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: 12th 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 29th 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 21st 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 CHWTSDF, Taloja for disposal.

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

S. No	Product	Capacity (TPM)				
		Existing	To be discontinued	To be decreased	To be increased	Total
1	4–FluoroIsoquinoline	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-phosphaphenanthrane-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-cyano ethyl N,N diisopropylamino) Phosphoramidite (dGAmidite)	0.0420	0.0420	--	--	0.0000

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'-dimethyoxytrityl)(methoxy ethyl)-cytidine	0.0833	--	--	--	0.0833
29	N-Bz-DMT-Dc (N-Benzoyl-(4,4'-Dimethyoxytrityl)-	0.0833	0.0833	--	--	0.000

	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^2 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^2 – 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^4 – BENZOYL–5-METHYL-CYTIDINE	0.0300	--	--	0.97	1.0000
46	2' – FLUORO CYTIDINE 5'-0-{4,4'-DIMETHOXY TRITYL)N^4-ACETYL-2'FLUORO CYTIDINE-3'-[C2-CYANOETHYL)-(N,N-	0.0020	0.0020	--	--	0.000

	DI ISOPROPYL)]-PHOSPHORAMIDITE					
47	2' – FU AMIDITE 5'-0-(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

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 Isourea Hemisulphat6e	2.0000	2.0000	--	--	0.00
74	Beta-Methyl Acid (BMA)	2.0000	2.0000	--	--	0.00
	Total	**100.5765**	**13.5750**	**5.4402**	**110.7451**	**192.3134**
	NEW PRODUCTS TO BE ADDED					
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	ETHYLENEDIAMINETETRAACETIC ACID METAL CHELATE SALTS	---	---	---	---	0.0030
87	SODIUM SELENITE PENTAHYDRATE	---	---	---	---	0.0030

88	2,4Dihydroxy Benzophenone	---	---	---	---	89.237
89	Peonile	---	---	---	---	19.000
90	R&D Products (Intermidiate chemicals)	---	---	---	---	0.4000
91	4,5-Dichloro pthalic 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]ZIRONIUM(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 Anastrazole intermediate	---	---	---	---	0.0083
102	3,5-Bis(2-Cyanoprop-2-yl)Toluene Anastrazole 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	BisTAcdG	---	---	---	---	0.0840
113	5'-ODMT-NiBu-deoxycytidine	---	---	---	---	0.0500

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
					Total	**157.6866**
					Grand Total	**350.00**

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
	Total	564.50	1888.50	2453.00

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 5th January, 2018. Public hearing was conducted by the Maharashtra State Pollution Control Board on 2nd 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 21st 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

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 2nd 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 16th 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

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, 15th 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, 3rd & 4th floor, Opp. Cine Planet, Sion Circle, Mumbai - 22
5. Guard File/Monitoring File/Website/Record File

12/4/2018

(S. K. Srivastava)
Scientist E

J-11011/20/2017-IA-II (I)

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पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
इंदिरा पर्यावरण भवन, जोर बाग रोड, अलिगंज, नई दिल्ली - 110003
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi - 110003