



**Government of India  
Ministry of Environment, Forest and Climate Change  
(Impact Assessment Division)**

To,

The Sr Vice President Mfg  
NACL INDUSTRIES LIMITED

Sy.No. 177, Arinama Akkivalasa, Etcherla Mandal,  
Srikakulam,,Srikakulam,Andhra Pradesh-532403

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/AP/IND3/232281/2020 dated 24 Jan 2022. The particulars of the environmental clearance granted to the project are as below.

- |   |  |
|---|--|
| 1. <b>EC Identification No.</b>                   | <b>EC22A017AP116179</b>  |
| 2. <b>File No.</b>                                | J-11011/75/2007-IA II (I)  |
| 3. <b>Project Type</b>                            | Expansion  |
| 4. <b>Category</b>                                | A  |
| 5. <b>Project/Activity including Schedule No.</b> | 5(b) Pesticides industry and pesticide specific intermediates (excluding formulations)   |
| 6. <b>Name of Project</b>                         | Expansion of Agrochemicals Manufacturing Unit (From 30 TPD to 70.1 TPD) and inclusion of Bio-based agrochemicals and Captive Cogeneration Power Plant 6 MW at Sy. No. 177, Arinama Akkivalasa village, E |
| 7. <b>Name of Company/Organization</b>            | NACL INDUSTRIES LIMITED  |
| 8. <b>Location of Project</b>                     | Andhra Pradesh   |
| 9. <b>TOR Date</b>                                | 24 Jun 2020  |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 21/04/2022

(e-signed)  
Dr. R.B. Lal  
Scientist E

IA - (Industrial Projects - 3 sector)

*Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.*

*This is a computer generated cover page.*

**PARIVESH**

*(Pro-Active and Responsive Facilitation by Interactive,  
and Virtuous Environment Single-Window Hub)*



**File No. IA-J-11011/75/2007-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Impact Assessment Division)**

\*\*\*

Indira Paryavaran Bhawan  
Vayu Wing, 3<sup>rd</sup> Floor, Jorbagh Road,  
New Delhi - 110003

**Dated: 21<sup>st</sup> April, 2022**

To,

**M/s. NACL Industries Limited**  
Sy.No. 177, Arinama Akkivalasa,  
Etcherla Mandal, Srikakulam,  
Etcherla, Srikakulam,  
Andhra Pradesh-532403

Email: [cvr@naclind.com](mailto:cvr@naclind.com)

**Project: Expansion of Agrochemicals Manufacturing Unit (From 30 TPD to 70.1 TPD) and inclusion of Bio-based agrochemicals and Captive Cogeneration Power Plant 6 MW at Sy. No. 177, Arinama Akkivalasa village, Etcherla mandal, Srikakulam District, Andhra Pradesh by M/s. NACL Industries Limited– Environmental Clearance Regarding.**

Sir,

This has reference to your proposal No. IA/AP/IND3/232281/2020, dated 24.01.2022, and further ADS reply 11.03.2022 on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for Expansion of Expansion of Expansion of Agrochemicals Manufacturing Unit (From 30 TPD to 70.1 TPD) and inclusion of Bio-based agrochemicals and Captive Cogeneration Power Plant 6 MW at Sy. No. 177, Arinama Akkivalasa village, Etcherla mandal, Srikakulam District, Andhra Pradesh by M/s. NACL Industries Limited.

3. The details of existing and proposed products and their capacity, as under:

S. No.	Name of Products	CAS No	Existing Capacity permitted as per CTO/EC (TPD)	Proposed (TPD)	Total Proposed Capacity after Expansion (TPD)
1	Cloquintocet Mexyl	99607-70-2	0.5	---	0.5
2	Triazinone / Thiocarbohydrazide/ Dichloro Pinacolone /Pinacolone	2231-57-4	2	8	10
3	2,3 Di chloro Pyridine	2402-77-9	0.5	---	0.5
4	Profenofos	41198-08-7	15		15
5	Thiamethoxam	153719-23-4	1.5	-0.5	1

6	Fipronil	120068-37-3	0.5	0.5	1
7	Imidachloprid	138261-41-3	0.5	---	0.5
8	Acetamiprid	135410-20-7	---	0.5	0.5
9	Lambda Cyhalothirin	91465-08-6	1.5	-0.5	1
10	Bifenthrin	82657-04-3	3	-2	1
11	Cypermethrin	52315-07-8	1	-0.5	0.5
12	Carbendazim	10605-21-7	0.5	---	0.5
13	Pymetrozine	123312-89-0	---	0.5	0.5
14	Telfluthrin	79538-32-2	2	-1.5	0.5
15	Pyriproxyfen	95737-68-1	---	1	1
16	Emamectin Benzoate	155569-91-8	---	1	1
17	Diafenthiuron	80060-09-9	1	---	1
18	Propiconazole / Bromoketal (Intermediate)	60207-90-1	7.5	-4.5	3
19	Tricyclazole	41814-78-2	6	-3.5	2.5
20	Fenbuconazole	114369-43-6	---	1	1
21	Myclobutanil	88671-89-0	0.3	-0.7	1
22	Thifluzomide	130000-40-7	0.8	---	0.8
23	Hexaconazole	79983-71-4	0.2	0.8	1
24	Tebuconazole / Oxirane (Intermediate)	107534-96-3	2	-1	1
25	Difenconazole	119446-68-3	0.2	0.3	0.5
26	Epoxiconazole	135319-73-2	0.5	---	0.5
27	Cyproconazole	94361-06-5	0.5	---	0.5
28	Thiophanate-methyl	23564-05-8	1.75	-0.75	1
29	Azoxystrobin	131860-33-8	1	---	1
30	Trifloxystrobin	141517-21-7	0.15	0.85	1
31	Pendimethalin	40487-42-1	1	0.5	1.5
32	Pretilachlor	51218-49-6	4.7	-0.7	4
33	Metribuzin	21087-64-9	1.25	0.35	1.6
34	Dimethomorph	110488-70-5		2	2
35	Clodinofof-Propargyl	105512-06-9	1.2	-0.2	1
36	Bispyribec Sodium	125401-92-5	0.5	0.5	1
37	Bensulfuron Methyl	83055-99-6	---	1	1
38	Glufosinate Ammonium	77182-82-2	1	---	1
39	Quizalofop-p-ethyl	100646-51-3	1.25	-0.25	1
40	Tribenuron Methyl	101200-48-0	1	-0.5	0.5
41	Clethodim	99129-21-2	1	---	1
42	Pinoxulam	219714-96-2	---	1	1
43	S-Metolachlor	87392-12-9	1	---	1
44	Verbinone	1196-01-6	0.15	0.05	0.2
45	(Z)-hezatec – 11-en-1-yl acetate	34010-21-4	0.15	0.05	0.2
46	(Z)-hezatec – 9-enal	56219-04-6	0.15	0.05	0.2
47	(8E,10E) – Dodoca-8, 10-dyen-1-ol	76600-88-9	0.15	0.05	0.2
48	7Z,11Z hexadeca dienyl acetate	53042-81-2	0.15	0.05	0.2
49	7E, 9Z dodoca dienyl acetate	54364-62-4	0.15	0.05	0.2

50	8Z Dodecyl acetate	28079-04-1	0.15	0.05	0.2
51	(Z)-Octadeca – 13 – enyl acetate	60037-58-3	0.15	0.05	0.2
52	R&D Products		0.05	0.05	0.1
53	MMT (*)	135302-13-5	0.5	---	---
54	1, 2 PDL (*)	5343-92-0	3	---	---
55	Atrazine (*)	1912-24-9	5.5	---	---
56	DIPPT (*)	135252-10-7	1.3	---	---
	<b>Total</b>				<b>70.1</b>

Note: 1. Permitted/existing products based on highest production from 10 groups. At any point of time one group will be manufactured.

2. (\*) indicates products included in CTO dated 08.10.2021 through change in product mix under no increase in pollution loads.

## II: Bio Based Agro Chemicals

S. No.	Name of Product	Capacity (TPD)		
		Existing/ Permitted as per CTO	Proposed	After expansion
1	Pseudomonas Fluorosense+ Bacillus Subtilis	---	0.17	0.17
2	Trichoderma Harzianum+Verticillium chlamydosporium	---	0.17	0.17
3	Ampelomyces quisqualis+BeauveriaBassiana	---	0.17	0.17
4	Beauveria bassiana+ Metarhizium anisopliae	---	0.17	0.17
5	Beauveria bassiana	---	0.17	0.17
6	Metarhizium anisopliae	---	0.17	0.17
7	Verticillium lecanii+Beauveria Bassiana	---	0.17	0.17
8	Hirsutella thompsonii+Beauveria Bassiana	---	0.17	0.17
9	Hirsutella thompsonii	---	0.17	0.17
	<b>Total</b>	<b>NIL</b>	<b>1.53</b>	<b>1.53</b>
III.	<b>Captive Co-generation power plant</b>			<b>6 MW</b>

Table: Agrochemicals Formulations

S. No.	Name of Product	Unit	Capacity
1	Granules	MT/year	20000
2	Liquids	Kl/Year	25000
3	Powders	MT/year	5000
	<b>Total</b>		<b>50000</b>

## List of By-Products – After Expansion

S. No.	By-Product	Quantity (Kg/day)
1	Hydrochloric Acid (30%)	2470
	Sodium Hydrosulphide (NaSH) solution	1300
2	Sodium Bromide	1070

3	Potassium Chloride	183.5
	Potassium Bicarbonate	246.4
4	Ethanol	116.5
5	Dil. HCl (25%) from Scrubbers	5228.5
6	HBr (25%) from Scrubbers	1359.7

4. The project/activities is covered under the **category 'A' of item 5(b) – Pesticides industry and pesticide specific intermediates** of the Schedule to the Environment Impact Assessment (EIA) Notification, 2006 and accordingly the proposal is appraised at Central Level by the Expert Appraisal Committee (EAC) in the Ministry.

5. The PP reported that the Ministry has granted earlier EC on 30.07.2007 to M/s. Nagarjuna Agrichem Ltd. Further, the EC was transferred to M/s. NACL Industries Ltd. The Integrated Regional Office, MoEFCC, vide letter no. IRO/VIJ/EPE/03-01/2021, dated 12.03.2021, submitted the certified compliance report. The report, inter-alia, mentioned some non-compliances, accordingly the PP submitted the Action Taken Report (ATR), vide letter dated 27.04.2021 to the Integrated Regional Office, MoEFCC. Further, Integrated Regional Office, MoEFCC, vide letter no. IRO/VIJ/EPA/MISC/111-01/2021, dated 13.12.2021, has again submitted the certified compliance report. The EAC deliberated Action Taken Report on the compliances and after detailed deliberations the same found in order.

6. The PP reported that the TOR was granted by the Ministry on 24.06.2020. The Public hearing for the proposed expansion project was conducted by the Andhra Pradesh Pollution Control Board on 25.08.2021, which was presided by Additional District Magistrate, Srikakulam. The main issues raised during the public hearing were related to employment, CER funds for village development, water pollution, implementation of pollution control measures, odour nuisance and air pollution. The Committee deliberated the action plan on the issues raised during PH and found in order.

7. The PP reported that the existing land area is of 100 acres and no additional land will be acquired for proposed expansion. Industry is already developed greenbelt in an area of 34% of the project area. The estimated project cost for proposed expansion is Rs. 65.0 crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 21.98 crores. Total Employment will be 200 persons as direct and 60 persons indirect. Industry proposes to allocate Rs. 74 lakhs towards CER.

8. The Ambient air quality monitoring was carried out at eight locations during October to December 2020. The submitted baseline data indicates that ranges of concentrations of PM10 (36-50  $\mu\text{g}/\text{m}^3$ ), PM2.5 (15-24  $\mu\text{g}/\text{m}^3$ ), SO2 (7-13  $\mu\text{g}/\text{m}^3$ ) and NO2 (8-16  $\mu\text{g}/\text{m}^3$ ) respectively. The AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed expansion would be 0.14  $\mu\text{g}/\text{m}^3$ , 0.55  $\mu\text{g}/\text{m}^3$ , and 0.67  $\mu\text{g}/\text{m}^3$  with respect to PM10, SOX and NOX. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

9. The total water requirement after proposed expansion is 2340 m<sup>3</sup>/day out of which 1075 m<sup>3</sup>/day will be fresh water and 1265 m<sup>3</sup>/day is recycled. Water requirement will be met from ground water/surface water (Nagavali river). Total effluent of 1372 m<sup>3</sup>/day will be treated through "Zero Liquid Discharge" based effluent treatment system. The treated wastewater is reused for process, washings, scrubber's circulation and cooling towers make-up.

**10.** The Power requirement will be met by AP Transco. DG sets of capacity 2 x 2000 kVA are proposed in addition to existing 1 x 1000 kVA, 2 x 500 kVA to cater to the energy requirement during load shut down period. DG sets which will be used as standby during power failure. Stack (height 10 m) will be provided as per CPCB norms to the proposed DG set of 2 x 2000 kVA in addition to existing DG sets stack (height 7 m for 1000 kVA and 6.5m for 2 x 500 KVA) which will be used as standby during power failure.

**11.** The fuel (imported coal) consumption is 180 TPD for the proposed utilities. The imported coal contains 0.5% of sulphur and a maximum of 10% ash. However, PP undertake to utilize biomass/bio briquettes based on availability to reduce coal consumption. Accordingly, the boiler be designed for multi-fuel combustion.

**12.** The Existing unit has 1 x 16 TPH, 1 x 10 coal fired boilers and 1 x 6 TPH furnace oil fired boilers. Additionally, 1 x 50 TPH coal fired boiler and 1 x 10 lakh k.cal/hr and 1 x 6 lakh k.cal/hr furnace oil fired thermic fluid heaters will be installed as part of expansion. Existing boilers will be kept as standby after expansion. Electro Static Precipitators (ESP) with a stack with height of 60 m will be installed for controlling the particulate emissions within statutory limit of 115 mg/Nm<sup>3</sup> for the proposed boiler.

**13.** The Project proponent committed to comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996. The Onsite and Offsite Emergency plan will be implemented as cited in the provisions of the Rules.

**14. Details of Process emissions generation and its management:** Process emissions contain ammonia, carbon dioxide, hydrogen, hydrogen bromide, bromine, chlorine, sulfur dioxide and hydrogen chloride. Ammonia, hydrogen chloride, hydrogen bromide is sent to scrubber in series. Sodium chloride from HCl scrubbing, sodium bromide from hydrogen bromide scrubbing, ammonium chloride from ammonia, sodium sulphate from sulfur dioxide scrubbing is sent to ETP. The other gas expected in the process is carbon dioxide is let out into atmosphere following a standard operating procedure, while hydrogen gas is let out into atmosphere through a water column.

**15.** Details of solid waste/hazardous waste disposal and process emissions generation and its management are as per the plan provided in the EIA & EMP report and as deliberated in the EAC. The project documents are available on PARIVESH portal which can be accessed at <http://parivesh.nic.in>.

**16.** The proposal was considered by the **Expert Appraisal Committee (Industry-3 sector), in its meetings held on 16-17 February, 2022 and 24-25 March 2022** in the Ministry through video conferencing, wherein Project Proponent and their accredited Consultant [M/s. Team Labs and Consultants, Accreditation Number QCI/NABET/ENV/ACO/22/2198, valid till 04.04.2022], presented the EIA & EMP report. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <http://parivesh.nic.in>.

The EAC, constituted under the provision of the EIA Notification, 2006 comprising Experts Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in the desired format along with EIA& EMP reports prepared and submitted by the Consultant accredited by the QCI/NABET on behalf of the Project Proponent.

The EAC noted that the project proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

The Committee noted that the EIA/EMP reports is in compliance of the TOR and reflect the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measures towards Air, Water, Noise and Soil pollutions. The Committee also suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices. The committee also deliberated on the water balance data and found it satisfactory. The EAC also made detailed deliberations on the information which was sought by the EAC in its earlier meeting and found in order.

The Committee noted that the Ministry has granted earlier EC on 30.07.2007 to M/s. Nagarjuna Agrichem Ltd. Further, the EC was transferred to M/s. NACL Industries Ltd. The Integrated Regional Office, MoEFCC, vide letter dated 12.03.2021 & 13.12.2021, submitted the certified compliance report. The EAC deliberated the certified compliance status of the earlier EC and its action plan and found in order.

The Committee also deliberated the Onsite and Offsite Emergency plan and various mitigation measures to be proposed during implementation of the project and advised the PP to implement the provisions of the Rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.

The Committee also deliberated the Onsite and Offsite Emergency plan and various mitigation measures to be proposed during implementation of the project and advised the PP to implement the provisions of the Rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

The EAC deliberated on the proposal with due diligence using the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC also found the proposal in order and recommended for the grant of environmental clearance.

**17.** The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary

permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

**18.** Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-3 Sector), Ministry of Environment, Forest and Climate change hereby accords **the Environmental clearance for “Expansion of Agrochemicals Manufacturing Unit (From 30 TPD to 70.1 TPD) and inclusion of Bio-based agrochemicals and Captive Cogeneration Power Plant 6 MW at Sy. No. 177, Arinama Akkivalasa village, Etcherla mandal, Srikakulam District, Andhra Pradesh by M/s. NACL Industries Limited”** under the provisions of the EIA Notification, 2006, subject to the compliance of terms and conditions as under: -

**A. Specific Conditions:**

- (i). The PP shall 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.
- (ii). The PP shall 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.
- (iii). The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- (iv). No banned chemicals/pesticide shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.
- (v). The project proponent shall comply with the environment norms for Pesticide Industry as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 446(E), dated 13.06.2011 under the provisions of the Environment (Protection) Rules, 1986.
- (vi). All Necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The Project proponent shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.
- (vii). The 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.

- (viii). The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
- (ix). The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
- (x). Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.
- (xi). 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.
- (xii). The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- (xiii). Volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97% with effective chillers/modern technology.
- (xiv). Total fresh water requirement shall not exceed 1075 m<sup>3</sup>/day. Prior permissions in this regard shall be obtained from the concerned regulatory authority.
- (xv). As already committed by the project proponent, Zero Liquid Discharge (ZLD) shall be ensured and no waste/treated water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities. Treated Industrial effluent shall not be used for gardening/greenbelt development/horticulture purpose
- (xvi). The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.
- (xvii). The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high-pressure hoses for equipment clearing to reduce wastewater generation.

- (xviii). The green belt of at least 5-10 m width shall be developed in nearly 34% of the total project area (2500 trees per ha i.e. 34440 nos.) mainly along the plant periphery/adjacent areas, as committed by the PP. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map. Trees have to be planted with spacing of 2m x 2m and number of trees have to be increased accordingly. The plant species can be selected that will give better carbon sequestration and plantation shall be completed within six months.
- (xix). The activities and the action plan of the issues raised during public hearing to address the socio-economic issues in the study area, shall be completed as per the schedule presented before the Committee and as described in the EMP report in letter and spirit. The compliances report shall be submitted to IRO, MoEFCC Lucknow.
- (xx). A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

**B. General Conditions:** The grant of environmental clearance is further subject to compliance of other general conditions as under: -

- (i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. 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/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (ii) The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.
- (iii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
- (iv) 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 the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (v) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (vi) 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.

- (vii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (viii) The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated 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.
- (ix) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.
- (x) 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 and at <https://parivesh.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.
- (xi) 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.
- (xii) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

**19.** The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

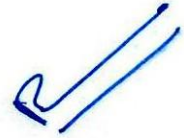
**20.** Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

**21.** Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

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

by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

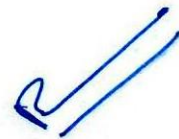
23. This issues with approval of the competent authority.



**(Dr. R. B. Lal)**  
**Scientist 'E'/Additional Director**  
Tele-fax: 011-20819346  
[Email-rb.lal@nic.in](mailto:Email-rb.lal@nic.in)

**Copy to: -**

1. The Principal Secretary, Environment and Forests Department Secretariat, Government of Andhra Pradesh, B Block, Secretariat, Hyderabad-500004
2. Inspector General of Forests, Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Vijayawada Green House Complex, Vijayawada, Andhra Pradesh 520010
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi – 110032
4. The Member Secretary, Andhra Pradesh Pollution Control Board, D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamalavari, Street, Kasturibaipet, Vijayawada – 520010.
5. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
6. The District Collector, District Srikakulam, Andhra Pradesh.
7. Guard File/Monitoring File/Website/Record File/Parivesh Portal



**(Dr. R. B. Lal)**  
**Scientist 'E'/Additional Director**  
Tele-fax: 011-20819346  
[Email-rb.lal@nic.in](mailto:Email-rb.lal@nic.in)