



INNOVASSYNTH

o/c

INNOVASSYNTH TECHNOLOGIES (I) LTD.

REGD. OFFICE & WORKS :
Old Mumbai - Pune Road, Khopoli 410 203,
Dist. Raigad, Maharashtra (India)
Tel.: +91 - 2192 - 260100, 262828, 263328
Fax : +91 - 2192 - 263628
email : itil@innovassynth.com
Website : www.innovassynth.com
CIN No. U24110MH2001PLC134105

ISO 9001 : 2008
BUREAU VERITAS
Certification



30th October 2018

To,
Sub-Regional Officer
Raigad Bhavan, 6th floor,
Sector - 11, C.B.D Belapur,
Navi Mumbai

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

Sub: Submission of **First Progress / status report of EC compliance** for Innovassynth Technologies (I)
Limited, Khopoli, Raigad.

Dear Sir,

We have received the Environment Clearance from Ministry of Environment & Forests & Climate
Change, Govt. Of India, on 12th April 2018 for our Project, after that we have made compliances as per
requirement.

As per the requirement herewith we are submitting **first half yearly post EC compliance report** of said
project.

Now we are pleased to submit the status of our project during the period of April 2018 to September
2018. Kindly consider it as a compliance 1st progress/ status report.

We are also attaching the acknowledgment copy of submission of EC Compliance to Regional office of
MoEFCC, Nagpur for your reference.

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

1. Current status of Project.
2. Point wise compliance to stipulation as laid down by ministry.
3. Information in form of data sheet.
4. Document enclosing copies of:
 - Copies of advertisement
 - Copy of Consent to Establish & Operate
 - EMP

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

Thanking You,

For Innovassynth Technologies (I) Limited

Vaibhav Joshi
Head - Operations
(Authorized Signatory)

19/11/2018
प्रादेशिक कार्यालय, रायगड, नवी मुंबई
म.प्र.नि. मंडळ, रायगड भवन, ६ वा मजला,
सी.बी.डी. बेलापूर, नवी मुंबई - ४००६१४



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30th October 2018

To,

Regional Officer
Maharashtra Pollution Control Board,
Raigad Bhavan, 6th floor,
Sector - 11, C.B.D Belapur,
Navi Mumbai

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

Sub: Submission of First Progress / Status report for Innovassynth Technologies (I) Limited, Khopoli,
Raigad

Respected Sir,

With reference to subject we are submitting First Progress / Status report of EC compliance for
Innovassynth Technologies (I) Limited, S No. 9-24, wasarang 34-36, Chinchwali, Khopoli, Raigad. We are
also attaching the acknowledgment copy of submission of EC Compliance to Regional office of MoEFCC,
Nagpur for your reference.

Thanking you,

For Innovassynth Technologies (I) Limited

Vaibhav Joshi
Head - Operations
(Authorized Signatory)

19/11/2018
म.प्र.नि. मंडळ, रायगड भवन, ६ वा मंजळ,
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To,
The Director,
Ministry of Environment & Forests,
Regional Office, (WCZ),
Ground Floor, East Wing,
New Secretariat Building,
Civil Lines, Nagpur – 440001

30th October 2018

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

Dear Sir,

Subject: Expansion project of Innovassynth Technologies (I) Limited for manufacturing of Synthetic Organic Chemicals – First progress/ Status Report EC Compliance

We have received the Environment Clearance from Ministry of Environment, Forest & Climate Change (MOEFCC), Government of India on 12th April, 2018 for our Project, after that we have made compliances such as – advertisement was published in local newspaper and obtained Consent to Establish & Operate from MPCB.

We are submitting herewith the details of our project during the period of April 2018 i.e., after receiving EC up to September 2018. Please consider it as a first EC compliance report.

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

1. Current status of Project.
2. Point wise compliance to stipulation as laid down by ministry.
3. Information in form of data sheet.
4. Document enclosing copies of:
 - Copies of advertisement
 - Copy of Consent to Establish & Operate
 - EMP

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

Thanking You,
For Innovassynth Technologies (I) Limited


Vaibhav Joshi

Head – Operations
(Authorized Signatory)

Encl: Soft copy of 1st six monthly EC compliance report (In CD)

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change
क्षेत्रीय कार्यालय (पश्चिम मध्य क्षेत्र)
Regional Office (Western Central Zone)
पू-तल, पूर्व खंड / Ground Floor, East Wing
नया सचिवालय भवन / New Secretariat Building
सिविल लाइन्स / Civil Lines
नागपुर / Nagpur-440 001
15/11/18

1. Present Status of Project:

- 1) We have published the advertisement of the obtained Environmental Clearance in the newspapers. Loksatta (Marathi) dated 27th April 2018 and Indian Express (English) dated 27th April 2018. We have already enclosed the copy of the same.
- 2) We have taken Consent to Establish & Consent to Operate from MPCB. We have already enclosed the copy of the same.

2. Point by Point comment on Environment Clearance letter

Sr No	Terms and conditions in EC	Compliance
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 taken consent to establishment & operate from MPCB.
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.	Project is already zero liquid discharge unit & after expansion also it remains the same.
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.	We have already taken permission from MWMLand certificate valid up to 31 st March 2020.
iv	National Emission Standard for Organic Chemicals Manufacturing Industries issued by the Ministry vide G.S.R. 608(E) dated 21 st July, 2010 and amended from time to time shall be followed.	Followed as per requirement.
v	To control source and the fugitive emission, suitable pollution control devices shall be installed to meet the prescribed norms and / or the NAAQS. The gaseous emission shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines	We have process scrubbers for process gaseous and bag filter with cyclone separator for boiler stack.
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 HTI 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	a) Reactors are provided with chilled brine condenser system. b) All the solvent pumps are provided with mechanical seals to prevent leakages. c) Condensers with sufficient HTI provided to achieve 98% recovery. d) Solvents are stored in designated area with all the safety measures. e) Proper earthing is provided to the equipment handling

	<p>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 connected with vent condensers with chilled brine circulation.</p>	<p>solvents.</p> <p>f) 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	It will not exceed 1042 cum/day.
viii	Process effluent/any wastewater shall not be allowed to mix with storm water, Storm water drain shall be passed through guard pond.	Proper storm water drains are provided at project site with 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.	All hazardous chemicals are stored in tanks, tank farms, drums, carboys etc. Flame arresters are already provided on tank farm, and solvents are 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.	All hazardous waste is sent to TSDF, MWML. (Mumbai Waste Management, Taloja)
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 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>Followed as per the requirement.</p> <p>(a) All raw materials are metered and controlled for its quantities to minimize waste.</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</p>

	(f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.	reactors. (e) Vent Condensers are provided as secondary condensers for vapour recovery. (f) High Pressure Hoses are used wherever required.
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.	We already provided greenbelt area of 80808 m ² (33% of total plot area) at project site. The site is already lush green having more than 15000 trees.
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.	As per Enterprise Social Commitment Notification (Schedule VII, Company Act), the Company has earmarked Rs. 3.825 Cr. (2.5% of expansion cost 153.00 Crores) for undertaking the ESC activities and will spend the same as and when the expansion takes place @ 2.5% of the actual project cost.
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.	For the DG sets are provided with proper stack height as per CPCB norms & acoustic enclosure.
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.	Fire fighting system is already available at project site.
xviii	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Medical checkup of the all workers are regularly done.
xix	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Proper storages of raw materials are already provided.
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.	LED lightings are already provided to minimize power requirement.

xxi	Continuous online (24x7) monitoring system for stack emission shall be installed for measurement of fuel 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.	We have already installed online monitoring system i.e. web camera with night vision capability and flow meters.
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 will submitted to MPCB and Form -5. Consent to establish & operate obtained from MPCB. (We have received the CTO & CTE from MPCB and we are strictly adhered to the stipulations, terms & conditions mentioned herein.)
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.
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.	Periodic monitoring done, reports are attached.
iv	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826(E) dated 16 th November, 2009 shall be followed.	We are regularly carryout monitoring at project site as per National Ambient Air Quality Emission Standards. Reports are attached.
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	Periodic monitoring done, reports are attached.

	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.	Rainwater harvest implemented.
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 environment management, and risk mitigation measures relating to the project shall be implemented.	The company has already complied 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 is 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.	We will do all ESC activities by involving local villages and administration.
x	The company shall undertake eco-developmental measures including community welfare measures in the project are for the overall improvement of the environment.	Noted & 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.	The company will spend 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 earmarked for above measures will 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	Noted & Agreed We have not received any suggestions and representations

	local Body and the local NGO, if any, from whom suggestions/representations, if any were received while processing the proposals.	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.	This is 1 st half yearly report.
xiv	The environmental statement for each financial year ending 31 st 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 MoEF&CC by e-mail.	Form - V will be submitted to MPCB & put on Company Website along with status of compliance of EC and also will be sent to Regional Offices of MOEF&CC by email.
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 http://moef.nic.in . 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 th April 2018 and Indian Express (English) dated 27 th April 2018.
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	We have already taken CTE & CTO from Maharashtra Pollution Control Board (MPCB).

by the concerned authorities and the date of start of the project.	We have already informed to the ministry and Regional Office of MOEF &CC about the project start up vide letter dated 04/09/2018. (Letter Attached)
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3. Information in form of Data Sheet

1. Name & Address/ Location of Project: Innovassynth Technologies(I) Limited,
S. No.9-24,wasarang 34-36,
Chinchwali, Khopoli, Raigad – 410 203,
Tel02192 – 260100, 262828, 263328

2. Clearance letter (s) / No. and date : File No. J-11011/20/2017-IA-II (I)
dated 12th April, 2018.

3. Location

(a) District (s): Raigad

(b) State (s) : Maharashtra

(c) Latitude : 18.802332 N

(d) Longitude : 73.335512 E

4. Address for Correspondence : Innovassynth Technologies (I) Limited,
OffAddress- As above

Address of Concerned Project Chief As above

Engineer (with Pin code & telephone/ : Mr. Vaibhav Joshi

Telex/ fax number)

5. Address of Executive Engineer / Manager: Mr. Macchindra Waphare
with pin code / Fax.no Innovassynth Technologies (I) Limited,
S. No. 9-24,wasarang 34-36, Chinchwali, Khopoli, Raigad.

6. Salient Features

a) About the Project : A Expansion and Introduction of New
Products in Synthetic Organic Chemicals

b) Plans of the environmental management

: Total EMP cost during operational phase

Shall be Capital cost Rs. 1377.0 lacs

Recurring cost 436.0 lacs.

7. Breakup of the project area:

a) Submergence area: Forest &: Not Applicable. Private Land.

Non – Forest

b) Others

: Not Applicable.

Sr. No	Particulars	Area (Sq. Mtr.)
1.	Admin Office	539
2.	Manufacturing Area	7427
3.	Utilities	3104
4.	Fuel storage area for utilities	274
5.	MCC room area	650
6.	Laboratory	562
7.	Raw Materials / Products Storage	5213
8.	MEE & Effluent treatment plant	1561
9.	Fire safety	907
10.	Security cabin	105
11.	Canteen	345
12.	Water works	542
13.	Parking	29385
14.	Residential area	3349
15.	Road Area	12055
16.	Open Space (For Proposed expansion)	98046
17.	Green Belt (33%) total area	80808
	Total	2,44,872

8. Breakup of the project affected population : Not Applicable.
with enumeration of those losing houses/
Dwelling units only agricultural land only,
both dwelling units & agricultural land &
landless labours /artisan : --

a) SC,ST/Adavasis : --

b) Others: --

9. Financial Details :

a) Project cost as originally planned and : Originally planned -- Rs 232.41 Crore
subsequent revised estimates and the
year of price reference

b) Allocation made for environmental : Total EMP cost during operational phase

Management plans with item wise and Capital Rs. 1377.0 lacs.
year wise break --up.

c) Benefit cost ratio/ internal rate of Return: --
and the year of assessment

d) Whether (c) includes the cost of environ- : Yes
mental management as shown
in the above

**Cost of Environmental Management Plan (EMP) during operational work in progress
(Rs. In Lakhs)**

Sl. No	Particulars	Capital Cost(Lakhs.)			Recurring Cost per year (Lakhs.)		
		Existing	Proposed	Total	Existing	Proposed	Total
1	Cost for air pollution control	40.00	76.00	116.00	02.00	06.00	08.00
2	Cost for water pollution control	227.00	660.00	887.00	68.00	110.00	178.00
3	Cost for noise pollution control (acoustic enclosure for D.G.Set)	3.50	10.00	13.5	---	---	---
4	Occupational Health	18.00	16.00	34.00	---	---	---
5	Green Belt	10.00	20.00	30.00	---	---	---
6	Solid waste management	11.5	40.00	51.50	80.00	170.00	250.00
7	ETP covering of equalization tank with scrubbing system	00.00	50.00	50.00	---	---	---
8	ETP online monitoring	00.00	20.00	20.00	---	---	---
9	Road making charges to reduce dust pollution	00.00	150.00	150.00	---	---	---
10	Racks for raw material	00.00	25.00	25.00	---	---	---
	Total	310.00	1067.00	1377.00	150.00	286.00	436.00

10. Forest Land Requirement : Not Applicable

- a) The status of approval for diversion of Forest land for non- forestry use.
- b) The status of clearing felling
- c) The status of compensatory afforestation, if any
- d) Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far

11. The status of the clear felling in non-forest : Not Applicable areas (such as submergence area of reservoir, approach roads), if any with quantitative information

12. Status of expansion : We have received following approvals and permissions

1. Environment Clearance -12.04.2018.

2. Consent to Establish -31.03.2018.

3. Consent to Operate (1st Part) - 16.08.2018.

13. Reason for the delay if the project is yet : Not Applicable to start

14. Dates of site visits

a) The dates on which the project was : F.O. visited the factory on 21.04.2018 Monitored by the Regional officer on Visit report is attached previous occasions, if any

b) The date of site visits for this monitoring : 21.04.2018 Report

Details of correspondence with project : Not Applicable authorities for obtaining action plans/ information on status of compliance to safeguards other than the routine letters for logistic support for site visits (The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently)

ABOUT THE PROJECT

Introduction: M/s. Innovassynth Technologies (I) Limited(Innovassynth) is a R&D driven chemical service company working with leading international drug discovery & Pharma companies. Innovassynth work in high end chemistry, amongst the world's top three companies producing building blocks for DNA & RNA for new generation Gene based drugs. Department of Scientific & Industrial Research (DSIR) has recognized Innovassynth as R&D company. Innovassynth has worked in innovative chemistry & produced a dye for detection of cancer for which Innovassynth has got an International Patent. Innovassynth from inception is contributing foreign exchange to the national exchequer.

We have been granted Environmental Clearance letter **File no.J-11011/20/2017-IA-II (I)** dated **12.04.2018** granted by MOEFCC, Govt. of India, for manufacturing of synthetic organic chemicals.

The details are given below in the prescribed format:

A. The Project, its application and the technology: Industrial Project

B. Project Details:

LOCATION	S. No. 9-24, wasarang 34-36, Chinchwali, Khopoli, Raigad – 410 203.		
TYPE OF PROJECT	Manufacturing of Synthetic Organic Chemicals		
OPERATION	Synthetic Organic Chemicals manufacturing		
PROJECT COST	Existing	Proposed	Total
	79.41 Cr	153.00 Cr	232.41 Cr
CAPITAL COST OF POLLUTION CONTROL (AIR, WATER & NOISE)	Existing	Proposed	Total
	270.5 Lacs.	746.0 Lacs.	1016.5 Lacs.
TOTAL AREA	2,44,872SQM		
WATER REQUIRED	Existing	Proposed	Total
	573 CMD	469 CMD	1042 CMD

TRADE EFFLUENT GENERATED	Existing	Proposed	Total
	125 CMD	172 CMD	297 CMD
DOMESTIC EFFLUENT GENERATED	Existing	Proposed	Total
	16 CMD	18 CMD	34 CMD
POWER	Existing	Proposed	Total
	2.5 MW	1.5 MW	4.0 MW
D G SET REQUIREMENT	Existing	Proposed	Total
	1000 KVA (2 nos.) 500 KVA (1 nos.)	1000 KVA (1 nos.) 1010 KVA (1 nos.)	1000 KVA (3 nos.) 1010 KVA (1 nos.) 500 KVA (1 nos.)
GASESOUS EMISSIONS FROM OTHER SOURCESS	Boiler Stack, DG		
SOLID WASTE FROM PROCESS	<ul style="list-style-type: none"> ▪ Used Spent Oil 2.0 TPA - Sale to authorized reprocessor, ▪ Distillation residue 665 TPA - Disposal to MWML. 		
SOLID WASTE FROM OTHER SOURCES	<ul style="list-style-type: none"> ▪ Distillation residue from contaminated organic solvents (solid generated from MIE) 630 TPA - Disposal to MWML, ▪ Chemical sludge containing from waste treatment plant 400 TPA - Disposal to MWML, ▪ Chemical containing residue from decontamination 4.0 TPA – Treated in own ETP, ▪ Discarded containers bags /liners 70 TPA - Disposal to MWML, ▪ Off specification chemicals 04 TPA - Off specification chemicals. 		
STATUS OF APPROVALS FROM STATUTORY BODIES	Consent to Establish & Consent to Operate are obtained from MPCB		

C. Land requirement: No additional land required. Existing plot will be utilized. Detail area statement is as given below

Sr. No	Particulars	Area (Sq. Mtr.)
1.	Admin Office	539
2.	Manufacturing Area	7427
3.	Utilities	3104
4.	Fuel storage area for utilities	274
5.	MCC room area	650
6.	Laboratory	562
7.	Raw Materials / Products Storage	5213
8.	MEE & Effluent treatment plant	1561
9.	Fire safety	907
10.	Security cabin	105
11.	Canteen	345
12.	Water works	542
13.	Parking	29385
14.	Residential area	3349
15.	Road Area	12055
16.	Open Space (For Proposed expansion)	98046
17.	Green Belt (33%) total area	80808
	Total	2,44,872

d. Water requirement

Total water consumption is 1042.00 m³/day.

The water budget for the plant is as follows:

- Domestic: 42.00 m³/ day
- Industrial Process: 257.00 m³/ day
- Cooling and Boiler: 383.00 m³/day
- Floor wash, vessel wash and Vacuum Pump: 150.00 m³/day
- Gardening: 210.00 m³/day
- TOTAL: 1042.00 m³/day**

e. Power requirement:

Total power requirement 4 MW (Existing 2.5 MW & Proposed 1.5 MW).

Non MPP Plant DG

1000 KVA DG set – 01 no.

MPP Plant DGs

500 KVA DG set – 01 no.

1000 KVA DG set – 01 no.

1010 KVA DG set – 01 no.

EXISTING ENVIRONMENTAL SETTING IMPACT IDENTIFICATION AND ASSESSMENT

a. Site Topography

Address - S. No. 9-24, wasarang 34-36, Chinchwali, Khopoli, Raigad – 410 203.

Climate - Max. Temp 35.0⁰C Min 20.8⁰C

The nearest Railways station – Khopoli at 3 km. and the nearest Airport Mumbai is at the distance of approx. 75 km from site.

b. Ambient Air Quality

During the EIA field study we had studied ambient air quality of the study area. The Ambient air quality of the existing environment setting was not affected.

c. Setting of Water Environment

Sampling and analysis of the water samples surrounding the site was carried out at the time of EIA report preparation. It was found that quality of water is in good condition.

d. Soil Quality

Sampling and analysis of the soil samples surrounding the site was carried out at the time of EIA report preparation. It was found that quality of soil is in good condition.

e. Noise Levels

We have monitored day night noise levels to check the noise levels during activities. There is no noise pollution from the plant. Therefore existing noise level is not affected.

f. Land Use pattern

Industrial:

The area where the plant is located on private land.

Natural Vegetation:

No forest area found in the vicinity.

Agriculture/Livestock: There is no agricultural activity in the vicinity of the proposed area.

g. Air Pollution Assessment:

The flue gas characteristics from the Boiler and DG set stack will be monitor regularly(Monitoring quarterly as given in Consent to Operate of MPCB).DG set will be run only at the time of power failure which is very rare.

h. Water pollution Assessment:

MEE, ETP consisting of primary, secondary and tertiary treatment provided for treatment of trade effluent to achieve Zero Liquid Discharge (ZLD).For domestic effluent sewage treatment plant of capacity 41 CMD is provided.

III. MITIGATION MEASURES:

a. Process emissions and controls

Process emissions are from Boiler and process stacks. To control the pollution air emissions are regularly monitored. If the emissions are found to be exceed the prescribed limit, corrective actions being taken accordingly.

b. Solid waste

Solid waste generated from process will be sent to CHWTSDF at Mumbai waste Management Ltd. Talaja, dist. Raigad.

c. Water pollution control

For trade effluent ETP Provided, UF, RO & MEE will be provided; Permeate from RO will be reused. For domestic STP is provided.

d. Green belt development:

Adequate green belt is available at the site.

e. Environmental Management Plan: Enclosed

For proper environmental management of the site including maintenance of all facilities outlined earlier, a staff will be trained for operation of various pollution measuring equipments during monitoring. Engineering staff for maintenance will be made available from maintenance department.

f. General safety precautions and industrial hygiene

- Fire Fighting Arrangement and Adequate numbers of fire extinguishers are provided.
- All workers has provided with safety wears like hand gloves, goggles, safety shoes, helmets etc. for protection.
- Safety relief valves will be provided wherever necessary.
- Safety belts are provided wherever necessary.
- First aid facilities with medical attention have been given to workers.

IV. ENVIRONEMNTAL IMPACT STATEMENT

1. Land Use:

Our unit is located on private land, so no agricultural activity is present in the vicinity. Thus land use pattern will not be altered except during some construction phase which may change the land use pattern temporarily.

2. River/ Water Resources:

The source of Water is Patalganga river. The permission from irrigation dept. is already obtained for water drawl. Therefore the impact on this parameter will be negligible.

3. Ground Water Resources:

No demand on ground water is considered and therefore no impact on it is anticipated.

4. Air Quality:

The process emission from the project during activity is periodically monitored. Reports of the same area attached. D.G. set emissions is monitored. Reports of the same area attached. D.G. set will operate only during power failure. Therefore the impact of proposed project on ambient air quality is minimal.

5. Solid waste:

Solid waste generated from process will be sent to CHWSTDF at Mumbai waste Management Ltd. Taloja dist. Raigad. Hence the impact is nil during operation activity.

6. Odour:

There is no odour producing activity. All manufacturing processes are established and operating.

7. Noise:

Noise would be an inevitable by-product of the operation. Innovassynth will take all mitigation measures to control noise pollution by means of adopting paved roads and proper study foundation provided for all the machines and equipment's.

8. Ecology:

No rare or endangered species of flora and fauna are present in the immediate vicinity. Thus, there is not any adverse impact on flora and fauna.

9. Human Settlement:

There are no R&R issues.

10. Infrastructure Facilities:

Infrastructure is already developed at project site.

11. Social Services:

Health, recreational and welfare services are the major areas to experience positive impact due to additional employment potential and cultural development.

12. Economic Status:

The project would provide positive impact on the economic development of the region to some extent. Finally, it is concluded that, the manufacturing of the products are started after getting consent to operate from MPCB and minimum and reversible environmental impact due to the activity.