

SAPSL/ ENVT/ 2023/144

30th Dec 2023

To
 Integrated Regional Office,
 MoEF&CC
 Additional Office Block for GPOA, 1st Floor,
 Shastri Bhawan, Haddows Road,
 Nungambakkam,
 Chennai-600006



Sub: Compliance Status Report- reg.

Ref: Environmental clearance letter No. F.No.IA-J-110011/326/2016-IA-II (I) dt. 25.07.2019.

Sir,

With reference to the above, we hereby submit the Six-month compliance report From June-2023 to Nov-2023 as follows.

S.No	EC conditions	EC compliance
1	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.	We obtained Consent To Establish on 27.11.2021. Vide Proceeding No: T6 /TNPCB /F.0377CUD /RL/CUD /W &A/2021 Dated: 27.11.2021. Copy of the CTE is attached as Annexure-1
2	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 Zero Liquid Discharge concepts have already been implemented by the exciting facility and treated water is reused for our utility make up. We assure that we will maintain the same after modification, we

		have proposed additional MEE, R.O and Biological Treatment Plant for catering the excess quantity generated after expansion.
3	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.	Presently we have authorisation valid up to 11.02.2024, we will amend the authorisation.
4	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended time to time shall be followed.	Being followed. We have installed a continuous ambient air quality monitoring station which is connected to SPCB monitoring PM10, PM2.5, SO2, NOx, Ozone.
5	Bio-briquette shall be used as fuel in the boiler in any case, Coal/lignite shall not be used as fuel in the boiler. 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	We are operating the boiler with Bio-briquette as fuel. We have provided the following APC measures to maintain the air pollution well within the norms prescribed by the Board. The proposed boiler is also operated with bio-briquette as fuel and having similar APC measures. <ul style="list-style-type: none"> • Cyclone separator and Bag filter for boiler stack • Closed conveyer belt to avoid dust emission during the fuel transit to boiler.
6	Solvent management shall be carried out as follows	The following actions were taken for the management of solvent handling in the various process operations.

	<p>a. The 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 heat transfer area (HTA) and residence time to achieve more than 95% 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 breather valves to prevent losses.</p> <p>g. All the solvent storage tanks shall relate to vent condensers with chilled brine circulation.</p>	<p>a. The identified reactors were connected to chilled brine condenser system having adequate heat transfer area and residence time.</p> <p>b. The reactors & pumps were provided with mechanical seals to avoid any leakages.</p> <p>c. The condensers are provided with sufficient heat transfer area (HTA) and residence time to achieve more than 95% recovery.</p> <p>d. Bulk storage of solvents are stored underground. PESO (Petroleum & Explosives safety Organization) licensed premises complying with all PESO safety requirements.</p> <p>e. Double earthing provided in all the electrical equipment wherever solvent handling is done.</p> <p>f. The entire plant area is declared as flame proof.</p> <p>g. Solvent storage tanks are underground to avoid vapor loss. Solvents having boiling point <45°C are connected with vent condenser having chilled brine circulation.</p>
7	Total freshwater requirement shall not exceed 610 cum/day to be met from SIPCOT water supply. Prior permission in this regard shall be obtained from the concerned regulatory authority.	Being Complied.
8	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm	All the effluent from the production block are pumped through above ground pipelines

	water from the premises shall be collected and discharged through a separate conveyance system.	directly to the ETP, hence no effluent is mixed with storm water gutter. Photo of Storm water gutter is attached as Annexure-2
9	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.	Being Complied.
10	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	Being Complied.
11	The Company shall strictly comply with the rules and guidelines under the 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.	We had obtained the clearance from Chief controller of Explosives – PESO (Petroleum & Explosives safety Organization) Nagpur for storage and usage of Hazardous chemicals and the renewal is also obtained from Chennai Transportation of Hazardous Chemicals is asper the Motor Vehicle Act (MVA), 1989.
12	Fly ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water.	Since we are using bio-briquette as boiler fuel, the fly ash generated is non-hazardous in nature. This we reused for the stabilization of Chemical sludge

	Direct exposure of workers to fly ash & dust should be avoided	generated from wastewater treatment plant.
13	<p>The company shall undertake following waste minimization measures: -</p> <ul style="list-style-type: none"> 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 vapor recovery system. f) Use of high-pressure hoses for equipment clearing to reduce wastewater generation. 	<ul style="list-style-type: none"> a) All the inputs and outputs were measured. b) Since we are manufacturing drugs and its intermediate to avoid the cross contamination, we are not using any by-products in other process. Instead, we have a state of art solvent recovery plant at site and a part of the spent solvent generated was recovered and reused in the process. c) Automated filling system provided to minimize spillage. d) Chemical transferring is carried out by pipeline through closed loop system. e) Reactor vents were connected to condenser circulated with chilled brine. f) High pressure hose cleaning is used for equipment washing in manufacturing as well as in ETP
14	The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along roadsides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department	The company has taken up green belt development activity wherever possible within the factory. To comply 33% green belt as per the CPCB guidelines, we requested SIPCOT administration to allot the land. Based on this SIPCOT

		administration has allotted 5acre land and we are maintaining 2000 saplings in this area. In addition to this we also purchased 1.3 acre SIPCOT land on the eastern side of factory, exclusively for green belt development activity. where we planted and being maintained 1000 saplings in this area. Photographs of green belt is enclosed as Annexure-10 .
15	At least 1% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	The proposal is attached as Annexure-3 .
16	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.	We are provided stack for DG as per CPCB guidelines and emissions well within the limits. All DG sets we provided acoustic enclosure. Analysis report by TNPCB is attached as Annexure-5
17	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.	Two fire hydrant stations having holding capacity of 450KL each with well-established fire hydrant network which covered entire site, this includes high elevated foam monitoring tank with foam tank/foam can/foam bladder tank. Besides this fire

		<p>detection and control provided at all electrical panel, production facility and Warehouse area.</p> <p>Dedicated fire alarm system and public announcement system provided to handle any emergency.</p>
18	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	We are conducting medical checkups for all employees on a regular basis as per the Factories Act. The report of June-2023 is attached as Annexure-4 .
19	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	<p>We have provided on-line sensors for the stacks & Ambient Air and connected to CPCB and TNPCB server.</p> <p>Web camera with night vision capability provided at flow meter of recycle water and connected to CPCB & TNPCB server.</p>
<p>General Conditions</p>		
1	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, Central Pollution Control Board, State Government, and any other statutory authority.	Noted, we will abide by the law

2	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.	We assure that we will not go for further expansion or modifications in the plant without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
3	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.	Ambient Air Quality monitoring station were located as advised by the State Pollution Control Board. Analysis report by TNPCB is attached as Annexure-5
4	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.	Being Complied.
5	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 (daytime) and 70 dBA (night time).	We are maintaining the ambient noise level is well within the limit. The report by TNPCB & MoEF approved lab is attached as Annexure-6

6	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	Rainwater Harvesting provided in non-production area. Photocopy is attached as Annexure-2
7	Training shall be imparted to all employees on the safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on a regular basis. Training to all employees in the handling of chemicals shall be imparted.	We are conducting training program for all employees including contract employees regarding the safety as well as health aspects by internal and external trainer. We also carried out periodical medical examinations for all employees as per the factories Act. The report of June-2023 is attached as Annexure-4 . Training details are attached as Annexure-7 .
8	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.	We assure that we will abide the conditions/recommendations mentioned in the EIA and risk analysis report.
9	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration.	The company is provided 56% of direct employment and 71% of indirect employment to the local community. This has a significant impact on their socio-economic conditions. Besides this we have taken various CER activities by involving local

		villagers and administration to improve their socio-economic conditions.
10	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	With support of SIPCOT administration we are planted and being maintained 2000 saplings in 5 acre OSR land of SIPCOT. We also provided classrooms and compound wall for local schools.
11	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.	We assure that we will provide the sufficient funds towards capital cost and recurring cost to implement the conditions given by MoEF&CC as well as state government. We affirmed that the fund allotted for Environmental management and Pollution control will not be diverted any other purpose.
12	A copy of the clearance letter shall be sent by the project proponent to concern 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.	Since our company is located in the SIPCOT industrial complex, public hearing is not required and hence sharing of EC to public is not applicable to us.

13	<p>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.</p>	<p>We assure that we will send the reports on the status of the implementation of the environmental protection measures along with the six-month reports to Zonal Office of MoEF&CC, CPCB and TNPCB.</p> <p>Copy of EC and six-monthly report is available on the website of the company http://solara.co.in/ehs.</p>
14	<p>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.</p>	<p>We are submitting Form-V regularly to the Board. The Form-V for the year 2022-23 is attached as Annexure-8. The latest Form-V is available on the website of the company http://solara.co.in/ehs.</p>
15	<p>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.</p>	<p>Advertisement has been made in two local newspapers and copy of the same is attached as Annexure-9.</p>

16	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.	This is an existing pharmaceutical company having valid consent for manufacturing API and intermediate. The expansion is mainly for the change in the products and capacity enhancement. The cost involved in the project is managed by internal source, no bank loan is taken for this.
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Thanking you,

Yours faithfully,

For SOLARA ACTIVE PHARMA SCIENCES LIMITED,,


S. Palanivel
Site Head

Enclosures: a.a

c.c: The Central Pollution Control Board, Bengaluru.
The Joint Chief Environmental Engineer, TNPCC, Cuddalore.
The District Environmental Engineer, TNPCC, Cuddalore.

Category of the Industry :

RED

CONSENT ORDER NO. 2106227547149 DATED: 27/11/2021.

PROCEEDINGS NO.T6/TNPCB/F.0377CUD/RL/CUD/A/2021 DATED: 27/11/2021

SUB: TNPC Board-Consent for Establishment FOR EXPANSION- I SOLARA ACTIVE PHARMA SCIENCES LIMITED , S.F. No. Survey No:167 & 168 Plot No: A-1/A,A-1/B,A-1/C,A-2/B,A-2/C,A-2/D,C8-3/C, C8-3/A & C-7/2, KUDIKADU Village, Cuddalore Taluk, Cuddalore District- for the establishment or take steps to establish the industry for Expansion under Section 21 of the Air(Prevention and control of Pollution)Act,1981, as amended in 1987 (Central Act, 14 of 1981)-Issued- Reg.

REF: 1. Board proc. No. T5/TNPCB/F.0377CUD/RL/CUD/A&W/2020 dated: 13/04/2020.
2. Application No. 27547149 date: 30/01/2021 filed for CTE(EXP) under Water and Air Acts.
3. IR.No : F.0377CUD/RL/JCEE-M/CUD/2021 dated 29/06/2021
4. Minutes of TSC meeting vide item No.188-8 date:17.11.2021.

Consent to establish or take steps to establish for Expansion is hereby granted under Section 21 of the Air (Prevention and control of Pollution) Act,1981, as amended in 1987 and the Rules and Orders made there under to

The Managing Director,
M/s . SOLARA ACTIVE PHARMA SCIENCES LIMITED

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F No.Survey No:167 & 168 Plot No: A-1/A,A-1/B,A-1/C,A-2/B,A-2/C,A-2/D,C8-3/C, C8-3/A & C-7/2,
KUDIKADU Village,
Cuddalore Taluk,
Cuddalore District.

This Consent to establish for Expansion is valid upto **March 31, 2025** , or till the industry obtains consent to operate under Section 21 of the Air (Prevention and control of Pollution) Act, 1981, as amended in 1987 whichever is earlier subject to special and general conditions enclosed.

JOSEPHINESAHAYARANI Digitally signed by JOSEPHINESAHAYARANI
Date: 2021.11.27 22:07:04 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
The Managing Director,
M/s.SOLARA ACTIVE PHARMA SCIENCES LIMITED,
SOLARA ACTIVE PHARMA SCIENCES LIMITED
201,DEVAVRATA, SECTOR 17,
VASHI NAVI MUMBAI,
Pin: 400703

Copy to:

1. The Commissioner, CUDDALORE-Panchayat Union, Cuddalore Taluk, Cuddalore District .
 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, CUDDALORE.
 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Trichirappalli.
 4. File
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SPECIAL CONDITIONS

1. This consent to establish for Expansion is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Allyl Isopropyl urea	5	TPA
2.	Apreptant	2	TPA
3.	Atorvastatin	5	TPA
4.	Azelaic acid	1	TPA
5.	Benzarone	10	TPA
6.	Bepotastine Besilate	3	TPA
7.	Blonanserin	0.5	TPA
8.	Carisoprodol	40	TPA
9.	Cebrazalone	5	TPA
10.	Celecoxib	30	TPA
11.	Chlorophenesin	5	TPA
12.	Cinacalcet Hydrochloride	1	TPA
13.	CKE	4	TPA
14.	Cobicistat	12	TPA
15.	Colesevelam	150	TPA
16.	Cycloserine	20	TPA
17.	Dabigatran Etxilate Mesylate	2	TPA
18.	Dexlanzoprzole	1	TPA
19.	Dextro polisterix	10	TPA
20.	Dextromethorphan HBr	40	TPA
21.	Dimethyl Fumarate	2	TPA
22.	Effavirenz	30	TPA
23.	Elvitegravire	12	TPA
24.	Emtricitabine	30	TPA
25.	Esomeprazole Magnesium	10	TPA
26.	Flurbiprofen / S Flurbiprofen	30	TPA
27.	Gabapentine and its intermediates	1000	TPA
28.	Ibu and intermediate aldehyde	2925	TPA
29.	Ibu Sodium	20	TPA
30.	Imidafenacin	2	TPA
31.	Indapamide	1	TPA
32.	Ketoprofen	6	TPA
33.	Lamvudine	1	TPA
34.	Lanthanum carbonate	30	TPA
35.	Lanzoprazole	1	TPA
36.	Leviteracetam	30	TPA
37.	Loxoprofen	1	TPA
38.	Lurasidone HCl	2	TPA
39.	Meprobamate	1	TPA
40.	Methohexital	0.54	TPA
41.	Milnacipran HCl	1	TPA

42.	Mirabegron	5	TPA
43.	Nabumetone	72	TPA
44.	Nevarapine	1	TPA
45.	Nizatidine	24	TPA
46.	Olanzapine	1	TPA
47.	Pantaprazole Sodium	1	TPA
48.	Pentosan Polysulfate	1	TPA
49.	Pindolol	2	TPA
50.	Pitavastatin	0.2	TPA
51.	Posaconazole	5	TPA
52.	Pregabalin	60	TPA
53.	Quinapril Hydrochloride	1	TPA
54.	Rantidine HCl Form II	420	TPA
55.	Rebamipide	50	TPA
56.	Ridane hydrobromide	10	TPA
57.	Rifaximin	3	TPA
58.	Rivaroxaban	5	TPA
59.	Roflumilast	1	TPA
60.	Rosuvastatin Calcium	10	TPA
61.	S+ Ibu Profen	20	TPA
62.	Sapropterin HCl	0.5	TPA
63.	Sev HCl	24	TPA
64.	Sev carbonate	150	TPA
65.	Sofosbovir	12	TPA
66.	Tenofovir	150	TPA
67.	Terizidone	3	TPA
68.	Ticagrelor	5	TPA
69.	Ursodiol	6	TPA
70.	Valacyclovir	12	TPA
71.	Venlafaxine HCl	40	TPA
72.	Vilazodone HCl	5	TPA
73.	Zidovidine	120	TPA
74.	Zileuton	2	TPA
75.	Ibulysinate	20	TPA
76.	Isradipine	0.1	TPA
77.	TAF	60	TPA

2. This consent to establish for Expansion is valid for establishing the facility with the below mentioned emission/noise sources along with the control measures and/or stack .Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent has to be obtained if necessary.

I Point source emission with stack :				
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm³/hr
1	Reactor Acid fume emission from production Block-III(Existing)	wo stage scrubber and Stack	13	713
2	Reactor emission from production Block-III(Existing)	scrubber and stack	12	1394
3	Reactor Acid fume emission from production Block-VA(Existing)	Two stage scrubber & Stack	24	244.7
4	Biobriquettes fired Boiler16TPH & 12 TPH(standby)- Existing	Bag filter and Mechanical dust collector	42	35000
5	DG 1000KVA - Existing	Stack	20	2353
6	DG 100KVA- Existing	Stack	20	2353
7	DG 1500KVA- Existing	Stack	20	2518
8	DG 1500 KVA-Existing	Stack	20	2518
9	Reactor Acid fume emission from production Block-IV- Proposed	Two stage scrubber & Stack	15	713
10	Reactor organic emission from production Block-IV-Proposed	Activated carbon filter and stack	15	952.6
11	Reactor Acid fume emission from Production Block- V-B & V-C-Proposed	Two stage scrubber & Stack	15	720
12	Reactor Organic emission from Production Block- V-B & V-C-Proposed	Activated carbon filter and stack	15	1295
13	Mercaptan emission from Production Block- V-C & VI-A-Proposed	Venturi Scrubber followed by two stage SS packed bed scrubber caustic scrubber followed by permanganate scrubber and stack	27	946
14	Reactor Acid fume emission from Production Block-VI A-Proposed	Two stage scrubber & Stack	15	720
15	Reactor Acid fume emission from Production Block-VI B-Proposed	wo stage scrubber & Stack	15	720
16	Reactor Acid fume emission from Production Block-VI C-Proposed	Two stage scrubber & Stack	15	720
17	Reactor organic emission from Production Block-VIA - Proposed	Activated carbon filter and stack	15	1295
18	Reactor organic emission from Production Block-VIB-Proposed	Activated carbon filter and stack	15	1295

19	Reactor organic emission from Production Block–VIC-Proposed	Activated carbon filter and stack	15	1295
20	Reactor Acid fume emission from Production Block–VII-Proposed	Reactor Acid fume emission from Production Block–VII	15	720
21	Reactor organic emission from Production Block–VII-Proposed	Activated carbon filter and stack	15	1295
22	Bio-briquette fired Thermic Fluid Heater-Proposed	Cyclomax/Bag filter with stack	20	8771
23	DG 1000KVA (standby)-Proposed	Stack	20	2518
24	DG 1500KVA (standby)-Proposed	Stack	20	2518
II Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	DG 1500KVA (2nos)	Noise	Acoustic enclosure	
2.	DG 1500 KVA (Standby)	Noise	Acoustic enclosure	
3.	DG 1000 KVA (2nos)	Noise	Acoustic enclosure	
4.	DG 1000KVA (standby)	Noise	Acoustic enclosure	

3 Special Additional Conditions:

The unit shall install the approved retrofit emission control device/equipment with at least 70% Particulate matter reduction efficiency on all DG sets with capacity of 125 KVA and above or otherwise the unit shall be shift to gas based generators within the time frame prescribed in the notification No. TNPCB/Labs/DD(L)02151/2019 dated 10.06.2020 issued by TNPCB.

4 Additional Conditions:

1. The unit shall operate and maintain the Air Pollution Control measures efficiently and continuously so that the emission shall satisfy the Emission/Ambient Air Quality standards prescribed by the Board.
2. The industry shall provide adequate air pollution control measures to the emission sources for the expansion activities as reported.
3. The unit shall adhere to the Ambient Noise Level standards prescribed by the Board.
4. The unit shall operate and maintain the online sensors provided and continuously upload the data to Care Air Centre, TamilNadu Pollution Control Board, Chennai without any interruption.
5. As per the mechanism evolved by CPCB vide letter dated 25.10.2019 for environmental management of critically and Severely Polluted Areas;
 - i. The unit shall ensure that the stack emission levels are adhered in terms of identified critical pollutants.
 - ii. The unit shall ensure the connectivity of CEMS with TNPCB and CPCB.
 - iii. Effective fugitive emission control measures should be provided in the areas such as process, transportation, packing etc.,
 - iv. The unit shall transport the materials by rail instead of road /conveyor belt instead of vehicles, wherever feasible by the unit.
 - v. The unit shall use of cleaner fuels (pet coke/furnace oil/LSHS may be avoided)
 - vi. The unit shall use the best available technology and adopt usage of Supercritical technology in place of sub-critical technology.
 - vii. The unit shall increase of green belt by 40 % of the total land area beyond the permissible requirement of 33 %, wherever feasible.
 - viii. The unit shall take suitable steps to provide green belt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.,
 - ix. The unit shall make an assessment of carrying capacity of transportation load on roads inside the industrial premises and take steps to widen road if any.
 - x. The unit shall furnish the compliance of EC conditions with third party audit every year.
6. The industry shall furnish photographs showing green belt development along with longitude and latitude co-ordinates.
7. The unit shall achieve PM: -120/mg/Nm³ in the boiler stack and Acid mist: - 40mg/Nm³ in the Process Stack as reported in the Compliance Status of Mechanism for environment Management of Critically Polluted area
8. The unit shall install additional CEMS for the proposed process stacks and connect the same to SPCB and CPCB before commissioning the plant for real time monitoring of the emission as reported.
9. The unit shall provide interlocking system so as to cease for the production, if the emission from the Ambient TVOC and HCl sensors exceeds the standards prescribed by the Care Air Centre, TNPC Board, Chennai within 3 months' time.
10. The unit shall provide Charging booth for corrosive liquid charge Powder Transferring system for charging solid material Dust Extraction system for clean room and in house monitoring of fugitive emissions using portable VOC analyser on regular basis in addition to LDAR study by External MoEF&CC approved Agency
11. The unit shall furnish time bound action plan to provide thermal oxidizer to collect and treat fugitive Volatile organic vapor .
12. The unit shall provide Wind Energy Solar Energy on or before March 2022 as reported
13. The unit shall provide rain water from roof top of canteen by the end of November 2021.
14. The unit shall furnish the authenticated proof for the amount of Rs.1.38crore (1.5times of GFA given in OM dated:01.05.2018 by MoEF&CC) spent towards the Corporate Environmental Responsibility (CER)

JOSEPHINESAHAYARANI

Digitally signed by
JOSEPHINESAHAYARANI
Date: 2021.11.27 22:08:03 +05'30'

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

GENERAL CONDITIONS

1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises.
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

JOSEPHINESAHAYARANI Digitally signed by JOSEPHINESAHAYARANI
Date: 2021.11.27 22:10:53 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

Category of the Industry :

RED

CONSENT ORDER NO. 2106127547149 DATED: 27/11/2021.

PROCEEDINGS NO.T6/TNPCB/F.0377CUD/RL/CUD/W/2021 DATED: 27/11/2021

SUB: TNPC Board-Consent for Establishment FOR EXPANSION- I SOLARA ACTIVE PHARMA SCIENCES LIMITED , S.F. No. Survey No:167 & 168 Plot No: A-1/A,A-1/B,A-1/C,A-2/B,A-2/C,A-2/D,C8-3/C, C8-3/A & C-7/2, KUDIKADU Village, Cuddalore Taluk, Cuddalore District- for the establishment or take steps to establish the industry for Expansion under Section 25 of the Water(Prevention and control of Pollution)Act,1974 , as amended in 1988 (Central Act 6 of 1974) –Issued- Reg.

REF: 1. Board proc. No. T5/TNPCB/F.0377CUD/RL/CUD/A&W/2020 dated: 13/04/2020.
2. Application No. 27547149 date: 30/01/2021 filed for CTE(EXP) under Water and Air Acts.
3. IR.No : F.0377CUD/RL/JCEE-M/CUD/2021 dated 29/06/2021
4. Minutes of TSC meeting vide item No.188-8 date:17.11.2021.

Consent to establish or take steps to establish for Expansion is hereby granted under Section 25 of the Water (Prevention and control of Pollution) Act,1974, as amended in 1988(Central Act 53 of 1988) (hereinafter referred to as 'The Act') and the Rules and Orders made there under to

The Managing Director,
M/s. SOLARA ACTIVE PHARMA SCIENCES LIMITED

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F. No.Survey No:167 & 168 Plot No: A-1/A,A-1/B,A-1/C,A-2/B,A-2/C,A-2/D,C8-3/C, C8-3/A & C-7/2,
KUDIKADU Village,
Cuddalore Taluk,
Cuddalore District.

This Consent to establish for Expansion is valid upto **March 31, 2025**, or till the industry obtains consent to operate under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 whichever is earlier subject to special and general conditions enclosed.

JOSEPHINESAHAYARANI Digitally signed by JOSEPHINESAHAYARANI
Date: 2021.11.27 22:15:33 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
The Managing Director,
M/s.SOLARA ACTIVE PHARMA SCIENCES LIMITED,
SOLARA ACTIVE PHARMA SCIENCES LIMITED
201,DEVAVRATA, SECTOR 17,
VASHI NAVI MUMBAI,
Pin: 400703

Copy to:

1. The Commissioner, CUDDALORE-Panchayat Union, Cuddalore Taluk, Cuddalore District ,
 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, CUDDALORE.
 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Trichirappalli.
 4. File
-

SPECIAL CONDITIONS

1. This consent to establish for Expansion is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Allyl Isopropyl urea	5	TPA
2.	Apreptant	2	TPA
3.	Atorvastatin	5	TPA
4.	Azelaic acid	1	TPA
5.	Benzarone	10	TPA
6.	Bepotastine Besilate	3	TPA
7.	Blonanserin	0.5	TPA
8.	Carisoprodol	40	TPA
9.	Cebrazalone	5	TPA
10.	Celecoxib	30	TPA
11.	Chlorophenesin	5	TPA
12.	Cinacalcet Hydrochloride	1	TPA
13.	CKE	4	TPA
14.	Cobicistat	12	TPA
15.	Colesevelam	150	TPA
16.	Cycloserine	20	TPA
17.	Dabigatran Etxilate Mesylate	2	TPA
18.	Dexlanzoprzole	1	TPA
19.	Dextro polisterix	10	TPA
20.	Dextromethorphan HBr	40	TPA
21.	Dimethyl Fumarate	2	TPA
22.	Effavirenz	30	TPA
23.	Elvitegravire	12	TPA
24.	Emtricitabine	30	TPA
25.	Esomeprazole Magnesium	10	TPA
26.	Flurbiprofen / S Flurbiprofen	30	TPA
27.	Gabapentine and its intermediates	1000	TPA
28.	Ibu and intermediate aldehyde	2925	TPA
29.	Ibu Sodium	20	TPA
30.	Imidafenacin	2	TPA
31.	Indapamide	1	TPA
32.	Ketoprofen	6	TPA
33.	Lamvudine	1	TPA
34.	Lanthanum carbonate	30	TPA
35.	Lanzoprazole	1	TPA
36.	Leviteracetam	30	TPA
37.	Loxoprofen	1	TPA
38.	Lurasidone HCl	2	TPA
39.	Meprobamate	1	TPA
40.	Methohexital	0.54	TPA
41.	Milnacipran HCl	1	TPA

42.	Mirabegron	5	TPA
43.	Nabumetone	72	TPA
44.	Nevarapine	1	TPA
45.	Nizatidine	24	TPA
46.	Olanzapine	1	TPA
47.	Pantaprazole Sodium	1	TPA
48.	Pentosan Polysulfate	1	TPA
49.	Pindolol	2	TPA
50.	Pitavastatin	0.2	TPA
51.	Posaconazole	5	TPA
52.	Pregabalin	60	TPA
53.	Quinapril Hydrochloride	1	TPA
54.	Rantidine HCl Form II	420	TPA
55.	Rebamipide	50	TPA
56.	Ridane hydrobromide	10	TPA
57.	Rifaximin	3	TPA
58.	Rivaroxaban	5	TPA
59.	Roflumilast	1	TPA
60.	Rosuvastatin Calcium	10	TPA
61.	S+ Ibu Profen	20	TPA
62.	Sapropterin HCl	0.5	TPA
63.	Sev HCl	24	TPA
64.	Sev carbonate	150	TPA
65.	Sofosbuvir	12	TPA
66.	Tenofovir	150	TPA
67.	Terizidone	3	TPA
68.	Ticagrelor	5	TPA
69.	Ursodiol	6	TPA
70.	Valacyclovir	12	TPA
71.	Venlafaxine HCl	40	TPA
72.	Vilazodone HCl	5	TPA
73.	Zidovudine	120	TPA
74.	Zileuton	2	TPA
75.	Ibulysinate	20	TPA
76.	Isradipine	0.1	TPA
77.	TAF	60	TPA

2. The unit shall provide Sewage Treatment Plant and /or Effluent Treatment Plant as indicated below.

a	Sewage Treatment Plant:		
Treatment status: Individual STP			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Collection cum Equalization tank-1	1	2.2*1.7*3.0
2.	Collection cum Equalization tank-2	1	2.2*2.2*3.0
3.	Bar screen chamber-1	1	0.8*1.76*2.9
4.	Bar screen chamber-2	1	0.8*2.2*2.9
5.	Aeration tank-1	1	3.25*8.05*3.0
6.	Aeration tank-2	1	4.25*5.4*3.0
7.	Inclined plate clarifier-1	1	Surface area 10.22m ²
8.	Inclined plate clarifier-2	1	Surface area 15.33m ²
9.	Treated water tank	1	4.3*2.5*2.75
10.	Filter Press	1	2 Ton Capacity
b	Effluent Treatment Plant:		
Treatment status: Individual ETP			

SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Oil skimmer	1	Feed -15 m3/hr
2.	Primary effluent collection tank-1	1	9.7*9.7*2.7
3.	Dissolved Air Flotation(DAF)	1	Feed -10 KL/hr
4.	MEE feed Tank -1	1	4.4*3.1*4.4
5.	MEE feed tank-2	1	3.2*3.2*2.0
6.	Multiple Effect Evaporator	1	Feed-10000kg/hr
7.	Equalization tank-1	1	7.2*4.0*4.0
8.	Equalization tank-2	1	6.8*4.0*4.0
9.	Aeration tank-1	1	14.5*5.0*6.65
10.	Secondary clarifier-1	1	3.5*3.5*2.0
11.	Aeration tank-2	1	14.5*5.0*6.65
12.	Secondary clarifier-2	1	3.5*3.5*2.0
13.	Sintex stoarge tank	1	10KL
14.	Flocculator-2	1	1.5*1.5*1.5
15.	Tertiary clarifier	1	3.5*3.5*2.0
16.	Treated water storage tank	1	3.0*2.5*4.0
17.	Coagulation tank(PAC)	1	1.2*0.95*1.35
18.	Coagulation tank(PE)	1	0.4*0.6*1.1
19.	Clarifier-4	1	3.0*2.5*4.0
20.	Sludge thickner	1	4m dia*2mSWD
21.	Flash Mixer-2	1	1.0*1.0*1.5
22.	Centrifuge	1	3.4m3/hr feed rate
23.	Centrifuge	1	5m3/hr feed rate
24.	Centrifuge	1	5m3/hr feed rate
25.	Agitated Thin Film Drier	2	Feed-1412 kg/hr
26.	Agitated Thin Film Drier	1	Feed 1610 kg/hr
27.	Primary effluent collection tank-2-LTDS	1	9.7*9.7*2.7
28.	Flash Mixer-1	1	1.0*1.0*1.5
29.	Flocculator-1	1	1.5*1.5*1.5
30.	Primary clarifier	1	3.5*3.5*2.0
31.	Reverse Osmosis Plant	1	Feed- 11.4m3/hr
32.	Collection Tank (Proposed)	1	10.0m x 10.0m x 4.5m
33.	Flash mixer – I (Proposed)	1	1.5m x 2.5m x 2.5m
34.	Flash mixer – II (Proposed)	1	1.5m x 2.5m x 2.5m
35.	Primary Settling Tank (Proposed)	1	5.0 m Dia X 2.75m Ht

36.	Aeration Tank – I(Proposed)	1	20 m X 10m x 5m
37.	Sludge Thickener(Proposed)	1	3.0 m Dia x 2.75m Ht
38.	PSF & ACF feed water storage tank(Proposed)	1	4.5m X 6.7m x 2.5m
39.	Treated water storage tank(Proposed)	1	4.5m X 6.7m x 2.5m
40.	UF for treated Effluent(Proposed)	1	Feed-20KL/hr
41.	Reverse Osmosis Plant (Proposed)	1	Feed-20KL/hr
42.	Multiple Effect Evaporator-4stage (Proposed)	1	Feed-10000 kg/hr

3. This consent to establish for Expansion is valid for establishing the facility with the below mentioned outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	Sewage	48.0	On land for gardening
Effluent Type : Trade Effluent			
1.	Trade Effluent1- RO Permeate	465.0	Recycling to Utility
2.	Trade effluent 2 -Reject from ETP	55.0	Agitated Thin Film Drier / Centrifuge

4. **Additional Conditions:**

1. The industry shall manufacture the products within the consented quantity.
2. The unit shall comply with the conditions as specified in the Environmental Clearance obtained by the unit vide MoEF letter no. No. F. No. IA-J-11011/326/2016-IA-II(I) dated 19.11.2018.
3. The industry shall operate and maintain the Sewage Treatment Plant efficiently and continuously so as to bring the quality of the treated sewage to satisfy the standards prescribed by the Board.
4. The industry shall utilize the entire quantity of treated sewage for green belt development and gardening purposes.
5. The industry shall operate and maintain the Effluent Treatment Plant with Zero Liquid Discharge System efficiently and continuously and to reuse the treated effluent in the process activities as reported.
6. The industry shall install new ETP for the effluent expected to be generated due to expansion activities as reported before commissioning of the expansion.
7. The industry shall ensure that no effluent (sewage/trade effluent) reaches the storm water drains or outside the industry's premises under any circumstances.
8. The industry shall furnish the Electro Magnetic Flow Meter readings and online connectivity data to both JCEE(M), Trichy and DEE, Cuddalore on monthly basis without fail.
9. The industry shall dispose the Hazardous Waste generated as per the authorization then and there without accumulation.
10. The industry shall conduct the LDAR (Leak Detection and Repair) study and furnish the report to the Board once in a year.
11. The unit shall not use "Use and throwaway plastics" such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead unit shall encourage use of eco friendly alternative such as banana leaf, arecanut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, jute bag etc.,
12. As per the mechanism evolved by CPCB vide letter dated 25.10.2019 for environmental management of critically and Severely Polluted Areas:
 - i. The unit shall ensure the reuse/recycle of treated waste water, wherever feasible.
 - ii. The unit shall furnish ROA regularly so as to continuously monitor the effluent quality/quantity.
 - iii. The unit shall submit a detailed water harvesting plan for the unit.
 - iv. The unit shall adopt Zero Liquid Discharge wherever techno-economically feasible.
 - v. The unit shall discharge the solid waste in the SPCB approved designated locations.
 - vi. The unit shall take steps to preferably utilize the Hazardous waste generated for recycle/reprocesses/Utilization in co-processing after prior approval of the Board.
 - vii. The unit shall furnish the compliance of EC conditions with third party audit every year.
 - viii. The unit shall comply with the outcome of the case filed before the Hon'ble Supreme Court in Civil Appeal Diary No (s). 8478/2020.
 - ix. The unit shall furnish the authenticated proof for the amount of Rs.1.38crore (1.5times of GFA given in OM dated:01.05.2018 by MoEF&CC) spent towards the Corporate Environmental Responsibility (CER)

JOSEPHINESAHAYARANI Digitally signed by JOSEPHINESAHAYARANI
Date: 2021.11.27 22:16:28 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

GENERAL CONDITIONS

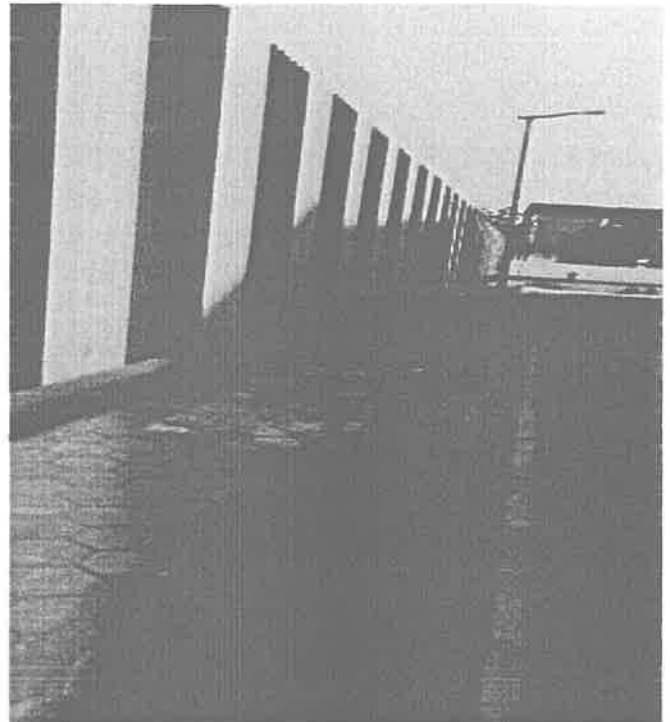
1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises.
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

Digitally signed by
JOSEPHINESAHAYARANI JOSEPHINESAHAYARANI
Date: 2021.11.27 22:17:00 +05'30'
For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

Solara Active Pharma Sciences Limited- Cuddalore-05
Storm Water Gutter



Near Boiler Area

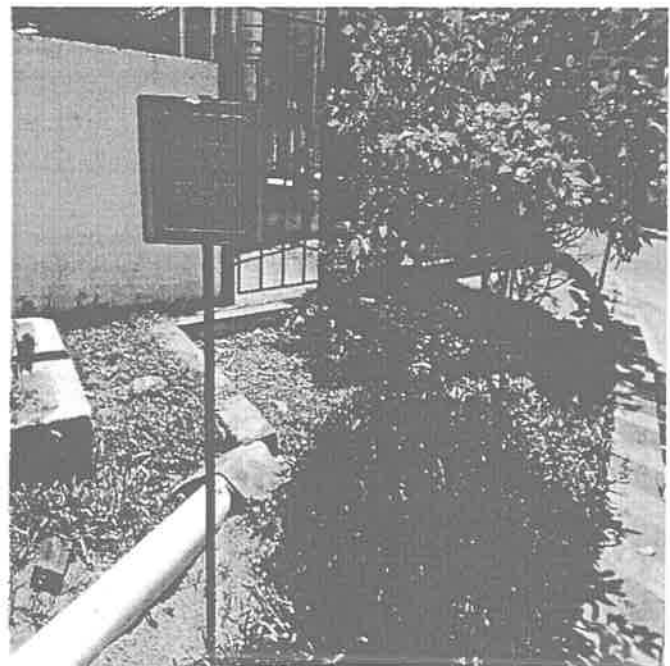


Production Area

Rain Water Harvesting



Near Admin Building



Near QC Building

Proposed Corporate Environment Responsibility (CER) for a period of 5years from 2019-2023

Sl.No	Description	Year 2018-2019	Year 2019-2020	Year 2020-2021	Year 2021-2022	Year 2022-2023	Total
		Amount in INR	Amount in INR	Amount in INR	Amount in INR	Amount in INR	Amount in INR
1	Drinking water supplied to Kudikadu village	1238545.00	1238545.00	1238545.00	1238545.00	1238545.00	6192725.00
2	Maintaining Rural Health Center around the villages	600000.00	600000.00	600000.00	600000.00	600000.00	3000000.00
3	Donation for Educational purpose	56000.00	56000.00	56000.00	56000.00	56000.00	280000.00
4	Installation of Smart Dust Bin for Plastic recycle	600000.00	-	-	-	-	600000.00
5	Green belt & Park development near by village	-	2500000.00	-	-	-	2500000.00
6	RO plant for local village	-	-	2000000.00	-	-	2000000.00
7	Lake desilting near by village	-	-	-	866000.00	-	866000.00
	Total	2494545.00	4394545.00	3394545.00	2760545.00	1894545.00	15438725.00



OCCUCARE INDIA
Complete Occupational Health Care



Regn ID No : 366

MEDICAL EXAMINATION

Name : CHELLAKRISHNAN S

Date : 06.06.2023

Emp ID No : 40001260

Age / Gender : 50 / Male

General Examination Details

Height : 178 in CMS

Weight : 78 in KGS

Blood Pressure : 110/70 mmhg

Pulse Rate : 71 / Min

General Appearance : GOOD

Skin : NORMAL

ENT : NORMAL

Other Test Details

BLOOD : OK – Reports Attached.

URINE : OK – Reports Attached.

VISION : OK – Reports Attached.

X-RAY : OK – Reports Attached.

P.F.T : OK – Reports Attached.

B.M.I (Body Mass Index) : 24.6

Dr. A. VIGNESHWARAN

General Physician

Reg. No. 119152

Signature of Medical Officer



OCCUCARE INDIA
Complete Occupational Health Care



Regn ID No: 366

BLOOD TEST REPORT

Name : CHELLAKRISHNAN S
Emp ID No : 40001260
Department : PRODUCTION-RFT

Sample Taken On – 06.06.2023
Reported On – 06.06.2023
Age / Gender : 50Years / Male

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

HAEMATOLOGY

) Total W B C s count : 8600 cells/cumm 4,000 - 11,000 cells/cumm

DIFFERENTIAL COUNT

Neutrophils : 65.26 % 50 - 70 %
Lymphocytes : 23.78 % 25 - 50 %
Eosinophils : 6.92 % 1 - 6 %
Monocytes : 3.44 % 1 - 10 %

Hemoglobin : 14.2 gms/dl 10.0 - 15.0 gms/dl
PCV Count : 43.10 % 34 - 48 %
Red Blood Cells : 5.01 milli/cumm 4.0 - 6.0 milli/cumm
MCV : 80.68 FL 80 - 100 FL
MCH : 34.75 pg 28 - 34 pg
MCHC : 33.23 % 32 - 36 %
Platelets Count : 2.6 Lakhs/cumm 1.5 - 4.0 Lakhs/cumm

ESR

Erythrocytes Sedimentation Rate

1 Hrs : 9 mm Less than 20mm

Dr.G.KARTHICK.,MBBS.,MD (Pathology)
Reg. No. 127667



OCCUCARE INDIA
Complete Occupational Health Care



Regn ID No : 366

BLOOD TEST REPORT

Name : CHELLAKRISHNAN S
Emp ID No : 40001260
Department : PRODUCTION-RFT

Sample Taken On - 06.06.2023
Reported On - 06.06.2023
Age / Gender : 50 Years / Male

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

BIOCHEMISTRY

Fasting Blood Sugar	:	mg/dL	60 - 120 mg/dL
Postprandial Blood Sugar	:	120 mg/dL	70 - 140 mg/dL
HbA1C HPLC Method	:	5.7 %	< 5.7 Non Diabetic, 5.7 - 6.4 Boderline Diabetic, > 6.4 Diabetic
Estimated Average Glucose (eAG) HPLC Method	:	117 mg/dL	90 - 120 Excellent Control 121 - 150 Good Control 151 - 180 Average Control 181 - 210 Action Suggested > 211 Panic Value

RENAL FUNCTION TEST

CREATININE	:	0.9 mg/dL	0.6 - 1.3 mg/dL
UREA	:	26.0 mg/dL	15 - 45 mg/dL
URIC ACID	:	5.7 mg/dL	3.50 - 7.30 mg/dL

Dr.G.KARTHICK.,MBBS.,MD (Pathology)
Reg. No. 127667



OCCUCARE INDIA
Complete Occupational Health Care



Regn ID No : 366

BLOOD TEST REPORT

Name : CHELLAKRISHNAN S
Emp ID No : 40001260
Department : PRODUCTION-RFT

Sample Taken On - 06.06.2023
Reported On - 06.06.2023
Age / Gender : 50Years / Male

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

LIPID PROFILE

Total Cholesterol	: 231 mg/dl	< 200 mg/dl
Triglycerides (TGL)	: 159.0 mg/dl	< 150 mg/dl
HDL Cholesterol	: 38.0 mg/dl	> 40 mg/dl
LDL Cholesterol	: 100.0 mg/dl	< 100 mg/dl
VLDL Cholesterol	: 31.8 mg/dl	< 30 mg/dl
Total CHO/HDL Ratio	: 2.6 mg/dl	< 4.5 mg/dl
LDL / HDL Ratio	: 2.0 mg/dl	< 3.0 mg/dl

LIVER PROFILE (L.F.T)

Total Bilirubin	: 0.5 mg/dl	0.3 - 1.2 mg/dl
Direct Bilirubin	: 0.1 mg/dl	0.1 - 0.3 mg/dl
InDirect Bilirubin	: 0.4 mg/dl	0.1 - 1.0 mg/dl
Total PROTEINS, serum	: 6.4 mg/dl	6.0 - 8.0 mg/dl
ALBUMIN	: 2.7 gm/dl	3.5 - 5.2 gm/dl
GLOBULIN	: 3.8 gm/dl	2.0 - 4.0 gm/dl
S.G.O.T	: 30.0 U/L	0 - 40 U/L
S.G.P.T	: 33.0 U/L	0 - 41 U/L
A / G ratio	: 1.4 Raito	Raito
Alkaline Phosphatase	: 105 U/L	40 - 130 U/L
GAMMA GT (GGTP)	: 35 U/L	8.0 - 71 U/L

Dr.G.KARTHICK.,MBBS.,MD (Pathology)
Reg. No. 127667



OCCUCARE INDIA
Complete Occupational Health Care



Regn ID No : 366

URINE ROUTINE TEST REPORT

Name : CHELLAKRISHNAN S
Emp ID No : 40001260
Age – 50 Years

Sample Taken On – 06.06.2023
Reported On – 06.06.2023
Gender – Male

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

GENERAL EXAMINATION

COLOUR : Pale Yellow
APPEARANCE : CLEAR

CHEMICAL EXAMINATION

SP. GRAVITY	: 1.005	1.015 – 1.025
pH	: 6.0	6.0 – 7.0
PROTEINS	: NIL	NIL
SUGAR (R)	: NIL	NIL
ACETONE	: NIL	NIL
BILE SALT	: ABSENT	ABSENT
BILE PIGMENTS	: NEGATIVE	NEGATIVE
UROBILLINOGEN	: NIL	NIL

MICROSCOPY EXAMINATION

RED BLOOD CELLS	: NIL	NIL
PUS CELLS / hpf	: 2-4 /Cells / hpf	0 – 2 / hpf
EPITHELIAL CELLS / hpf	: 2-3 /Cells / hpf	0 – 2 / hpf
BACTERIA / hpf	: NIL	NIL
OTHERS / hpf	: NIL	NIL

Dr.G.KARTHICK.,MBBS.,MD (Pathology)
Reg. No. 127667



OCCUCARE INDIA
Complete Occupational Health Care



Regn ID No : 36

CHEST X-RAY REPORT

Name : CHELLAKRISHNAN S

Emp ID No : 40001260

Age - 50 Years

Taken On - 06.06.2023

Reported On - 06.06.2023

Gender - Male

CHEST X-RAY - PA VIEW

- The lung fields appear normal.
- The cardio thoracic ratio appears normal.
- The Cardiophrenic & Costophrenic angles are Normal.
- The bony thorax shows no significant abnormality.
- The domes of diaphragms are well delineated.
- Other Findings : Nil.

IMPRESSION : *No significant abnormality is detected.*

Darrin

Dr DARRPIN.D M.B.B.S.,DMRD.,DNB(RAD)

Reg No: 78387



OCCUCARE INDIA
Complete Occupational Health Care



Regn ID No : 366

VISION TEST REPORT

Name : CHELLAKRISHNAN S

Done On - 06.06.2023

Emp ID No : 40001260

Reported On - 06.06.2023

Department : PRODUCTION-RFT

Age / Gender : 50 Years / Male

Right Eye : 6/9 Clear

Left Eye : 6/12 Clear

Near Vision : N6 Clear

Colour Vision : Normal

Referral Spectacles : Yes

Remarks : Both Eye Distance Vision Power Needed Spectacles.

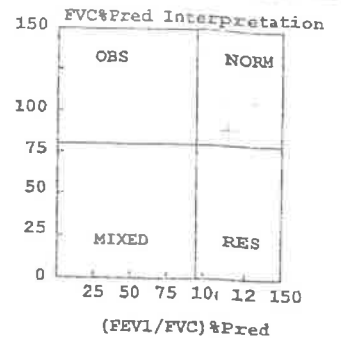
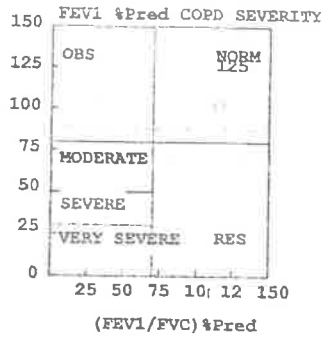
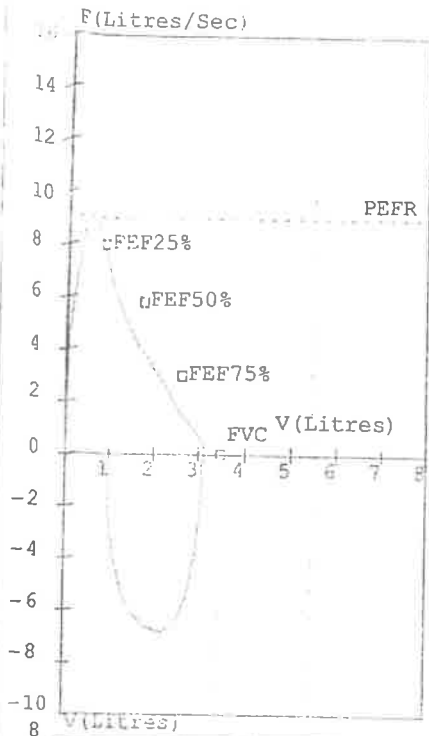
D. Kumar
D. KUMAR

Consultant Optometrist
Regd. No. 378218

OCCUCARE INDIA

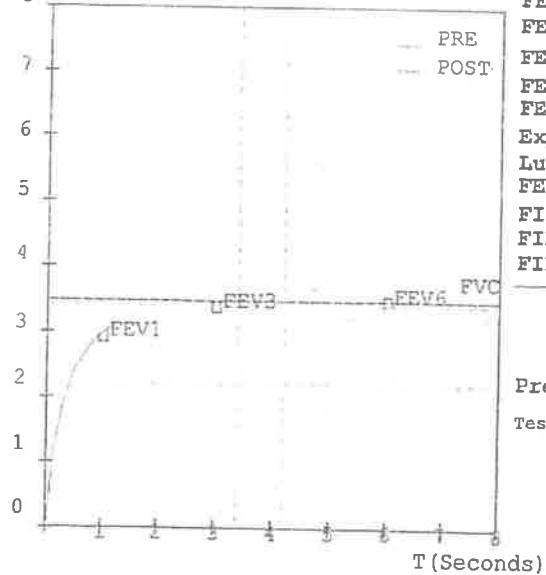
Patient: CHELLAKRISHNAN S
 Refd. By:
 Pred. Eqns: RECORDERS
 Date : 06-Jun-2023 05:10 AM

Age : 50 Years Gender : Male
 Height : 178 Cms Smoker : No
 Weight : 78 Kgs Eth. Corr: 100
 ID: SS 366 Temp :



Spirometry (FVC Results)

Parameter	Pred	M.Pre %Pred	M.Post %Pred	%Imp
FVC (L)	03.48	03.11	089	---
FEV1 (L)	02.92	03.00	103	---
FEV1/FVC (%)	83.91	96.46	115	---
FEF25-75 (L/s)	04.19	04.13	099	---
PEFR (L/s)	08.99	08.93	099	---
FIVC (L)	---	02.16	---	---
FEV.5 (L)	---	02.41	---	---
FEV3 (L)	03.38	03.11	092	---
PIFR (L/s)	---	06.79	---	---
FEF75-85 (L/s)	---	01.71	---	---
FEF.2-1.2 (L/s)	07.25	07.58	105	---
FEF 25% (L/s)	07.96	08.14	102	---
FEF 50% (L/s)	05.77	04.30	075	---
FEF 75% (L/s)	02.95	02.29	078	---
FEV.5/FVC (%)	---	77.49	---	---
FEV3/FVC (%)	97.13	100.00	103	---
FET (Sec)	---	01.28	---	---
ExpTime (Sec)	---	00.06	---	---
Lung Age (Yrs)	034	033	097	---
FEV6 (L)	03.48	---	---	---
FIF25% (L/s)	---	01.32	---	---
FIF50% (L/s)	---	02.92	---	---
FIF75% (L/s)	---	06.50	---	---



Pre Test COPD Severity
 Test within normal limits

Pre Medication Report Indicates
 Spirometry within normal limits as (FEV1/FVC)%Pred >95 and FVC%Pred >80.

Dr. A.VIGNESHWARA
 General Physician
 Reg. No. 119152



TAMIL NADU POLLUTION CONTROL BOARD

From	To
<p>T. Chittrarasu, M.Sc., B.L., Assistant Director (Lab), Tamil Nadu Pollution Control Board Advanced Environmental Laboratory A3, SIPCOT Complex, Kudikadu Cuddalore - 607 005. Email: aelcud@tnpcb.gov.in</p>	<p>General Manager (O), M/s. Solara Active Pharma Sciences Ltd, A1/B, Sipcot Industrial Complex, Cuddalore - 607 005.</p>

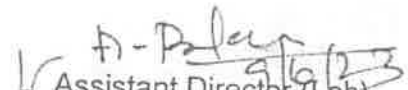
Lr. No. TNPCB/AEL/CUD/F.29 Dt 29.05.2023.

Sir,

Sub: TNPCB-AEL-Cuddalore - Furnishing of Report of Analysis of
Ambient Air Quality/Stack MonitorinPg/Ambient Noise Level
Survey -Regarding.

Please find enclosed herewith the Report of Analysis of Ambient Air Quality / Stack Monitoring / Ambient Noise Level Survey conducted in the vicinity of your industry M/s. Solara Active Pharma Sciences Ltd, A1/B, Sipcot Industrial Complex, Cuddalore on 25.04.2023 along with the bill for Rs.3,29,800/- (Rupees Three Lakh Twenty Nine Thousand and Eight Hundred only) towards the above survey/analysis charges.

Dy.CSO


Assistant Director (Lab),
TNPCB/AEL/CUDDALORE

Copy submitted to the Joint Chief Environmental Engineer, TNPCB, Cuddalore.
Copy to District Environmental Engineer, TNPCB, Cuddalore.
Copy to file.



TAMIL NADU POLLUTION CONTROL BOARD
AMBIENT AIR QUALITY SURVEY – REPORT OF ANALYSIS.

1. Name of the Industry : M/s. Solara Active Pharma Sciences Ltd,
2. Address of the Industry : A1/B, Sipcot Industrial Complex,
Kudikadu Village,
Cuddalore 607 005.
3. Date of Survey : 25.04.2023
4. Duration of Survey : 24 Hours.
5. Category : 17 Category.
6. Land use classification : IndustrialEstate
7. Renewal Consent order No / : **2106227547149 / 31.03.2025.**

Meteorological Conditions.

Ambient Temperature (°C)	Min	Max	Relative Humidity(%)	Min	Max
	29	35		69	91
Weather condition	Clear sky		Rain Fall (mm)	-	
Predominant Wind Direction	NE-SW		Mean Wind Speed (Km/hr.)	8.7	

Ambient Air Quality Survey Results

Sl. No	Location	Direction *	Distance (m)*	Height from GL	Pollutants Concentration($\mu\text{g}/\text{m}^3$) (24 Hours)			
					PM ₁₀	PM _{2.5}	SO ₂	NO ₂
1	On top of the Scaffolding behind Security gate	NE	150	2	46	26	13	15
2	On top of the Scaffolding near Staff vehicle Gate	E	100	2	50	-	15	18
3	On top of the Scaffolding near old Boiler	SE	120	2	56	-	20	22
4	On top of the Scaffolding near TNPCCB Office	SW	160	2	66	48	30	32

Dy.CSO

A. P. Jeyaraj
Assistant Director (Lab),
TNPCCB/AEL/CUDDALORE



TAMIL NADU POLLUTION CONTROL BOARD
STACK MONITORING SURVEY – Report of Analysis.

1. Name of the Industry : M/s. Solara Active Pharma Sciences Ltd,
2. Address of the Industry : A1/B Sipcot Industrial Complex,
Kudikadu Village, Cuddalore – 5.
3. Date of Survey : 25.04.2023

Stack Monitoring Survey Results

Sl. No	Stack attached to	Stack Temp °K	Velocity in (m/Sec)	Discharge Rate in (Nm ³ /hr)	Pollutants (mg/Nm ³)			
					PM	SO ₂	NO _x	Acid mist
1	DG set I – 1000 KVA Fuel : Diesel	537	9.1402	573	46.3	17.5	80.49	-
2	DG set II – 1000 KVA Fuel : Diesel	550	8.6115	527	47.0	17.32	93.7	-
3	DG set III – 1000 KVA Fuel : Diesel	555	8.0770	490.2	45.0	37.0	86.0	-
4	Production Block II reactor	319	6.0327	158	-	-	-	0.88
5	Production Block III reactor	313	6.2415	164	-	-	-	0.86
6	DG 1500 KVA Fuel : Diesel	567	10.383	617	46.14	20.0	87.0	-
7	DG 1500 KVA Fuel : Diesel	567	9.3921	558	46.3	24.15	90.4	-
8	Reacter organics Emission from production block I&II	321	6.2323	162	-	-	-	0.88

9	Reacter acid fume Emission from production block III	317	6.1934	163	-	-	-	0.76
10	12 Ton Boiler	431	4.012	14546	46.18	27.2	54.76	-
11	Reactor Acid fume Emission from Production Block-VA (Wet Scrubber)	315	7.0004	186	-	-	-	0.64
12	Mercaptan Emission from production Block-I &VC	319	5.8471	153	-	-	-	0.92
13	Fugitive Emission from Equalization tank	321	6.2323	172	-	-	-	0.68

Dy.CSO

A. Patil
9/6/23
 Assistant Director (Lab),
 TNPCB/AEL/CUDDALORE



TAMIL NADU POLLUTION CONTROL BOARD
AMBIENT/SOURCE NOISE LEVEL SURVEY – Report of Analysis.

1	Name of the Industry	M/s. Solara Active Pharma Sciences Ltd,		
2	Address of the Industry	A1/B, Sipcot Industrial Complex, Cuddalore – 5.		
3	Date of Survey	25.04.2023		
Category		R-L	Land use Classification	Industrial
Type of Survey		Ambient	Time of Survey	Day
Meteorological conditions		Calm		

Logging Parameters

Instrument Used		CASELLA No: 5007321			
Logging Interval		10 Minutes each point	Measuring Range		50 – 110 dBA
Weighting	"A"	Peak Weighting	"C"	Time Weighting	Larson Davis
Sound Incidence	Frontal		Time in hrs.	02.00 - 04.30	

Report of Noise Level Monitoring

Sl. No.	Location	Duration (min)	Direction	Sound Level-dB(A)		
				L _{eq}	Min	Max
1	Near Boundary on the Northern side	10	N	63.7	56.0	72.5
2	Near Primary Health Centre	10	NE	65.8	59.1	72.9
3	Near Kudikadu Water Tank	10	SE	58.7	53.8	71.3
4	Inside the TNPCB premises	10	SW	70.4	59.3	73.2
5	Near TASMAL Godown	10	W	60.7	54.2	70.8

Dy.CSO

A. Rajan
9/6/23
Assistant Director (Lab),
TNPCB/AEL/CUDDALORE



TAMIL NADU POLLUTION CONTROL BOARD
AMBIENT/SOURCE NOISE LEVEL SURVEY – Report of Analysis.

1	Name of the Industry	M/s. Solara Active Pharma Sciences Ltd,	
2	Address of the Industry	A1/B, Sipcot Industrial Complex, Cuddalore – 5.	
3	Date of Survey	25.04.2023	
Category	R-L	Land use Classification	Industrial
Type of Survey	Ambient	Time of Survey	Day
Meteorological conditions		Calm	

Logging Parameters

Instrument used	Phocheck Tiger
Serial No	T 120985
Time in hours	11.02hrs-17.03

Report of Volatile Organic Compounds(VOC)

Sl. No.	Location	VOC (PPM)
1	ETP Backside Near Boiler area	9.45
2	Kudikadu Colony Near Primary Health Centre	4.86
3	Near RO Permeate area	7.91
4	Near STP area	30.85
5	Near Production Block-V Raw Material Storage area	52.45

Dy.CSO

A. Palani
9/6/23
Assistant Director (Lab),
TNPCC/AEL/CUDDALORE



TAMIL NADU POLLUTION CONTROL BOARD

1	Name of the Industry	M/s. Solara Active Pharma Sciences Ltd,		
2	Address of the Industry	A1/B, Sipcot Industrial Complex, Cuddalore – 5.		
3	Date of Survey	25.04.2023		
Category		R-L	Land use Classification	Industrial
Type of Survey		Ambient	Time of Survey	Day
Meteorological conditions			Calm	

Report of Hydrogen Sulfide (H₂S)

Sl. No.	Location	Duration	Unit (ppb)
1	Near ETP	10 Minutes	100021
2	Near Bromine Storage Tank	10 Minutes	66425
3	Near Old Boiler	10 Minutes	55715
4	Near Hazardous Waste Storage yard	10 Minutes	88998
5	Near Collection Tank	10 Minutes	78701

Dy.CSO

A. Pulver
9/6/23
Assistant Director (Lab),
TNPCC/AEL/CUDDALORE



TAMIL NADU POLLUTION CONTROL BOARD

To

M/s. Solara Active Pharma Sciences Ltd,
A1/B Sipcot Industrial Complex,
Kudikadu,
Cuddalore – 607 001.

Sl. No.	Description	Rate per station as per G.O.(2D) No.13, Dt:31.8.2021	No. of Sampling points	Amount in (Rs.)
I	Ambeint Air Quality Sampling with PM ₁₀ , SO ₂ & NO ₂	19950	4	79800
II	Ambeint Air Quality Sampling PM _{2.5}	5300	2	10600
III	Stack Monitoring PM, SO ₂ , NO _x	16250	6	97500
IV	Stack Monitoring PM only	10650	7	74550
V	Special Parameter – Acid Mist	1050	7	7350
VI	Ambeint Noise level testing First 5 Points	7000	5	7000
VII	VOC	5300	5	26500
VIII	Hydrogen Sulfide Measurement	5300	5	26500
	Total			3,29,800/-
(Three Lakhs Twenty Nine Thousand and Eight Hundred only)				

Dy.CSO

K. A. Pulay
9/6/23
Assistant Director (Lab),
TNPCC/AEL/CUDDALORE

Hubert Enviro Care Systems (P) Ltd.

18, 92nd Street, Ashok Nagar,
Chennai - 600 083.
Ph: 42985555 Fax : 42985500
E-mail : labSales@hecs.in



Laboratory Services Division
(Chemical & Biological Testing)
Recognized by MoEF, BIS
FSSAI Notified Laboratory
ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page 1 of 1

Name of the Client : M/s. Solara Active Pharma Sciences Limited., Report No: HECSL/AN/002/211023
Address of the Client : A1/B Sipcot Industrial Complex, Kudikadu Village, Report Date: 30/10/2023
Cuddalore - 607 005.
Sample Description : Noise Monitoring
Sample Drawn By : Hubert Enviro Care Systems (P) Ltd
Sampling/Received Date : 21/10/2023-24/10/2023
ULR No. : TC578623000019818F

S.No	Location	Time	Day Time Noise level in dB (A)	Time	Night Time Noise level in dB (A)
1	Near Activated Carbon Shed	12.00	63.2	22.10	54.1
2	Near Admin Building -North	12.10	58.9	22.20	52.1
3	Near R & D Building South	12.20	59.4	22.30	56.4
4	Near ETP Area	12.30	65.2	22.40	54.6

Limits set by CPCB:

i. Industrial Area : Day Time-75 dB (A); Night Time-70 dB (A).

Note :- Day time-06.00AM to 10.00PM, Night time-10.00PM to 06.00AM
Remarks:- The noise level meets the requirement of CPCB Limits.



Authorized Signatory
Dr. RAJKUMAR SAMUEL
Director Technical

Employee Training Statistics from June-2023 to Nov-2023

S.No	Month	Topic
1	Jun-23	Ozone depletion
2		Safe Handling of Chemical
3		Safe Agitated Nutch Filter Dryer Operation
4		Safety Attituide
5		Water pollution
6		General Safety Rules
7		EHS Policy
8		EHS rules & Regulation (Lifesaving Rules)
9	Jul-23	Deforestation
10		Hazards and Safety measures in Clean Room
11		Safe handling of Laboratory Chemicals
12		Near Miss
13		Air pollution
14		Hazards of PP and HDPE fabrication
15		Awareness of Ototoxins & Carcinogens
16		Route of Exposure & Control Measures
17		Incident Reporting & Incident Methodology
18		Personal Hygiene
19		Lock Out & Tag out
20	Aug-23	Hazards during Manufacturing operation
21		Manual handling of materials
22		Safety in Decontamination
23		Handling of hazardous waste
24		Unsafe Act & Unsafe Condition
25		House Keeping
26		HMIS Labeling System
27		Safe Centrifuge Operation
28		Safety First
29		Fire Extinguisher PASS Method
30		Classes of Fire
31		Factors Contributing to Fire
32		Accident Prevention & Controls
33		Portable Electrical Operated Hand Tools Safety
34	Sep-23	Plastic Pollution
35		Electrical Safety
36		Chemical Safety
37		Hazards and Safety measures in Clean Room
38		Safe handling of Laboratory Chemicals
39		Hazardous area of classification (electrical equipment and fittings)
40		Identification of Hazards at Project sites and Safety Measures

41		Hazards of PP and HDPE fabrication
42		Awareness of Ototoxins & Carcinogens
43		Route of Exposure & Control Measures
44		Incident Reporting & Incident Methodology
45		Emergency Preparedness & Response Plan
46		Water conservation and management
47	Oct-23	Dangers of Nitrogen
48		Environment awareness
49		Solara Energy
50		Importance of Machine Guarding
51		Emergencies Involving Corrosives
52		Safe Roto cone vacuum drier
53		Safety in Decontamination
54		Safety in Laboratory Equipments
55		Unsafe Act & Unsafe Condition
56		House Keeping
57		HMIS Labeling System
58		Safe Centrifuge Operation
59		Material Handling Aids
60	Nov-23	Human impact on Ecosystem
61		Awareness of Ototoxins & Carcinogens
62		Route of Exposure & Control Measures
63		Incident Reporting & Incident Methodology
64		Personal Hygiene
65		Environment awareness
66		Hazards during Manufacturing operation
67		Manual handling of materials
68		Hazards and Safety measures in Clean Room
69		Safe handling of Laboratory Chemicals
70		Climate change
71		Identification of Hazards at Project sites and Safety Measures
72		Hazards of PP and HDPE fabrication

Annexure - 8



SOLARA
Active Pharma Sciences

Communication Address :
Solara Active Pharma Sciences Limited
A1/B SIPCOT Industrial Complex,
Kudikadu Village,
Cuddalore - 607 005, Tamil Nadu, India
Tel : +91 4142 285400
E-mail : info@solara.com
www.solara.co.in

SAPSL/ ENVT/ 2023/116

September 25, 2023

✓ The Joint Chief Environmental Engineer,
Tamil Nadu Pollution Control Board,
14B, 1st Floor, Bethel Tower,
Alpet, Manjakuppam,
Cuddalore-01.

Sir,

Sub: Environmental statement for the year 2022-23-reg.

We hereby furnishing the Environmental statement for the financial year
2022-23 in the prescribed format Form -V for your kind perusal.

Thanking You.

Yours faithfully,

For **Solara Active Pharma Sciences Limited,**


S.Palanivel
General Manager (Operations)

End: a.a

Cc: The District Environmental Engineer, Tamil Nadu Pollution Control Board,
SIPCOT, Kudikadu, Cuddalore- 607 005





SOLARA
Active Pharma Sciences



Communication Address :
Solara Active Pharma Sciences Limited
A1/B SIPCOT Industrial Complex,
Kudikadu Village,
Cuddalore - 607 005, Tamil Nadu, India
Tel : +91 4142 285400
E-mail : info@solara.com
www.solara.co.in

SAPSL/ ENVT/ 2023/116

September 25, 2023

The Joint Chief Environmental Engineer,
Tamil Nadu Pollution Control Board,
14B, 1st Floor, Bethel Tower,
Alpet, Manjakuppam,
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Yours faithfully,

For **Solara Active Pharma Sciences Limited,**

S.Palanivel
General Manager (Operations)

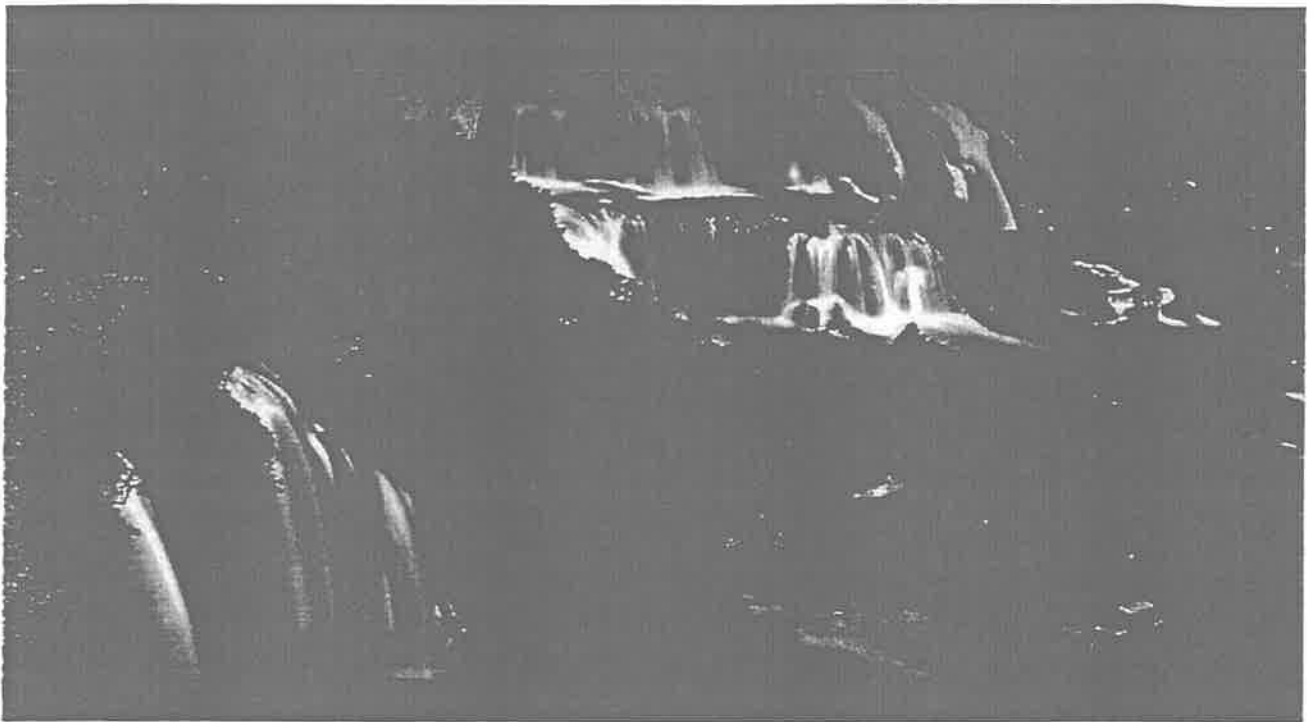
Encl: a.a

Cc: The District Environmental Engineer, Tamil Nadu Pollution Control Board,
SIPCOT, Kudikadu, Cuddalore- 607 005



**SOLARA ACTIVE PHARMA SCIENCES LIMITED
CUDDALORE**

**“Environmental Statement”
Year 2022-23**



September 2023

**A1/A, A1/B, A1/C, A2/B, A2/C, A2/D, C-8/3A &C-8/3C
SIPCOT Industrial Complex,
Kudikadu Village,
Cuddalore –607 005.**

FORM-V
(See rule 14)

Environmental Statement for the financial year ending the 31st March 2023

PART A

1. Name and address of the Owner /occupier of the industry : M/s. Solara Active Pharma Sciences Limited., A1/A, A1/B, A1/C, A2/B, A2/C, A2/D, C8/3A & C8/3C
- Operation or process : SIPCOT Industrial Complex, Survey No: 167 & 168, Kudikadu Village Cuddalore District.
2. Industry category : Large
Primary: (STC code) : Red
Secondary: (OSIC Code) :
3. Production capacity :

SLNo	Product Name	Consented Qty in TPA	Produced Qty in TPA
1	Ibu Intermediate Aldehyde	1700.0	Please Refer Annexure-1
2	Apreptant	1.0	
3	Carisoprodol	40.0	
4	Celecoxib	20.0	
5	Chlorphenesin	144.0	
6	Cinacalcet	1.0	
7	Colesevelam HCl	50.0	
8	Cycloserine	2.0	
9	Dabigatran	3.0	
10	Dextromethorphan	10.0	
11	Gaba pentine	150.0	
12	Ibuprofen	400.0	
13	Isradipine	1.0	
14	Lanthanum Carbonate	10.0	
15	Leviteracetam	50.0	
16	Lurasidone	1.0	
17	Meprobamate	2.0	
18	Nabumutone	10.0	
19	Nizatidine	6.0	
20	Olanzapine	1.0	
21	Olmetartat	1.0	
22	Pitavastatin	1.0	
23	Pregabalin	50.0	

24	Ranitidine Hydrochloride	50.0
25	Rivaroxaban	1.0
26	Roflumilast	1.0
27	Rosuvastatin	1.0
28	Sapropterine	1.0
29	Sevalamar Hydrochloride	40.0
30	Sevelamer Carbonate	50.0
31	Tenofovir DF	10.0
32	Venlafaxine Hydrochloride	60.0

4. Year of establishment : 1991
5. Date of the last environmental Statement submitted. : 17.09.2022.

PART-B

Water and Raw material consumption.

(1) Water consumption m ³ /d	: 428
Process	: 91
Utilities	: 277
Domestic	: 38
Garden	: 21

Process water consumption per product output

SL.No	Name of the Products	During the previous financial year	During the current financial year
1	Nizatidine	18.17 L/kg of output	18.17 L/kg of output
2	Ibuprofen intermediate Aldehyde	16.43 L/kg of output	16.43 L/kg of output
3	Gabapentin	2.25 L/kg of output	2.25 L/kg of output
4	Venlafaxine	12.29 L/kg of output	12.29 L/kg of output
5	Aprepitant	2.62 L/kg of output	2.62 L/kg of output
6	Cycloserine	0 L/kg of output	0 L/kg of output
7	Lanthanum Carbonate	36.08 L/kg of output	36.08 L/kg of output
8	Levetiracetam	1.0 L/kg of output	1.0 L/kg of output
9	Sevelamer carbonate	50.00 L/kg of output	50.00 L/kg of output
10	Olanzapine	86.4 L/kg of output	86.4 L/kg of output
11	Ibuprofen	4.3 L/kg of output	4.3 L/kg of output
12	Pitavastatin	79.27 L/kg of output	79.27 L/kg of output
13	Colsevelam Hydrochloride	1.53 L/kg of output	1.53 L/kg of output

(2) Raw material Consumption:

Consumption of raw material per Unit of out put

SLNO	Name of raw materials	During the previous Financial year (kg)	During the current Financial year (kg)
IBU INTERMEDIATE ALDEHYDE			
1	SODIUM METAL	0.185	0.185
2	ISO BUTYL ACETO PHENONE	1.000	1.000
3	ISO PROPYL CHLORO ACETATE	1.050	1.050
4	C S LYE	0.666	0.666
5	HYDROCHLORIC ACID	1.035	1.035
6	IPA	2.358	2.358
7	FERRIC CHLORIDE	0.0001	0.0001
NIZATIDINE			
1	NI-4 (THIAZOLE)	1.827	1.827
2	CYSTEAMINE HCL	0.950	0.950
3	HAS	0.183	0.183
4	ACTIVATED CARBON	0.266	0.266
5	KOH	0.129	0.129
6	ETHYL ACETATE	9.438	9.438
7	METHANOL	13.350	13.350
8	TOLUENE	28.281	28.281
9	ACETONE	0.39	0.39
10	CHLOROFORM	21.800	21.800
11	HYFLOW SUPER GEL	0.0185	0.0185
12	NaOH	1.59	1.59
13	NMSM	1.021	1.021
VENLAFAXINE			
1	PARA METHOXY PHENYL ACETONITRILE	1.029	1.029
2	CYCLOHEXANONE	0.823	0.823
3	POTASSIUM TERT BUTOXIDE	0.005	0.005
4	HEPTANES	2.381	2.381
5	XYLENES	1.372	1.372
6	PALLADIUM CARBON	0.166	0.166
7	ACETIC ACID	1.514	1.514
8	FORMALDEHYDE	0.844	0.844
9	FORMIC ACID	1.572	1.572
10	ANHYD HYDROGEN CHLORIDE GAS	0.222	0.222
11	METHANOL	1.505	1.505
12	ETHYL ACETATE	4.022	4.022
GABAPENTIN			
1	HCL	6.235	6.235
2	ACETONE	9.586	9.586
3	SODIUM HYPO CHLORITE	0.228	0.228
4	C S FLAKES	4.046	4.046
5	TRIBUTYL AMINE	1.769	1.769
6	METHANOL	17.821	17.821

7	HYFLO	0.027	0.027
8	ACTIVATED CARBON	0.033	0.033
9	IPA	10.767	10.767
10	CYCLOHEXANE 1,1 DIACETIC ACID MONOAMIDE	2.38	2.38
CYCLOSERINE			
1	D-SERINE	2.353	2.353
2	THIONYL CHLORIDE (CYCLOSERINE)	5.882	5.882
3	METHANOL	50.367	50.367
4	DIETHYL ETHER FOR CYCLOSERINE	0.000	0.000
5	METHYLENE CHLORIDE	52.594	52.594
6	TRIETHYLAMINE	0.735	0.735
7	CS LYE	8.074	8.074
8	PHOSPHOROUS PENTA CHLORIDE	0.000	0.000
9	POTASSIUM HYDROXIDE FOR CYCLOSERINE	4.000	4.000
10	HYDROXYL AMINE HCL	1.500	1.500
11	ACETIC ACID	1.261	1.261
12	ISO PROPYL ALCOHOL	35.370	35.370
13	DENATURED SPIRIT	8.021	8.021
SEVELAMER CARBONATE			
1	CAUSTIC SODA FLAKES	0.555	0.555
2	CARBON DIOXIDE CYLINDER	0.403	0.403
3	SEVELAMER HYDROCHLORIDE	1.424	1.424
OLANZAPINE			
1	2(2-NITROANILINO)5-METHYLTHIOPHENE-3-CARBONITRILE	4.164	4.164
2	DENATURED SPIRIT	66.065	66.065
3	HYDROCHLORIC ACID	21.514	21.514
4	STANNOUS CHLORIDE	12.492	12.492
5	DIMETHYL SULPHOXIDE	15.727	15.727
6	METHYLENE CHLORIDE	92.524	92.524
7	N-METHYL PIPERAZINE	9.611	9.611
8	METHANOL	9.870	9.870
9	ACTIVATED CARBON	0.388	0.388
10	HYFLO SUPERCCEL	0.388	0.388
11	BENZODIAZAPINE HCl	3.331	3.331
12	STANNOUS CHLORIDE DIHYDRATE	12.492	12.492
APREPITANT			
1	2(R)(1-(R)-(3,5-BIS (TRIFLUOROMETHYL)PHENYL)ETHOXY)-3(S)-(4-FLUOROPHENYL) MORPHOLINE.HCL	1.282	1.282
2	APREPITANT CRUDE	1.099	1.099
3	CHARCOAL	0.110	0.110
4	DMSO	11.282	11.282
5	HYFLO	0.366	0.366
6	METHANOL	10.822	10.822
7	MTBE	21.850	21.850
8	N-METHYL CARBOXY-2-CHLOROACETAIMDRAZONE	0.493	0.493
9	NNDIPEA	4.012	4.012
10	POTASSIUM CARBONATE	0.935	0.935

11	SODIUM BICARBONATE	1.172	1.172
12	SODIUM CHLORIDE	5.128	5.128
13	XYLENES	14.996	14.996
LANTANUM CARBONATE			
1	HYDROCHLORIC ACID	1.241	1.241
2	AMMONIUM CARBONATE	0.739	0.739
3	LANTHANUM OXIDE	0.643	0.643
LEVITERACETAM			
1	(S) 2 - AMINO BUTANAMIDE HCL	1.075	1.075
2	4 - CHLOROBUTYL CHLORIDE	1.211	1.211
3	ACETONE	0.553	0.553
4	DICHLOROMETHANE	20.366	20.366
5	ETHYL ACETATE	4.607	4.607
6	HYFLO	0.032	0.032
7	POTASSIUM HYDROXIDE POWDER	2.086	2.086
8	PROCESS WATER	12.903	12.903
9	SODIUM CHLORIDE	0.387	0.387
10	SODIUM SULPHATE	0.333	0.333
11	TETRA BUTYL AMMONIUM BROMIDE	0.125	0.125
IBUPROFEN			
1	ACETONE	5	5
2	ACT. CARBON	0.008	0.008
3	ALDEHYDE	2	2
4	DILUTE SULFURIC ACID	3.99	3.99
5	HEXANE	5.8	5.8
6	HYFLO	0.008	0.008
7	SODIUM DICROMATE	1.264	1.264
PITAVASTIN			
1	3-BROMOMETHYL-2-CYCLOPROPYL-4-(4-FLUOROPHENYL)-QUINOLINE	0.38	0.38
2	ACETONE	99.50	99.50
3	ALDEHYDE SIDE CHAIN	0.32	0.32
4	AQ CALCIUM CHLORIDE DEHYDRATE SOLUTION	19.48	19.48
5	AQ HCL SOLUTION	20.01	20.01
6	AQ NAOH SOLUTION	10.46	10.46
7	AQ SODIUM CHLORIDE SOLUTION	1.40	1.40
8	D (+)-PHENYL ETHYLAMINE	0.76	0.76
9	DIMETHYL SULPHOXIDE	6.44	6.44
10	ETHYL ACETATE	47.35	47.35
11	HEXANES	4.79	4.79
12	HYFLO SUPER CELL	0.32	0.32
13	ISOPROPYL ALCOHOL	35.74	35.74
14	POTASSIUM CARBONATE	0.37	0.37
15	TOLUENE	21.66	21.66
16	TRIPHENYL PHOSPHINE	0.29	0.29
COLSEVELAM HCL			
1	LIQ.POLYALLYLAMINE HYDROCHLORIDE	1.67	1.67
2	SODIUM HYDROX FLAKES	2.00	2.00
3	EPICHLOROHYDRIN	10.05	10.05
4	ISOPROPYL ALCOHOL	40.00	40.00

PART –C

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

(1) Pollutants	Quantity of Pollutants Discharged	Concentration of pollutants in discharges	Percentage of variation from prescribed standards with reason
	(kg/day)	(mg/Nm³)	(%)

(A) Water – No water pollutants are discharged to the Environment as the effluent generated is treated & recycled within the unit.

(B) Air

Boiler

1. SPM	32.98	46.18
2. SO ₂	18.64	26.1
3. NO _x	38.21	53.5

Refer Annexure-2 for analysis results of other stacks and ambient air. (October-2022)

**PART D
Hazardous Wastes**

(Rules specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

Total Quantity

		During the previous financial year (01.04.2021- 31.03.2022)	During the current financial year (01.04.2022- 31.03.2023)
a) From process			
1	Residue & Waste in Ton	163.616	266.094
2	Spent organic Solvent in KL	2697.085	2331.096
3	Spent carbon in Ton	30.735	24.728
4	Filters & filter material which have organic liquid in Ton	4.563	5.114
5	Discarded containers/barrels/liners used for hazardous waste/chemicals in Tons	3.1	3.23
6	Used /Spent Oil in KL	2.185	2.01
7	Waste/residue containing oil in Ton	0.155	0.091
8	Off- Specification Product	4.658	4.658

1	Chemical sludge from Wastewater Treatment in Ton	2046.74	1977.785
2	Chemical containing residue from Decontamination & disposal in KL	23.6	17.25

PART-E

Solid Wastes

Total Quantity

		During the previous financial year	During the current financial year
a) From process			
	Packing material in Ton	22.1	18.7
	Food waste in Ton	1.8	1.2
	Garden waste in Ton	10	9
	Ash from Boiler in TPA	322	320
b) From pollution control facility			
1. Quantity recycled or re-utilised within the unit			
a	Garden waste in Ton	10	12
*Reused in Garden as manure			
2.Sold			
a	Spent Oil in kl	2.685	1.34
b	Spent Organic solvent in kl	2697.085	2331.096
c	Discarded containers/Barrels/liners in Ton	3.09	3.47
d	Packing material in Ton	22.1	18.7
3.Disposed			
a	Chemical sludge from Wastewater Treatment (ETP Sludge & ATFD Salts)	4348.37* (Stabilized solid waste)	4329.245* (Stabilized solid waste)
b	Food waste in Ton	1.8**	1.2**

*Disposed to TSDF, Gummidipoondi/GGEPIPL, and Ranipet after in-house stabilization.

** Collected and taken back by canteen contractor as feed to Cattle.

PART-F

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

Waste stream and Category No.	Physical properties	Chemical Composition	Waste management
Chemical sludge from waste water treatment-category No.35.3	Dark Brown solids	Mixture of inorganic salts	Disposed to TSDF at Gummidipoondi after in house stabilization.
Spent Carbon- category No.28.3	Black Powder	Carbon	Disposed to GGEPIPL for Co-processing
Residues and waste – category No.28.1	Blackish brown Liquid	Mixture of Hydrocarbons	Disposed to GGEPIPL for Co-processing
Used/spent oil- category No.5.1	Light brown Liquid	Mixture of Hydrocarbons	Recycled through authorized recycler.
Waste containing Oil - category No.5.2	Solid	Mixture of hydrocarbon & cotton	Disposed to GGEPIPL for Co-processing
Discarded containers / Barrels / liners used for hazardous wastes - category No.33.1	Solid	MS and HDPE drum	Recycled through authorized recycler.
Spent Solvents - category No.28.6	Light yellow Liquid	Mixture of organic liquids	Recycled through authorized recycler.
Off - Specification Products - category No.28.4	Solid	Mixture of organic & inorganic salts	Disposed to GGEPIPL for Co-processing
Filters and Filter material-category No.36.2	Solid	Synthetic clothes	Disposed to GGEPIPL for Co-processing
Chemical containing residue from decontamination and disposal (kl) - category No.34.1	Liquid	Mixture of organic & inorganic liquids	Disposed through ETP

PART-G

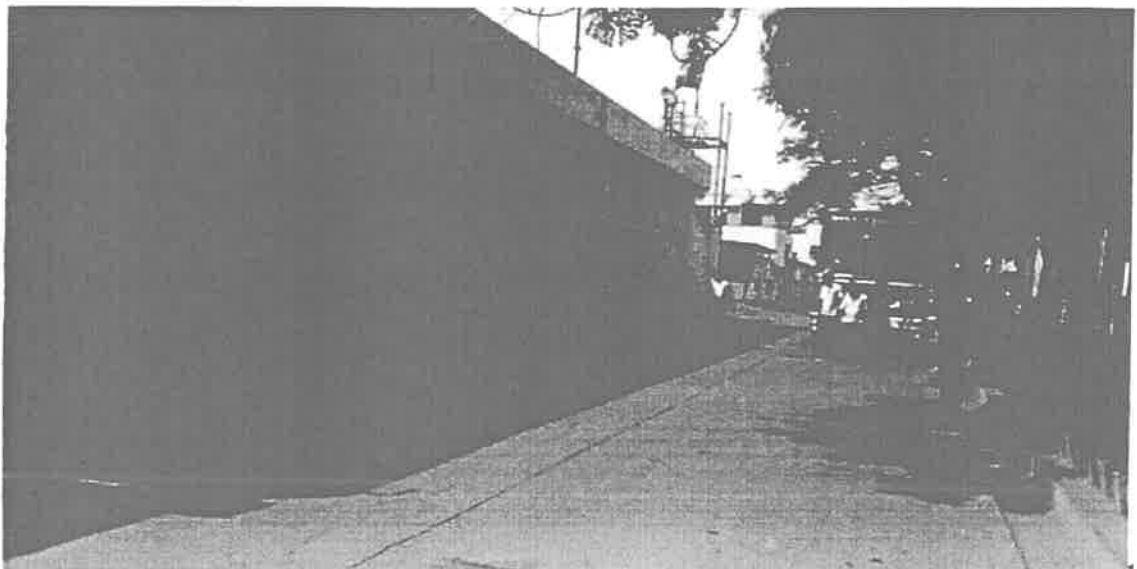
Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

World Environment Day celebration 5th June 2023

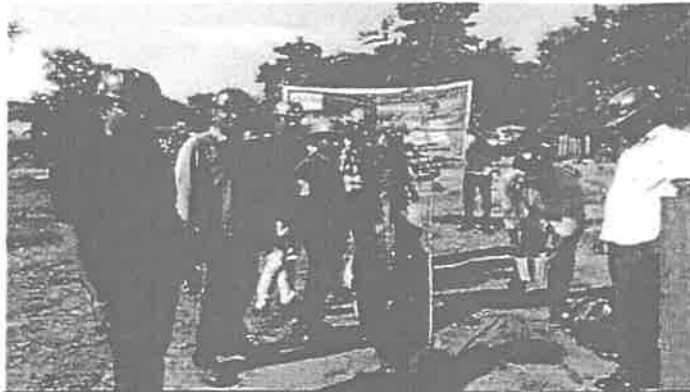
Banner Displayed at Company Entrance



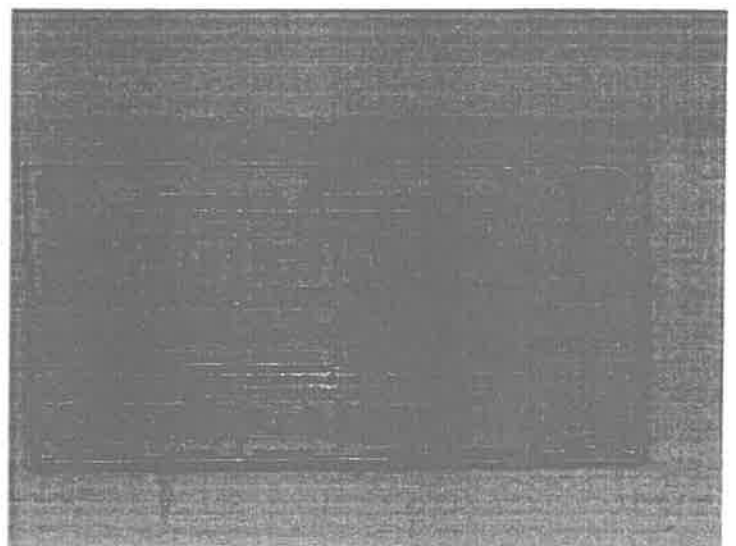
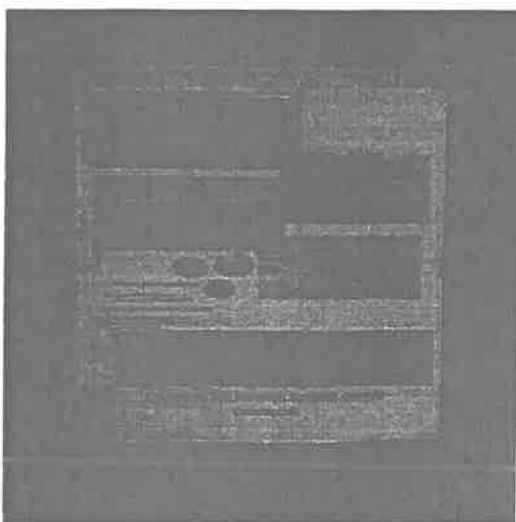
- Addressing Company Employees on the topic of “Beat Plastic Pollution” on 5th June -World Environment day.



Tree Plantation



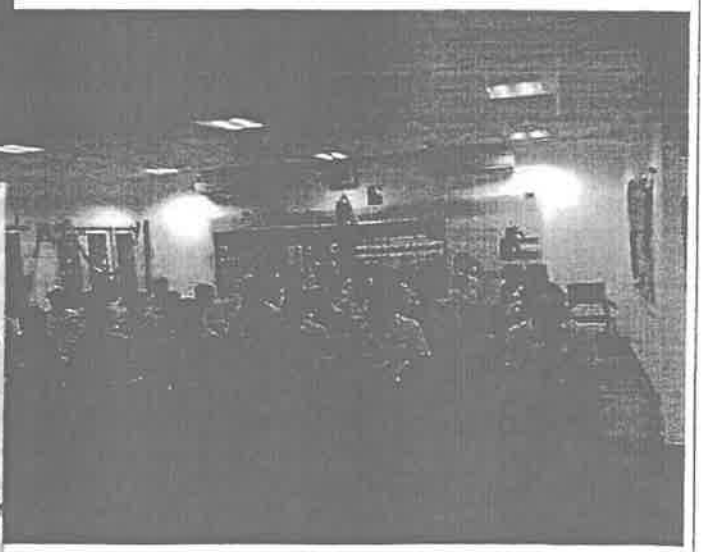
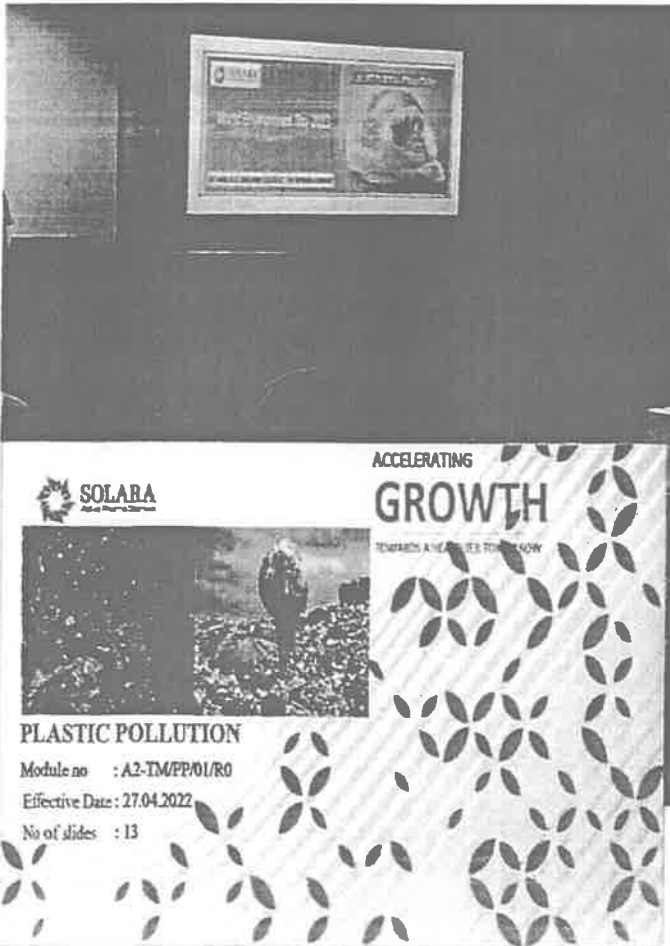
Awarness Poster diplay at various location



Cloth Bag distribution to Employees



Classroom training on Need of Plastic pollution control conducted for Solara Employee



Other Activity carried out during last Fincial year

- All incinerable hazardous waste were sent for Co Processing.
- Management System, re-certification obtained for ISO 14001:2015 & ISO 45001:2018
- We have the Responsible Care logo & Management Practice
- Raw water consumption is reduced by using recycled water.
- 48% of the total power requirement will be sourced from Wind energy.
- Mass tree plantation carried out on 15th Feb 2023 -100 saplings were planted.



PART- H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

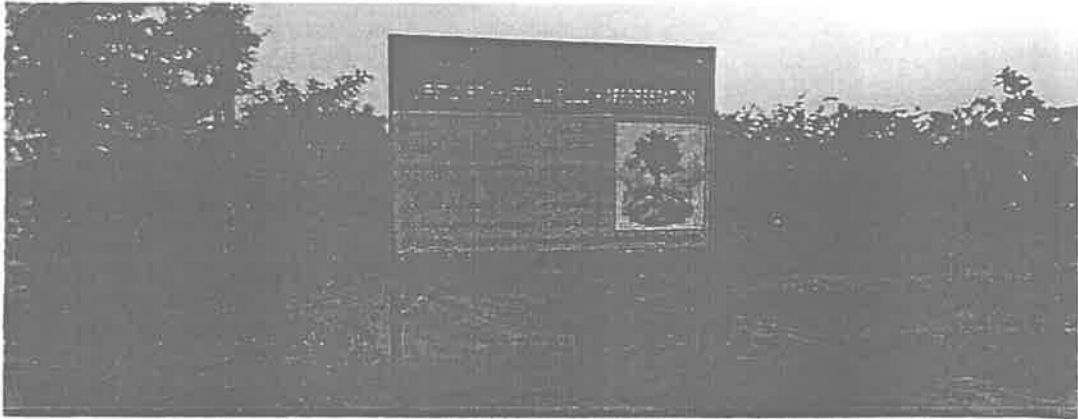
- Adequacy study of VOC emission control measures
- PIE study .
- Life cycle assessment study.
- Tree Plantation of 1000 trees in company premises under **Kurungkadu** scheme.
- Formation of ECO club

PART-I

Any other particulars for improving the quality of the Environment.

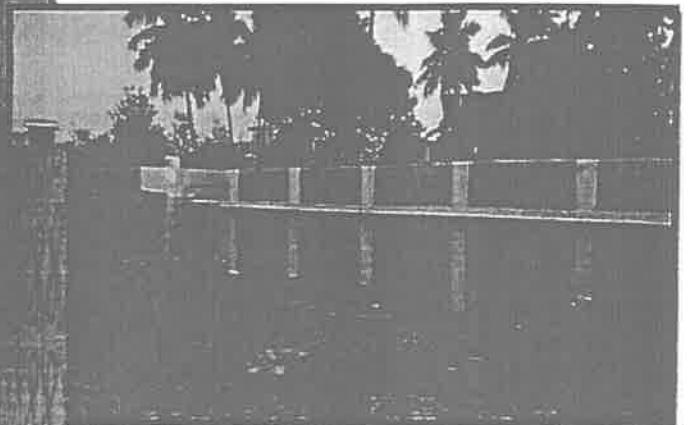
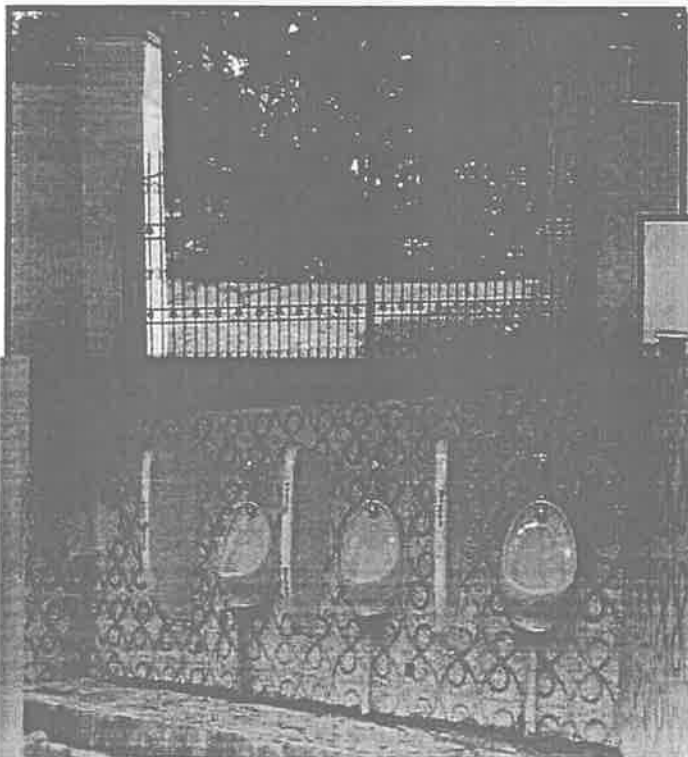
- In house LDAR study conducted by every month to reduce VOC emission.
- Supporting a girl student for her MBBS studies from the local village.

We are maintaining 5acre Green belt at SIPCOT OSR land.

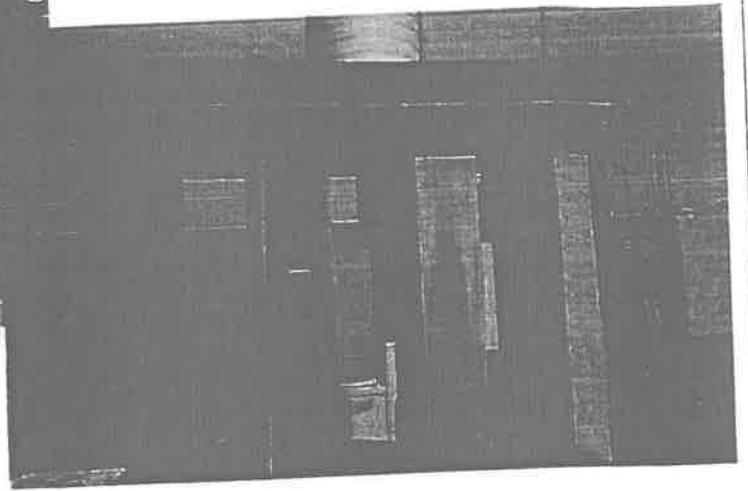


CSR activity carried out during 2022-2023

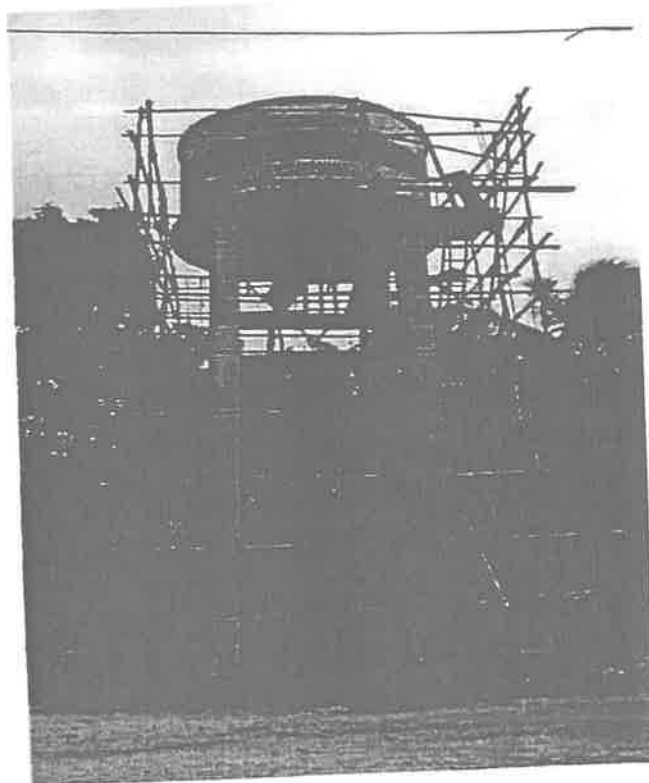
Infrastructure Improvement at Govt Middle School, Panruti.



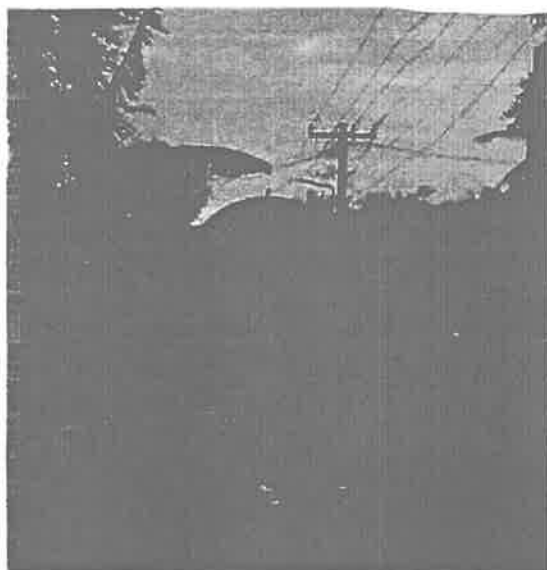
Infrastructure Improvement at Sangeeth Santham HelpAge home



Overhead water tank for Poondiankuppam Village



Drinking water supplied to Kudikadu village.



Maintaining Rural Health Center around the villages



Monthly Production Details for the year of 2022-2023

MONTH	NIZATIDINE	GABAPENTINE	VENLAFAXINE HCL	ALDEHYDE	LANTHANUM CARBONATE	SEVELAMER CARBONATE	LEVETIRACETAM	IBUPROFEN	COLSEVELAM HCl	APREPTANT	OLANZAPINE	CYCLOSERINE	PITAVASTIN
Apr-22	0.275	12.377	2.783	31.257	0.554	1.550	0.483	14.961	0.020	-	0.067	-	0.009
May-22	0.005	12.511	2.284	62.946	0.001	5.384	7.636	29.050	0.015	-	0.075	0.012	0.051
Jun-22	-	11.698	5.574	98.873	1.199	2.859	7.499	53.336	0.000	0.015	0.068	0.180	0.048
Jul-22	0.005	12.610	2.786	102.680	1.253	1.718	4.229	42.515	0.000	0.000	0.052	0.023	0.001
Aug-22	0.539	12.280	5.573	133.420	1.326	1.798	3.306	33.941	0.000	0.006	0.012	-	0.0016
Sep-22	0.517	12.646	5.786	118.761	0.810	5.485	3.835	46.000	0.000	0.000	0.104	-	0.127
Oct-22	0.520	12.759	2.786	93.729	0.000	4.735	4.791	33.248	0.000	0.001	0.000	-	0.059
Nov-22	0.713	16.139	5.572	68.683	0.972	4.026	2.268	33.468	0.000	0.002	0.122	-	0.0020
Dec-22	1.912	12.663	4.457	105.589	1.394	8.122	0.771	84.883	-	0.003	0.082	0.110	0.053
Jan-23	0.255	11.183	2.232	146.120	1.064	3.929	0.470	8.085	-	-	0.125	-	0.001
Feb-23	0.488	11.320	2.787	137.266	-	3.818	4.448	18.276	-	0.013	0.020	-	0.041
Mar-23	0.537	10.433	17.301	195.314	0.831	6.279	8.926	2.275	21.001	0.068	0.129	-	0.040
Total In Tons	5.765	148.639	59.921	1294.638	9.404	49.703	48.662	399.938	21.036	0.109	0.855	0.325	0.433

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Prepared by

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Checked by



TAMIL NADU POLLUTION CONTROL BOARD
AMBIENT AIR QUALITY SURVEY - REPORT OF ANALYSIS.

1. Name of the Industry : M/s. Solara Active Pharma Sciences Ltd,
2. Address of the Industry : A1/B, Sipcot Industrial Complex,
Kudikadu Village,
Cuddalore 607 005.
3. Date of Survey : 18.10.2022
4. Duration of Survey : 8 Hours.
5. Category : 17 Category.
6. Land use classification : Industrial Estate
7. Renewal Consent order No / Validity : 2008230946599 / 31.3.2022.

Meteorological Conditions.

Ambient Temperature (°C)	Min	Max	Relative Humidity(%)	Min	Max
	29	34		67	89
Weather condition	Clear sky		Rain Fall (mm)	-	
Predominant Wind Direction	NE-SW		Mean Wind Speed (Km/hr.)	8.1	

Ambient Air Quality Survey Results

Sl. No	Location	Direction *	Distance (m)*	Height from GL	Pollutants Concentration($\mu\text{g}/\text{m}^3$) (24 Hours)			
					PM ₁₀	PM _{2.5}	SO ₂	NO ₂
1	On top of the Scaffolding behind Security gate	NE	150	2	48	24	12	14
2	On top of the Scaffolding near Staff vehicle Gate	E	100	2	52	-	14	16
3	On top of the Scaffolding near old Boiler	SE	120	2	56	-	18	20
4	On top of the Scaffolding near TNPCB Office	SW	160	2	62	46	28	30

Dy.CSO

Assistant Director (Lab),
 TNPCB/AEL/CUDDALORE



TAMIL NADU POLLUTION CONTROL BOARD
STACK MONITORING SURVEY – Report of Analysis.

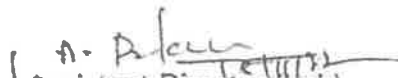
1. Name of the Industry : M/s. Solara Active Pharma Sciences Ltd,
2. Address of the Industry : A1/B Sipcot Industrial Complex,
Kudikadu Village, Cuddalore – 5.
3. Date of Survey : 18.10.2022

Stack Monitoring Survey Results

Sl. No	Stack attached to	Stack Temp °K	Velocity in (m/Sec)	Discharge Rate in (Nm ³ /hr)	Pollutants (mg/Nm ³)			
					PM	SO ₂	NO _x	Acid mist
1	DG set I – 1000 KVA Fuel : Diesel	537	8.8303	553	46.0	16.4	73.3	
2	DG set II – 1000 KVA Fuel : Diesel	543	8.1058	502	41.0	35.0	93.4	
3	DG set III – 1000 KVA Fuel : Diesel	555	8.0770	490.2	45.0	37.0	86.0	
4	Production Block II reactor	318	5.9313	156	-	-	-	0.86
5	Production Block III reactor	310	6.1246	165	-	-	-	0.89
6	DG 1500 KVA Fuel : Diesel	563	10.060	601	50.0	21.0	83.5	-
7	DG 1500 KVA Fuel : Diesel	564	9.4707	565	46.0	23.0	86.2	-
8	Reacter organics Emission from production block I&II	319	6.1235	160	-	-	-	0.88

9	Reacter acid fume Emission from production block III	313	6.4125	171	-	-	-	0.78
10	12 Ton Boiler	429	4.2187	14007	46.18	26.1	53.5	-
11	Reactor Acid fume Emission from Production Block-VA (Wet Scrubber)	314	6.7523	179	-	-	-	0.98
12	Mercaptan Emission from production Block-I &VC	317	5.9220	156	-	-	-	0.92
13	Fugitive Emission from Equalization tank	319	6.5583	172	-	-	-	0.68

Dy.CSO


Assistant Director (Lab),
TNPCC/AEL/CUDDALORE



TAMIL NADU POLLUTION CONTROL BOARD
AMBIENT/SOURCE NOISE LEVEL SURVEY – Report of Analysis.

1	Name of the Industry	M/s. Solara Active Pharma Sciences Ltd,		
2	Address of the Industry	A1/B, Sipcot Industrial Complex, Cuddalore – 5.		
3	Date of Survey	18.10.2022		
Category	R-L	Land use Classification	Industrial	
Type of Survey	Ambient	Time of Survey	Day	
Meteorological conditions		Calm		

Logging Parameters

Instrument Used	CASELLA No: 5007321				
Logging Interval	10 Minutes each point	Measuring Range	50 – 110 dBA		
Weighting	"A"	Peak Weighting	"C"	Time Weighting	Larson Davis
Sound Incidence	Frontal		Time in hrs.	02.00 - 04.30	

Report of Noise Level Monitoring

Sl. No.	Location	Duration (min)	Direction	Sound Level-dB(A)		
				Leq	Min	Max
1	Near Boundary on the Northern side	10	N	62.7	55.0	71.5
2	Near Primary Health Centre	10	NE	64.8	58.1	71.9
3	Near Kudikadu Water Tank	10	SE	57.7	52.8	70.3
4	Inside the TNPCB premises	10	SW	69.4	58.3	72.2
5	Near TASMACH Godown	10	W	59.7	53.2	69.8

Dy.CSO

Assistant Director (Lab),
TNPCB/AEL/CUDDALORE



TAMIL NADU POLLUTION CONTROL BOARD
STACK MONITORING SURVEY – Additional Results

1. Name of the Industry : M/s. Solara Active Pharma Sciences Ltd,
2. Address of the Industry : A1/B, Sipcot Industrial Complex,
Kudikadu Village,
Cuddalore 607 005.
3. Date of Survey : 18.10.2022
4. Type of Industry : Pharmaceutical

Stack Monitoring Additional Particulars

Sl. No	Details of Stack mentioned in Consent order	Details of Stack available and in working conditions	Details of Stack for which Stack emission sampling have been done
1	DG set I – 1000 KVA	Working	-
2	DG set II – 1000 KVA	Working	-
3	DG set III – 1000 KVA	Working	-
4	Production Block II reactor	Working	-
5	Production Block III reactor	Working	-
6	DG 1500 KVA	Working	-
7	DG 1500 KVA	Working	-
8	Reactor organics Emission from production block I&II	Working	-
9	Reactor acid fume Emission from production block III	Working	-
10	12 Ton Boiler	Working	Not Conducted due to Erection of New 12 Ton Boiler in the existing place.
11	Reactor Acid fume Emission from Production Block-VA (Wet Scrubber)	Working	Sampling platform sampling port hole damaged /Corroded
12	Mercaptan Emission from production Block-I &VC	Working	Blower Not Working
13	Fugitive Emission from Equalization tank	Working	Sampling platform sampling port hole damaged /Corroded

Dy.CSO

Assistant Director (E&B),
TNPCC/AEL/CUDDALORE



TAMIL NADU POLLUTION CONTROL BOARD
AMBIENT/SOURCE NOISE LEVEL SURVEY – Report of Analysis.

1	Name of the Industry	M/s. Solara Active Pharma Sciences Ltd,		
2	Address of the Industry	A1/B, Sipcot Industrial Complex, Cuddalore – 5.		
3	Date of Survey	18.10.2022		
Category		R-L	Land use Classification	Industrial
Type of Survey		Ambient	Time of Survey	Day
Meteorological conditions			Calm	

Logging Parameters

Instrument used	Phocheck Tiger
Serial No	T 120985
Time in hours	11.02hrs-17.03

Report of Volatile Organic Compounds(VOC)

Sl. No.	Location	VOC (PPM)
1	ETP Backside Near Boiler area	9.33
2	Kudikadu Colony Near Primary Health Centre	4.73
3	Near RO Permeate area	7.73
4	Near STP area	30.42
5	Near Production Block-V Raw Material Storage area	51.12

Dy.CSO

Assistant Director (Lab),
TNPCC/AEL/CUDDALORE



TAMIL NADU POLLUTION CONTROL BOARD

1. Name of the industry : M/s. Solara Active Pharma Sciences Ltd,
2. Pollution Category : Pharmaceutical
3. Date of AAQ Survey : 18.10.2022
4. Predominant wind Directio : NE-SW
5. Weather Conditions : Clear Sky

STATUS OF POLLUTANTS LEVEL

I Ambient Air Quality

1. Total number of Air quality Stations Monitored : 4
2. Number of AAQ stations in which Pollutants : Nil
level exceeded the Board Standards

Maximum and Minimum values of Pollutants level observed

Sl no	Pollutant	Valus in microgram/m ³		Board standard (As per the consent order)
		Minimum	Maximum	
1	Respirable Suspended Particulate Matter (PM _{2.5})	24	46	60
2	Respirable Suspended Particulate Matter (PM ₁₀)	48	62	100
3	Gaseous pollutants			
	(I) SO ₂	12	28	80
	(II) NO ₂	14	30	80

II Stack Monitoring

1. Total Number of Stacks Monitored : 13
2. Number of Stacks in which Pollutants level exceeded the Board Standards : Nil

Dy.CSO

Assistant Director (Lab),
TNPCC/AEL/CUDDALORE



TAMIL NADU POLLUTION CONTROL BOARD

1	Name of the Industry	M/s. Solara Active Pharma Sciences Ltd,		
2	Address of the Industry	A1/B, Sipcot Industrial Complex, Cuddalore – 5.		
3	Date of Survey	18.10.2022		
Category		R-L	Land use Classification	Industrial
Type of Survey		Ambient	Time of Survey	Day
Meteorological conditions			Calm	

Report of Hydrogen Sulfide (H₂S)

Sl. No.	Location	Duration	Unit (ppb)
1	Near ETP	10 Minutes	99999
2	Near Bromine Storage Tank	10 Minutes	66390
3	Near Old Boiler	10 Minutes	55635
4	Near Hazardous Waste Storage yard	10 Minutes	88921
5	Near Collection Tank	10 Minutes	78655

Dy.CSO

Assistant Director (Lab),
TNPCC/AEL/CUDDALORE

மேடு பகுதிகளுக்கு சென்று விட்டார். தொடர்ந்து அங்கு அங்கு நளா பெற்று வரும் மரக் கன்றுகளை நடட்டார். ஆயிரக்கணக்கான கன்றுகளை நடட்டார். தொடர்ந்து அங்கு கல செயலா கருவிகள் மறும் அதிகாரிகள் உடனடி நடவடிக்கை மேற்கொள்ள வேண்டும். இவ்வாறு செய்து கொடுக்கப்பட்டுள்ள உற்பத்தி அளவு 3376.4 டன்/ஆண்டு (53 உற்பத்தி பொருட்கள்) இறுது 5783.84 டன்/ஆண்டு (77 உற்பத்தி பொருட்கள்) விரிவாக்க பணிக்கான சமீபத்திலும் அனுமதியை கடலூர் மாவட்டம், கடலூர் வட்டம், குமகாடு கிராமம், தமிழ்நாடு அரசு தொழில் முனைதலைக் கழகம் (இயோ.), வருவாய் எண் 167 மற்றும் 168, பிளாட் எண் A1/A, A1/B, A1/C, A2/B, A2/C, A2/D, C8-3/C, C8-3/A, C-1/2 கொண்ட திட்டத்தில் அனுமதி உள்ள சொல்லா ஆகிய பராம சபீசனஸ் லிமிடெட் நிறுவனத்துக்கு 25.07.2019-ந் தேதியிடப்பட்ட கடிதம் வாயிலாக மாற்றுபவமைகரப் பெற்றுள்ளது.

யோது அறிவிப்பு

இவ்வாறையின் நகல்கள் தமிழ்நாடு மாகக் கடடுபாட்டு வாரியத்தில் கிடைக்கும். மேலும், இவ்வாறையை ஏற்றுச்சூழல், வளம் மற்றும் பருவநிலை மாற்றங்கள் அமைச்சகம், மத்திய அரசு, நவம்பர் 19, 2018-ந் தேதியிடப்பட்ட கடித எண் ECF No. IA-J-11011/326/2016-IA-II(I)-ல் கொடுக்கப்பட்டுள்ள உற்பத்தி அளவு 3376.4 டன்/ஆண்டு (53 உற்பத்தி பொருட்கள்) இறுது 5783.84 டன்/ஆண்டு (77 உற்பத்தி பொருட்கள்) விரிவாக்க பணிக்கான சமீபத்திலும் அனுமதியை கடலூர் மாவட்டம், கடலூர் வட்டம், குமகாடு கிராமம், தமிழ்நாடு அரசு தொழில் முனைதலைக் கழகம் (இயோ.), வருவாய் எண் 167 மற்றும் 168, பிளாட் எண் A1/A, A1/B, A1/C, A2/B, A2/C, A2/D, C8-3/C, C8-3/A, C-1/2 கொண்ட திட்டத்தில் அனுமதி உள்ள சொல்லா ஆகிய பராம சபீசனஸ் லிமிடெட் நிறுவனத்துக்கு 25.07.2019-ந் தேதியிடப்பட்ட கடிதம் வாயிலாக மாற்றுபவமைகரப் பெற்றுள்ளது.

இவ்வாறையின் நகல்கள் தமிழ்நாடு மாகக் கடடுபாட்டு வாரியத்தில் கிடைக்கும். மேலும், இவ்வாறையை ஏற்றுச்சூழல், வளம் மற்றும் பருவநிலை மாற்றங்கள் அமைச்சகம் இணையதளத்திலும் (<http://moef.nic.in>) காணலாம். இடங்களுக்கு, சொல்லா ஆகியின் பராம சபீசனஸ் லிமிடெட்.

இந்தியக் குடியியல்

மாநில அரசு உடனடி நடவடிக்கை மேற்கொள்ள வேண்டும். இவ்வாறு செய்து கொடுக்கப்பட்டுள்ள உற்பத்தி அளவு 3376.4 டன்/ஆண்டு (53 உற்பத்தி பொருட்கள்) இறுது 5783.84 டன்/ஆண்டு (77 உற்பத்தி பொருட்கள்) விரிவாக்க பணிக்கான சமீபத்திலும் அனுமதியை கடலூர் மாவட்டம், கடலூர் வட்டம், குமகாடு கிராமம், தமிழ்நாடு அரசு தொழில் முனைதலைக் கழகம் (இயோ.), வருவாய் எண் 167 மற்றும் 168, பிளாட் எண் A1/A, A1/B, A1/C, A2/B, A2/C, A2/D, C8-3/C, C8-3/A, C-1/2 கொண்ட திட்டத்தில் அனுமதி உள்ள சொல்லா ஆகிய பராம சபீசனஸ் லிமிடெட் நிறுவனத்துக்கு 25.07.2019-ந் தேதியிடப்பட்ட கடிதம் வாயிலாக மாற்றுபவமைகரப் பெற்றுள்ளது.

இந்து சமய குடியியல்

மாநில அரசு உடனடி நடவடிக்கை மேற்கொள்ள வேண்டும். இவ்வாறு செய்து கொடுக்கப்பட்டுள்ள உற்பத்தி அளவு 3376.4 டன்/ஆண்டு (53 உற்பத்தி பொருட்கள்) இறுது 5783.84 டன்/ஆண்டு (77 உற்பத்தி பொருட்கள்) விரிவாக்க பணிக்கான சமீபத்திலும் அனுமதியை கடலூர் மாவட்டம், கடலூர் வட்டம், குமகாடு கிராமம், தமிழ்நாடு அரசு தொழில் முனைதலைக் கழகம் (இயோ.), வருவாய் எண் 167 மற்றும் 168, பிளாட் எண் A1/A, A1/B, A1/C, A2/B, A2/C, A2/D, C8-3/C, C8-3/A, C-1/2 கொண்ட திட்டத்தில் அனுமதி உள்ள சொல்லா ஆகிய பராம சபீசனஸ் லிமிடெட் நிறுவனத்துக்கு 25.07.2019-ந் தேதியிடப்பட்ட கடிதம் வாயிலாக மாற்றுபவமைகரப் பெற்றுள்ளது.

மாநில அரசு உடனடி நடவடிக்கை மேற்கொள்ள வேண்டும். இவ்வாறு செய்து கொடுக்கப்பட்டுள்ள உற்பத்தி அளவு 3376.4 டன்/ஆண்டு (53 உற்பத்தி பொருட்கள்) இறுது 5783.84 டன்/ஆண்டு (77 உற்பத்தி பொருட்கள்) விரிவாக்க பணிக்கான சமீபத்திலும் அனுமதியை கடலூர் மாவட்டம், கடலூர் வட்டம், குமகாடு கிராமம், தமிழ்நாடு அரசு தொழில் முனைதலைக் கழகம் (இயோ.), வருவாய் எண் 167 மற்றும் 168, பிளாட் எண் A1/A, A1/B, A1/C, A2/B, A2/C, A2/D, C8-3/C, C8-3/A, C-1/2 கொண்ட திட்டத்தில் அனுமதி உள்ள சொல்லா ஆகிய பராம சபீசனஸ் லிமிடெட் நிறுவனத்துக்கு 25.07.2019-ந் தேதியிடப்பட்ட கடிதம் வாயிலாக மாற்றுபவமைகரப் பெற்றுள்ளது.

மேல் பகுதிகள் உள்ளவை. காஞ்சிபுரம், புதுச்சேரி, வேலூர், கோவை, திருச்சூர், சேலம்

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station, the department said
in a release.

The last date for filling online application forms is March 20, 2019.
For details visit: www.nimb.in, org

For viewing of the
tender

(1) above

DIPR/ 2609 /TENDER/2019.

PUBLIC NOTICE

This is to inform the public that the EC issued by MoEF&CC (Ministry of Environment, Forest and Climate Change) Government of India ECF.No. IA-J-11011/328/2016-JA-III) dated on 19th November 2016 for the proposed "Expansion of Bulk Drug Unit with Change in Capacity from existing capacity of 3376.4 TPA (53 products) to 5783.84 TPA (77 products) at S.F No. 167 and 168, Plot. No. A-1/A, A-1/B, A-1/C, A-2/B, A-2/C, A-2/D, C8-3/C, C8- 3/ A, C-7/2, SIPCOT Industrial Complex, Kudikkadu village, Cuddalore District, Tamil Nadu State is transferred to M/s Solara Active Pharma Sciences Limited vide their letter dated 25.07.2019. The transfer letter is available in the official website of MoEF&CC (<http://moef.nic.in>) and is available with the Tamil Nadu State Pollution Control Board.

By
Solara Active Pharma Sciences Limited



TAMIL NADU HOUSI Special Project Divisi Anna Nagar, Chennai - 6

APPLICATION FOR INFORMATION

Special Project Division-1 Chennai Unit of Tamil Nadu Housing following vacant flats through LOT.

(1) Applications are invited from 163 vacant flats from Government Servants for 324 Double Bedroom Multistoried (S Housing Scheme" flats at Viliyakkam under Self Finance Scheme" flats at Viliyakkam under Self Finance Scheme. Please Visit TNHB website: "www.tnhb.tn.gov.in" from 05 regarding Flat: Extent, Flat Sale Price, Registration Amnt Period of sale of application and conditions.

(2) Applications are invited from 164 vacant flats from Government Servants for 324 Double Bedroom Multistoried (S Housing Scheme" flats at Viliyakkam under Self Finance Scheme. Please Visit TNHB website: "www.tnhb.tn.gov.in" from 05 regarding Flat: Extent, Flat Sale Price, Registration Amnt Period of sale of application and conditions.

Also Contact below address for further details

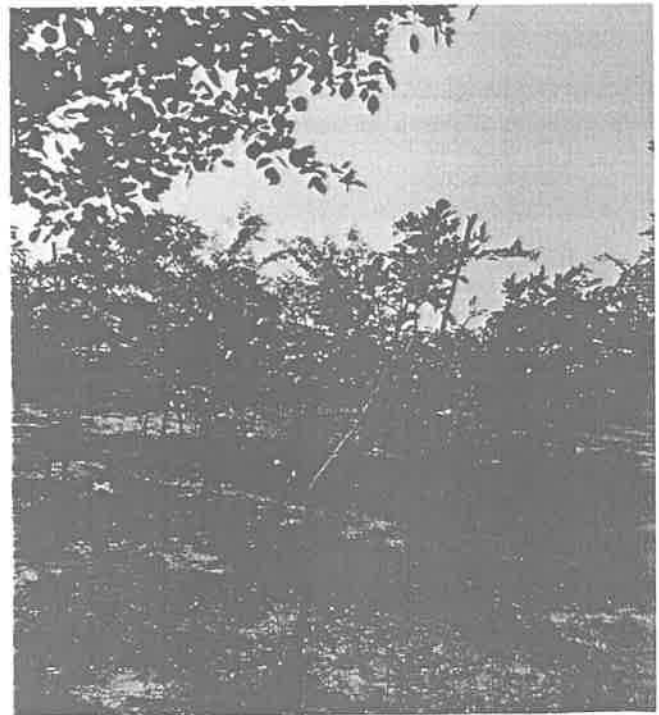
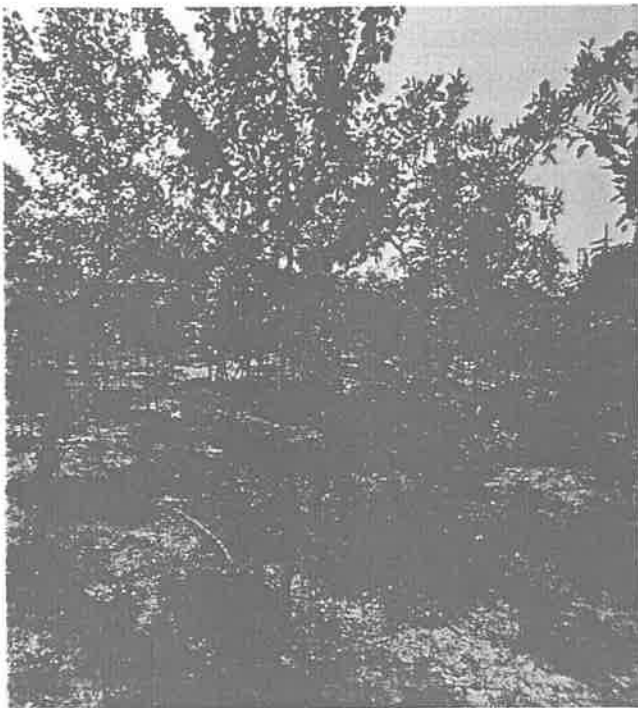
Tamil Nadu Housing Board
Special Project Division - I,

No.C-48, 2nd Avenue, Anna Nagar,
Chennai - 600 040. Phone: 044 - 26285560

DIPR/943/Display/2019.

Execu
Speci

SIPCOT OSR Land -5 Acre -2000 saplings Maintaine by Solara Active Pharma Sciences Ltd.



Plot No. C-7/2 -1.3 Acre Didedicated greenbelt - Near M/s Loyal Super Fabrics at Kudikadu village

