Abasic Amidite	0	5	5	Kg/M
409	L-RNA N-Ac C amidite	0	10	10	Kg/M
410	L-RNA N-Ac iBu G amidite	0	10	10	Kg/M
411	L-RNA U amidite	0	10	10	Kg/M
412	L-RNA N-Ac C succinate	0	5	5	Kg/M
413	Santalol Distilled	0	2000	2000	Kg/M
414	Chlorodimethyl(2,3,4,5-tetramethylcyclopenta-2,4-dienyl)silane	0	10000	10000	Kg/M
415	5'-3'-TIPS-N-Bz-rA	0	10	10	Kg/M
416	5'-3'-TIPS-N-iBu-rG	0	10	10	Kg/M
417	2'-Fluoro Uridine	0	5	5	Kg/M
418	2'-OMe Adenosine	0	12.5	12.5	Kg/M
419	2'-OMe Uridine	0	5	5	Kg/M
420	2'-MOE Adenosine	0	12.5	12.5	Kg/M
421	Custom Development & Scaleup	0	11000	11000	Kg/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
422	Trading of Chemical- 2 Chloroethanol	416.67	0	416.67	Kg/M
	Trading of Chemical- Methane Sulfonic Acid 70%	1666.67		1666.67	Kg/M
	Trading of Chemical- Methane Sulfonic Acid 99%	5000		5000	Kg/M
	Trading of Chemical- Acetaldehyd Oxime	833.32		833.32	Kg/M
	Trading of Chemical- Tetra Hydrofuron	1666.67		1666.67	Kg/M
	Trading of Chemical- Acetonitrile	1666.67		1666.67	Kg/M
	Trading of Chemical- Pyridine	1666.67		1666.67	Kg/M
	Trading of Chemical- Boron Trichlorode in MDC (1M Solution)	83.33		83.33	Kg/M
	Trading of Chemical- Phenyl Magnesium Chloride Solution	250		250	Kg/M
	Trading of Chemical- Trimethylsilyl trifluoromethane Sulfonate	833.32		833.32	Kg/M
	Trading of Chemical- Isopropyl Magnesium Chloride Lithium Chloride	250		250	Kg/M
	Trading of Chemical- Triflic Anhydride	833.32		833.32	Kg/M
	Trading of Chemical- 2-Chloro N,N-Diisopropylethylamine hydrochloride	166.67		166.67	Kg/M
	Trading of Chemical- Tris Buffer	166.67		166.67	Kg/M
	Trading of Other Chemicals	26166.67		26166.67	Kg/M
By Products					
423	Aqueous Aluminum Chloride	1113.3	-83.5	1029.8	MT/M

[Overall total Quantity of products & its intermediates shall not exceed 1,90,666.69 Kg/M and total quantity of Trading Chemicals shall not exceed 41,666.7 Kg/M]

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	225.9	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	33.0	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Boilers ( 2 Nos. x 10 TPH - 1 Standby) & Thermopack (2 Lakh Kcal/Hr)	1	As per Schedule -II
2	S-2 to S-5	D G Sets ( 500 KVA, 2 x 1000 KVA & 1010 KVA)	1	As per Schedule -II

<b>Sr No.</b>	<b>Stack No.</b>	<b>Description of stack / source</b>	<b>Number of Stack</b>	<b>Standards to be achieved</b>
3	S-6	Process Vent (MPP Plant)	1	As per Schedule -II
4	S-7	Process Vent (MPP Plant)	1	As per Schedule -II
5	S-8	Process Vent (PP-1 Plant)	1	As per Schedule -II
6	S-9	Process Vent (PP-2 Plant)	1	As per Schedule -II
7	S-10	Process Vent (PP-3/4/5 Plant)	1	As per Schedule -II
8	S-11	Process Vent (PP-3/4/5 Plant)	1	As per Schedule -II
9	S-12	Process Vent (PP-3/4/5 Plant)	1	As per Schedule -II
10	S-13	Process Vent (PP-6 Plant)	1	As per Schedule -II
11	S-14	Process Vent (ETP)	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
1	Ash From Briquette Fired Boiler	9000	Kg/Day	Sale	Sale to Brick Manufacturer
2	Decontaminated Empty Drums	1065	No/D	Sale	Sale to authorized party

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

<b>Sr No</b>	<b>Category No./ Type</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
1	5.1 Used or spent oil	2	MT/A	Recycle*	Sale to authorised party / CHWTSDF
2	20.3 Distillation residues	895.8	MT/A	Incineration	CHWTSDF
3	37.3 Concentration or evaporation residue (MEE Solids)	531.04	MT/A	Landfill after treatment	CHWTSDF
4	35.3 Chemical sludge from waste water treatment	297.51	MT/A	Landfill after treatment	CHWTSDF
5	34.1 Chemical-containing residue arising from decontamination.	2.5	MT/A	Incineration	CHWTSDF
6	28.4 Off specification products	4	MT/A	Incineration	CHWTSDF
7	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	70	MT/A	Recycle*	Sale to authorised party / CHWTSDF



Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
8	28.1- By Product hydrochloric Acid 30%	102.4	MT/M	Recycle*	Sale to authorised party / CHWTSDf
9	28.1- By-product Sulphuric Acid 66%	119.3	MT/M	Recycle*	Sale to authorised party / CHWTSDf
10	28.1 - By-product Mix Solvents	362.5	MT/M	Recycle*	Sale to authorised party / CHWTSDf

**\* Industry shall ensure disposal of Hazardous Waste to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.**

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. The industry shall obtain necessary permission from the Directorate of Industrial Safety and Health (DISH).
11. The applicant shall not carry out any excess production or produce new products without Consent of the Board and without Environmental Clearance wherever it applicable.
12. The applicant shall properly collect, transport & regularly dispose-off the Hazardous Waste to CHWTSDf, in compliance of the Hazardous and other Waste (M & TH) Rule-2016 through online manifest system.
13. Industry shall comply the Boards Circular dtd. 05.02.2020 for use of cleaner fuel.
14. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. No. F. No. J-11011/20/2017-IA-II (I), Date. 12.04.2018 and ensure display/ upload of six-monthly compliance monitoring report on their official website.
15. The industry shall ensure connectivity of continuous online monitoring system to the Board server & data to be transmitted directly from Data Logger to the Board server. The industry shall install separate energy meters to the pollution control systems.
16. This consent is issued with overriding effect on earlier Consent to 1st Operate (part-II) for expansion & amalgamation granted by the Board vide Consent No. Format 1.0/UAN No. MPCB-BY\_PRODUCT-0000000013/CO-2112000001, Dated. 22.12.2021, which is issued with overriding effect on Consent to 1st Operate (part-II) for expansion & amalgamation granted by the Board vide Consent No. Format 1.0/UAN No. 00010447/CO-106000958, Date. 21.06.2021 and Amendment in Consent to Operate granted by the Board vide No. MPCB/UAN No. 0000104447/CAC-Cell/Amend - 210920-FTS-0094, Date. -20.09.2021.
17. This consent is issued pursuant to the Minutes of the 4th Technical Committee meeting under change in product-mix held on 19.02.2022 & 22.02.2022. This Consent is issued based on self-assessment of Pollution Load submitted by you in Board's prescribed format and Certificate of "No Increase in pollution load" issued by Goldfinch Engineering Systems Pvt. Ltd., vide letter dtd. 20.08.2021. If any violation and / or submission of misleading information are noticed, then the consent issued under MoEF & CC Product Mix Circular dtd. 14.12.2006 will stand automatically cancelled and you have to follow the procedure of EIA Notification, 2006 and Amendments thereof for obtaining Environmental Clearance.



18. This consent is issued pursuant to the decision of the 13th Consent Committee Meeting held on 01.08.2022.
19. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)



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Signed by: **Ashok Shingare**  
Member Secretary  
For and on behalf of,  
**Maharashtra Pollution Control Board**  
ms@mpcb.gov.in  
2022-09-11 19:10:10 IST

#### Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	217337.00	MPCB-DR-8208	04/10/2021	NEFT
2	3000.00	TXN2208002323	22/08/2022	Online Payment
3	1500.00	TXN2208002318	22/08/2022	Online Payment

#### Copy to:

1. Regional Officer, MPCB, Raigad and Sub-Regional Officer, MPCB, Raigad I  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



## **SCHEDULE-I**

### **Terms & conditions for compliance of Water Pollution Control:**

1. A] As per your application, you have segregated trade effluent into weak stream & strong stream and provided Effluent Treatment Plant (ETP) comprising of:
    - i) **Strong COD/TDS stream of 42.9 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank) ., Multi effect evaporator (3 stage) with design capacity of 58 CMD followed by ATFD. The MEE condensate is treated in weak stream ETP.
    - ii) **Weak COD/TDS stream of 183 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (Pressure sand filter, Activated carbon filter), Advance treatment (Reverse osmosis, RO Capacity -260 CMD and RO permeate shall be recycled and RO reject shall be send to MEE to achieve Zero Liquid Discharge. ) with design capacity of 740 CMD.
  - B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing with metering system so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.
  - C] The treated effluent shall be recycled /reused 100% in the process/ utilities to achieve Zero Liquid Discharge. In no case, at any time effluent shall find its way to any water body directly or indirectly.
  - D] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.
2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 41 CMD for the treatment of 33.0 CMD of sewage.
  - B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	Suspended Solids	Not to exceed	100
2	BOD 3 days 27°C	Not to exceed	30

- C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way for gardening / outside factory premises.
3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.

4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	306.00
2.	Domestic purpose	37.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	231.10
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	70.0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.



## SCHEDULE-II

### Terms & conditions for compliance of Air Pollution Control:

- As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	Boilers (2 x 10 TPH -1 Standby)	Multi Cyclone Separator, Bag Filters followed by Common Stack	30.00	Briquettes 30 MT/Day	0.04	TPM	150 Mg/Nm <sup>3</sup>
						SO <sub>2</sub>	120 Kg/Day
	Thermopack ( 2 Lakh Kcal./Hr)	Fabric Bag Filter Multi Cyclone Stack		HSD 25 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO <sub>2</sub>	12 Kg/Day
S-2	D G Set (1000 KVA)	Acoustic Enclosure Stack	30.00	HSD 185 Kg/Hr	1	SO <sub>2</sub>	29.6 Kg/Day
S-3	D G Set (1000 KVA)	Acoustic Enclosure Stack	30.00	HSD 185 Kg/Hr	1	SO <sub>2</sub>	29.6 Kg/Day
S-4	D G Set (1010 KVA)	Acoustic Enclosure Stack	30.00	HSD 185 Kg/Hr	1	SO <sub>2</sub>	29.6 Kg/Day
S-5	D G Set (500 KVA)	Acoustic Enclosure Stack	6.30	HSD 95 Kg/Hr	1	SO <sub>2</sub>	15.2 Kg/Day
S-6	Process (MPP)	Scrubber with Caustic Solution	7.00	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
						HCl	30 Mg/Nm <sup>3</sup>
						SO <sub>2</sub> (process)	50 PPM
						HBr	3 Mg/Nm <sup>3</sup>
S-7	Process (MPP)	Scrubber with Caustic Solution	7.00	-	-	HCl	30 Mg/Nm <sup>3</sup>
						SO <sub>2</sub> (process)	50 PPM
						HBr	3 PPM
						Acid Mist	35 Mg/Nm <sup>3</sup>
S-8	Process (PP-1)	Scrubber with Caustic Solution	10.00	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
						HCl	30 Mg/Nm <sup>3</sup>
						SO <sub>2</sub> (process)	50 PPM
						HBr	3 PPM

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-9	Process (PP-2)	Scrubber with Caustic Solution	7.00	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
						HCl	30 Mg/Nm <sup>3</sup>
						SO <sub>2</sub> (process)	50 PPM
						HBr	3 PPM
S-10	Process (PP-3/4/5)	Scrubber with Caustic Solution	13.00	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
						HCl	30 Mg/Nm <sup>3</sup>
						SO <sub>2</sub> (process)	50 PPM
						HBr	3 PPM
S-11	Process (PP-3/4/5)	Scrubber with Caustic Solution	13.00	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
						HCl	30 Mg/Nm <sup>3</sup>
						SO <sub>2</sub> (process)	50 PPM
						HBr	3 PPM
S-12	Process (PP-3/4/5)	Scrubber with Caustic Solution	13.00	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
						HCL	30 Mg/Nm <sup>3</sup>
						SO <sub>2</sub> (process)	50 PPM
						HBr	3 PPM
S-13	Process (PP-6)	Scrubber with Caustic Solution	7.00	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
						HCL	30 Mg/Nm <sup>3</sup>
						SO <sub>2</sub> (process)	50 PPM
						HBr	3 PPM
S-14	Vent of ETP	Scrubber with Caustic Solution	13.00	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>

(D.G Set stack height shall be above roof of building)

- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.

4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. Solvent Management shall be carried out as follows:
  1. Reactors shall be connected to Water / Chilled Water /Brine Condenser system.
  2. Reactors and solvent handling pumps shall have mechanical seals to prevent the leakages.
  3. Reactors and solvent handling pumps shall have mechanical seals to prevent the leakages.
  4. Solvents shall be stored in a separate space specified with all safety measures.
  5. Proper earthing shall be provided in all the equipment's, wherever solvent handling is done.
  6. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
  7. All the solvent storage tanks shall be connected with vent condensers with Water / chilled water / Brine circulation. Reflux condensers shall be provided over reactors.
  8. Fugitive emissions shall be controlled at 99.95% with effective chillers.
  9. Use of automatic filling to minimize spillage, solvent transfer shall be through pump.
  10. Metering and control of quantities of active ingredients to minimize wastes.
  11. Use of close feed system into batch reactors, venting equipment through vapour recovery system.



### **SCHEDULE-III**

#### **Details of Bank Guarantees:**

<b>Sr. No</b>	<b>Consent (C2E/C2O/C2R)</b>	<b>Amt of BG Imposed</b>	<b>Submission Period</b>	<b>Purpose of BG</b>	<b>Compliance Period</b>	<b>Validity Date</b>
1	C2O (Expansion & Amalgamation)	Rs.5.0 Lakh	Existing	Towards Operation and maintenance of Pollution Control System & Compliance of Consent Conditions	31.08.2023	31.12.2023
2	C2O (Expansion & Amalgamation)	Rs.2.0 Lakh	Existing	Twoards not to increase consented production quantity	31.08.2023	31.12.2023

**\*\*Existing BG obtained for above purpose if any, may be extended for period of validity as above.**

#### **BG Forfeiture History**

<b>Srno.</b>	<b>Consent (C2E/C2O/C2R)</b>	<b>Amount of BG imposed</b>	<b>Submission Period</b>	<b>Purpose of BG</b>	<b>Amount of BG Forfeiture</b>	<b>Reason of BG Forfeiture</b>
NA						

#### **BG Return details**

<b>Srno.</b>	<b>Consent (C2E/C2O/C2R)</b>	<b>BG imposed</b>	<b>Purpose of BG</b>	<b>Amount of BG Returned</b>
NA				

## **SCHEDULE-IV**

### **General Conditions:**

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.



12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act 1948
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website ([www.mpcb.gov.in](http://www.mpcb.gov.in)).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

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This certificate is digitally & electronically signed.

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## **Annexure – 1A**

# **The photos of the ZLD scheme**

Photographs of the various units of the ETP viz., primary, secondary, tertiary, MEE and R.O







## **Annexure –2**

# **CHWTSDF membership certificate**



**Sustainability**

**Mumbai Waste Management Limited**  
**CERTIFICATE OF MEMBERSHIP**

M/S. INNOVASSYNTH TECHNOLOGIES (INDIA) LTD.

*is a registered member of  
CHW-TSDF at MIDC - Taloja for  
safe and secure disposal of  
Hazardous waste.*

**Membership No: MWML-HZW - KHP - 320**

***This Certificate is valid up to 31<sup>st</sup> MARCH 2024.***

Onkar Kulkarni  
Manager - BMD

Somnath Malgar  
Director

## **Annexure – 3**

# **ETP outlet reports**





Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

### ANALYSIS REPORT

Page 1 of 1  
HS/LAB/NABL/F/7.8.2.1

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/08225
<b>M/s INNOVASSYNTH TECHNOLOGIES (INDIA) LIMITED</b> Revenue Survey No. 9 - 24, Wasrang 34-36, Chinchwali at Khopoli, Tal.- Khalapur, Dist.-Raigad -410203.	<b>REPORT DATE</b>	18/09/2023
	<b>LAB REFERENCE NO.</b>	HS/LAB/WA/0724
	<b>SAMPLING DATE</b>	11/09/2023
	<b>SAMPLE RECEIPT DATE</b>	11/09/2023
	<b>START DATE OF ANALYSIS</b>	12/09/2023
	<b>END DATE OF ANALYSIS</b>	18/09/2023
	<b>SAMPLING REF. / SOP NO.</b>	HS/NABL/QC/07

<b>DETAILS OF SAMPLE</b>	<b>SAMPLING DONE BY</b>	<b>SAMPLE CONTAINER &amp; QUANTITY</b>	<b>NATURE</b>	<b>LOCATION</b>
Domestic Sewage Sample	Horizon Services	Plastic bottle-1000ml	Treated	STP

### RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	MPCB LIMITS	TEST METHOD REFERENCE
01	pH	--	8.34	Not Specified	APHA 23 <sup>rd</sup> Ed. 2017, 4500-H <sup>+</sup> B
02	Suspended Solids	mg/L	20.00	< 100.0	APHA 23 <sup>rd</sup> .Ed 2017, 2540-D
03	Chemical Oxygen Demand	mg/L	6.40	Not Specified	APHA 23 <sup>rd</sup> .Ed 2017, 5220- C
04	Biochemical Oxygen Demand (27°C for 3 days)	mg/L	2.40	< 30.00	IS 3025 (P-44) RA 2003

For **HORIZON SERVICES**

**MANISHA NARGOLKAR**  
(Lab Incharge)



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

### ANALYSIS REPORT

Page 1 of 1  
HS/LAB/NABL/F/7.8.2.1

<b>CLIENT'S NAME &amp; ADDRESS</b> <b>M/s INNOVASSYNTH TECHNOLOGIES (INDIA) LIMITED</b> Revenue Survey No. 9 - 24, Wasrang 34-36, Chinchwali at Khopoli, Tal.- Khalapur, Dist.-Raigad -410203.	<b>REPORT NO</b>	HS/LAB/WA/08224
	<b>REPORT DATE</b>	18/09/2023
	<b>LAB REFERENCE NO.</b>	HS/LAB/WA/0724
	<b>SAMPLING DATE</b>	11/09/2023
	<b>SAMPLE RECEIPT DATE</b>	11/09/2023
	<b>START DATE OF ANALYSIS</b>	12/09/2023
	<b>END DATE OF ANALYSIS</b>	18/09/2023
	<b>SAMPLING REF. / SOP NO.</b>	HS/NABL/QC/07

<b>DETAILS OF SAMPLE</b>	<b>SAMPLING DONE BY</b>	<b>SAMPLE CONTAINER &amp; QUANTITY</b>	<b>NATURE</b>	<b>LOCATION</b>
Industrial wastewater	Horizon Services	Plastic bottle-1000ml	Treated	ETP

### RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	TEST METHOD REFERENCE
01	pH	---	7.04	APHA 23 <sup>rd</sup> Ed. 2017, 4500-H <sup>+</sup> B
02	Suspended Solids	mg/L	36.00	APHA 23 <sup>rd</sup> Ed. 2017, 2540-D
03	Total Dissolved Solids	mg/L	900.00	APHA 23 <sup>rd</sup> Ed. 2017, 2540 C
04	Chemical Oxygen Demand	mg/L	18.50	APHA 23 <sup>rd</sup> Ed. 2017, 5220- C
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/L	4.90	IS 3025 (P-44) RA 2003
06	Chlorides as Cl <sup>-</sup>	mg/L	175.45	APHA 23 <sup>rd</sup> Ed. 2017, 4500 Cl-B
07	Sulphates as SO <sub>4</sub> <sup>-</sup>	mg/L	104.00	APHA 23 <sup>rd</sup> Ed. 2017, 4500 SO <sub>4</sub> E
08	Oil and Grease	mg/L	NIL	APHA 23 <sup>rd</sup> Ed. 2017, 2340 Cl -B
09	Residual Chlorine	mg/L	0.22	APHA 23 <sup>rd</sup> Ed. 2017, 4500 Cl-B
10	Total Ammonical Nitrogen	mg/L	14.25	APHA 4500 NH <sub>3</sub> B, 23 <sup>rd</sup> ED 2017
11	Free Ammonical Nitrogen	mg/L	13.00	APHA 4500 NH <sub>3</sub> B, 23 <sup>rd</sup> ED 2017
12	Phenolic Compounds as C <sub>6</sub> H <sub>6</sub> OH	mg/L	NIL	APHA 23 <sup>rd</sup> 2017, 5530 D
13	Phosphates as PO <sub>4</sub>	mg/L	0.25	APHA 23 <sup>rd</sup> Ed. 2017, 4500- P D
14	Cyanide as CN	mg/L	BDL< 0.01	APHA 23 <sup>rd</sup> 2017, 4500- Cn E
15	Bio-Assay test (Survival of fish upto 96 hours)	%	92.00	IS 6582 (Part 1): 1971

For **HORIZON SERVICES**

*Manisha Nargolkar*

**MANISHA NARGOLKAR**  
(Lab Incharge)

## **Annexure – 4**

# **Water permission from the Irrigation Department Karjat**

# कार्यकारी अभियंता,

रायगड पाटबंधारे विभाग, कोलाड, ता.रोहा, जि.रायगड. पिन नं.४०२ ३०४.

दूरध्वनी क्र.०२१९४ - २५०८५७, Email ID:- eerid28@gmail.com

कृपया जलसंपदा विभागाच्या संकेत स्थळास भेट द्या ➔ <http://wrd.Maharashtra.gov.in>

जा.क्र.रापावि/प्रशा-१/५२०९/२०२०

दिनांक:- २६/११/२०२०

प्रति,

✓ व्यवस्थापक,

मे.इनोवासिंथ टक्नॉलॉजी (आय) लि.,

मु.पो.खोपोली, ता.खालापूर,

जि.रायगड

**विषय:-** पाताळगंगा अधिसूचित नदीतून १.२० दललि/दिन पाणी वापराबाबतचा मुळ करारनाम्याचे नुतनीकरण करणेबाबत.

- संदर्भ:-**
१. मा.मख्य अभियंता, जलसंपदा विभाग, कोंकण प्रदेश, मुंबई यांचे पत्र क्र.८९.०१/(८९/८७)/तां.५/१८२३, दि.२३/०५/२००३.
  २. विभागीय कार्यालयाचे पत्र जा.क्र.रापावि/प्रशा-१/२०३०, दि.२५/०३/२०१४.
  ३. आपले कंपनीचे दि.०२/०६/२०२० रोजीचे पत्र.

उपरोक्त संदर्भित पत्र क्र.१ नुसार आपले उद्योग संस्थेस पाताळगंगा नदीमधून १.२० दललि/दिन इतके बिगर सिंचनाकरीता पाणी वापरासाठी परवानगी देण्यात आलेली होती. प्रस्तुत पाणी वापराचे अनुषंगाने संदर्भित पत्र क्र.२ अन्वये विभागामार्फत दि.०१/०४/२०१४ ते ३१/०३/२०२० या कालावधीचा ६ वर्षांचा करारनामा करणेत आलेला होता. संदर्भित पत्र क्र.३ अन्वये आपले कंपनीने दि.०१/०४/२०१४ ते ३१/०३/२०२० कालावधीचा करारनामा संपुष्टात आलेने मुळ करारनाम्याचे दि.०१/०४/२०२० ते ३१/०३/२०२६ या कालावधीसाठीचे नुतनीकरण करणेची मागणी केलेली आहे.

त्याअनुषंगाने प्रस्तुत पाणी वापरासाठीचा दि.०१/०४/२०२० ते ३१/०३/२०२६ या कालावधीसाठीचा करारनामा नुतनीकरण पुर्वलक्षी प्रभावाने करणेत येत आहे. प्रस्तुत करारनाम्यातील शर्ती व अटीचे अनुपालन करणे आपले उद्योग संस्थेवर बंधनकारक आहे.

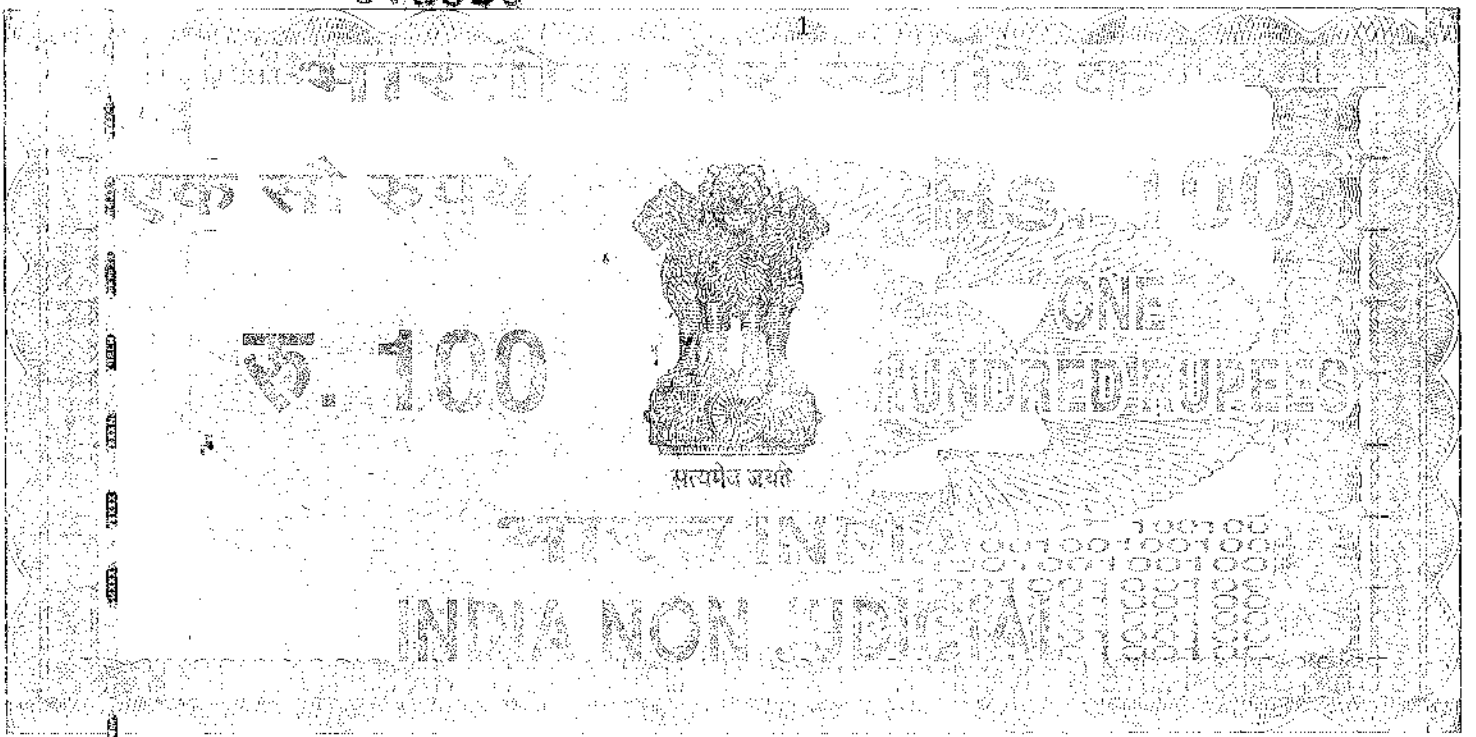
**सोबत:-**करारनामा नुतनकरण छायांकित प्रत

स्थळप्रत कार्यकारी अभियंता  
यांनी मान्य केली आहे.

उपकार्यकारी अभियंता,  
रायगड पाटबंधारे विभाग,  
कोलाड.

प्रत:- उपविभागीय अभियंता, पाटबंधारे उपविभाग, कर्जत यांना माहितीसाठी व कार्यवाहीसाठी रवाना.

आविष्काराच्या कारारनाम्याची प्रत  
प्राप्त झाली  
३०/११/२०  
उप विभागीय अभियंता  
पाटबंधारे-उप विभाग  
ता.कर्जत, जि.रायगड



महाराष्ट्र MAHARASHTRA

● 2020 ●

WV 301027

23 FEB 2020

सचिव, न्यायिक

श्री. दि. क. गवई

**AGREEMENT (For Non - Irrigation water supply)**

AN AGREEMENT made on Day of                      th day of                      Two thousand twenty BETWEEN Innovassynth Technologies (I) Limited, Khopoli, Tal – Khalapur, Dist. Raigad, (which expression shall, unless excluded by or it be repugnant to the context or meaning there of be deemed to include it successors and assigns) registered under the Indian Companies Act, 1913 (vii of 1913), the Companies Act 1956 and having its registered office at Innovassynth Technologies (I) Limited, Khopoli, Tal – Khalapur, Dist.-Raigad, hereinafter referred to as “The Company” of the one part;

AND THE GOVERNOR OF MAHARASHTRA (hereinafter referred to as “The Government (which expression shall unless excluded by or it be repugnant to the context or meaning thereof, be deemed to include its successors and assigns) of the other part;

*[Signature]*



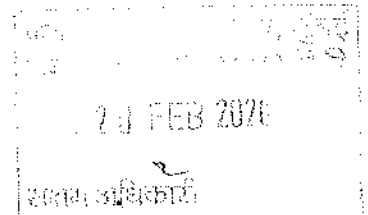
*[Signature]*  
District Engineer  
Raigad



महाराष्ट्र MAHARASHTRA

2020

WV 301005



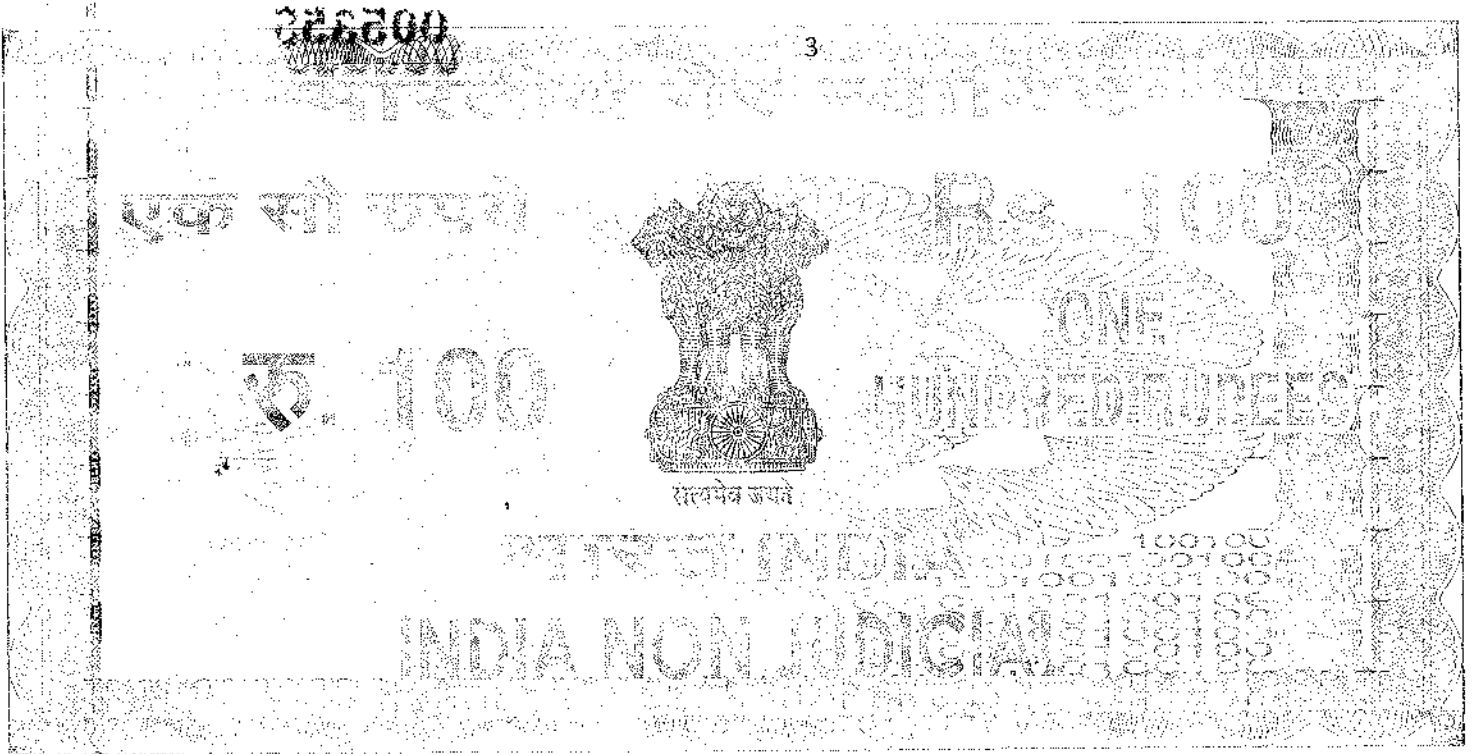
श्री. दि. क. गवई

WHEREAS the company constructed a pumping station on the company's land at Innovassynth Technologies (I) Limited, Khopoli TAL-KHALAPUR, DIST-RAIGAD for drawing water from the source PATALGANGA River (hereinafter referred to as "the said source") for the use by the Company's Khopoli TAL-KHALAPUR plant (hereinafter referred to as "the said plant") and laying underground and surface pipes and drains for discharge of the factory effluent.

AND WHEREAS the Company has applied to the Government for permission to draw 1.20 Million Liters of water per day from the said source AND whereas the company has paid Rs. Nil (Rupees Nil) to Government towards the proportional cost of capital outlay of the project.



Executive Engineer  
Public Irrigation Division  
Raigad



महाराष्ट्र MAHARASHTRA

● 2020 ●

WV 301004

78 FEB 2020  
सदाम अधिकारी

श्री. दि. क. गवडे

AND WHEREAS the Government has agreed to grant the aforesaid permission to the company on the terms and conditions Vide Marathi Letter No C.E.Konkan Region Irrigation Department Mumbai, 89.01(89/87)T-5/1823, Dt. 23.05.2003 & Govt. of Maharashtra WRD Letter No 2012/(577/12), Dt. 27.02.2014.

AND WHEREAS the Company has to deposit with the Executive Engineer Raigad Irrigation, Division Kolad a sum of Rs 5,75,100/- (Rupees Five Lack Seventy Five Thousand One Hundred Only) ( In last agreement company deposited security deposit of Rs. 4,24,900/- vide DD No 005851, Dt. 21.03.2014)\_as security equivalent to two months company's probable annual water charges based on yearly sanctioned and as communicated in cash or in the form of Demand Draft/Fix Deposit receipt or a bank guarantee issued by a scheduled/nationalized bank having its main/branch office situated locally for the due observance and performance by the Company of the terms and conditions of this Agreement



Exec. Eng. Raigad





महाराष्ट्र MAHARASHTRA

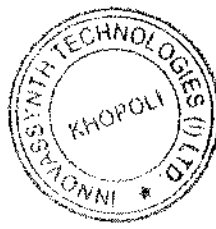
2020

WV 301003

78 FEB 2021  
राज्य अभिलेखी  
श्री. दि. क. गवई

AND WHEREAS the company has accordingly, prior to the execution Rs 5,75,100/- (Rupees Five Lack Seventy Five Thousand One Hundred Only) ( In last agreement company deposited security deposit of Rs. 4,24,900/- vide DD No 005851, Dt. 21.03.2014) of these presents, deposited with the Government a sum as security for the due observance and performance by the Company of the terms and conditions herein contained. AND WHEREAS it has been agreed that the said amount will not carry any interest if deposited in cash. Attached Bank Fixed Deposit Receipt No EM/TDR/C/No. 000978784 dated 29.06.2020 for Rs. 1,50,200/- (Rupees One lakh fifty thousand two hundred only) towards differential amount.

*[Signature]*



*[Signature]*  
Executive Engineer  
Raigad Irrigation Division  
Raigad, Tal. Roha-Raigad

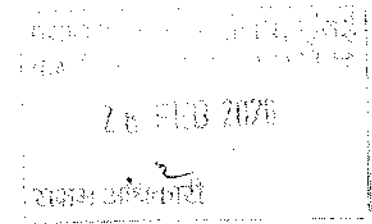




महाराष्ट्र MAHARASHTRA

● 2020 ●

WV 301002



श्री. दि. क. गवई

**Definitions :-**

**Quota :-** Quota means daily demand sanctioned and communicated to Innovassynth Technologies (I) Limited, Khopoli, Tal – Khalapur, Dist.-Raigad, by the Executive Engineer.

**Corporation:-** Corporation means the River basin corporations like Maharashtra Krishna Valley Development Corporation (MKVDC), Godavari Marathawada Irrigation Development Corporation (GMIDC), Tapi Irrigation Development Corporation (TIDC), Konkan Irrigation Development Corporation (KIDC). & Vidharbha Irrigation Development Corporation (VIDC), Municipal corporations, Municipalities etc.



Executive Engineer  
Irrigation Division



महाराष्ट्र MAHARASHTRA

● 2020 ●

WV 301001

28 FEB 2020  
राज्य अधिकारी

जी. दि. क. गवई

**MIDC :-** MIDC means Maharashtra Industrial Development Corporation.

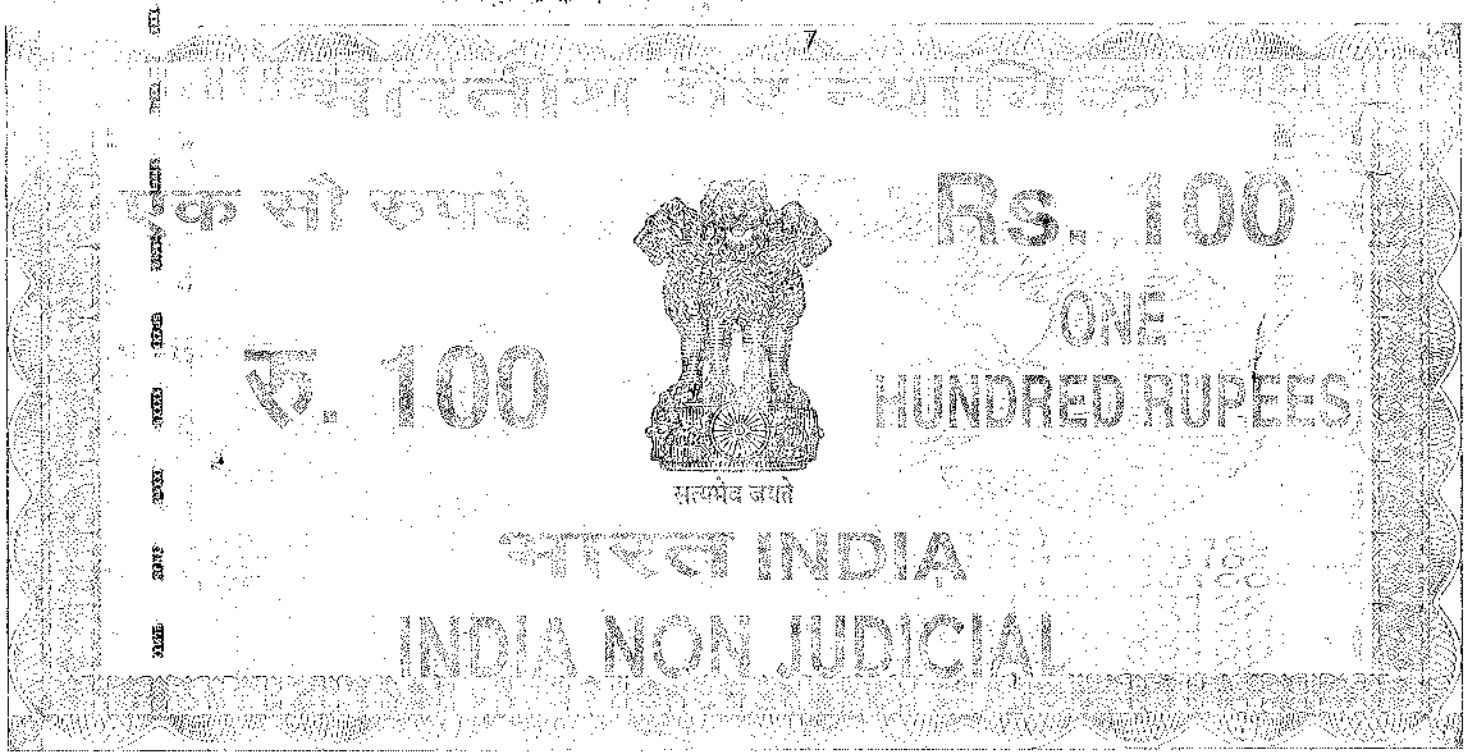
**MJP:-** MJP means Maharashtra Jeevan Pradhikaran.

**Yearly applicable demand:-** Yearly applicable demand means the water demand communicated by the USER for the period from 1<sup>st</sup> November to 31<sup>st</sup> October to the Executive Engineer & sanctioned by Irrigation Department every year in the month of September along with its bifurcation for Industrial domestic and agricultural use.

**USER: -** USER means water using agency like individual company, Industrial Entrepreneurs.



Executive Engineer  
Farad Irrigation Division  
Raigad, Tal. Raigad-Raigad



महाराष्ट्र MAHARASHTRA

● 2020 ●

WV 275000

प्रधान मंत्रालय कार्यालय, मुंबई  
पंजीकृत: 10000009

23 FEB 2021

रक्षक अधिकारी

श्री. दि. क. गवई

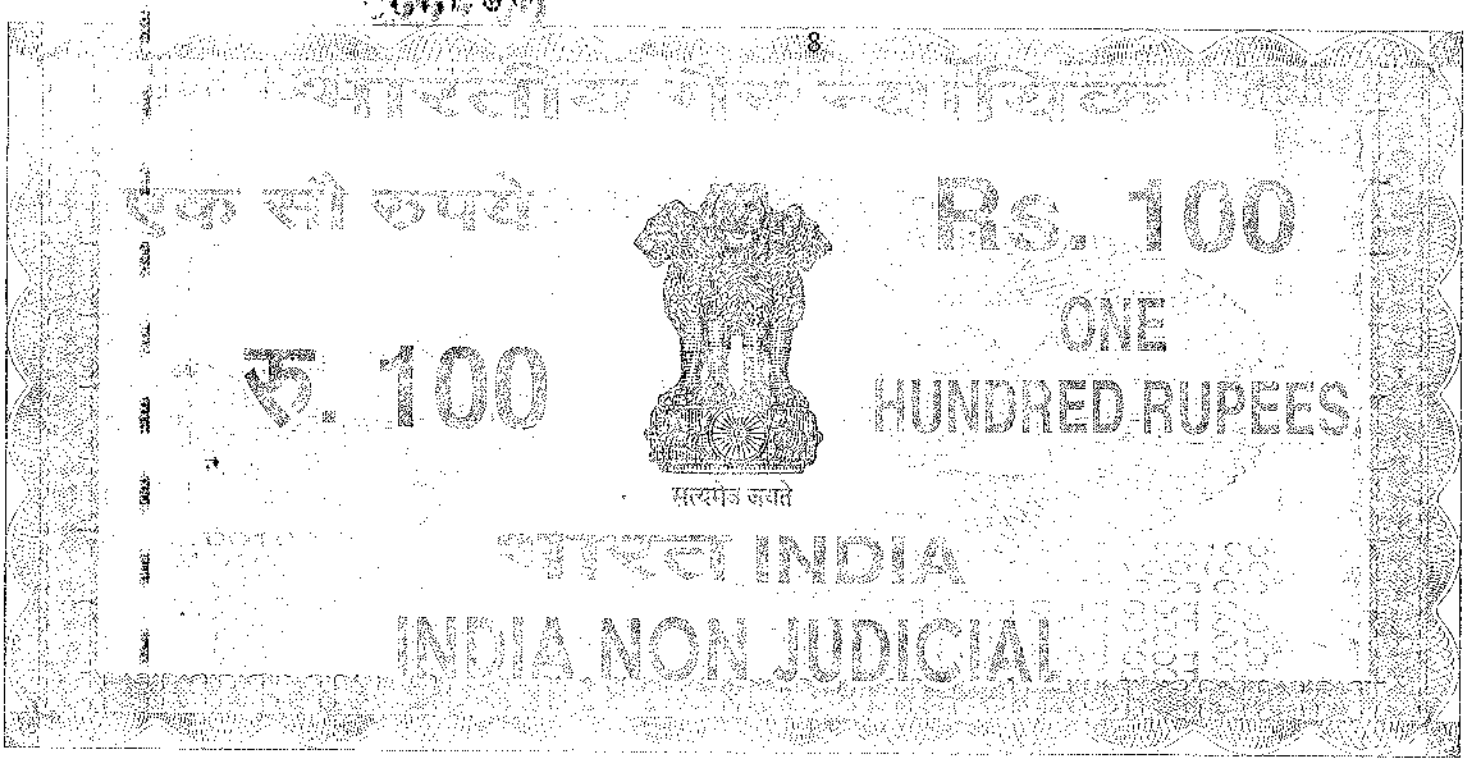
**NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:-**

1) (a) In consideration of the Company making payment to the Government as hereinafter specified and observing and performing the convenience and conditions herein contained, the Government do hereby grant to the Company permission to draw following quota of water for the specified purpose Vide Marathi Letter No C.E.Konkan Region Irrigation Department Mumbai, 89.01(89/87)T-5/1823, Dt. 23.05.2003 & Govt. of Maharashtra WRD Letter No 2012/(577/12), Dt. 27.02.2014.

Sr. No.	Description/Use	Quantity (Million Liters Per Day)
1	Total sanctioned quota	1.20 MLD
1.1	For industry Using potable water bottling plant	----
1.2	For other than water as raw material industrial use	1.20 MLD
1.3	For domestic use	-----
1.4	For agricultural use(nursery/gardening) within the Companies premises.	-----



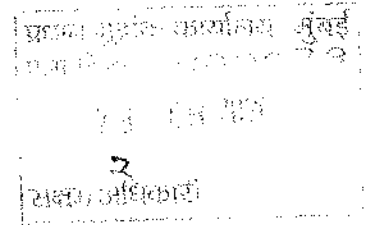
Executive Engineer  
Division



महाराष्ट्र MAHARASHTRA

● 2020 ●

WV 274999



श्री. दि. क. गवई

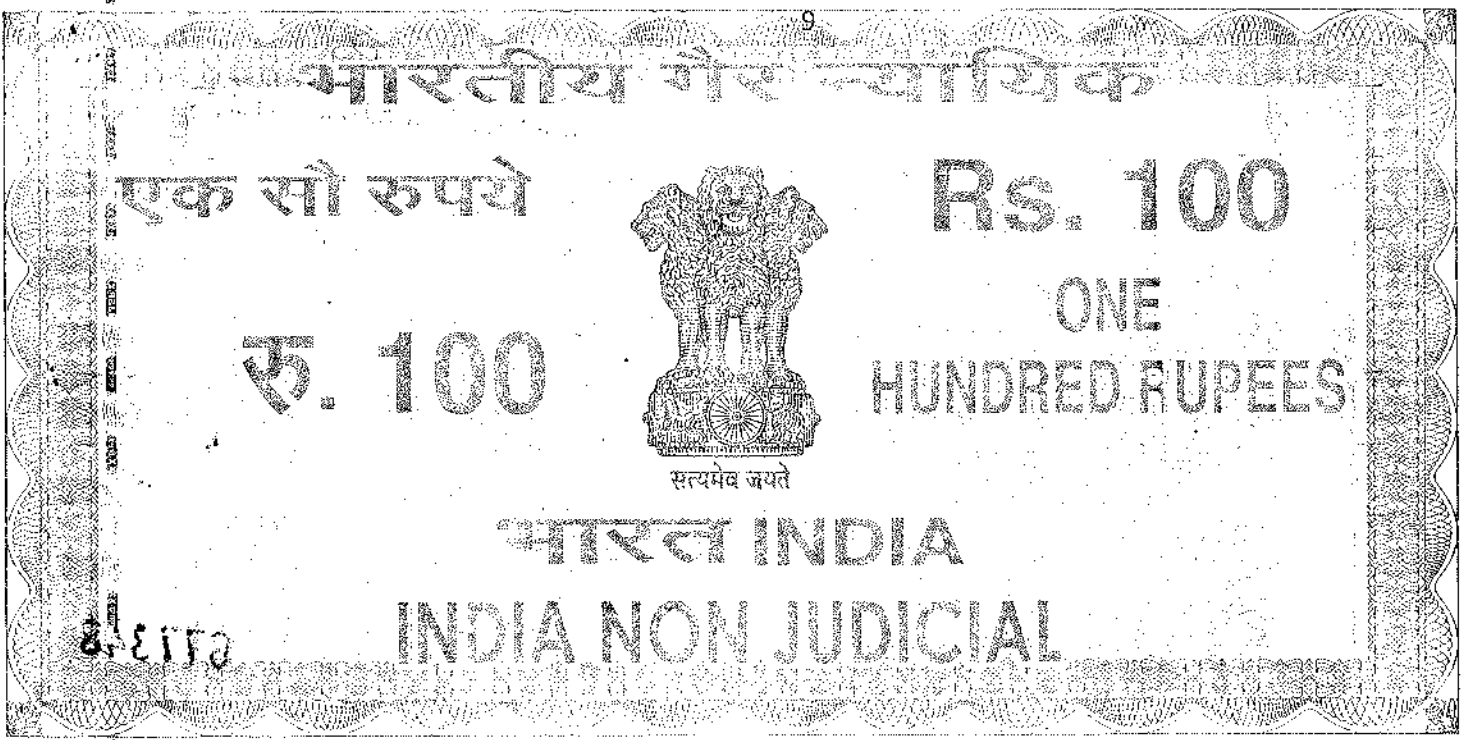
and use the same for the purpose of the Company's said plant or project, for supply to residential colonies and for agricultural use (nursery/gardening) for a term of six years commencing from the 1 April, 2020 on the following terms and conditions:

(b) The quota assigned for domestic use and for agricultural use shall not exceed 10% each of the individual water demand. In the cases wherein the water used for Domestic/Agricultural use exceeds 10% in each case the excess use shall be charged at industrial applicable rate specified in clause 11 of this agreement.

(c) The industrial water requirement, the domestic water requirement and the agricultural (nursery/gardening) water requirement of the Company as demanded deemed to be separate and independent for the sole purpose and water charges assessment shall be accordingly separate and independent for other clauses of this agreement.

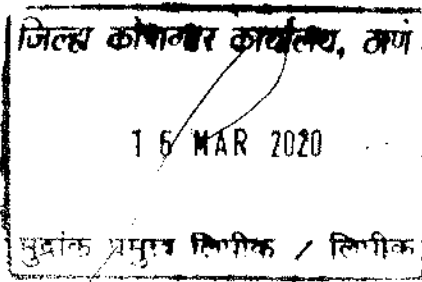


Executive Engineer  
Irrigation Division  
Pune



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WP 452718

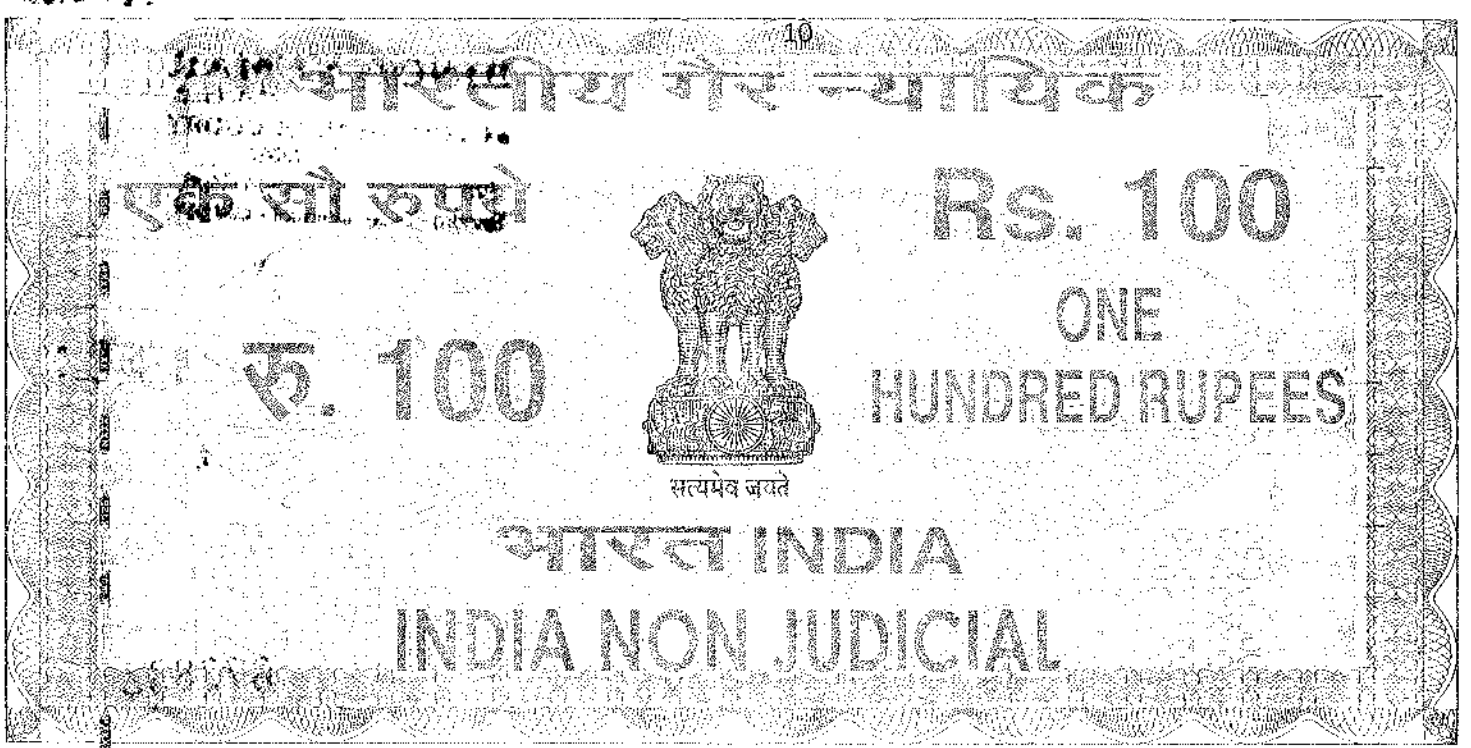


2) The permission hereby granted shall be subject to the provisions of the Maharashtra Irrigation Act 1976 and the Bombay Canal Rules 1934 and subsequent revisions, if any, in force and any executive orders issued in this behalf by the Government and any statutory amendment thereof from time to time and for the time being in force.

3) Nothing herein contained shall be deemed to imply any guarantee on the part of the Government as to the availability or otherwise of any specific quantity of water and the Government shall not be responsible for the non-supply or inadequate supply of water on any account whatsoever.



Executive Engineer  
Raigad Irrigation Division  
Tal. Roha-Raigad



2019

WP 452091

जिल्हा कोषागार कार्यालय, ठाणे

16 MAR 2020

मुद्रांक प्रमुख लिपीक / लिपीक

However in case of inadequate or non-supply due to shortage of water or reason beyond the control of the Department bill shall be charged as per actual quantity of water lifted/supplied during such period.

4) The Company shall use the water drawn from the said Patalganga river for purposes of the Company's said Plant and for supply to the residential colonies constructed by the company within the area of the said Plant for providing housing to its employees and workers (hereinafter referred to as "the said residential Colonies.") The Company shall not sale the water from the said river to any other person, firm or company, corporation or other body. In the event of the company selling water drawn from the said river, then the Government without prejudice to its right will forthwith revoke the license. The Government shall also be entitled to recover from the Company the proceeds of any such sale made by the Company.



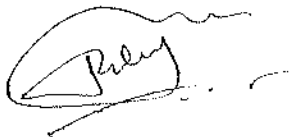
Executive Engineer  
Raigad Irrigation Division

5) The Government shall be entitled to utilize water of the said river available after meeting the reasonable requirements of the Company as to which matter the decision of the Government shall be final and binding on the Company, for such purpose as the Government deems fit.

6) The permission hereby granted shall not in any manner prejudicially affect the existing water rights vested in the upstream riparian owners; nor shall it in any way, prejudice Government's right to hereafter launch or implement in public interest any new schemes or schemes on its own, on or in connection with the present source of channel of water supply available to the Company, subject however to the safe-guarding of its reasonable demand referred to in clause (5) above.

7) The company shall not construct the pick-up weir in the Patalganga river bed unless the proposals, plans, drawings, specifications, estimates and all other details thereof are previously submitted to and approved in writing by an officer authorized in that behalf by the Government and while granting its approval to the construction of the pick-up weir Government may impose such conditions as it may in its discretion think fit.

8) (a) For ascertaining the quantity of water drawn by the Company, the Company shall forthwith at its own cost and after obtaining prior approval in writing thereto of the Executive Engineer install for all uses mentioned in clause no. 1 of this agreement independent pipeline fitted with separate electronics water measuring devices for use of water for the said independent intention (hereinafter referred to as "the said electronic measuring devices") at such places as is indicated by the Executive Engineer). All the pipeline layout showing locations of the metering equipment from the said source for different purposes shall be got jointly verified and got approved from the Executive Engineer, Irrigation Department. Layout from the said source shall be got approved from the Executive Engineer. No changes in the approved layout shall be made without the prior written approval from the Executive Engineer. In the event of the Company failing to install the meter, during such period 125% of the proportionate sanctioned quantity will be charged at the prevailing rates for the said plant for the event of the company in falls the water meter but fails to keep in proper working order the said electronic measuring devices for use of water for the said Plant and supply to the said residential colonies as aforesaid, the Company shall be liable to pay for the full sanctioned water quota as mentioned in clause 8(d) I & II appearing hereinafter.



Executive Engineer  
Raigad Irrigation Division  
Kolad, Tal. Roha-Raigad

The said electronic measuring devices shall always be kept under the lock and seal of the Executive Engineer and the key of such lock shall at all times remain with the Executive Engineer. The Company shall, at all times, during the subsistence of this agreement at its own cost maintain the said electronic measuring devices in proper working order and condition and a calibration certificate to be submitted every year.

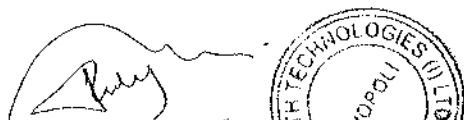
(b) Readings for the water so drawn by the company will be taken on the said electronic measuring devices, on the last day of each month or at agreed times, jointly by the Authorized representatives of the Executive Engineer and of the Company. Authorized representative of Executive Engineer shall not be stopped by the company on the gate and shall not be checked for security propose and shall be allowed to inspect company premises at any time failing which the company is liable for cancellation of quota allotted. Decision of Executive Engineer in such case will be binding on company.

(c) If at any time in the opinion of the Executive Engineer the said electronic measuring devices are found defective, the same shall be tested for its accuracy and the cost of such testing shall be borne and paid by the Company. If on such testing the said electronic measuring devices are found to be defective, the Company shall forthwith get the same repaired and set right at its own cost and in the event of the Company failing to do so within 30 (Thirty) days thereafter the Executive Engineer may proceed to do so on account and at the cost of the Company.

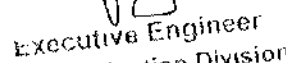
(d) In the event of the said electronic measuring devices going out of order and becoming defective the quantity of water drawn by the Company during the period when the meter was defective and not working shall be ascertained in the following manner:

(i) If the said electronic measuring devices remain out of order for a period of less than 30 days then the quantity of water deemed to be drawn by the USER during the said period shall be taken to be 90% of the sanctioned demand as communicated in clause No. 11 quantity or average for the last six months whichever is higher.

(ii) If the said electronic measuring devices remain out of order for a period exceeding 30 days then the quantity of water deemed to be drawn by the USER during the said period shall be taken to be 110% of the sanctioned demand as communicated in



A handwritten signature is written over a circular stamp. The stamp contains the text "TECHNOLOGIES" at the top and "MADHUR" at the bottom.



A handwritten signature is written over the text "Executive Engineer" and "Division".



clause No.11 or average the last six months whichever is higher. This will be made applicable for the period during which the measuring devices remained out of order.

The aforesaid provisions will also apply when the quantity of water drawn by the Company that cannot be measured on account of removal of the said electronic measuring devices for repairs or the same in the opinion of the Executive Engineer not working properly.

(iii) If electronic meter meant for domestic or for agricultural use is not fitted or remains out of order or is removed, the water charges will be levied as per the rates specified for the industrial use for the total quota as referred to in clause 1 (a) of this agreement.




9) Billing should be done on monthly basis. The bill for the water drawn by the Company during the previous calendar month shall be sent in duplicate /triplicate by the Executive Engineer to the office of the Company within 15 days after the end of the water consumption month. The Company shall thereafter duly pay the same by a demand draft drawn in the name of the **Executive Engineer, Raigad Irrigation Division Kolad** for and on behalf of the Government within a fortnight from the date of receipt of the bill and shall not allow the same to fall in arrears. If the company fails to pay the amount within this stipulated time (15 days from the date of receipt of the bill i.e. before the end of the current month) extra charge as stipulated by Government of Maharashtra will be charged. If the delay in payment of water charges exceeds six months the Irrigation department reserves the right to terminate the water supply with a notice of 15 days in advance.

10) The cost of all works in connection with the arrangements for water supply including the cost of measuring devices and its installation and maintenance, shall be borne by the Company.

11) Subject to the provisions of clause (8) hereof, the Company shall pay to the Government at the time and in the manner specified in clause (12) hereof water charges said electronic measuring devices at the following rates, namely:-

**Rate in Rs. Per 10,000 Liters i.e. (1 unit)**

Use	Sanctioned Quota	From 01.02.2018 Onwards
Industrial	1.20 MLD	The above rates are as per the Governor Resolution No. संकिर्ण 2014/(43/14)सि.व्य(धोरण), dated 27th Feb, 2018 & MWRRA's Order No 1/2018, Dt. 11.01.2018 Or any other rate notified by Government of Maharashtra.
Domestic	---	
Horticulture	----	

  
  
  
Executive Engineer  
Irrigation Division

The Water lifted by the user during rainy season from the river where irrigation department has not released the water is chargeable as per the rates decided by Government of Maharashtra and no concession will be fought by user on such lifted water. User is fully aware of the category allotted to user by Executive Engineer for the purpose of drawing water from Patalganga River and no such claim or the dispute will be raised by the user. The decision of Executive Engineer will be binding on the user in this matter.

i] If in any month the quantity of water drawn by the Company is less than 90 per cent of the quantity of water specified in clause (1) hereof then the company shall pay to the Government water charges as per the Government of Maharashtra Notification.

ii] For any unforeseen reasons, if the Company would like to reduce / increase the demand of water entered in the agreement they will be required to make the revised annual demand before the commencement of the year i.e. 1<sup>st</sup> day of November. On acceptance of such revised demand the Company will be charged as per changed demand for the period specified, other conditions remaining same. **A supplementary agreement on Rs.100/- stamp paper** for this changed quantity which will form part of main agreement.

iii] No penal rate will be levied for the quantity limited to 10% in excess of the sanctioned one. For quantity used in excess of this 10% without prior sanction a penal rate as per Government of Maharashtra Notification will be charged over the basic rate. The delay in payment on account of this also will be governed by clause 9 above.

iv] For any unforeseen reasons (such as sudden closure of the units or sudden rise in production etc) there could be abrupt fluctuations in the demand on both sides. Such cases will be decided at Government level only, by giving due considerations to the availability of water in the particular sub-basin and so on.

v] In addition to the payment of water charges referred to above the Company shall also pay to the Government local funds cess at the rate of 20 paise per every rupee of basic water charges.

vi] Water Bill – The monthly bill for the period from November to September (For 11 Months) shall be prepared on the basis of actual quantity of water lifted at the

  
Executive Engineer

prevailing rate. The bill for the months of October (12<sup>th</sup> month) shall be prepared by taking review of annual sanctioned demand & the items & conditions of the agreement & then shall be considered that the 90% of the annual sanctioned demand has been lifted/used.

The water lifted in excess upto 10% of sanctioned demand shall charged at single rate and excess above 10% (without prior permission) will be charged at penal rate 1.50 time of the normal rate, as mentioned in the relevant clause, However the local cess shall be charged on single rate only.

12) (a) The company shall pay to the Executive Engineer, water rates and local fund cess either in advance every month on the basis of anticipated quantum of water to be drawn by it from the said source during the next two month or on monthly basis within fifteen (15) days from the date of receipt of the monthly demand by the user from the Executive Engineer. On default, of the user to shall pay the water rate or local fund cess as aforesaid vide clause 9 and 11, the Government shall without prejudice to its any other rights and remedies be entitled to terminate this agreement forthwith as per clause No 9.

(b) In the case of disputes regarding quantity of water billed or rate at which the bill is prepared the Company/firm/individual water users shall first pay the complete amount of the bill and then claim for the refund of any excess bill charged giving the reasons / justification of wrong billing. However the decision of Superintending Engineer, Thane Irrigation Circle, and Thane in this regards shall be final and binding on the company and no further claim in any just will be made by the user.

13) The Government hereby reserves to itself the right to revise from time to time the water rates and local fund cess and Company shall pay the revised water rates and local fund cess as may be fixed by Government from time to time and any clause entered in this agreement is subjected to change as per the notification by Government of Maharashtra.

14) The user shall not discharge the effluent in any nalla or river and shall not pollute directly or indirectly any portion of the said nalla / river even by septic tank effluents. If any water sources are polluted by any industry as identified by irrigation / pollution control board/MIDC/MJP the Company shall be charged with a penalty as per

    
Executive Engineer

the Notification by Government of Maharashtra issues of prevalent times. The opinion of Maharashtra Pollution Control Board in respect of degree of pollution will be binding on the Company.

The company undertaking to recycle the effluent water for their use such as gardening, recreation, cooling cleaning, washing and manufacturing process etc. so that at least 50% reduction in consumption of fresh water is achieved.

15) The effluent disposal arrangement made by the company/ industry shall be got approved by the Company from the Maharashtra Pollution Control Board/ Environmental Department of the Government prior to commencing the operation of pumping/drawing water from the source and shall submit the same to the Executive Engineer without which the user will not be allowed to draw the water.

16) The company shall at all the times allow an officer of Irrigation Department of the Government authorized in that behalf to inspect the said works as well as the accounts and copies taken of entries from the records maintained by the Company & shall not be stopped or checked for any security reason at any time.

17) Any notice or other document to be given to or served upon the Company may be given or served on behalf of the Government by the Executive Engineer, Raigad Irrigation Division, Kolad and any notice or document shall be deemed to have been duly given to or served upon the Company or sent by registered post to the registered company if it is delivered at the registered office of the company or sent by registered post to the registered address for the time being of the company.

18) The said sum of Rs 1,50,200/- (Rupees One Lakh fifty thousand two hundred Only) (In last agreement company deposited security deposit of Rs. 4,24,900/- vide DD No 005851, Dt. 21.03.2014) deposited in the form of FDR by the company with the Executive Engineer, Raigad Irrigation Division, Kolad, Tal. Roha, Dist. Raigad to the Government as aforesaid shall be held by the Government as security deposit for the due observance and performance by the Company of the covenants, terms and conditions herein contained. In case of defaults on the part of the company to perform and observe any of the said covenants terms and conditions it shall be lawful for the Government in his absolute discretion to forfeit the whole of the security deposit or any part thereof without prejudice nevertheless to any rights and remedies which the



Government may have against the Company under these presents for such breach and the Company shall forthwith pay up the amount so forfeited and shall always maintain the original amount of deposit throughout the period of this agreement. On the expiry of the terms of this agreement, the said security deposit of Rs 5,75,100/- (Rupees Five Lack Seventy Five Thousand One Hundred Only) ( In last agreement company deposited security deposit of Rs. 4,24,900/- vide DD No 005851, Dt. 21.03.2014) or such part thereof as shall not have been appropriated as aforesaid shall be refunded to the Company after the renewed of this agreement The company must submit the fresh Bank Guarantee / FDR/Demand Draft of any such amount required for renewal of this agreement first & then this security deposit of Rs 5,75,100/- (Rupees Five Lack Seventy Five Thousand One Hundred Only)) will be refunded.

19) All amounts due to the Government by the Company under this agreement shall be deemed to be arrears of land revenue and may without prejudice to any other rights and remedies of the Government be recovered from the Company as arrears of land revenue.

20) On the expiry of the term of this agreement, the Government may renew this agreement within 90 days for such further period and on such terms and conditions, as the Government may at its absolute discretion deem fit.

21) The costs incurred in the execution of the incidental charges for this agreement including stamp duty shall be borne and paid by Company.

22) Permission for extra water over and above the sanctioned quota will be granted only when the written permission for expansion etc. is produced by the Company from the Industries Department.

23) The agreement supersedes all the previous agreements entered into by the user with the Government in connection with the supply of water from Patalganga River.

24) The Company should submit their water indent for every rotation to the Executive Engineer, Raigad Irrigation, Division Kolad on or before starting of the rotation. Where the source is located on canal, the Company should also furnish the exact quantity of water actually drawn in each rotation after completion of the rotation.

  
Engineer


25) The Company will have to make an arrangement at its own cost for adequate storage (Balancing Tank) of not less than two months requirement of water in case of perennial canal, five months requirement in case of 8 monthly canal system, four months requirement in case of water source from seasonal river/nalla and one month water requirement in case of perennial water source of river/nalla so as to take care of the closure period. But if unexpectedly the closure period is increased by more than the specified period stipulated herein the Company will have to make an alternative arrangement for its water requirement at its own cost & irrigation department is not liable for any damages incurred to company due to non-supply of water.

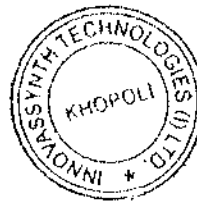
26) IF THE COMPANY COMMITS A BREACH OF ANY OF THE TERMS AND CONDITIONS THEREOF GOVERNMENT SHALL BE ENTITLED TO CANCEL THIS PERMISSION AND DISCONTINUE THE SUPPLY OF WATER WITHOUT PAYMENT OF ANY COMPENSATION WHATSOEVER TO THE COMPANY UNILATERALLY.

27) The Govt. hereby reserves to itself its right to change, amend, modify, cancel, revise any of the terms and conditions, rules and regulations of water management and Maharashtra Irrigation Act and rules laid under them which shall be applicable for this agreement.

IN WITNESS WHEREOF THE AND the Executive Engineer, Raigad Irrigation Division, Kolad has for and on behalf of the Governor of Maharashtra hereto set his hand and affixed the seal of this office the day and year first herein above written.


SIGNED, AND DELIVERED by Innovassynth technologies (India) Limited.

  
Rahul Kadam



SIGNED, SEALED AND DELIVERED by the Executive Engineer, Raigad Irrigation Division, Kolad for and on behalf of the Governor of Maharashtra

In the presence of:

  
Executive Engineer  
Raigad Irrigation Division  
Kolad, Tal. Roha-Raigad

## **Annexure – 5**

**Photographs of the separate effluent conveyance system, sewage conveyance system and storm water drain**

**ETP Separate conveyance system for Effluent**



**STP Separate conveyance system for Sewage**





Storm Water drain channel photograph



## **Annexure –6**

# **Photographs of the tank farm**

## TANK FARM PHOTOGRAPH







## **Annexure – 7**

# **Plantation photographs**

## Tree Plantation

Tree Plantation done on the occasion of World Environment Day 2023.

There are 5 palm trees, One Banyan trees, One Bel tree and One pimple tree planted in the company premises.

Below are the snapshots of tree plantation.











## **Annexure-8**

# **Public Hearing Compliance**

**Public hearing compliance matrix**

<b>Sr.No</b>	<b>Points raised in the public hearing</b>	<b>Compliance given during the public hearing</b>	<b>Actions actually taken on ground</b>
<b>1</b>	1. Shri Masurkar, Ex. president, Khopoli Municipal council opined that at present in the Khopoli and other nearby areas, while most of industries are facing market crises, the expansion proposed by the project proponent is definitely notable. He informed that we are not against the project, The local people desire development. Though expansion of the project will improve the socio-economic condition of the Region, the job opportunities be given to people residing in the vicinity of project especially youths. Shri Masurkar further informed that the people residing in the vicinity of the project fears that as this is chemical Industry, untoward incidence should not happened, Industry should take all the measures accordingly in the project; Some times the smell generated during the process fears them. He appealed project proponent to implement Environment Management Plan wholeheartedly. The Public Hearing committee asked company officials to give answer regarding the suggestions.	<p>Company officials informed that there are more than 70% people working in the project are residing near the vicinity of project. He informed that since the inception of the plant, the project proponents committed to keep clean environment and Environment Management plan is implemented wholeheartedly. The Sewage Treatment plant of the capacity of 41 CMD will be erected to treat the domestic effluent. The treated domestic effluent will be reused' The total industrial effluent generation will be 297 CMD' Presently the effluent from high TDS stream is being treated in existing MEE-I and then condensate of MEE-I and other streams from process are being treated in conventional 'ETP.</p> <p>After expansion total effluent will be treated by MEE (Proposed) followed by conventional 'ETP followed by MEE (Proposed followed by conventional ETP followed by RO and treated industrial effluent will be recycled in the process totally. He further informed that not a single drop of effluent will be generated outside the project, The project is Zero Liquid Discharge (ZLD), The project proponent further informed that the source of flue gas emission is from existing and additional industrial ,boiler and it will be released through stack having adequate stack height' The Noise levels in the manufacturing process are within the limits as specified' The project proponent has already prepared "Disaster Management Plan" Hence local people should not fear for the manufacturing process.</p>	<p>Proper ZLD system has been provided consisting of conventional ETP with primary , secondary and tertiary units followed by R.O and MEE unit.</p> <p>Photographs of the various units of the ETP viz., primary , secondary , tertiary, MEE and R.O are enclosed as <b>Annexure-A</b></p> <p>The company gives preference to the local people for employment in the company based on qualification and experience. As per the records we have provided employment to 91% local people.</p>
<b>2</b>	Shri v. Sunanda Reddy, an Environmentalist from Hyderabad	Company Officials informed that they are already implementing the various social development	Various CSR activities have been taken up since the public hearing was

	<p>suggested project proponent to collect Health Data of the of 10 k.m. of radius of the. project, data of crop pattern and ground water availability. It can be used as parameter. He suggested to implement rain water harvesting system, repair internal roads in the project with green drive at both the sides of road, to extend skilled development programmes to local youths, formation of coordination committee of local people, project proponent and State pollution control Board to implement very social development programme under CSR Fund, to teach job oriented courses to local people. The Public Hearing Committee informed him to give his suggestions in writing.</p>	<p>programmes since the inception of the plant in 1960. The project proponent has carried green plantation in and around the factory and more than 15.000 number of trees are planted and planned to double the same. He informed that the activities under CSR fund are important to them. The project proponent has already appointed a Medical officer, who will go to school to take medical checkup of students' The ambulance is always kept ready in the project premises and also made available to local people as and when required.</p>	<p>conducted. Photo of the CSR is available as <b>Annexure-B</b></p> <p>Photograph of the ambulance is also available which is always kept ready in the project premises and also made available to local people as and when required . The aforesaid photograph is enclosed as <b>Annexure-C</b></p>
3)	<p>Shri Raju Namdeo Hange, resident of mulgaon informed that the project proponent do carry the social development work in the vicinity from time to time. As there were no windows to the local small children school, the request by local people is immediately accepted by the project proponent and widows are fitted immediately. The services of ambulance are always made to needy people provided by the project officials.</p>	<p>The project proponent has made available the Medical Practitioner round-the-clock, He further informed that the local people are happy that the project proponent has planned its expansion. He wished success for expansion.</p>	<p>For information</p>
4)	<p>Shri H. Madhubabu, an Environmentalist from Hyderabad and president of Rural Environment Education &amp; Health Awareness Society (REEHAS) also gave his views in writing, As he was reading the suggestions, the public Hearing Committee remarked that the issues are already raised</p>	<p>----</p>	<p>----</p>

	by one V. Sunanda Reddy and hence repetition should be avoided, The public hearing committee directed him to give his suggestions in writing		
5)	Shri Sayyed Yusuf, resident of Mulgaon informed that he is local resident and he is also working in the unit since 1980. He said that the project proponent are implementing the Environment Management Plan and do carry social development activities from time to time.	Shri Sayyed Yusuf commended the Environment Management Plan & about development activities company is doing from time to time.	For information
6)	Shri Dilip Jadhav, resident of Mulgaon remarked that the project proponent do help the local school and do carry the social activities regularly. He further suggested that people residing the vicinity of the project should be given job opportunities.	Shri Dilip Jadhav, resident of Mulgaon remarked that the project proponent do help the local school and do carry the social activities regularly. He further suggested that people residing the vicinity of the project should be given job opportunities.	



**Photographs of the various units of the ETP viz., primary, secondary, tertiary, MEE and R.O**







CSR Photograph.



**Ambulance Photograph in Factory Premises**



## **Annexure –9**

# **Details of the ESR**

## ESR Activity

Particulars	Actual Cost in Rs. Lacs	Brief Description of project	Distance of the work from Project Area	Status
Multiutility Toilet Block for Municipal Council	24.65	Multi utility toilet block construction for municipal council in the town which will be used by people in the market and commuters on the highway. This block will be maintained by municipal council.	1.7 km	Completed
Toilet Block at Mulgaon	11.32	Toilet block for villagers of Mulgaon which is in the vicinity of factory.	0.2 Km	Completed
Water Purifier & Cooler for Municipal Hospital	3.34	Water purifier with cooler to be installed in Municipal hospital premises which will be used by patients coming from rural areas. Also, it will be used by people in the surrounding market area.	2.6 Km	Completed
Faecal Sludge Treatment Plant 30KL (FSTP) for Municipal Council	19.82	Currently there is no treatment facility for the faecal sludge collected by Municipal Council. As requested by Municipal Council, we propose to install FSTP which will treat the faecal sludge collected from town.	3.5 Km	Completed
<b>Total</b>	<b>59.13</b>			

## **Annexure – 10**

# **Photographs of Acoustic enclosure**



DG Acoustic Enclosure 1000KVA



DG acoustic Enclosure for 1010 KVA

## **Annexure-11**

# **Health Register –Form7**



**(Form NO-07)**

**Innovassynth  
Technologies Limited**

Shri Ram Nagar, Khopoli, Raigad- 410203

HEALTH CHECK UP DONE ON  
June, 19, 20 & 21, 2023

BY

**Dr. Anita S. Tarlekar**  
M.D. (Med) A.F.I.H.

CERTIFYING SURGEON

**Shushrusha Occupational  
Industrial Health & Research  
Centre**

ADD Plot No 22-A, Phase-III, Palm Beach Road, Sec-06, Nerul, Navi Mumbai-400 706.  
Tel No : 9322297834, 9833327293. Email ID : shushrushaoccuhealth@gmail.com















(See Rule 18(7) and schedules II, III, IV, VI, VIII, X, XI, XIII, XIV, XV, XVII, XVIII and XX Rule 114) **Innovassynth Technologies Limited****HEALTH REGISTER**

(In respect of person employed in occupations declared to be dangerous operations under section 87).

Name Of Certifying Surgeon (a): **Dr. Anita Tarlekar (M.D., AFIH)**From: **19-06-2023** To: **20-06-2024**

Certifying Surgeon Regn. No 62100

From: \_\_\_\_\_ To: \_\_\_\_\_

Sr No	Employee No	Name of Worker	Sex	Age	Date Of Employment of present work	Date Of leaving or transfer to other work	Reason for leaving transfer or discharge	Nature of job or occupation	Raw Material or bye product handled	Dates Of medical Examination by certifying surgeon and result of medical examination	Result Of Medical Examination Physician Remark	If suspended from work state period of suspension with detailed reason	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with date certifying Surgeon
11	1706	MR. PRITAM B. TIGHARE	Male	38				EXECUTIVE		19-06-2023	Fit For Job				
12	1725	MR. AJAY T. CHAUDHARY	Male	35				EXECUTIVE		19-06-2023	Fit For Job				
13	1757	MR. SANDESH D. PARDESHI	Male	43				DY. MANAGER		19-06-2023	Fit For Job				
14	1770	MR. DATTATRAY R. BADAVE	Male	52				DY. MANAGER		19-06-2023	Fit For Job				
15	1773	MR. SUDESH R. JADHAV	Male	44				DY. MANAGER		19-06-2023	Fit For Job				
16	1778	MR. RAKESH KUMAR PARNAR	Male	44				DY. MANAGER		21-06-2023	Fit For Job				
17	1801	MR. NAVNATH R. ADLINGE	Male	38				EXECUTIVE		20-06-2023	Fit For Job				
18	1863	MR. PRASHANT R. AHER	Male	41				EXECUTIVE		20-06-2023	Fit For Job				
19	1867	MR. GAJENDRA G. SHINDE	Male	48				MANAGER		19-06-2023	Fit For Job				
20	1873	MR. MUKESH S. PATIL	Male	42				EXECUTIVE		19-06-2023	Fit For Job				

डॉ. अनिता तारळेकर

कारखाने अधिनियम १९४८ च्या कलाम १०(२)  
प्रमाणे रायगड जिल्हाद्वारे १३ फेब्रुवारी २०२३  
पासून १२ फेब्रुवारी २०२५ पर्यंत प्राधिकृत प्रमाणक  
शल्य चिकीत्सक क्र. ACS25AT/2016

## FORM NO. 7

(See Rule 18(7) and schedules II, III, IV, VI, VII, VIII, X, XI, XIII, XIV, XV, XVII, XVIII and XX Rule 114) **Innovassynth Technologies Limited**

**HEALTH REGISTER**

(In respect of person employed in occupations declared to be dangerous operations under section 87).

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Certifying Surgeon Regn. No 62100

From: **19-06-2023**

To: **20-06-2024**

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21	1894	MR. BHANESH D. KARANJE	Male	35				EXECUTIVE		21-06-2023	Fit For Job				
22	1896	MR. BALU P. GHULE	Male	33				SR.OFFICER		19-06-2023	Fit For Job				
23	1926	MR. BHARAT L. BHOIR	Male	32				SR. OFFICER		20-06-2023	Fit For Job				
24	1929	MR. MANOJ P. PATIL	Male	32				EXECUTIVE		19-06-2023	Fit For Job				
25	1937	MR. PARAG B. PATIL	Male	31				EXECUTIVE		19-06-2023	Fit For Job				
26	1953	MR. KALPESH D. BHOSALE	Male	31				SR. OFFICER		20-06-2023	Fit For Job				
27	1956	MR. VINAY V. PAWAR	Male	32				EXECUTIVE		21-06-2023	Fit For Job				
28	1962	MR. PRAVIN M. MALI	Male	29				SR. OFFICER		21-06-2023	Fit For Job				
29	1975	MR. ASHUTOSH MISHRA	Male	31				EXECUTIVE		20-06-2023	Fit For Job				
30	1979	MR. AVINASH S. MORE	Male	34				EXECUTIVE		21-06-2023	Fit For Job				

*Anita Tarlekar*

डॉ. अनिता तारलेकर

कारखाने अधिनियम १९४८ च्या कलाम १८(२)  
प्रमाणे रायगड जिल्हाकारिता १३ फेब्रुवारी २०२३  
पासून १२ फेब्रुवारी २०२५ पर्यंत प्राधिकृत प्रमाणक  
शल्य चिकीत्सक डॉ. ACS25AT/2016



(See Rule 18(7) and schedules II, III, IV, VI, VIII, X, XI, XII, XIV, XV, XVII, XVIII and XX Rule 114) **Innovassynth Technologies Limited****HEALTH REGISTER**











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Certifying Surgeon Regn. No 62100

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31	1984	MR. PRAMOD E. BADEKAR	Male	32				SR.OFFICER		20-06-2023	Fit For Job				
32	2000	MR. RAJKUMAR B. VASUGADE	Male	52				DY. MANAGER		19-06-2023	Fit For Job				
33	2020	MR. KIRAN B. JADHAV	Male	50				OFFICER		20-06-2023	Fit For Job				
34	2049	MR. SUNIL B. GADGE	Male	38				EXECUTIVE		19-06-2023	Fit For Job				
35	2056	MR. PRASHANT V. JOSHI	Male	31				EXECUTIVE		19-06-2023	Fit For Job				
36	2058	MR. RAKESH K. GHARAT	Male	29				SR. OFFICER		19-06-2023	Fit For Job				
37	2062	MR. ANKUSH R. CHAVAN	Male	55				EXECUTIVE		20-06-2023	Fit For Job				
38	2066	MR. MANGESH P. PATIL	Male	33				SR. OFFICER		19-06-2023	Fit For Job				
39	2067	MR. NARAYAN P. BELE	Male	47				EXECUTIVE		20-06-2023	Fit For Job				
40	2081	MR. MAYUR M. ZUNJARAO	Male	34				SR.OFFICER		20-06-2023	Fit For Job				



डॉ. अमिता तारलेकर  
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प्रमाणे रायगड जिल्ह्याकरिता १३ फेब्रुवारी २०२३  
भासून १२ फेब्रुवारी २०२५ पर्यंत प्राधिकृत झाला  
शतव्य चिकीत्सक क्र. ACS25AT2016

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Certifying Surgeon Regn. No 62100

From:

To:

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41	2127	MR. SIDDHARTH A. PATIL	Male	40				SR. OFFICER		21-06-2023	Fit For Job				
42	2131	MR. NITIN B. SALUNKHE	Male	33				EXECUTIVE		19-06-2023	Fit For Job				
43	2141	MR. HARICHANDRA G. PATIL	Male	32				SR. OFFICER		19-06-2023	Fit For Job				
44	2142	MS. SAPANA S. BHALVADE	Female	27				SR. OFFICER		19-06-2023	Fit For Job				
45	2144	MS. ASHWINI A. BANDAL	Female	27				SCIENTIST (GRADE A)		19-06-2023	Fit For Job				
46	2189	MR. KAPISH R. BENDRE	Male	27				SR. OFFICER		20-06-2023	Fit For Job				
47	2191	MR. KETAN C. PATIL	Male	28				OFFICER		19-06-2023	Fit For Job				
48	2196	MR. AKSHAY S. KAMBLE	Male	28				OFFICER		20-06-2023	Fit For Job				
49	2203	MS. SHITAL G. SHINDE	Female	28				SCIENTIST (GRADE A)		19-06-2023	Fit For Job				
50	2213	MR. SURAJ D. CHAUDHARY	Male	28				OFFICER		21-06-2023	Fit For Job				













(See Rule 18(7) and schedules II, III, IV, VI, VII, X, XI, XII, XIV, XV, XVII, XVIII and XX Rule 114) **Innovassynth Technologies Limited****HEALTH REGISTER**

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51	2225	MR. ATUL S. SAWANT	Male	30				OFFICER		Fit For Job				
52	2238	MR. MAYUR S. PATIL	Male	32				SR. OFFICER		Fit For Job				
53	2249	MS. KAJAL A. SAYYAD	Female	30				OFFICER		Fit For Job				
54	2255	MR. ANIL S. SOMAVANSHI	Male	52				DY. MANAGER		Fit For Job				
55	2264	MR. SADANAND V. JADHAV	Male	53				DY. MANAGER		Fit For Job				
56	2269	MR. RAJESH N. THORAT	Male	39				DY. MANAGER		Fit For Job				
57	2291	MR. ROHAN S. GAWAND	Male	31				SR. OFFICER		Fit For Job				
58	2294	MR. PRASHANT V. BHOIR	Male	30				SR. OFFICER		Fit For Job				
59	2295	MR. AVISHKAR N. BHOIR	Male	29				SR. OFFICER		Fit For Job				
60	2297	MR. BAPU ABBA THOMBARE	Male	39				EXECUTIVE		Fit For Job				



डॉ. अनिता तारलेकर

कारखाने अधिनियम १९४८ च्या कलाम १८(२)

प्रमाणे रायगड जिल्हाकरिता १३ फेब्रुवारी २०२३

पासून १२ फेब्रुवारी २०२४ पर्यंत प्राधिकृत प्रमाणे



## FORM No. 7

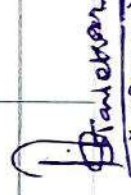
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61	2302	MR. JOTIRAM K. PHUGE	Male	35				SR. OFFICER		19-06-2023	Fit For Job				
62	2308	MR. PAWAN K. RAUT	Male	30				OFFICER		21-06-2023	Fit For Job				
63	2311	MR. MANSING R. GIRASE	Male	42				DY. MANAGER		19-06-2023	Fit For Job				
64	2319	MR. SANDIP R. SODNAR	Male	27				SCIENTIST GRADE A		19-06-2023	Fit For Job				
65	2337	MR. ABHJEET A. DHANAVDE	Male	46				DY. MANAGER		19-06-2023	Fit For Job				
66	2348	MR. PRASHANT D. POTPHODE	Male	32				OFFICER		20-06-2023	Fit For Job				
67	2349	MS. JAGRUTI N. PATIL	Female	30				SCIENTIST (GRADE A)		19-06-2023	Fit For Job				
68	2366	MR. MITHUN M. GHARAT	Male	35				EXECUTIVE		19-06-2023	Fit For Job				
69	2373	MR. KAPIL V. JADHAV	Male	37				SR.OFFICER		19-06-2023	Fit For Job				
70	2378	MR. SHRIRAM T. MORE	Male	41				SR. MANAGER		19-06-2023	Fit For Job				



डॉ. अनिता तारलेकर  
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प्रमाणे रायगड जिल्हाकरिता १३ फेब्रुवारी २०२३  
पासून १२ फेब्रुवारी २०२५ पर्यंत प्राधिकृत प्रमाणक  
रायगड जिल्हाकरिता २३ फेब्रुवारी २०२५

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71	2389	MR. ANIKET S. DERE	Male	29				EXECUTIVE		19-06-2023	Fit For Job				
72	2396	MR. SWAPNIL S. BATE	Male	26				OFFICER		19-06-2023	Fit For Job				
73	2404	MR. SACHIN D. SHINDE	Male	28				OFFICER		20-06-2023	Fit For Job				
74	2421	MS. DHANASHREE S. SHAHASANE	Female	28				SCIENTIST (GRADE B)		19-06-2023	Fit For Job				
75	2444	MR. VIKRAM S. KAWADE	Male	30				SR.OFFICER		20-06-2023	Fit For Job				
76	2448	MR. SACHIN P. DESHMUKH	Male	37				SR. OFFICER		21-06-2023	Fit For Job				
77	2449	MR. GANESH T. PEDATE	Male	34				SR.OFFICER		19-06-2023	Fit For Job				
78	2450	MS. SWAPNALI V. PARANGE	Female	24				JR.RESEARCH ASSOCIATE		19-06-2023	Fit For Job				
79	2456	MR. ASHOK B. MANE	Male	28				OFFICER		19-06-2023	Fit For Job				
80	2465	MR. SHAHAJI T. PAWAR	Male	32				OFFICER		19-06-2023	Fit For Job				

डॉ. अनिता तारलेकर

कारखाने अधिनियम १९४८ च्या कलाम १०(२)

प्रमाणे सायगड जिल्हाकारिता १३ फेब्रुवारी २०२३

पासून १२ फेब्रुवारी २०२४ पर्यंत प्राधिकृत प्रमाणक

शाल्य चिकीत्सक डॉ. ACS २५६१०७५६



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Certifying Surgeon Regn. No 62100

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81	2471	MR. VIPUL S. MORE	Male	35				SR. OFFICER		21-06-2023	Fit For Job				
82	2473	MR. SWAPNIL B. KANGUDE	Male	25				OFFICER		20-06-2023	Fit For Job				
83	2474	MR. TEJAS D. MISAL	Male	26				OFFICER		20-06-2023	Fit For Job				
84	2477	MR. VITTHAL D. GOPHANE	Male	33				EXECUTIVE		19-06-2023	Fit For Job				
85	2478	MR. SUMIT S. JADHAV	Male	30				SR.OFFICER		20-06-2023	Fit For Job				
86	2480	MR. PANKAJ S. CHAVAN	Male	28				OFFICER		19-06-2023	Fit For Job				
87	2490	MR. SHRIPAD P. TIKONE	Male	30				OFFICER		19-06-2023	Fit For Job				
88	2491	MR. KESHAV S. KAKDE	Male	30				SR.OFFICER		20-06-2023	Fit For Job				
89	2498	MR. GANESH A. MUNDHE	Male	31				OFFICER		19-06-2023	Fit For Job				
90	2499	MR. SAGAR C. PANDIT	Male	34				SR.OFFICER		19-06-2023	Fit For Job				

डॉ. अनिता तारळेकर  
कारखाने अधिनियम १९४८ च्या कलाम १०(२)  
प्रमाणे रायगड जिल्ह्याकरिता १३ फेब्रुवारी २०२३  
पासून १२ फेब्रुवारी २०२४ पर्यंत प्राधिकृत प्रमाणक

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### HEALTH REGISTER

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Name Of Certifying Surgeon (a): **Dr. Anita Tardekar (M.D., AFTH)**

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To: **20-06-2024**

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91	2500	MR. AKASH B. KHANDAGALE	Male	25				JR.SCIENTIST		19-06-2023	Fit For Job				
92	2518	MR. MAYUR D. PINJAN	Male	27				OFFICER		21-06-2023	Fit For Job				
93	2525	MR. ANIKET A. KARNUK	Male	25				OFFICER		20-06-2023	Fit For Job				
94	2533	MR. PRAMOD R. SHARMA	Male	32				DY. MANAGER		19-06-2023	Fit For Job				
95	2536	MR. MAHESH D. BHAT	Male	32				SR. OFFICER		21-06-2023	Fit For Job				
96	2539	MR. TUSHAR R. KATORE	Male	29				OFFICER		19-06-2023	Fit For Job				
97	2541	MR. OMKAR V. RAYANAK	Male	27				OFFICER		19-06-2023	Fit For Job				
98	2549	MR. PRATISH R. PATIL	Male	30				OFFICER		21-06-2023	Fit For Job				
99	2553	MR. BALU M. BHANGARE	Male	30				SR. OFFICER		21-06-2023	Fit For Job				
100	2558	MR. MARUTI K. DHANAWADE	Male	30				OFFICER		21-06-2023	Fit For Job				



डॉ. अनिता तारदेकर

कारखाने अधिनियम १९४८ च्या कलाम १३(१)

प्रमाणे रायगड जिल्ह्याकरिता १३ फेब्रुवारी २०२३

पासून १२ फेब्रुवारी २०२५ पर्यंत प्राधिकृत प्रमाणक



**HEALTH REGISTER**

(In respect of person employed in occupations declared to be dangerous operations under section 87).

Name Of Certifying Surgeon (a): **Dr. Anita Tarlekar(M.D.,AFIH)**  
Certifying Surgeon Regn. No 62100From: **19-06-2023**To **20-06-2024**

From:

To

Sr No	Employee No	Name of Worker	Sex	Age	Date Of Employment of present work	Date Of leaving or transfer to other work	Reason for leaving transfer or discharge	Nature of job or occupation	Raw Material or bye product handled	Dates Of medical Examination by certifying surgeon and result of medical examination	Result Of Medical Examination Physician Remark	If suspended from work state period of suspension with detailed reason	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with date certifying Surgeon
101	2562	MS. ROHINI A. KHANDAGALE	Female	26				OFFICER		20-06-2023	Fit For Job				
102	2563	MR. VASTAD B. BANGAR	Male	29				SR.OFFICER		19-06-2023	Fit For Job				
103	2565	MR. PANDURANG B. DERE	Male	46				MANAGER		20-06-2023	Fit For Job				
104	2569	MR. HARISH R. RASAL	Male	26				OFFICER		21-06-2023	Fit For Job				
105	2573	MR. AKASH S. RAJPUT	Male	27				OFFICER		20-06-2023	Fit For Job				
106	2574	MR. RAHUL R. CHAVAN	Male	23				OFFICER		21-06-2023	Fit For Job				
107	2585	MR. KIRAN P. BIDGAR	Male	24				JR. SCIENTIFIC OFFICER		20-06-2023	Fit For Job				
108	2586	MR. SAMEER A. GAWADE	Male	26				SR. RESEARCH ASSOCIATE		19-06-2023	Fit For Job				
109	2589	MR. KIRAN P. KADLAG	Male	34				SR. RESEARCH ASSOCIATE		19-06-2023	Fit For Job				
110	2593	MS. ANUJA R. PATIL	Female	22				OFFICER		19-06-2023	Fit For Job				

*Dr. Anita Tarlekar*

डॉ. अनिता तारळेकर  
कारखाने अधिनियम १९४८ च्या कलाम १०(२)  
प्रमाणे रायगड जिल्ह्याकरिता १३ फेब्रुवारी २०२३  
पातून १२ फेब्रुवारी २०२५ पर्यंत प्राधिकृत प्रमाणक  
शल्य चिकीत्सक क. ACS25AT/2016

(See Rule 18(7) and schedules II, III, IV, VI, VIII, X, XI, XIII, XIV, XV, XVII, XVIII and XX Rule 114) **Innovassynth Technologies Limited****HEALTH REGISTER**

(In respect of person employed in occupations declared to be dangerous operations under section 87).

Name Of Certifying Surgeon (a): **Dr. Anita Tartekar(M.D.,AFTH)**

Certifying Surgeon Regn. No 62100

From: **19-06-2023**To **20-06-2024**

From:

To

Sr No	Employee No	Name of Worker	Sex	Age	Date Of Employment present work	Date Of leaving or transfer to other work	Reason for leaving transfer or discharge	Nature of job or occupation	Raw Material or bye product handled	Dates Of medical Examination by surgeon and result of medical examination	Result Of Medical Examination Physician Remark	If suspended from work state period of suspension with detailed reason	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with date certifying Surgeon
111	3008	MR. GANGARAM T. BHOIR	Male	56				HELPER		21-06-2023	Fit For Job				
112	3012	MR. SANTOSH A. CHAUDHARY	Male	54				ASST. FOREMAN		20-06-2023	Fit For Job				
113	3018	MR. ANIL B. DESAI	Male	49				OPERATOR		20-06-2023	Fit For Job				
114	3025	MR. JAGAN H. DESHMUKH	Male	57				OPERATOR		19-06-2023	Fit For Job				
115	3032	MR. YUWRAJ N. DHAMI	Male	51				OPERATOR		19-06-2023	Fit For Job				
116	3033	MR. SUNIL P. DHANAWADE	Male	52				OPERATOR		19-06-2023	Fit For Job				
117	3067	MR. RAFIQ DAWOOD KHARKAR	Male	55				OPERATOR		19-06-2023	Fit For Job				
118	3068	MR. ARUN S. KHARVE	Male	54				OPERATOR		21-06-2023	Fit For Job				
119	3084	MR. SHRIKANT R. MORE	Male	55				ASST. FOREMAN		21-06-2023	Fit For Job				
120	3085	MR. RAVINDRA B. NALAWADE	Male	60				OPERATOR		20-06-2023	Fit For Job				



डॉ. अनिता तारुकर

कारखाने अधिनियम १९४८ ब्या करम १०(२)

प्रमाणे रायगड जिल्हाकरिता १३ फेब्रुवारी २०२३

पासून १२ फेब्रुवारी २०२४ पर्यंत प्राधिकृत प्रमाणिक

आव्य विकीकरणक ड. AFS9KAT/2016



(See Rule 18(7) and schedules II, III, IV, VI, VIII, X, XI, XII, XIV, XV, XVII, XVIII and XX Rule 114) **Innovassynth Technologies Limited**

### HEALTH REGISTER

(In respect of person employed in occupations declared to be dangerous operations under section 87).

Name Of Certifying Surgeon (a): **Dr. Anita Tarlekar (M.D.,AFIH)**

Certifying Surgeon Regn. No 62100

From: **19-06-2023** To: **20-06-2024**

From: \_\_\_\_\_ To: \_\_\_\_\_

Sr No	Employee No	Name of Worker	Sex	Age	Date Of Employment present work	Date Of leaving or transfer to other work	Reason for leaving transfer or discharge	Nature of job or occupation	Raw Material or bye product handled	Dates Of medical Examination by certifying surgeon and result of medical examination	Result Of Medical Examination Physician Remark	If suspended from work state period of suspension with detailed reason	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with date certifying Surgeon
121	3103	MR. ANAND R. SAKPAL	Male	56				FITTER		20-06-2023	Fit For Job				
122	3120	MR. SANTOSH S. TAMBADE	Male	51				OPERATOR		21-06-2023	Fit For Job				
123	3131	MR. YOGESH V. ZEMSE	Male	57				OPERATOR		19-06-2023	Fit For Job				
124	3132	MR. SANJAY R. KUDPANE	Male	43				OPERATOR		19-06-2023	Fit For Job				
125	3134	MR. PRADEEP B. DESHMUKH	Male	43				FITTER		20-06-2023	Fit For Job				
126	36	MR. JYOTIRMOY SANTRA	Male	53				AVP		19-06-2023	Fit For Job				

Note : I certify that I examined the person mentioned above personally .

Date : From: **19-06-2023** To: **20-06-2024**

Date : Navi Mumbai



डॉ. अनिता तारळेकर  
कारखाने अधिनियम १९४८ च्या कलाम १०(२)  
प्रमाणे रायगड जिल्ह्याकरिता १३ फेब्रुवारी २०२३  
पासून १२ फेब्रुवारी २०२५ पर्यंत प्राधिकृत प्रमाणक

## **Annexure-12**

# **Details of LEDs**

### Details of LEDs

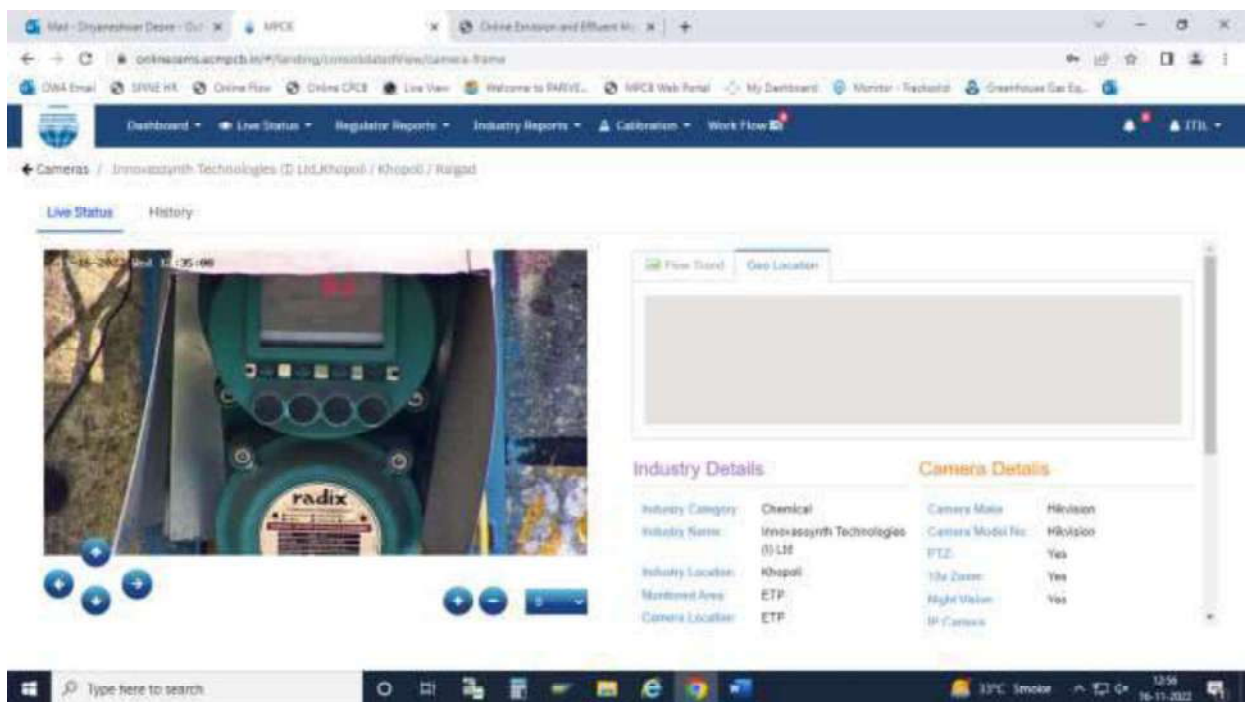
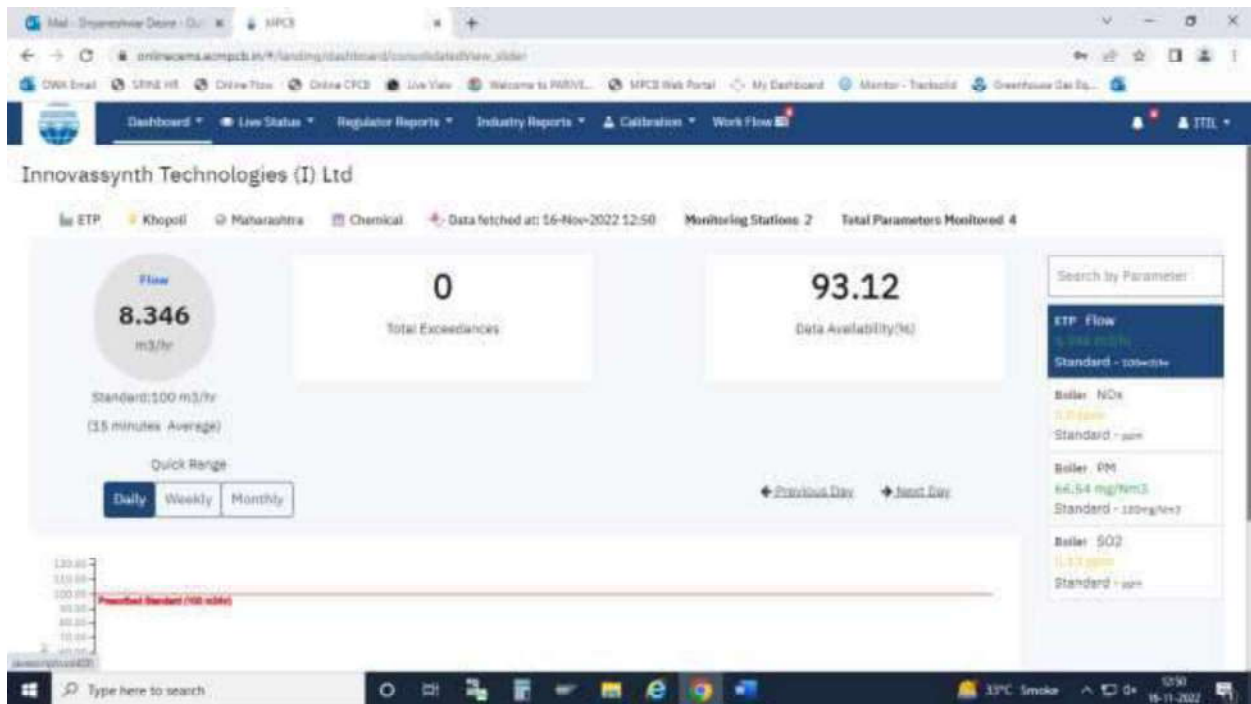
Sr no	Existing operation/practice	Implemented practice
1	Conventional tube lights used in stores and utilities.	Replaced conventional tube lights used in Stores, Hydrant room, parking, and Washrooms with LED fittings.
2	Hot water pump of R201 with energy efficient pump, thus reduced energy usage by 11 Kw/hour of operation.	Replaced hot water pump of R201 with energy efficient pump, thus reduced energy usage by 11 Kw/hour of operation.
3	In DCS control room replaced old 8T package AC (02 nos) with 2T split AC (02 nos.)	In DCS control room replaced old 8T package AC (02 nos) with 2T split AC (02 nos.)
4	Stopped using Hot water pump for dryer and started using LPS, thus saved running of 15KW motor for 10 hours every day.	Stopped using Hot water pump for dryer and started using LPS, thus saved running of 15KW motor for 10 hours every day.

## **Annexure – 13**

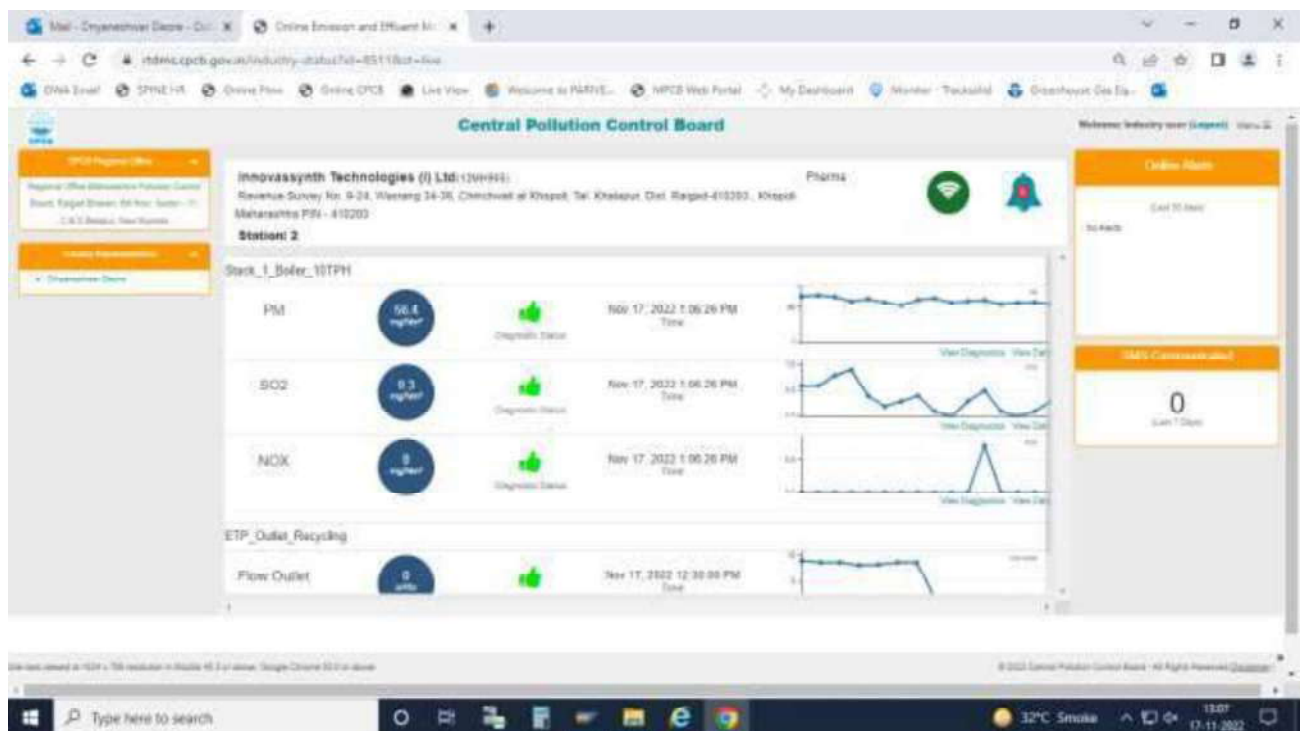
# **Online monitoring systems and MPCB login portal**

## Online Monitoring System

### 1. MPCB login Portal Screen Shot -



## 2. CPCB login portal screen shot –





## **Annexure – 14**

### **Form-4**



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

## FORM FOR FILING ANNUAL RETURNS

[ To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

**Unique Application Number:**

MPCB-HW\_ANNUAL\_RETURN-0000035652

**Submitted On:**

08-06-2023

**Industry Type :**

Generator

**Submitted for Year:**

2023

**1. Name of the generator/operator of facility**

Innovassynth Technologies (I) Ltd.

**Address of the unit/facility**

Survey No.:9-2, Wasrang 34-36, Khopoli, Tal- Khalapur, Raigad 410203

**1b. Authorization Number**

Format 1.0/CC/UAN No.0000121756/CR-2209000479 Sep 11, 2022

**Date of issue**

**Date of validity of consent**

Aug 31, 2023

**2. Name of the authorised person**

Mr. Krishna Kharde

**Full address of authorised person**

Survey No.:9-2, Wasrang 34-36, Khopoli, Tal- Khalapur, Raigad 410203

**Telephone**

7387209761

**Fax**

02192260100

**Email**

krishnakharde@innovassynth.com

**3. Production during the year (product wise), wherever applicable**

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Chemical ,Petrochemical &Electrochemical	Substituted Triazine Derivative / CG 29-1127 / 4-[4,6-bis(2,4-dimethyl phenyl) -1,3,5-triazine-2yl]-1,3 Benzenediol	826446.3720	760007	Kg/Annum
Chemical ,Petrochemical &Electrochemical	3-3 Dimethyl Cyclohexanone (DMCH)	600.0000	554.46	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-MOE N-Benzoyl Cytidine-3'-OCEPA (Amidite)	192.0000	0.145	Kg/Annum
Chemical ,Petrochemical &Electrochemical	4-HEXYL RESORCINOL	9000.0000	0.292	Kg/Annum
Chemical ,Petrochemical &Electrochemical	p-Nitro Phenyl Phosphate – Ditriss Salt OR PNPP Ditriss	120.0000	38.3	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'MOE-T OR [5'-O (4,4'-DIMETHOXY TRITYL) – 2'-O-(2-METHOXYETHYL) – THYMIDINE] (PNS)	1200.0000	0.715	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-MOE Thymidine-3'-OCEPA (Amidite)	300.0000	0.568	Kg/Annum
Chemical ,Petrochemical &Electrochemical	N – BZ – 5' – ODMT – 2' – MOE – 5 – Me – C OR (5'-O (4,4'-DIMETHOXY TRITYL)-2'-O-(2-METHOXYETHYL) N4 -BENZOYL-5-METHYL- CYTIDINE) (PNS)	1200.0000	0.667	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-MOE N-Benzoyl 5-Methyl Cytidine 3'-OCEPA (Amidite)	144.0000	0.233	Kg/Annum
Chemical ,Petrochemical &Electrochemical	2' – FU AMIDITE OR (5'-O-(4,4'-DIMETHOXY TRITYL)-2'-FLUORO URIDINE-3'-[(2-CYANOETHYL)-(N,N-DI ISOPROPYL)]-PHOSPHORAMID	300.0000	31.147	Kg/Annum

Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-Fluoro Uridine (PNS)	1200.0000	0.25	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-N-Ac-2'-Fluoro Cytidine-3'-OCEPA (Amidite)	300.0000	0.141	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-O-Dimethoxytrityl 2'-OTBDMS-N6-Benzoyl Adenosine 3'-CEPA (Amidite)	72.0000	0.33	Kg/Annum
Chemical ,Petrochemical &Electrochemical	2'-OTBDMS Uridine	1.2000	0.5	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-O-Dimethoxytrityl-2'-OTBDMS Uridine 3'-CEPA (Amidite)	72.0000	0.304	Kg/Annum
Chemical ,Petrochemical &Electrochemical	4,4'--DIMETHOXYTRITYL CHLORIDE (DMT-Cl)	24000.0000	22520.78	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT cEt N-Benzoyl Adenosine-3'-OCEPA (Amidite)	66.4000	0.155	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT cEt N-isobutryl Guanosine-3'-OCEPA (Amidite)	66.4000	0.134	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT cEt N-Benzoyl Cytidine-3'-OCEPA (Amidite)	66.4000	6.65	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT cEt N-Benzoyl 5-Methyl Cytidine-3'-OCEPA (Amidite)	66.4000	0.298	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT cEt Uridine-3'-OCEPA (Amidite)	66.4000	1.6	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT cEt Thymidine (PNS)	0.1200	0.097	Kg/Annum
Chemical ,Petrochemical &Electrochemical	E-TETRACETATE	600.0000	572.63	Kg/Annum
Chemical ,Petrochemical &Electrochemical	TAC PROTECTED NECLEOSIDE & PHOSPHORAMIDITE	30.0000	0.101	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT N-Tac deoxy Cytidine 3'-CEPA (Amidite)	30.0000	6.077	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-MOE N-Benzoyl Adenosine (PNS)	1200.0000	0.233	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-MOE N-Benzoyl Adenosine-3'-OCEPA (Amidite)	180.0000	0.334	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-MOE N-Isobutryl Guanosine-3'-OCEPA (Amidite)	84.0000	0.262	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-OMe N-Benzoyl Adenosine (PNS)	900.0000	0.08	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-OMe N-Benzoyl Adenosine-3'-OCEPA (Amidite)	300.0000	0.335	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-OMe N-isobutryl Guanosine (PNS)	900.0000	0.245	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-OMe N-isobutryl Guanosine-3'-OCEPA (Amidite)	300.0000	0.267	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-OMe N-Acetyl Cytidine (PNS)	900.0000	0.276	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-OMe N-Acetyl Cytidine-3'-OCEPA (Amidite)	300.0000	0.293	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-OMe Uridine (PNS)	900.0000	0.25	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-2'-OMe Uridine-3'-OCEPA (Amidite)	300.0000	0.522	Kg/Annum

Chemical ,Petrochemical &Electrochemical	ANETHOL	180000.0000	15801.25	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT N-Benzoyl deoxy Adenosine-3'-OCEPA (Amidite)	120.0000	0.32	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT N-isobutryl deoxy Guanosine (PNS)	120.0000	0.38	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT N-isobutryl deoxy Guanosine-3'-OCEPA (Amidite)	120.0000	0.405	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT N-Benzoyl deoxy Cytidine (PNS)	120.0000	0.73	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT N-Benzoyl deoxy Cytidine-3'-OCEPA (Amidite)	120.0000	0.058	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT N-Acetyl deoxy Cytidine-3'-OCEPA (Amidite)	120.0000	0.375	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT deoxy Thymidine (PNS)	120.0000	0.39	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT LNA N-Benzoyl Adenosine-3'-O-CEPA (Amidite)	87.7000	0.199	Kg/Annum
Chemical ,Petrochemical &Electrochemical	LNA N-DMF Guanosine (Diol)	3.0000	0.289	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT LNA N-DMF Guanosine-3'-O-CEPA (Amidite)	87.7000	0.326	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT LNA N-Benzoyl 5-Methyl Cytidine (PNS)	87.7000	0.514	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT LNA Thymidine (PNS)	87.7000	0.194	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT LNA Thymidine-3'-O-CEPA (Amidite)	87.7000	0.185	Kg/Annum
Chemical ,Petrochemical &Electrochemical	NOOTKATONE	6000.0000	5772.52	Kg/Annum
Chemical ,Petrochemical &Electrochemical	R&D Products (Intermediate chemicals)	75024.0000	8691.914	Kg/Annum
Chemical ,Petrochemical &Electrochemical	2-Isopentyl-2-Isopropyl-1,3-Dimethoxy propane (R5)	12000.0000	310.2	Kg/Annum
Chemical ,Petrochemical &Electrochemical	3G Metallocene	12000.0000	1.132	Kg/Annum
Chemical ,Petrochemical &Electrochemical	2-Cyanoethyl-N,N,N',N'-tetraisopropylphosphorodiamidite (Phos Reagent)	23400.0000	12.809	Kg/Annum
Chemical ,Petrochemical &Electrochemical	2,2 BIS [-(2INDENYL)BIPHENYL]ZICRONIUM(IV) CHLORIDE ON SILICA SUPPORT	120000.0000	3.09	Kg/Annum
Chemical ,Petrochemical &Electrochemical	9,9-bis(methoxymethyl)fluorene (FLU)	6000.0000	1113.002	Kg/Annum
Chemical ,Petrochemical &Electrochemical	2'-Fluoro-GiBu-3'-CEPA OR (5'-ODMT-2'-Fluoro-GiBu-3'-CEPA (Amidite))	300.0000	0.627	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-N6-Bz-2'-Fluoro Adenosine-3'-OCEPA (Amidite)	300.0000	28.614	Kg/Annum
Chemical ,Petrochemical &Electrochemical	5'-ODMT-N6-Bz-2'-Fluoro Adenosine (PNS)	1200.0000	27.87	Kg/Annum
Chlorates,perchlorates & peroxides	(1-Hydroxy-3-methylbutylidene)-5,5-dimethyl -1,3-cyclohexanedione (ivDde-OH)	840.0000	778.71	Kg/Annum
Chemical ,Petrochemical &Electrochemical	NPNPN / CRD6 ligand	96000.0000	2	Kg/Annum

Chemical ,Petrochemical &Electrochemical	4-(2-Chloroethyl) Morpholine Hydrochloride (CEM HCl)	20400.0000	0.03	Kg/Annum
Chemical ,Petrochemical &Electrochemical	Tris(2-carboxyethyl)phosphine hydrochloride (TCEP.HCl)	7200.0000	0.12	Kg/Annum
Chemical ,Petrochemical &Electrochemical	2'-OMe Adenosine	150.0000	5.386	Kg/Annum
Chemical ,Petrochemical &Electrochemical	2'-MOE Adenosine	150.0000	1.425	Kg/Annum
Chemical ,Petrochemical &Electrochemical	Custom Development & Scaleup	132000.0000	14222.756	MT/A

**PART A: To be filled by hazardous waste generators**

**1. Total Quantity of waste generated category wise**

Type of hazardous waste	Wate Name	Consented Quantity	Quantity	UOM
37.3 Concentration or evaporation residues	Concentraion or evaporation residue (MEE solids )	531.040	185.45	MTA
35.3 Chemical sludge from waste water treatment	Chemical Sludge from waste water treatment	297.510	113.25	MTA
20.3 Distillation residues	Distillation Residue	825.900	133.82	MTA
28.4 Off specification products	Off Specification products	4.000	0.99	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty Barrels/Containers/Liners	70.000	35.01	MTA
5.1 Used or spent oil	Used/spent oil	2.000	1.78	MTA
28.1 Process Residue and wastes	Hydrochloric Acid 30% (38.2)	1228.800	450.6	MTA
28.1 Process Residue and wastes	Sulphuric Acid 66% (38.2)	1431.600	913.279	MTA
28.1 Process Residue and wastes	Mixed Solvents (20.2)	4350.000	558.371	MTA

**2. Quantity dispatched category wise.**

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
37.3 Concentration or evaporation residues	185.45	MTA	Disposal Facility	CHWTSDF
35.3 Chemical sludge from waste water treatment	113.25	MTA	Disposal Facility	CHWTSDF
20.3 Distillation residues	133.82	MTA	Disposal Facility	CHWTSDF
28.4 Off specification products	0.99	MTA	Disposal Facility	CHWTSDF
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	35.01	MTA	Disposal Facility	Sale to authorized party/CHWTSDF
5.1 Used or spent oil	1.78	MTA	Recycler or Actual user	Sale to authorized party/CHWTSDF
28.1 Process Residue and wastes	450.6	MTA	Recycler or Actual user	Sale to authorized party/CHWTSDF
28.1 Process Residue and wastes	913.279	MTA	Recycler or Actual user	Sale to authorized party/CHWTSDF
28.1 Process Residue and wastes	558.371	MTA	Recycler or Actual user	Sale to authorized party/CHWTSDF

**3. Quantity Utilised in-house,If any**

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	0	MTA



4. Quantity in storage at the end of the year

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	0	KL/Anum

5. Quantity disposed in landfills as such and after treatment

Type	Quantity	UOM
Direct landfilling	0	KL/Anum
Landfill after treatment	0	KL/Anum

6. Quantity incinerated (if applicable)	UOM
0	KL/Anum

PART B: To be filled bt Treatment,storage, and disposal facility operators

1.Total Quantity received	UOM	State Name
NA	KL/Anum	Maharashtra

2. Quantity in stock at the beginning of the year	UOM
NA	KL/Anum

3. Quantity treated	UOM
NA	KL/Anum

4. Quantity disposed in landfills as such and after treatment

Type	Quantity	UOM
Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum

5. Quantity incinerated (if applicable)	UOM
NA	KL/Anum

6. Quantiry processed other than specified above	UOM
NA	KL/Anum

7. Quantity in storage at the end of the year.	UOM
NA	KL/Anum

PART C: To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year

Waste Name/Category	Country Name	State Name	Quantity of waste received from domestic sources	Quantity of waste imported(If any)	Units
NA	India	Maharashtra	NA	NA	KL/Anum

2. Quantity in stock at the beginning of the year

Waste Name/Category	Quantity	UOM
NA	NA	KL/Anum

3. Quantity of waste recycled or co-procesed or used

Name of Waste	Type of Waste	Quantity	UOM
NA	NA	NA	KL/Anum

4. Quantity of products dispatched (wherever applicable)

Name of product	Quantity	UOM
NA	NA	KL/Anum

5. Total quantity of waste generated

<i>Waste name/category</i>	<i>quantity</i>	<i>UOM</i>
NA	NA	KL/Anum

6. Total quantity of waste disposed

<i>Waste name/category</i>	<i>quantity</i>	<i>UOM</i>
NA	NA	KL/Anum

7. Total quantity of waste re-exported (If Applicable)

<i>Waste name/category</i>	<i>quantity</i>	<i>UOM</i>
NA	NA	KL/Anum

8. Quantity in storage at the end of the year

<i>Waste name/category</i>	<i>quantity</i>	<i>UOM</i>
NA	NA	KL/Anum

9. Quantity disposed in landfills as such and after treatment

<i>Type</i>	<i>Quantity</i>	<i>UOM</i>
Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum

10. Quantity incinerated (if applicable)

<i>UOM</i>
KL/Anum

Personal Details

<i>Place</i>	<i>Date</i>	<i>Designation</i>
Khopoli	2023-06-08	Head EHS

**Annexure – 15**

**Form-5**



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000058226

### Submitted Date

18-09-2023

## PART A

### Company Information

#### Company Name

Innovassynth Technologies (I) LTD

#### Application UAN number

1000054740

#### Address

Revenue survey No-9-24, Wasarang , 34-36,  
Chichwali At -Khopoli , Tal Khalapur , Dis -  
Raigad

#### Plot no

Survey No-9-24, Wasrang , 34-36

#### Taluka

Khalapur

#### Village

Chichwali

#### Capital Investment (In lakhs)

10813

#### Scale

LSI

#### City

Khopoli

#### Pincode

410203

#### Person Name

Mr. Krishna Kharde

#### Designation

Head-EHS

#### Telephone Number

2192260100

#### Fax Number

0

#### Email

itil@innovassynth.com

#### Region

SRO-Raigad I

#### Industry Category

Red

#### Industry Type

R22 Organic Chemicals manufacturing

#### Last Environmental statement submitted online

yes

#### Consent Number

Format1.0/CC/UAN  
No.0000121756/CR/2209000479

#### Consent Issue Date

2022-09-11

#### Consent Valid Upto

31.08.2023

#### Establishment Year

2001

#### Date of last environment statement submitted

Sep 26 2022 12:00:00:000AM

#### Industry Category Primary (STC Code) & Secondary (STC Code)

### Product Information

#### Product Name

Substituted Triazine Derivative / CG 29-1127 / 4-[4,6-bis(2,4-dimethyl phenyl) -1,3,5-triazine-2yl]-1,3 Benzenediol

#### Consent Quantity

826446.3720

#### Actual Quantity

760007

#### UOM

Kg/Annum

3-3 Dimethyl Cyclohexanone (DMCH)

600.0000

554.46

Kg/Annum

5'-ODMT-2'-MOE N-Benzoyl Cytidine-3'-OCEPA (Amidite)

192.0000

0.145

Kg/Annum

4-HEXYL RESORCINOL

9000.0000

0.292

Kg/Annum

p-Nitro Phenyl Phosphate – Ditriss Salt OR PNPP Ditriss

120.0000

38.3

Kg/Annum

5'-ODMT-2'MOE-T OR [5'-0 (4,4'-DIMETHOXY TRITYL) - 2'-0-(2- METHOXYETHYL) - THYMIDINE] (PNS)	1200.0000	0.715	Kg/Annum
5'-ODMT-2'-MOE Thymidine-3'-OCEPA (Amidite)	300.0000	0.568	Kg/Annum
N - BZ - 5' - ODMT - 2' - MOE - 5 - Me - C OR (5'-0 (4,4'- DIMETHOXY TRITYL)-2'-0-(2- METHOXYETHYL) N4 -BENZOYL-5- METHYL- CYTIDINE) (PNS)	1200.0000	0.667	Kg/Annum
5'-ODMT-2'-MOE N-Benzoyl 5-Methyl Cytidine 3'-OCEPA (Amidite)	144.0000	0.233	Kg/Annum
2' - FU AMIDITE OR (5'-0-(4,4'-DIMETHOXY TRITYL)-2'-FLUORO URIDINE-3'-[(2- CYANOETHYL)-(N,N-DI ISOPROPYL)]- PHOSPHORAMID	300.0000	31.147	Kg/Annum
5'-ODMT-2'-Fluoro Uridine (PNS)	1200.0000	0.25	Kg/Annum
5'-ODMT-N-Ac-2'-Fluoro Cytidine-3'-OCEPA (Amidite)	300.0000	0.141	Kg/Annum
5'-O-Dimethoxytrityl 2'-OTBDMS-N6-Benzoyl Adenosine 3'-CEPA (Amidite)	72.0000	0.33	Kg/Annum
2'-OTBDMS Uridine	1.2000	0.5	Kg/Annum
5'-O-Dimethoxytrityl-2'-OTBDMS Uridine 3'-CEPA (Amidite)	72.0000	0.304	Kg/Annum
4,4'--DIMETHOXYTRITYL CHLORIDE (DMT-Cl)	24000.0000	22520.78	Kg/Annum
5'-ODMT cEt N-Benzoyl Adenosine-3'-OCEPA (Amidite)	66.4000	0.155	Kg/Annum
5'-ODMT cEt N-isobutryl Guanosine-3'-OCEPA (Amidite)	66.4000	0.134	Kg/Annum
5'-ODMT cEt N-Benzoyl Cytidine-3'-OCEPA (Amidite)	66.4000	6.65	Kg/Annum
5'-ODMT cEt N-Benzoyl 5-Methyl Cytidine-3'-OCEPA (Amidite)	66.4000	0.298	Kg/Annum
5'-ODMT cEt Uridine-3'-OCEPA (Amidite)	66.4000	1.6	Kg/Annum
5'-ODMT cEt Thymidine (PNS)	0.1200	0.097	Kg/Annum
E-TETRACETATE	600.0000	572.63	Kg/Annum
TAC PROTECTED NECLEOSIDE & PHOSPHORAMIDITE	30.0000	0.101	Kg/Annum
5'-ODMT N-Tac deoxy Cytidine 3'-CEPA (Amidite)	30.0000	6.077	Kg/Annum
5'-ODMT-2'-MOE N-Benzoyl Adenosine (PNS)	1200.0000	0.233	Kg/Annum
5'-ODMT-2'-MOE N-Benzoyl Adenosine-3'-OCEPA (Amidite)	180.0000	0.334	Kg/Annum
5'-ODMT-2'-MOE N-Isobutryl Guanosine-3'-OCEPA (Amidite)	84.0000	0.262	Kg/Annum
5'-ODMT-2'-OMe N-Benzoyl Adenosine (PNS)	900.0000	0.08	Kg/Annum
5'-ODMT-2'-OMe N-Benzoyl Adenosine-3'-OCEPA (Amidite)	300.0000	0.335	Kg/Annum
5'-ODMT-2'-OMe N-isobutryl Guanosine (PNS)	900.0000	0.245	Kg/Annum
5'-ODMT-2'-OMe N-isobutryl Guanosine-3'-OCEPA (Amidite)	300.0000	0.267	Kg/Annum
5'-ODMT-2'-OMe N-Acetyl Cytidine (PNS)	900.0000	0.276	Kg/Annum
5'-ODMT-2'-OMe N-Acetyl Cytidine-3'-OCEPA (Amidite)	300.0000	0.293	Kg/Annum
5'-ODMT-2'-OMe Uridine (PNS)	900.0000	0.25	Kg/Annum
5'-ODMT-2'-OMe Uridine-3'-OCEPA (Amidite)	300.0000	0.522	Kg/Annum
ANETHOL	180000.0000	15801.25	Kg/Annum
5'-ODMT N-Benzoyl deoxy Adenosine-3'-OCEPA (Amidite)	120.0000	0.32	Kg/Annum
5'-ODMT N-isobutryl deoxy Guanosine (PNS)	120.0000	0.38	Kg/Annum
5'-ODMT N-isobutryl deoxy Guanosine-3'-OCEPA (Amidite)	120.0000	0.405	Kg/Annum
5'-ODMT N-Benzoyl deoxy Cytidine (PNS)	120.0000	0.73	Kg/Annum
5'-ODMT N-Benzoyl deoxy Cytidine-3'-OCEPA (Amidite)	120.0000	0.058	Kg/Annum
5'-ODMT N-Acetyl deoxy Cytidine-3'-OCEPA (Amidite)	120.0000	0.375	Kg/Annum
5'-ODMT deoxy Thymidine (PNS)	120.0000	0.39	Kg/Annum



5'-ODMT LNA N-Benzoyl Adenosine-3'-O-CEPA (Amidite)	87.7000	0.199	Kg/Annum
LNA N-DMF Guanosine (Diol)	3.0000	0.289	Kg/Annum
5'-ODMT LNA N-DMF Guanosine-3'-O-CEPA (Amidite)	87.7000	0.326	Kg/Annum
5'-ODMT LNA N-Benzoyl 5-Methyl Cytidine (PNS)	87.7000	0.514	Kg/Annum
5'-ODMT LNA Thymidine (PNS)	87.7000	0.194	Kg/Annum
5'-ODMT LNA Thymidine-3'-O-CEPA (Amidite)	87.7000	0.185	Kg/Annum
NOOTKATONE	6000.0000	5772.52	Kg/Annum
R&D Products (Intermediate chemicals)	75024.0000	8691.914	Kg/Annum
2-Isopentyl-2-Isopropyl-1,3-Dimethoxy propane (R5)	12000.0000	310.2	Kg/Annum
3G Metallocene	12000.0000	1.132	Kg/Annum
2-Cyanoethyl-N,N,N',N'-tetraisopropylphosphorodiamidite (Phos Reagent)	23400.0000	12.809	Kg/Annum
2,2 BIS [-(2INDENYL)BIPHENYL]ZICRONIUM(IV) CHLORIDE ON SILICA SUPPORT	120000.0000	3.09	Kg/Annum
9,9-bis(methoxymethyl)fluorene (FLU)	6000.0000	1113.002	Kg/Annum
2'-Fluoro-GiBu-3'-CEPA OR (5'-ODMT-2'-Fluoro-GiBu-3'-CEPA (Amidite))	300.0000	0.627	Kg/Annum
5'-ODMT-N6-Bz-2'-Fluoro Adenosine-3'-OCEPA (Amidite)	300.0000	28.614	Kg/Annum
5'-ODMT-N6-Bz-2'-Fluoro Adenosine (PNS)	1200.0000	27.87	Kg/Annum
(1-Hydroxy-3-methylbutylidene)-5,5-dimethyl -1,3- cyclohexanedione (ivDde-OH)	840.0000	778.71	Kg/Annum
NPNPN / CRD6 ligand	96000.0000	2	Kg/Annum
4-(2-Chloroethyl) Morpholine Hydrochloride (CEM HCl)	20400.0000	0.03	Kg/Annum
Tris(2-carboxyethyl)phosphine hydrochloride (TCEP.HCl)	7200.0000	0.12	Kg/Annum
2'-OMe Adenosine	150.0000	5.386	Kg/Annum
2'-MOE Adenosine	150.0000	1.425	Kg/Annum
Custom Development & Scaleup	132000.0000	14222.756	Kg/Annum

**By-product Information**

<b>By Product Name</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Aqueous Aluminium Chloride	1029.8	689.99	

**Part-B (Water & Raw Material Consumption)**

**1) Water Consumption in m3/day**

<b>Water Consumption for Process</b>	<b>Consent Quantity in m3/day</b>	<b>Actual Quantity in m3/day</b>
	231.10	180.70
<b>Cooling</b>	306.00	194.60
<b>Domestic</b>	37.00	34.10
<b>All others</b>	70.00	67.00
<b>Total</b>	644.10	476.40

**2) Effluent Generation in CMD / MLD**

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Trade Effluent	225.9	158	CMD
Sewage Effluent	33	27	CMD

**2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)**

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Substituted Triazine Derivative / CG 29-1127 / 4-[4,6- bis(2,4-dimethyl phenyl) -1,3,5-triazine-2yl]-1,3 Benzenediol	70.72	90.22	CMD
3-3 Dimethyl Cyclohexanone (DMCH)	0	0.044	CMD
5'-ODMT-2'-MOE N-Benzoyl Cytidine-3'-OCEPA (Amidite)	0	1.795	CMD
4-HEXYL RESORCINOL	3.85	1.443	CMD
p-Nitro Phenyl Phosphate – Ditriz Salt OR PNPP Ditriz	0	0.001	CMD
5'-ODMT-2'MOE-T OR [5'-0 (4,4'-DIMETHOXY TRITYL) – 2'-0-(2- METHOXYETHYL) – THYMIDINE] (PNS)	0	0.133	CMD
5'-ODMT-2'-MOE Thymidine-3'-OCEPA (Amidite)	0	0.133	CMD
N – BZ – 5' – ODMT – 2' – MOE – 5 – Me – C OR (5'-0 (4,4'- DIMETHOXY TRITYL)-2'-0-(2- METHOXYETHYL) N4 –BENZOYL-5- METHYL- CYTIDINE) (PNS)	0	0.116	CMD
2' – FU AMIDITE OR (5'-0-(4,4'-DIMETHOXY TRITYL)-2'-FLUORO URIDINE-3'-[(2-CYANOETHYL)-(N,N-DI ISOPROPYL)]- PHOSPHORAMID	0	0.13	CMD
4,4'--DIMETHOXYTRITYL CHLORIDE (DMT-Cl)	2.363	3.781	CMD
E-TETRACETATE	0	0.006	CMD
TAC PROTECTED NECLEOSIDE & PHOSPHORAMIDITE	0	0.378	CMD
ANETHOL	6	7.404	CMD
NOOTKATONE	0.068	0.073	CMD
R&D Products (Intermediate chemicals)	1	1	CMD
2-Isopentyl-2-Isopropyl-1,3-Dimethoxy propane (R5)	0.545	0.545	CMD
9,9-bis(methoxymethyl)fluorene (FLU)	0	0.306	CMD
2'-Fluoro-GiBu-3'-CEPA OR (5'-ODMT-2'-Fluoro-GiBu-3'-CEPA (Amidite))	0	0.081	CMD
5'-ODMT-N6-Bz-2'-Fluoro Adenosine-3'-OCEPA (Amidite)	0	0.156	CMD
(1-Hydroxy-3-methylbutylidene)-5,5-dimethyl -1,3- cyclohexanedione (ivDde-OH)	0	0.043	CMD
NPNPN / CRD6 ligand	0	0.769	CMD
4-(2-Chloroethyl) Morpholine Hydrochloride (CEM HCl)	0.487	0.487	CMD
Tris(2-carboxyethyl)phosphine hydrochloride (TCEP.HCl)	0	05.310	CMD
2'-OMe Adenosine	0	1.804	CMD
Custom Development & Scaleup	0	4.52	CMD

**3) Raw Material Consumption (Consumption of raw material per unit of product)**

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Cynuric Chloride	290.400	389.60	MT/A
Aluminium Chloride	580.40	779.20	MT/A
Resorcinol	199.650	258.15	MT/A
Xylene	335.79	451.55	MT/A
Methanol	86.72	99.90	MT/A
Heptane	111.20	127.49	MT/A
MIBK	58.04	72.20	MT/A

Sulphuric Acid	491.95	643.61	MT/A
Caustic Lye	56.72	80.99	MT/A
ACETONE	76.05	9.69	MT/A
ALUMINIUM CHLORIDE (ANH)	104.02	24.29	MT/A
ANISOLE	90.44	30.91	MT/A
DICHLOROMETHANE (MDC)	468.11	507.19	MT/A
ETHYL ACETATE	126.91	136.52	MT/A
HEXANE	247.27	243.39	MT/A
Methanol	145.71	56.102	MT/A
METHYL TERT BUTYL ETHER	71.20	20.44	MT/A
PROPIONYL CHLORIDE	68.98	7.31	MT/A
TOLUENE	53.12	54.68	MT/A
PYRIDINE	15.01	6.34	MT/A
ODCB	15.62	27.75	MT/A
Soda Ash	20.86	27.45	MT/A
HYDROCHLORIC ACID	38.21	24.70	MT/A
BENZO TRICHLORIDE	14.93	16.49	MT/A
DIMETHYL FORMAMIDE (DMF)	24.49	11.50	MT/A
N-HEPTANE [ISOMIX]- LOCAL	4.84	10.37	MT/A
SODIUM BIRCARBONATE	19.63	10.16	MT/A
SODIUM CHLORIDE FINE SALT	15.00	14.44	MT/A
SODIUM HYPOCLHORITE	18.39	11.79	MT/A

#### 4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Briquette	10950	7374.097	MT/A
HSD	5825400	132147	Ltr/A

### Part-C

#### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

##### [A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
pH	8.5	7.51	NA	NA	NA
TDS	2100	1262	NA	NA	NA
COD	250	187.5	NA	NA	NA
BOD	100	36	NA	NA	NA
Oil and Grease	10	1	NA	NA	NA
chlorides	600	567.25	NA	NA	NA
sulphates	1000	107.77	NA	NA	NA
phenols	5	1.254	NA	NA	NA

Total Residual Chlorine	1	0.15	NA	NA	NA
TAN	50	26.25	NA	NA	NA
Free Ammonical Nitrogen	4	0.1	NA	NA	NA
Phosphate	5	1.18	NA	NA	NA
Total Suspended Solids	100	10	NA	NA	NA
Cyanide	0.2	0.05	NA	NA	NA

**[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>		
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>	<b>Standard</b>	<b>Reason</b>
SPM/TPM	150	96.54	NA	NA	NA
SO2	120	33.51	NA	NA	NA

**Part-D**

**HAZARDOUS WASTES**

**1) From Process**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	2.0	1.78	MT/A
37.3 Concentration or evaporation residues	181.97	185.45	MT/A
35.3 Chemical sludge from waste water treatment	46.72	113.25	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	43.52	35.01	MT/A
28.1 Process Residue and wastes	366.69	450.6	MT/A
28.1 Process Residue and wastes	656.73	913.27	MT/A
28.1 Process Residue and wastes	665.74	558.37	MT/A
20.3 Distillation residues	87.67	133.82	MT/A
28.4 Off specification products	0	0.99	MT/A

**2) From Pollution Control Facilities**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	0	0	MT/A

**Part-E**

**SOLID WASTES**

**1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Ash from Briquette boiler	1167760	2241580	Kg/Annum

**2) From Pollution Control Facilities**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
NA	0	0	MT/A

**3) Quantity Recycled or Re-utilized within the unit**

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste			
Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	1.78	MT/A	NA
20.3 Distillation residues	133.82	MT/A	NA
37.3 Concentration or evaporation residues	185.45	MT/A	NA
35.3 Chemical sludge from waste water treatment	113.25	MT/A	NA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	35.01	MT/A	NA
28.1 Process Residue and wastes	450.6	MT/A	NA
28.1 Process Residue and wastes	913.279	MT/A	NA
28.1 Process Residue and wastes	558.371	MT/A	NA
28.4 Off specification products	0.99	MT/A	NA

2) Solid Waste			
Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	0	MT/A	NA

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	0	0	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.  
[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
For ETP	Sludge Dewatering Machine	16.2

[B] Investment Proposed for next Year		
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
For ETP	0	0

Part-I



---

**Any other particulars for improving the quality of the environment.**

**Particulars**

Innovassynth Technologies (I) LTD

**Name & Designation**

Mr. Krishna Kharde, Head-EHS

**UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000058226

**Submitted On:**

18-09-2023

**Annexure – 16**

**AAQM Reports**



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

### TEST CERTIFICATE

Page 1 of 2

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/08265
<b>M/s Innovassynth Technologies (India) Limited.</b> Old Mumbai Pune Road Mulgaon Khopoli - 421302	REPORT DATE	18/09/2023
	LAB REFERENCE NO.	HS/LAB/AA/375
	SAMPLING DATE	12&13/09/2023
	SAMPLE RECEIPT DATE	13/09/2023
	START DATE OF ANALYSIS	13/09/2023
	END DATE OF ANALYSIS	16/09/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags	--	Near Main Gate

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULTS	NAAQS LIMITS	TEST METHOD REFERENCE
01	Date of Sampling	DD/MM/YY	12&13/09/2023		
02	Test Location		Near Main Gate		
03	Time of Sampling	Hrs.	12:30		
04	Temperature (Max./Min)	Deg C	31/23		
05	Relative Humidity	% RH	75		
06	Sampling Duration	Hrs	24		
07	Particulate Matter (Size less than 10µm) PM <sub>10</sub>	µg/m <sup>3</sup>	85.13	100	IS 5182(part 23),2006
08	Particulate Matter (Size less than 2.5µm) PM <sub>2.5</sub>	µg/m <sup>3</sup>	43.12	60	CPCB Guidelines Volume – I Pg. No.15
09	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	12.90	80	IS 5182(part 2),2001, RA 2006
10	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	19.85	80	IS 5182(part 6),2006
11	Carbon Monoxide (CO) (8 Hrs)	mg/m <sup>3</sup>	0.109	2.0	IS 5182 (part 10): 1999 (Reaffirmed 2003)
12	Lead (Pb)	µg/m <sup>3</sup>	BDL	1.0	IS 5182 (Part 22) :2004
13	Ammonia (NH <sub>3</sub> )	mg/m <sup>3</sup>	BDL	0.4	CPCB Guidelines Volume – I Pg. No. 35
14	Ozone (O <sub>3</sub> ) (8 Hrs)	µg/m <sup>3</sup>	BDL	100	IS 5182(part 9),1974, RA 2009



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Page 2 of 2

15	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	BDL	05	IS 5182 (part 11): 2006
16	Benzo(a)Pyrene (BaP) Particulate phase only	ng/m <sup>3</sup>	BDL	01	CPCB Guidelines Volume – I Pg. No. 39
17	Arsenic (As)	ng/m <sup>3</sup>	BDL	06	CPCB Guidelines Volume – I Pg. No. 47
18	Nickel (Ni)	ng/m <sup>3</sup>	BDL	20	CPCB Guidelines Volume – I Pg. No. 47

**Equipment Used:** - Fine Dust Sampler, Sr.No.4709 (Polltech Make)

Date of Calibration: -10/02/2023 Next Calibration due: -09/02/2024

**REMARKS/OBSERVATIONS:** -

**NAAQS:** - National Ambient Air Quality Standards

Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009)

**BDL**-Below Detectable Level (<0.01 ppm)

For **HORIZON SERVICES**

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



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### TEST CERTIFICATE

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HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/08266
<b>M/s Innovassynth Technologies (India) Limited.</b> Old Mumbai Pune Road Mulgaon Khopoli - 421302	REPORT DATE	18/09/2023
	LAB REFERENCE NO.	HS/LAB/AA/375
	SAMPLING DATE	12&13/09/2023
	SAMPLE RECEIPT DATE	13/09/2023
	START DATE OF ANALYSIS	13/09/2023
	END DATE OF ANALYSIS	16/09/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags	--	Near OHC Colony

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULTS	NAAQS LIMITS	TEST METHOD REFERENCE
01	Date of Sampling	DD/MM/YY	12&13/09/2023		
02	Test Location		Near OHC Colony		
03	Time of Sampling	Hrs.	13:10		
04	Temperature (Max./Min)	Deg C	31/23		
05	Relative Humidity	% RH	75		
06	Sampling Duration	Hrs	24		
07	Particulate Matter (Size less than 10µm) PM <sub>10</sub>	µg/m <sup>3</sup>	91.67	100	IS 5182(part 23),2006
08	Particulate Matter (Size less than 2.5µm) PM <sub>2.5</sub>	µg/m <sup>3</sup>	46.82	60	CPCB Guidelines Volume – I Pg. No.15
09	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	10.28	80	IS 5182(part 2),2001, RA 2006
10	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	13.51	80	IS 5182(part 6),2006
11	Carbon Monoxide (CO) (8 Hrs)	mg/m <sup>3</sup>	0.199	2.0	IS 5182 (part 10): 1999 (Reaffirmed 2003)
12	Lead (Pb)	µg/m <sup>3</sup>	BDL	1.0	IS 5182 (Part 22) :2004
13	Ammonia (NH <sub>3</sub> )	mg/m <sup>3</sup>	BDL	0.4	CPCB Guidelines Volume – I Pg. No. 35
14	Ozone (O <sub>3</sub> ) (8 Hrs)	µg/m <sup>3</sup>	BDL	100	IS 5182(part 9),1974, RA 2009





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15	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	BDL	05	IS 5182 (part 11): 2006
16	Benzo(a)Pyrene (BaP) Particulate phase only	ng/m <sup>3</sup>	BDL	01	CPCB Guidelines Volume – I Pg. No. 39
17	Arsenic (As)	ng/m <sup>3</sup>	BDL	06	CPCB Guidelines Volume – I Pg. No. 47
18	Nickel (Ni)	ng/m <sup>3</sup>	BDL	20	CPCB Guidelines Volume – I Pg. No. 47

**Equipment Used:** - Fine Dust Sampler, Sr.No.20310 (Polltech Make)

Date of Calibration: -10/02/2023 Next Calibration due: -09/02/2024

**REMARKS/OBSERVATIONS:** -

**NAAQS:** - National Ambient Air Quality Standards

Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009)

**BDL**-Below Detectable Level (<0.01 ppm)

For **HORIZON SERVICES**

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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### TEST CERTIFICATE

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HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/08267
<b>M/s Innovassynth Technologies (India) Limited.</b> Old Mumbai Pune Road Mulgaon Khopoli - 421302	REPORT DATE	18/09/2023
	LAB REFERENCE NO.	HS/LAB/AA/375
	SAMPLING DATE	11&12/09/2023
	SAMPLE RECEIPT DATE	13/09/2023
	START DATE OF ANALYSIS	13/09/2023
	END DATE OF ANALYSIS	16/09/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags	--	MPP Plant

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULTS	NAAQS LIMITS	TEST METHOD REFERENCE
01	Date of Sampling	DD/MM/YY	11&12/09/2023		
02	Test Location		MPP Plant		
03	Time of Sampling	Hrs.	12:15		
04	Temperature (Max./Min)	Deg C	30/21		
05	Relative Humidity	% RH	76		
06	Sampling Duration	Hrs	24		
07	Particulate Matter (Size less than 10µm) PM <sub>10</sub>	µg/m <sup>3</sup>	73.15	100	IS 5182(part 23),2006
08	Particulate Matter (Size less than 2.5µm) PM <sub>2.5</sub>	µg/m <sup>3</sup>	34.61	60	CPCB Guidelines Volume – I Pg. No.15
09	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	12.57	80	IS 5182(part 2),2001, RA 2006
10	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	15.20	80	IS 5182(part 6),2006
11	Carbon Monoxide (CO) (8 Hrs)	mg/m <sup>3</sup>	0.099	2.0	IS 5182 (part 10): 1999 (Reaffirmed 2003)
12	Lead (Pb)	µg/m <sup>3</sup>	BDL	1.0	IS 5182 (Part 22) :2004
13	Ammonia (NH <sub>3</sub> )	mg/m <sup>3</sup>	BDL	0.4	CPCB Guidelines Volume – I Pg. No. 35
14	Ozone (O <sub>3</sub> ) (8 Hrs)	µg/m <sup>3</sup>	BDL	100	IS 5182(part 9),1974, RA 2009



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15	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	BDL	05	IS 5182 (part 11): 2006
16	Benzo(a)Pyrene (BaP) Particulate phase only	ng/m <sup>3</sup>	BDL	01	CPCB Guidelines Volume – I Pg. No. 39
17	Arsenic (As)	ng/m <sup>3</sup>	BDL	06	CPCB Guidelines Volume – I Pg. No. 47
18	Nickel (Ni)	ng/m <sup>3</sup>	BDL	20	CPCB Guidelines Volume – I Pg. No. 47

**Equipment Used:** - Fine Dust Sampler, Sr.No.20310 (Polltech Make)

Date of Calibration: -10/02/2023 Next Calibration due: -09/02/2024

**REMARKS/OBSERVATIONS:** -

**NAAQS:** - National Ambient Air Quality Standards

Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009)

**BDL**-Below Detectable Level (<0.01 ppm)

For **HORIZON SERVICES**

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



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### TEST CERTIFICATE

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HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/08268
<b>M/s Innovassynth Technologies (India) Limited.</b> Old Mumbai Pune Road Mulgaon Khopoli - 421302	REPORT DATE	18/09/2023
	LAB REFERENCE NO.	HS/LAB/AA/375
	SAMPLING DATE	11&12/09/2023
	SAMPLE RECEIPT DATE	13/09/2023
	START DATE OF ANALYSIS	13/09/2023
	END DATE OF ANALYSIS	16/09/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags	--	ETP Plant

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULTS	NAAQS LIMITS	TEST METHOD REFERENCE
01	Date of Sampling	DD/MM/YY	11&12/09/2023		
02	Test Location		ETP Plant		
03	Time of Sampling	Hrs.	12:25		
04	Temperature (Max./Min)	Deg C	30/21		
05	Relative Humidity	% RH	76		
06	Sampling Duration	Hrs	24		
07	Particulate Matter (Size less than 10µm) PM <sub>10</sub>	µg/m <sup>3</sup>	64.37	100	IS 5182(part 23),2006
08	Particulate Matter (Size less than 2.5µm) PM <sub>2.5</sub>	µg/m <sup>3</sup>	33.12	60	CPCB Guidelines Volume – I Pg. No.15
09	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	11.82	80	IS 5182(part 2),2001, RA 2006
10	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	15.27	80	IS 5182(part 6),2006
11	Carbon Monoxide (CO) (8 Hrs)	mg/m <sup>3</sup>	0.128	2.0	IS 5182 (part 10): 1999 (Reaffirmed 2003)
12	Lead (Pb)	µg/m <sup>3</sup>	BDL	1.0	IS 5182 (Part 22) :2004
13	Ammonia (NH <sub>3</sub> )	mg/m <sup>3</sup>	BDL	0.4	CPCB Guidelines Volume – I Pg. No. 35
14	Ozone (O <sub>3</sub> ) (8 Hrs)	µg/m <sup>3</sup>	BDL	100	IS 5182(part 9),1974, RA 2009



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15	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	BDL	05	IS 5182 (part 11): 2006
16	Benzo(a)Pyrene (BaP) Particulate phase only	ng/m <sup>3</sup>	BDL	01	CPCB Guidelines Volume – I Pg. No. 39
17	Arsenic (As)	ng/m <sup>3</sup>	BDL	06	CPCB Guidelines Volume – I Pg. No. 47
18	Nickel (Ni)	ng/m <sup>3</sup>	BDL	20	CPCB Guidelines Volume – I Pg. No. 47

**Equipment Used:** - Fine Dust Sampler, Sr.No.4709 (Polltech Make)

Date of Calibration: -10/02/2023 Next Calibration due: -09/02/2024

**REMARKS/OBSERVATIONS:** -

**NAAQS:** - National Ambient Air Quality Standards

Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009)

**BDL**-Below Detectable Level (<0.01 ppm)

For **HORIZON SERVICES**

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*

QF/LA/11-A

Report Ref. No.: GFL/AA/R/23/11-44 Report Date: 21.11.2023

Analysis Test Reports for Ambient Air Monitoring

Table with 4 columns: Name of the Industry, Date of Sampling, Date of Receipt of Sample, Date of Analysis Started, Sampling Plan, Sampling Method, Sample Description, Sample Collected by, Date of Analysis Completed, Sampling Location. Data includes M/s Innovassynth Technologies (India) Ltd. Khopoli, ambient air monitoring details.

Table with 5 columns: Sample Code No., GFL/AA/23/11-44, Limits, Units, Test Method. Rows include various pollutants like PM 10, PM 2.5, SO2, NOx, Ammonia, Carbon Monoxide, Benzene, Ozone, Lead, Nickel, Arsenic, Benzo(a)pyrene with their respective concentrations and limits.

Remark- ND= Not Detected

----- End of Report -----

For Goldfinch Laboratory
[Signature]
Authorized by
Neha Apte (Quality Manager)

NABL Accreditation in Process

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.



QF/LA/11-A

Report Ref. No.: GFL/AA/R/23/11-45 Report Date: 21.11.2023

Analysis Test Reports for Ambient Air Monitoring

Table with 4 columns: Name of the Industry, Date of Sampling, Date of Receipt of Sample, Date of Analysis Started, Sampling Plan, Sampling Method, Sample Description, Sample Collected by, Date of Analysis Completed, Sampling Location. Data includes M/s Innovassynth Technologies (India) Ltd. Khopoli, 07.11.2023, 09.11.2023, 10.11.2023, QF/LA/01 B - 30.10.2023, Refer test method, Ambient, Laboratory, 20.11.2023, Savroli.

Table with 5 columns: Sample Code No., GFL/AA/23/11-45, Limits, Units, Test Method. Rows include Location (Savroli), Date/Duration (07.11.2023, 1 hr. (CO, O3, Benzene & NH3) & 24 hrs (Rest of the pollutants)), PM 10, PM 2.5, SO2 conc., NOx conc., Ammonia, Carbon Monoxide, Benzene, Ozone, Lead, Nickel, Arsenic, Benzo(a)pyrene. Includes sampling methods HVS and ADS with calibration dates.

Remark- ND= Not Detected

----- End of Report -----

For Goldfinch Laboratory

Handwritten signature of Neha Apte

Authorized by
Neha Apte (Quality Manager)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

**Annexure – 17**

**Noise Reports**



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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### TEST CERTIFICATE

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HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/08278
<b>M/s Innovassynth Technologies (India) Limited.</b> Old Mumbai Pune Road Mulgaon Khopoli - 421302	REPORT DATE	18/09/2023
	LAB REFERENCE NO.	HS/LAB/AA/375
	SAMPLING DATE	12/09/2023
	SAMPLE RECEIPT DATE	13/09/2023
	START DATE OF ANALYSIS	--
	END DATE OF ANALYSIS	--
	SAMPLING REF. / SOP NO.	HS/OI/AIR/AA/21

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Noise	Horizon Services	--	--	--

### RESULTS (DAY TIME)

SR. NO.	DESCRIPTION	UNIT	RESULTS	MPCB LIMITS
	<b>TEST LOCATIONS (10:15 Hrs.)</b>			
01	Near Main Gate	dB(A)	59.6	75
02	Near Utility / Speciality Chemicals	dB(A)	67.2	75
03	Near Nucleoside 1&2	dB(A)	65.4	75
04	Near Nucleoside	dB(A)	69.2	75
05	DG Area (Near Boiler)	dB(A)	71.6	75
06	Near Boiler	dB(A)	70.0	75
07	Near Speciality Chemical 2	dB(A)	65.7	75
08	Near 1010 KVA DG (MPP)	dB(A)	62.1	75

**Instrument Used:** Digital Sound Level Meter (N520311)

**Make.** HTC Instruments

Calibration Date: 13/06/2023 Next Calibration Due: 12/06/2024

### REMARKS/OBSERVATIONS:

Noise monitoring readings are well within the limits prescribed by MPCB.

For HORIZON SERVICES

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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### TEST CERTIFICATE

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HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/08279
<b>M/s Innovassynth Technologies (India) Limited.</b> Old Mumbai Pune Road Mulgaon Khopoli - 421302	REPORT DATE	18/09/2023
	LAB REFERENCE NO.	HS/LAB/AA/375
	SAMPLING DATE	12/09/2023
	SAMPLE RECEIPT DATE	13/09/2023
	START DATE OF ANALYSIS	--
	END DATE OF ANALYSIS	--
	SAMPLING REF. / SOP NO.	HS/OI/AIR/AA/21

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Noise	Horizon Services	--	--	--

### RESULTS (NIGHT TIME)

SR. NO.	DESCRIPTION	UNIT	RESULTS	MPCB LIMITS
	<b>TEST LOCATIONS (22:00 Hrs.)</b>			
01	Near Main Gate	dB(A)	58.2	70
02	Near Utility / Speciality Chemicals	dB(A)	60.6	70
03	Near Nucleoside 1&2	dB(A)	65.0	70
04	Near Nucleoside	dB(A)	61.8	70
05	DG Area (Near Boiler)	dB(A)	68.2	70
06	Near Boiler	dB(A)	68.1	70
07	Near Speciality Chemical 2	dB(A)	60.2	70
08	Near 1010 KVA DG (MPP)	dB(A)	58.6	70

**Instrument Used:** Digital Sound Level Meter (N520311)

**Make.** HTC Instruments

Calibration Date: 13/06/2023 Next Calibration Due: 12/06/2024

### REMARKS/OBSERVATIONS:

Noise monitoring readings are well within the limits prescribed by MPCB.

For HORIZON SERVICES

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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### TEST CERTIFICATE

Page 1 of 3

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO.	HS/LAB/AA/08280
<b>M/s Innovassynth Technologies (India) Limited.</b> Old Mumbai Pune Road Mulgaon Khopoli - 421302	REPORT DATE	18/09/2023
	LAB REFERENCE NO.	HS/LAB/AA/375
	SAMPLING DATE	11/09/2023
	SAMPLE RECEIPT DATE	12/09/2023
	START DATE OF ANALYSIS	--
	END DATE OF ANALYSIS	--
	SAMPLING REF. / SOP NO.	HS/OI/AIR/AA/21

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Workzone Noise	Horizon Services	--	--	--

### RESULTS (DAY TIME)

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMIT
	<b>TEST LOCATION (13:35 Hrs.)</b>			
01	MPP GROUND FLOOR	dB(A)	67.1	90
02	MPP 1 <sup>ST</sup> FLOOR	dB(A)	70.3	90
03	MPP 2 <sup>ND</sup> FLOOR	dB(A)	71.2	90
04	PP1 1 <sup>ST</sup> FLOOR	dB(A)	73.4	90
05	SPECIALITY CHEMICAL -1	dB(A)	71.0	90
06	SPECIALITY CHEMICAL -2	dB(A)	68.9	90

**Instrument Used:** Digital Sound Level Meter (N520311)

**Make.** HTC Instruments

Calibration Date: 13/06/2023 Next Calibration Due: 12/06/2024

### REMARKS/OBSERVATION:

Noise Monitoring Results are well within the limits prescribed by the Factories Act.

For **HORIZON SERVICES**

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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### TEST CERTIFICATE

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HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO.	HS/LAB/AA/08281
<b>M/s Innovassynth Technologies (India) Limited.</b> Old Mumbai Pune Road Mulgaon Khopoli - 421302	REPORT DATE	18/09/2023
	LAB REFERENCE NO.	HS/LAB/AA/375
	SAMPLING DATE	11/09/2023
	SAMPLE RECEIPT DATE	12/09/2023
	START DATE OF ANALYSIS	--
	END DATE OF ANALYSIS	--
	SAMPLING REF. / SOP NO.	HS/OI/AIR/AA/21

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Workzone Noise	Horizon Services	--	--	--

### RESULTS (NIGHT TIME)

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMIT
	<b>TEST LOCATION (22:10 Hrs.)</b>			
01	MPP GROUND FLOOR	dB(A)	70.2	90
02	MPP 1 <sup>ST</sup> FLOOR	dB(A)	71.6	90
03	MPP 2 <sup>ND</sup> FLOOR	dB(A)	69.3	90
04	PP1 1 <sup>ST</sup> FLOOR	dB(A)	72.4	90
05	SPECIALITY CHEMICAL -1	dB(A)	60.9	90
06	SPECIALITY CHEMICAL -2	dB(A)	61.7	90

**Instrument Used:** Digital Sound Level Meter (N520311)

**Make.** HTC Instruments

Calibration Date: 13/06/2023 Next Calibration Due: 12/06/2024

### REMARKS/OBSERVATION:

Noise Monitoring Results are well within the limits prescribed by the Factories Act.

For **HORIZON SERVICES**

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



**Annexure – 18**

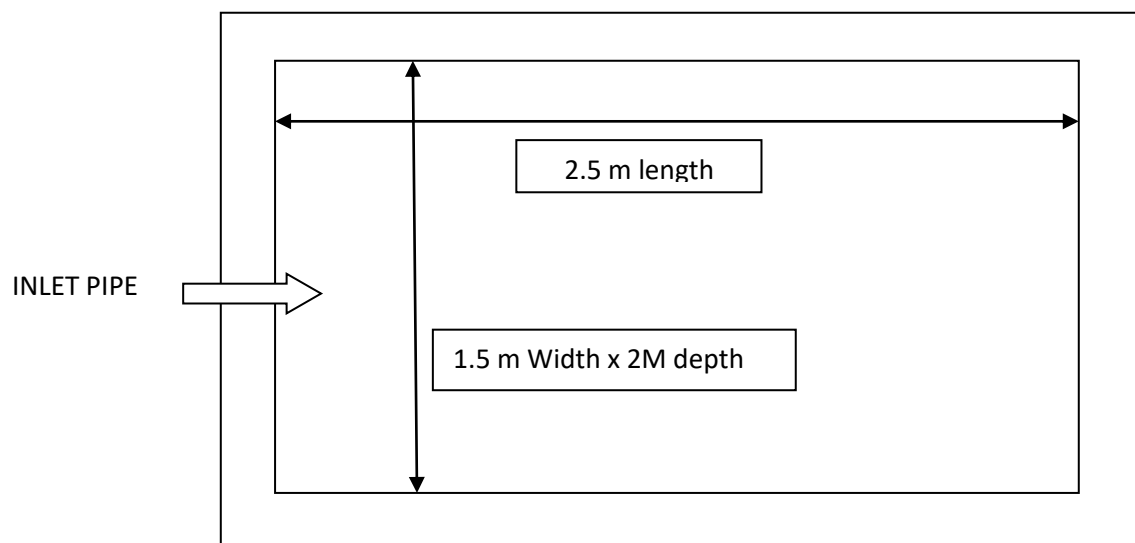
# **Rain Water harvesting**

## RAIN WATER HARVESTING

### Rain Water Harvesting Structure

SIZE 2.5 x 1.5 x 2.0 mts

Number of Rain Water Harvesting pits : 01 no



Number of Rain Water Harvesting Tank filled with Pebbel, Gravel & sand in layers.

**Annexure – 19**

**Speed post receipts**

## Innovassynth Technologies (I) Ltd. - Submission of the six monthly EC compliance report for the period October 2022 to March 2023.

Krishna Kharde <krishnakharde@INNOVASSYNTH.COM>

Mon 5/29/2023 11:17 AM

To:apccfcentral-ngp-mef@gov.in <apccfcentral-ngp-mef@gov.in>

Cc:eccompliance-mh@gov.in <eccompliance-mh@gov.in>



[EC Compliance MOEF Oct 22 to March 23 3.pdf](#)

**To,  
Deputy Director General of Forests (Central),  
West Central Zone,  
Regional Office,  
New Secretariate Building,  
Opposite VCA Ground, Civil Lines,  
Nagpur- 440001.**

**Dear Sir,**

**Subject: Expansion project of Innovassynth Technologies (I) Limited for manufacturing of Synthetic Organic Chemicals – Submission of the six monthly EC compliance report for the period October 2022 to March - 2023.**

**Ref:** Environmental Clearance File no. J-11011/20/2017-IA-II (I) dated 12<sup>th</sup> April, 2018 granted by MOEFCC, Govt. Of India.

We have received the Environment Clearance from Ministry of Environment, Forest & Climate Change (MOEFCC), Government of India on 12<sup>th</sup> April, 2018 for our Project, after that we have made compliances as per requirement.

Though the EC compliance is to be uploaded online on the Parivesh portal in line with MoEF & CC's O.M no. F. No. IAIII-22/1/2022-IA-III [ E-172624] dated 14th June 2022, **we are encountering several technical issues during the process of online uploading of the EC**

**compliance report, hence we are submitting herewith the EC compliance report for the period October 2022 to March 2023 in soft copy for your kind reference to meet the deadline of 1<sup>st</sup> June 2023.** Once the technical issues are resolved we assure you that we will upload the compliance report online on the portal

We are submitting herewith the details of our project during the period of October 2022 to March 2023

With this reference we wish to submit the details required as below:

1. Point wise compliance to stipulation as laid down by ministry along with necessary Annexures
2. Consent to Operate
3. Environmental monitoring reports enclosed as Annexures

We hope you will find same in line with your requirements.

Thanking You,

**For Innovassynth Technologies (I) Limited.**

**Authorized Signatory**

**Krishna Kharde**



Old Mumbai Pune Road

Mulgaon, Khopoli – 410203

Maharashtra, India.

Phone : +91- 2192-350243

Mobile : +91- 7387209761

**Annexure-20**

# **Advertisement in Newspaper**







Sd/-  
PRINCIPAL

## TO WHOMSOEVER IT MAY CONCERN ENVIRONMENTAL CLEARANCE

We m/s Innovassynth Technologies (I) Limited are pleased to inform that the Ministry of Environment & Climate Change Department, Government of India has accorded Environmental Clearance for expansion of Synthetic Organic Chemicals total 350 TPM of products & 2453 TPM of by products at S. No. 9-24, Wasarang 34-36, Chinchwali, Khopoli, District - Raigad, Maharashtra [File No.: J-11011/20/2017-IA-II(I)] dated 12th April 2018. The copies of clearance letter are available with the Maharashtra Pollution Control Board and also be seen at web site at <http://environmentclearance.nic.in>

The Daily English Newspaper

"INDIAN EXPRESS"

Dt: 27/04/2018

Mumbai Edition

Page No # 05







## पर्यावरणविषयक परवानगी

आम्ही मे. इनोव्हेंसिथ टेक्नॉलॉजिस (इं) लिमिटेड सर्वांना कळवू इच्छितो की, आमच्या कारखान्याचा पत्ता : सर्व्हे नं. ९-२४, वासरंग, ३४-३६ चिंचवली खोपोली असून, प्रस्तावित कृत्रिम ऑर्गॅनिक रसायने यांच्या विस्ताराबाबतच्या प्रस्तावाला एकूण उत्पादने ३५० मे. टन महिना आणि उप-उत्पादने २४५३ मे. टन महिना. (संदर्भ पत्राद्वारे J-11011/20/2017-IAII(I)) दि. १२ एप्रिल २०१८ रोजी पर्यावरणविषयक मंजूरी पर्यावरण मंत्रालय व हवामानातील बदल, भारत सरकारने दिली आहे. याची प्रत महाराष्ट्र प्रदूषण नियंत्रण मंडळाकडे मिळू शकेल, त्याचप्रमाणे इंटरनेटच्या संकेतस्थळ <http://environmentclearance.nic.in> वर पाहता येईल.

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The Daily Marathi Newspaper

" Lok Satta "

Mumbai Edition

DT: 27/04/2018

Page No # 07



## **Annexure-21**

# **Public Liability Insurance**



POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE

UIN NUMBER - IRDAN190P0076100001

Insured's Name	: INNOVASSYNTH TECHNOLOGIES (I) LTD.
<b>Insured's Details</b>	
Customer ID	: PO08520948
Address	: OLD MUMBAI PUNE ROAD KHOPOLI DIST.RAIGAD, KHOPOLI ,MAHARASHTRA, 410203
Phone No	:
E-mail/Fax	: accounts@innovassynth.com, /
PAN No	:
GSTIN/UIN	: 27AAACI8899L1ZO / NA
<b>Issuing Office Details</b>	
Office Code	: C.D.U.II (120200)
Address	: NEW INDIA CENTRE,2ND FLOOR, 17-A, COOPERAGE ROAD ,400001
Phone No	: 02222026055 / 02222830170
E-mail/Fax	: nia.120200@newindia.co.in / 02222821980
S.Tax Regn. No	: AAACN4165CST178
GSTIN	: 27AAACN4165C3ZP
SAC	: 997139 (Other non-life insurance services excl RI)

<b>Policy Details</b>			
Policy Number	: 12020036233300000002	Business Source Code	
Period of Insurance	: From: 01/06/2023 12:00:01 AM To: 31/05/2024 11:59:59 PM	Dev.Off. level/Broker/Corp. Agent/Web Aggregator/CPSC User	: DIRECT BUSINESS - (2D9382101)
Date of Proposal	: 01-Jun-23	Agent/Bancassurance/S pecified Person	:
Prev. Policy no.	: 12020036223300000004	Phone No	: NA / NA
Client Type	: Corporate	E-mail/Fax	: / /

Premium(₹)	ERF Premium(₹)	GST(₹)	Total (₹)	Total (₹ in words)	Receipt No. & Date
21684	21684	3,904	47,272	RUPEES FORTY-SEVEN THOUSAND TWO HUNDRED SEVENTY- TWO ONLY	1202008123000000050 4 - 08/06/23

Details of risk covered under current year policy:

Retroactive Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductibles	No of workmen	No of Other Employee
01/04/2011	<= 15 Crore	1	50000000	1:3	150000000	800000000	800000000	100	100	100

Retroactive Dates

Retroactive Date Details	Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductibles	No of workmen	No of Other Employee
RETROACTIVE DATE 1	01/04/2011	<=15Crore	1	50000000	1.3	15000000	80000000	80000000	100	100	100

RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Extensions under the Policy

Name of the Extension	Sub Limit of the Extension	Deductibles of the Extension
-----------------------	----------------------------	------------------------------

Signature Not  
Verified  
Digitally signed  
by JAGAT KAYEE  
PANIGRAHI  
Date: 2023.06.08  
13:31:57 IST





Special Conditions		
	NA	
Special Exclusions	NA	
Special Excess/Deductible	0	
Retroactive Dates	Date	
Retroactive date		01/04/2011

The Policy shall be subject to PUBLIC LIABILITY (Act Only) INSURANCE Policy clauses attached herewith.

Clauses	Description	
Premium and GST Details		
	Rate of Tax	Amount in INR
Premium		₹ 43,368
SGST	9	1952
CGST	9	1952
IGST	0	0

In witness whereof the undersigned being duly authorised by the Insurers and on behalf of the Insurers has (have) hereunder set his (their) hand(s) on this 08th day of June, 2023.

For and on behalf of  
The New India Assurance Company Limited

Date of Issue: 08/06/2023

Duly Constituted Attorney(s)

Stamp Duty under the Policy is ₹1

Mudrank \_\_\_\_\_ Dt. \_\_\_\_\_ consolidated Stamp Fees Paid by Pay Order Number \_\_\_\_\_ vide receipt number \_\_\_\_\_ dt. \_\_\_\_\_.

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Tax Invoice No : 12020023E0000958

IRDA Registration Number: 190  
NIA PAN NUMBER: AAACN4165C

**Annexure-22**

# **Training Record on Health & Safety**

**INNOVASSYNTH TECHNOLOGIES (I) LTD., KHOPOLI**
**TRAINING ATTENDANCE RECORD**

 Name of Topic /  
SOP:

MSDS Material Safety Data Sheet awareness

 Document No.  
(If any):

—

Date of Training:

27/04/2023

Time:

60 min

From: 15:30 To: 16:30

029

Sr. No.	Name of the Trainee	Employee Id.	Department	Designation	Signature
1	Pandurang Dese	2565	Store	Manager	DD
2	Saileshand Jadhav	2264	production	Dy. Manager	DD
3	Pranav R. Sharma	2533	PP-3/4/5	Dy. Manager	K.
4	Vipul S. More	2471	PP-3/4/5	Sr. Officer	V
5	B. D. Dhingi	1512	PP-01	Sr. Officer	PS
6	Y. V. Zensar	3131	PP-01	ASST. Foreman	YV
7	Sachin P. Deshmukh	2448	PP-3/4/5	Sr. officer	SPD
8	Mahesh M. Chaudan	2271	QA	Manager	DD
9	shrinivas .v.mahajan	52550	QA	officer	DD


Name of Trainer:

Krishna Kharde

Designation:

Dy. Manager

Sign &amp; Date:



27/04/2023



**TRAINING ATTENDANCE RECORD**

Name of Topic / SOP:	Safety Awareness		054
Document No. (If any):	Proper handling of solvents & drum		
Date of Training:	03/08/2023		
Time:	From: 02:30	To: 03:30	


Sr. No.	Name of the Trainee	Employee Id.	Department	Designation	Signature
1.	Robini Khandagale	2562	TT	Officer	<i>[Signature]</i>
2.	Dhamashree Shahrasane	2421	PD	Scientist-G	<i>[Signature]</i>
3.	Ashwini Ashok Bandal	2144	R&D	Team leader	<i>[Signature]</i>
4.	Prashant Dattaram Potphode	2348	store	officer	<i>[Signature]</i>
5.	Pranod R. Sharma	2533	PP-3/4/5	Dy. manager	<i>[Signature]</i>
6.	Mansing R. Girase	2311	PP-3/4/5	Dy. Manager	<i>[Signature]</i>
7.	Arund S. Thombare	1519	AD2	Dy. Manager	<i>[Signature]</i>
8.	Anuja R. Patil	2593	Production	officer	<i>[Signature]</i>
9.	Badave D.R.	1770	PP-3/4/5	Dy. Manager	<i>[Signature]</i>
10.	Kondilkar Pramod	2270	Engg.	manager	<i>[Signature]</i>
11.	Sandeep D. Pandeole	1757	PP-07	manager	<i>[Signature]</i>
12.	Shrikam More	2378	Production	Manager	<i>[Signature]</i>
13.	Gajendra K. Shinde	1867	production	Manager	<i>[Signature]</i>
14.	J. Santra	0036	Q.C.	A.V.P.	<i>[Signature]</i>
15.	B.D. Narute	2253	EHS	Sr. officer	<i>[Signature]</i>
		NA			

Name of Trainer:	Krishna Kharde		
Designation:	Dy. Manager	Sign & Date:	<i>[Signature]</i> 03/08/2023



Name of Topic / SOP:	Safe chemical Handling
Document No. (If any):	NA.
Date of Training:	18/08/2023
Time:	From: 14:30 To: 14:58 hrs.
Sr.	

[illegible]

Name of Trainer:	A. A. Shinde		
Designation:	Manager	Sign & Date:	 18/8/2023

Format No : SOP/OA/011-E-02-01



**TRAINING ATTENDANCE RECORD**

Name of Topic / SOP:	Safe Chemical Handling.		
Document No. (If any):	N4		
Date of Training:	24/08/2023		
Time:	From: 10:30	To: 11:00	012

Sr. No.	Name of the Trainee	Employee Id.	Department	Designation	Signature
①	Amol Shedge	54	Queens		
②	Vaibhav Ferrar	225	Queens		
③	Ashok Ferrar	61	Queens		
④	Santosh Bhoir	193	Queens		
⑤	Madhu Wak	131	Queens		
⑥	Keshav Bhanduke	123	Queens		
⑦	Kailas Gadhar	119	Queen		
⑧	Vijay Waghmare	43	Queens		
⑨	Ganesh Kadam	99	Queens		
⑩	Umesh Gadhar		Queen		
⑪	Kishor Dandekar		Queens		
⑫	Dinesh Gadhar	92	Queens		
⑬	Balaram Ruthe		Queens		
⑭	Chandrakant Wadgaonkar	80	Queens		
⑮	Bhagwan Pooar				
⑯	Shrikant Tatkare				
⑰	Chandrakant Jadhav				
⑱	Shubham Makhale				

Name of Trainer:	Prashant Potphode.		
Designation:		Sign & Date:	 24/08/2023



## **Annexure – 23**

# **Fire extinguishers**

## Fire Fighting System Details

### A) Fire Pump House No. 01: Non-BASF

1. Main Hydrant Pump : 01 No.

Make	- Mather Greaves	Type	-
Head	- meter	Capacity	- 1000 GPM
Speed	- 2300 rpm		

Motor details: -

Make	-	Frame	-
Rating	- 105 HP	Voltage	-
Current	- A	Speed	- rpm

2. Diesel Pump : 01 No.

Make	- Kirloskar	Type	- 4R 1040 NB
Head	- 80 meter	Capacity	- 137 m <sup>3</sup> /hr.
Speed	- 2300 rpm		

Motor details: -

Make	-	Frame	-
Rating	- 69 HP	Voltage	-
Current	- A	Speed	- rpm

3. Jockey Pump : 01 No.

Make	- Kirloskar	Type	- DB32/26
Head	- 70 meter	Capacity	- 3.05 LPS
Speed	- 2900 rpm		

Motor details: -

Make	-	Frame	-
Rating	- 12.5 HP	Voltage	-
Current	- A	Speed	- rpm

4. Fire hydrant tank capacity : 200 m<sup>3</sup>

### B) Fire Pump House No. 02: BASF

1. Main Hydrant Pump : 01 No.

Make	- Kirloskar	Type	- DB100/26
Head	- 70 meter	Capacity	- 47.15 LPS
Speed	- 2900 rpm		

**Motor details: -**

<b>Make</b>	- KEC	<b>Frame</b>	- KH160M
<b>Rating</b>	- 100 HP	<b>Voltage</b>	- 415.0 V
<b>Current</b>	- A	<b>Speed</b>	- rpm

**2. Diesel Pump : 01 No.**

<b>Make</b>	- Kirloskar	<b>Type</b>	- 4R 1040 NB
<b>Head</b>	- 80 meter.	<b>Capacity</b>	- 137 m <sup>3</sup> /hr
<b>Speed</b>	- 2900 rpm		

**Motor details: -**

<b>Make</b>	- KEC	<b>Frame</b>	- KH160M
<b>Rating</b>	- 69 HP	<b>Voltage</b>	- 415.0 V
<b>Current</b>	- A	<b>Speed</b>	- rpm

**3. Jockey Pump : 01 No.**

<b>Make</b>	- Kirloskar	<b>Type</b>	- DB 32/26
<b>Head</b>	- 70 meter	<b>Capacity</b>	- 3.05 LPS
<b>Speed</b>	- 2900 rpm		

**Motor details:-**

<b>Make</b>	- KEC	<b>Frame</b>	- KH160M
<b>Rating</b>	- 12.5 HP	<b>Voltage</b>	- 415.0 V
<b>Current</b>	- A	<b>Speed</b>	- rpm

**4. Fire hydrant tank capacity : 500 m<sup>3</sup>****Total Single Hydrant Post : 99****Hydrant hose pipe : 198****Total Nos. of Fire Extinguishers : 560**

DCP : 180

DP : 30

CO<sub>2</sub> : 150

ABC : 100

Mechanical Foam : 100

**AFFF Foam : 150 liters.****SCBA set : 15 Nos.**

## **Annexure-24**

# **Cost Allocation Details**



COST ALLOCATION DETAILS				
Sr. No.	Environment Component	Details based on Accounts		
		Budget	Actual	
		Amount allocated Rs. FY. 2023-24 (Apr. 2023- Sept.2023)	Capital Cost incurred ( Apr. 2023-Sept. 2023)	Recurring Cost incurred- Per Annum ( Apr. 2023-Sept. 2023)
1	Air Pollution Control	Logicon Rs. 28,01,339 /- Thermax Rs. 3,30,000/- Horizon Rs. 2,59,610	.....	Logicon Rs. 28,01,339 /-Thermax Rs. 3,30,000/- Horizon Rs. 92,395/-
2	Water Pollution Control		.....	
3	Noise Pollution Control		.....	
4	Solid & Hazardous waste	45,80,237/-	.....	39,45,613/-
5	Energy Conservation Measures	.....	.....	
6	Green Belt Development	15000/-	.....	15000/-
7	Implementation of the risk reduction & Safety measures, implementation of the HAZOP & risk assessment recommendation.	.....	.....	
8	Occupational Health	1,85,000/-	.....	1,25,200/-