



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

To,

The Partner

M/S FEEL ORGANIC

SK Properties, Bhabat Road Zirakpur, Opp. Dev Shopping
Complex,,Zirakpur, Distt. SAS Nagar, Punjab,SAS Nagar,Punjab-140603

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/PB/IND3/251247/2022 dated 23 May 2022. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|--|
| 1. EC Identification No. | EC22A021PB110755 |
| 2. File No. | IA-J-11011/461/2021-IA-II(I) |
| 3. Project Type | New |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk |
| 6. Name of Project | Formaldehyde manufacturing unit with production capacity of 100 MT/day located at Khasra No. 345, Village Seehpur, H. B. No. 176, Tehsil- Derabassi, District- SAS Nagar, Punjab by M/s Feel Organic. |
| 7. Name of Company/Organization | M/S FEEL ORGANIC |
| 8. Location of Project | Punjab |
| 9. TOR Date | 14 Feb 2022 |

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

Date: 24/06/2022

(e-signed)
Mr. Motipalli Ramesh
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.*

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F. No. IA-J-11011/461/2021-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jorbagh Road, New Delhi - 110003

Dated: 24th June, 2022

To

M/s Feel Organic

Village Seehpur, HB. No. - 176, Tehsil-Derabassi,
Distt. SAS Nagar, Punjab, SAS Nagar, Punjab-140103
Email: feelorganic.2021@gmail.com

Project: Setting up of Formaldehyde manufacturing unit with production capacity of 100 MT/day located at Khasra No. 345, Village Seehpur, H. B. No. 176, Tehsil-Derabassi, District- SAS Nagar, Punjab by M/s Feel Organic - Environmental Clearance

Sir,

This has reference to your proposal No. **IA/PB/IND3/251247/2022** dated 12th May, 2022, on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for Environmental Clearance to the project for Setting up of Formaldehyde manufacturing unit with production capacity of 100 MT/day located at Khasra No. 345, Village Seehpur, H. B. No. 176, Tehsil- Derabassi, District- SAS Nagar, Punjab by M/s Feel Organic.

3. The project/activity is covered under Category 'A' of item 5(f) (Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) of Schedule of Environment Impact Assessment (EIA) Notification 2006 (as amended) and requires appraisal at Central Level by Expert Appraisal Committee (EAC) as the proposed unit is located outside the industrial area.

4. The PP applied for ToR vide proposal number IA/PB/IND3/251247/2022 dated 12.1.2022 and the ToR has been issued by the Ministry, vide letter No IA-J-11011/461/2021-IA -II(I) dated 14.02.2022. The proposed unit is located outside the industrial area and the Public Hearing was conducted by Punjab Pollution Control Board on 20.4.2022. The PP applied for Environment Clearance on 12.5.2022 in Form-2 and submitted EIA/EMP Report and other documents. Due to some shortcomings, the Project was referred back to PP and reply to the same was submitted on 23.5.2022. The proposal is now placed in 32nd EAC Meeting held on 30-31 May, 2022, wherein the Project Proponent and the accredited Consultant Eco Paryavaran Laboratories and Consultants Pvt. Ltd. [Accreditation number NABET/EIA/2023/RA0211 Valid up to December, 17, 2023] made a detailed presentation on the salient features of the project.

5. The PP reported that the proposed Land area is 0.334 ha. And no R& R is involved in the Project. The proposed production capacity of Formaldehyde (CAS No. - 50-00-0) is 100 MT/ day.

6. The PP reported that there is no violation case as per the Notification No. S.O.804(E) dated 14.03.2017. Further, as some structure is visible as per KML file within the project boundary, the PP submitted letter dated 10.1.2022 as per which Industry was visited by officer of the Punjab Pollution control board on 16.12.2021 and no machinery of formaldehyde plant or any other plant was observed at the site.

7. The PP reported that there are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. River/ water body Dangri Nadi (nearest) is flowing at a distance of 1.4 km in E Direction. The PP also reported that there is no forest land involved in the project. PP reported that no Schedule I species exist within 10 km study area of the project Hence, wildlife conservation plan is not required.

8. The PP reported that Ambient air quality monitoring was carried out at 8 locations during October, 2021 to December, 2021 and the baseline data indicates the ranges of concentrations as: PM₁₀ (69-92 µg/m³), PM_{2.5} (38-59 µg/m³), SO₂ (8-10 µg/m³) and NO₂ (15-23 µg/m³). AAQ modelling study indicates that the maximum incremental GLCs after the proposed project would be 0.53 µg/m³, 0.17 µg/m³, 1.15 µg/m³ with respect to PM₁₀, SO_x and NO_x. The resultant concentration is within the National Ambient Air Quality Standards (NAAQS). Ambient noise levels were measured at 5 locations within the project location and 3 locations outside the project site within the 1 km radius of project. Noise levels varied from 48.6 dB(A) and 65.2 dB(A) during the day time and were 36.2 dB(A) and 53.4 dB(A) during night time in the study area. (P-56). Ambient noise levels were measured at 5 locations within the project location and 3 locations outside the project site within the 1 km radius of project. Noise levels varied from 48.6 dB(A) and 65.2 dB(A) during the day time and were 36.2 dB(A) and 53.4 dB(A) during night time in the study area. The obtained noise levels are well within prescribed limits for industrial area. PP reported that Ground water quality parameters and surface water quality parameters are within the permissible limits. The soil results are within the permissible limits.

9. The PP reported that total water requirement is 86 KLD of which fresh water requirement of 82 KLD will be met from the bore well. The reused water is 4 KLD. Application has been submitted to PWRDA regarding seeking permission for abstraction of ground water. Effluent of 13.7 KLD will be generated once in three months will be stored in storage tank of capacity 15 KLD and 7.3 KLD of fresh water RO reject will be generated, both will be treated in Evaporator of capacity 10 KLD. 2 KLD of treated water from septic tank will be utilized for green area demand. 2 KLD of condensate from Evaporator will be reused in cooling water demand. The plant will be based on **Zero Liquid Discharge** system.

10. The PP reported that the power requirement will be 175 KVA and will be met from the Punjab State Power Corporation Limited (PSPCL). DG set of 200 KVA (1 No.), will be used as standby during power failure. Stack (3 m) will be provided as per CPCB norms to the proposed DG set. 0.8 TPH oil fired boiler with a stack of height of 9 m will be installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm³ for the proposed boiler.

11. The PP reported that VOCs from Process Emission and fugitive emission from boiler and D.G. set. Main emission from industry will be CO₂, CO and H₂; CO₂ will be dispersed in atmosphere, H₂ will be dispersed in atmosphere through scrubber and CO will be recycled within the project. The gases will be discharge into atmosphere through stack of adequate height for proper dispersion into the atmosphere.

12. The PP reported that approximately 10 kg/day of domestic waste will be generated which will be disposed of as per the Solid Waste Management Rules, 2016 and amendments thereof. The color coded closed bins for biodegradable and non-biodegradable waste shall be placed in each section. The biodegradable waste bin will be treated in compost pits. The waste from non-biodegradable waste bin shall be given to recyclers.

13. The PP reported that around 0.1 KL/annum of Used Oil & 44 tones/annum of sludge from evaporator will generate during the process. The same will be collected, stored and disposed off as per Hazardous Waste Management Rules, 2016 and amendments thereof. Agreement with Golden petro for disposal of used oil and membership with Nimbua plant has already been done to dispose the sludge of evaporator to TSDF).

| S. No. | Name of waste | Category | Quantity | Mode of Disposal |
|--------|------------------------|----------|-----------------|------------------------|
| 1. | Used oil | 5.1 | 0.1 Kl/annum | To authorized recycler |
| 2. | Sludge From Evaporator | 35.3 | 44 tonnes/annum | To TSDF |

14. The PP reported that, no court case is pending against the proposal and no Direction issued under EPA Act/Air Act/Water Act.

15. The PP submitted that advertisement for Public Hearing was published in newspaper viz "*Hindustan Times and Punjabi Tribune*" on 15.3.2022 and the Public Hearing has been conducted by Punjab Pollution Control Board on 20.4.2022, which was presided by the Additional Deputy Commissioner. There were no issues raised during the Public Hearing.

16. The Budget earmarked towards Environmental Management Plan (EMP) is ₹ 60.66 Lakh (capital) and ₹ 12.0 lakh/annum (recurring) which includes Air pollution control [₹ 5.0 lakh (capital) and ₹ 1.0 lakh/annum (Recurring)], Industrial Water Pollution Control (Evaporator [₹ 25.0 lakh (capital) and ₹ 2.0 lakh/annum (Recurring)], Domestic Water Pollution Control (Septic Tank & Distribution pipeline) [₹ 5.0 lakh (capital) and ₹ 0.50 lakh/annum (Recurring)], Green Belt Development [₹ 8.66 lakh (capital) and ₹ 5.0 lakh/annum (Recurring)], Waste Management (HW Storage and Disposal) [₹ 2.0 lakh (capital) and ₹ 0.75 lakh/annum (Recurring)], Rain Water Recharging (Pond Adoption) [₹ 10.0 lakh (capital) and ₹ 2.0 lakh/annum (Recurring)] and Miscellaneous [₹ 5.0 lakh (capital) and ₹ 0.75 lakh/annum (Recurring)]. Industry proposes to allocate ₹ 10.0 Lakh towards CER for providing drinking water filtration system, providing books to needy student, Cremation ground, Village Seehpur, Dharamshala/ primary school and Aganwadi village Seehpur, Adoption of pond located at village Seehpur, Distribution of 1000 saplings to local villagers.

17. The Budget earmarked towards occupational health and safety is ₹ 50,000/annum. In addition to this, all the workers will be covered under ESI/Health Insurance, Personal Protection Equipment (PPE) shall be provided to workers such as Earplugs, Gloves, Eye Goggles and Helmets & Gum Boots etc. in higher noisy areas to meet OSHA standard limits of 90dB(A) for eight hours in work zone areas. Acoustics will be provided in rooms where noise creating machines work. All moving & protruding parts of machinery shall be guarded, so that worker does not come in contact with them. Proper lighting will be provided in the work place. Glares will be avoided. Exhaust fans & canopy hoods will be provided in the areas where dust & other gases are expected from the operations. First aid kit will be kept at prominent place to be used in emergent cases. All firefighting equipment will be frequently checked to see their effectiveness.

18. The industry will develop greenbelt in an area of 33.8 % i.e., 1,129.24 m² out of total area of the project Plantation will be done within the current monsoon period and 835 saplings of at least 4-5 feet height will be planted at distance of 2 m. Adequate green belt will be developed in the first year of project after the grant of EC and other Statutory compliances.

19. The PP submitted that in order to reduce the Carbon Footprint from Transportation, Electricity and Fuel Consumption, 1) High vehicle load factors need to be maintained, 2) Use of more advanced logistics planning and vehicle routing tools. It also reduces the risk of accidents, saves transit time and its cost implications, 3) The carrying capacity of the vehicle should be increased from 20 T to 30 T or 40 T, 4) Expand storage capacities at delivery points, 5) Proper maintenance of pumps and motors. It is advised that

periodic/annual maintenance of the machinery and equipment's should be done, 6) Increase in plantation in the nearby area for further reduce of the CO₂ emissions and 7) Minimum use of boiler (during restart of plant) and DG set (during power failure only) to reduce the consumption of fuel.

20. The PP proposed to set up an Environment Management Cell (EMC) and in addition to other officials it has proposed to engage EHS Manager, Supervisor and Consultant for the functioning of EMC.

21. The estimated project cost is Rs.500 Lakh including existing investment of ₹ 32 Lakhs (for land purchase). Total Employment will be 37 persons (out of which 12 will be residing within the premises).

22. The proposal was considered by the Expert Appraisal Committee (Industry-3 Sector) in its meetings held during 30-31, May, 2022, wherein the project proponent and their accredited consultant Eco Paryavaran Laboratories and Consultants Pvt. Ltd. [Accreditation number NABET/EIA/2023/RA0211 Valid up to December, 17, 2023] presented the EIA/EMP report. The Committee found the EIA/EMP report and reply of PP satisfactory and recommended the project for grant of environmental clearance. 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 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 are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee 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 deliberated on greenbelt development and is of the view that budget proposed under Greenbelt plan needs to be revised to increase the plant density and accordingly revise the EMP cost. The PP revised the Plantation cost from ₹ 5.0 lakh to ₹8.66 lakh (capital) and ₹ 1.0 lakh to ₹ 5.0 Lakh (recurring). The corresponding change in EMP cost will be ₹ 57 lakh to ₹60.66 Lakh (capital cost) and ₹ 8 Lakh to 12 Lakh (recurring). The committee agreed with the proposal of PP for adopting *miyawaki method* of plantation. The Committee suggested to plant saplings based on the pollutants and PP submitted that species like *Melia azedarach* (Indian lilac), *Syzigium cumini* (Indian blackberry), *Terminalia arjuna* (Arjun tree) and *Cassia fistula* (Golden shower) will be planted. The Committee is of the view that plantation should be completed within one year.

The Committee noted that the PP submitted an NOC to store Petroleum Class A (Methanol) in under Ground Tanks in the unit vide no F.C.A/1980/5746 dated 15.12.2021.

The Committee 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.

23. 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.

24. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-3), Ministry of Environment, Forest and Climate change hereby accords **Environmental clearance for Setting up of Formaldehyde manufacturing unit with production capacity of 100 MT/day located at Khasra No. 345, Village Seehpur, H. B. No. 176, Tehsil- Derabassi, District- SAS Nagar, Punjab by M/s Feel Organic** 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 develop Greenbelt over an area at least 1,129.24 m² by planting 835 trees within a year of grant of EC. The 835 saplings selected for the plantation should be of sufficient height preferably 6-ft. The budget earmarked for the plantation shall be ₹ 8.66 Lakh (Capital) and ₹ 5.0 Lakh (Recurring) and shall be kept in separate account and should be audited annually. PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation, method of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.
- (ii). 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. The PP shall engage at least one EHS Manager, one Supervisor and Consultant for the functioning of EMC. The PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.
- (iii). The budget earmarked towards Environment Management Plan (EMP) is ₹ 60.66 Lakhs and the Recurring cost (operation and maintenance) will be about ₹ 12.0 lakhs per annum which includes Air pollution control [₹ 5.0 lakh (capital) ₹ 1.0 Lakh (Recurring)], Industrial Water Pollution Control (Evaporator [₹ 25.0 lakh (capital) ₹ 2.0 Lakh (Recurring)], Domestic Water Pollution Control (Septic Tank & Distribution pipeline) [₹ 5.0 lakh (capital) Recurring ₹ 0.50 Lakh Green Belt Development [₹ 8.66 lakh (capital) ₹ 5.0 Lakh (Recurring)], Waste Management (HW Storage and Disposal) [₹ 2.0 lakh (capital) ₹ 0.75 Lakh (Recurring)], Rain Water Recharging (Pond Adoption) [₹ 10.0 lakh (capital) ₹ 2.0 Lakh (Recurring)] and Miscellaneous [₹ 5.0 lakh (capital) ₹ 0.75 Lakh (Recurring)]. The company 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. The budget proposed under EMP shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other

document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.

- (iv). The total water requirement will be 86 KLD (Fresh–82 KLD + recycled-4KLD) which will be met from Bore Well. The PP should ensure that Ground water utilization/ abstraction should not be above the permissible limit and only after obtaining valid NOC from CGWA/ Concerned Authority. The PP should submit the details of GW abstraction and utilization to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year. In addition to this PP shall submit the target for reduction of GW utilization to Regional Office of MoEF&CC within a period of one year.
- (v). The company 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.
- (vi). No banned chemicals 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.
- (vii). 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.
- (viii). The species specific conservation plan of Schedule-I species shall be implemented within time limit and as per the approval of the Chief Wildlife Warden of the State Government.
- (ix). 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.
- (x). The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.
- (xi). The project proponent shall explore possibilities for recycling and reusing of treated water in the unit to reduce the fresh water demand and waste disposal.
- (xii). As already committed by the project proponent, Zero Liquid Discharge shall be ensured and Effluent of 13.7 KL will be generated once in three months will be stored in storage tank of capacity 15 KLD and 7.3 KLD of fresh water RO reject will be generated, both will be treated in Evaporator of capacity 10 KLD. 2 KLD of treated water from septic tank will be utilized for green area demand
- (xiii). 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.
- (xiv). 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.
- (xv). 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.
- (xvi). 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.

- Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.
- (xvii). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.
 - (xviii). 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.
 - (xix). Total fresh water requirement, sourced from Bore well shall not exceed 82 KLD. Prior permission in this regard shall be obtained from the concerned regulatory authority/CGWA and renewed from time to time.
 - (xx). 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.
 - (xxi). 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 vapor recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
 - (xxii). The green belt of at least 5-10 m width shall be developed in at least 33.8% of the total project area (@2500 Trees per ha), mainly along the plant periphery/outside. 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 2.0 m x 2.0 m ratio and as in first year itself and subsequent years the green belt shall be monitored. The plant species can be selected that will give better carbon sequestration and dust tolerant species. As committed by PP 20% of the total plantation will be done within this monsoon. Saplings of at least 4-5 feet height will be planted to assure maximum survival rate. Complete plantation will be done within 2 years' time.
 - (xxiii). The activities and the action plan proposed by the project proponent to address the issues raised during public hearing and socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.
 - (xxiv). 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 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 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.

25. 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.

26. 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.

27. 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.

28. 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.

This issues with approval of the competent authority.


(Dr. Motipalli Ramesh)
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Copy to: -

1. The Principal Secretary, Forests & Environment Department, Government of Punjab.
2. The Deputy Director General of Forests (C) Ministry of Env., Forest and Climate Change, Integrated Regional Office, Chandigarh.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32.
4. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, Punjab.
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 SAS Nagar, Punjab.
7. Guard File/Monitoring File/Website/Record File/Parivesh Portal


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