

Proceedings of the public hearing conducted on 18.09.2018 in connection with the application filed by M/s Trigun Organics, under the EIA notification dated 14.9.2006 for establishment of an industrial unit for the manufacturing of formaldehyde @ 100 TPD in the revenue estate of Village Toffanpur, Tehsil Dera Bassi, District SAS Nagar.

The following were present to supervise the proceedings:

1. Sh. Charan Dev Singh Mann, PCS,
Additional Deputy Commissioner (General),
SAS Nagar
2. Er. Kuldip Singh,
Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, SAS Nagar
3. Er. Parveen Kumar Saluja,
Environmental Engineer (Mega),
Punjab Pollution Control Board,
Patiala.

Environmental Engineer (Mega), Punjab Pollution Control Board, Patiala welcomed the Supervising-cum-Presiding Officer and people from adjoining towns/villages, who came to attend the public hearing of this project for the proposed project to be located in the revenue estate of Village Toffanpur, Tehsil Dera Bassi, District SAS Nagar. He informed that an application was filed by M/s Trigun Organics, Village Toffanpur, Tehsil Dera Bassi, District SAS Nagar with the MoEF&CC, Govt. of India, New Delhi for getting Environmental Clearance under EIA notification no. 1533 (E) dated 14.9.2006 to establishment of an industrial unit for the manufacturing of formaldehyde @ 100 TPD. After considering the application of the industry, the MoEF&CC had issued 'Terms of Reference' to the industry for preparation of draft EIA study report. Now, the industry has submitted draft EIA report to the Punjab Pollution Control Board for conducting public hearing of the project as per the procedure prescribed in the EIA Notification dated 14.09.2006. Environmental Engineer (Mega) apprised the public present there about the requirement of conducting the public hearing before deciding the

application filed by the industry for getting the said clearance for carrying out expansion at the said site. He also brought into the notice of public that a copy of the draft EIA report alongwith the executive summary of the same submitted by the industry to the Punjab Pollution Control Board was placed in the office of Chairman, Zila Parishad, SAS Nagar; Deputy Commissioner, SAS Nagar; General Manager, District Industrial SAS Nagar; Regional Office of MoEF&CC at Chandigarh; Environmental Engineer, Regional Office, Punjab Pollution Control Board, SAS Nagar for access to the public and other stakeholders. He further brought out that a notice of public hearing was published in two prominent newspapers namely, 'The Tribune' (English Daily) and 'Ajit' (Punjabi Daily) dated 11.08.2018 to make the public aware of the date, time & venue of the public hearing and about the places/offices, where the public could access the draft EIA report and its executive summary report before the said hearing. Thereafter, he requested the representative of the project proponent, who is the Environmental Consultant of industry to elaborate about the main features of the project and the draft EIA study report.

Environmental consultant of the promoter company, brought out the details of the project proposal before the public as under:

- M/s Trigun Organics is proposing to setup a manufacturing unit of Formaldehyde (37% liquid in water) with the capacity of production of 100 M.T per day at Village Toffanpur, Tehsil Derabassi, District S.A.S. Nagar.
- Industry is a partnership firm started with the objective to get involved in the business of manufacturing & trading in organic chemicals & allied products, was established on 28th Sep, 2017.
- Proposed project shall be established over the purchased land which is already under the possession. The total land area for the proposed project is 0.255 Ha.
- As per EIA Notification dated 14th Sept., 2006 and amended from time to time, the proposed project of manufacturing of Formaldehyde (37% liquid in

water) falls under Activity 5(f) for project covered under "Synthetic Organic Chemicals Industry".

- The location of the project being outside the notified industrial area, and due to the presence of the interstate boundary of Haryana and Punjab within 5 km from the project site makes the general condition applicable for the proposed project. Therefore, the project shall be treated as Category "A" and will be appraised at MOEF&CC.
- The Expert Appraisal Committee (Industry 2) of MoEF&CC has issued Standard ToR for the proposed project vide file no: No.IA-J-11011/54/2018-IA-II (I) on dated 22nd March 2018.
- The silent features of the project are as under:-

| Sr. No. | Particulars | Details |
|---------|---|---|
| 1. | Applicant Name | Mr. Rajendra Pal Singla (GM) |
| 2. | Authorised Signatory | Jit Kumar Singla |
| 3. | Name of the company & Registered address | M/s Trigun Organics, SCF-422, Motor Market, Manimajra, Chandigarh-160101 |
| 4. | Project Activity | Manufacturing of Formaldehyde (37% liquid in water) with the capacity of production of 100 M.T per day at Village Toffanpur, Tehsil Dera Bassi, District SAS Nagar. |
| 5. | Category as per EIA Notification dated 14.09.2006 | The project falls in Category "A" or Activity 5(f) for project covered under "Synthetic Organic Chemicals Industry". |
| 6. | Total project area | 0.255 Ha. |
| 7. | Coordinates | Latitude 30°29'50"N to 30°29'52"N Longitude 76°50'48"E to 76°50'50"E |
| 8. | Land use at the project site | Industrial Purpose |
| 9. | Manpower | During construction phase approx. 20 persons will be required. Whereas it is estimated that total 25-30 persons will be required for the proposed project |

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| | | during operation phase. |
| 10. | Nearest highway | National Highway NH-22 is at a distance of 4.2 km. |
| 11. | Nearest Railway Station | <ul style="list-style-type: none"> • Dappar Railway station is at a distance of 4.4 km (Approx.) in North-West direction. • Lalru Railway Station is at a distance of 5.5 km (Approx.) in South-West direction. • The nearest major railway station is Ambala Railway station is at a distance of 17.7 km (Approx.) in South direction. |
| 12. | Nearest airport | International Airport, Mohali is at a distance of 20.5km (Approx.) in NNW direction. |
| 13. | National Parks/ Wild Life Sanctuaries / Biosphere Reserves / RF & PF within 10km radius | <ul style="list-style-type: none"> • There is no National Park and Biosphere Reserve within 10 Km radius. • No RF/PF within the 10 KM of the project site. |
| 14. | Nearest city/settlement | <ul style="list-style-type: none"> • Lalru is at a distance of 5.80 km (approx) in South-West direction. • Toffanpur is at a distance of 1 km (approx) in NW direction. |
| 15. | Interstate Boundary | Punjab-Haryana interstate boundary is at a distance of 4.3 km in East direction. |
| 16. | Rivers /Canal | <ul style="list-style-type: none"> • Tangri River is at a distance of 7.8 km (approx) in East direction. • Ghagghar River is at a distance of 8.0 km(approx) in WSW direction. • Jarmal Nadi is at a distance of 3.6 km (approx) in WNW direction. • Dangri Nadi is at a distance of 8.2km (approx) in South East direction. |
| 17. | Seismic Zone | Zone-IV |
| 18. | Project cost | Rs.465 Lakh |
| 19. | Cost for Environmental Protection | Rs. 11.5 Lakhs |
| 20. | Recurring cost per | Rs.8 Lacs/annum |

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| | annum | |
| 21. | ESR activity cost | Rs.10.5 Lakhs |
| 22. | Working days | 300 days |

➤ **Raw Material Requirement**

| Sr. No. | Particular | Quantity | Source of the Raw Material & Mode of Transportation |
|---------|-----------------------------|------------|--|
| 1. | Methanol | 45.5 MTPD | Sourced from kandla port, Mumbai & transported via Rail and Road network |
| 2. | WATER | 50 KLD | Own Bore well |
| 3. | Silver Granular | 0.05 Kg PD | Sourced from local market & transported via road network |
| 4. | Wood Briquette (for Boiler) | 0.5 TPD | Sourced from local market & transported via road network |

➤ **Total water requirement**

| S. No. | Particulars | Proposed Requirement (KLD) | Source |
|--------|------------------|----------------------------|--|
| 1. | Domestic Water | 1.2 | Source: Ground Water through bore well |
| 2. | Industrial Water | 50 | |

➤ **Power Requirements**

| S. No. | Particulars | Details | Source |
|--------|--|---------|---|
| 1. | Total Connection Load | 250 KW | Source: PSTCL (Punjab State Transmission Corporation Ltd) |
| 2. | Average running load power requirement | 175KW | |

➤ **Boiler Details**

| S. No. | Particular | Details |
|--------|--------------------|---------------------------|
| 1. | Type of Fuel | Fire wood/ wood briquette |
| 2. | Fuel consumption | 20 kg /hr. |
| 3. | Capacity of Boiler | 600 kg/hr. |
| 4. | Stack Height | 20 m |

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|----|----------------------------|-----------|-------------------------------------|
| 5. | Pollution Control Measures | Equipment | Scrubber with suitable stack height |
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➤ **Mitigation Measures for control of Pollution.**

➤ **Air Pollution Control**

- All the exhaust gas emissions will be channelized all through the process and will be reused for various purposes like heating & remained chemical utilization. At the end the remaining gas will be exhausted through a chimney.
- Scrubber shall be installed for scrubbing the residual Formaldehyde from the main product stream which also controls the odour problem.
- As per MoEF guidelines, regular monitoring of air emissions and ambient air quality will be carried out through MoEF&CC approved laboratories.
- Green belt in around 33% area will be developed (125 no of tress) which will acts like adsorbent of air pollutants.
- To combat fugitive emissions roads are paved and regularly swept.
- Water sprinklers are provided for suppression of dust.
- Vehicular exhaust is being maintained by providing regular maintenance and servicing of vehicles and same will be continued for future also.

➤ **Waste Water Treatment**

- Fresh water requirement of the project will be met by ground water through tubewell.
- Domestic wastewater @ 1.2 KLD will be treated in septic tank & will be utilized for greenbelt development to reduce the water consumption.
- The waste water generated from the Industrial use will be treated in ETP with tertiary treatment.
- ETP treated water will be reused in the process to reduce the water demand.

➤ **Noise Management**

- The green belt will (plantation of dense trees across the boundary) help in reducing noise levels in proposed plant as a result of attenuation of noise generated due to plant operations, and transportation.
- Earmuffs would be used while running the equipment of the plant.
- D.G sets are provided with acoustic to control the noise level within the prescribed limit.
- A high standard of maintenance will be practiced for plant machinery and equipment, which helps to avert potential noise problems.

➤ **Solid waste/hazardous waste management**

- Boiler ash stored separately & will be given to farmers.
- ETP sludge will be disposed at TSDF site situated near Nimbua, Dera Bassi.
- Discarded Bags will be collection, storage & separately and sell to authorized vendor.
- Used spent oil category 5.1 shall be sold to the registered recyclers.

➤ **Green area development**

- Green belt will be developed over 33% area of the total plant area. Out of the 0.255 ha of the plant area, about 0.0836 ha of area will be developed as greenbelt which is approx. 33%.
- This greenbelt will serve as a buffer between the peripheries and the industry, there by controlling the air emissions and noise levels. Indigenous trees with tree density of 1500 trees per hectare (600 nos. of plant per acre) with local board leaf specification will be planted.
- Total numbers of plants required to cover 0.084 ha. area is 125.
- A budget of Rs. 50 Lakhs has been kept for Green belt development.

➤ **Corporate Social Responsibility**

Break up of amount to be spent on the various CSR activities is given below:-

| Sr. No. | Name of Village | Activity Proposed | Cost (Lakhs) |
|----------------|------------------------|--------------------------|---------------------|
|----------------|------------------------|--------------------------|---------------------|

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|--------------|------------------|--|------|
| 1. | Toffanpur | Tree plantation, Environment awareness camp | 2.0 |
| 2. | | Health Camp | 2.0 |
| 3. | | Skill development & Computer literacy | 2.0 |
| 4. | Derabassi | Construction of one classroom in the middle school of village and its upkeep | 3.5 |
| 5. | | Sanitation program | 1.0 |
| Total | | | 10.5 |

➤ **Socio-Economic Environment**

- M/s Trigun Organics will actively contribute to improve the socio – economic conditions of the area and also will actively participate in various socio economic activities like; educational campaigns, health check-ups, training programme etc. (as per the need) which will lay stress on the overall development of the project site.

➤ **CONCLUSION**

- M/s Trigun Organics will generate a fair amount of direct, indirect and induced employment in the region. The local economy will receive a boost due to employee spending and services generated by the company. Due to the implementation of the project activity there shall be improvement in the standard of living viz. better education, improved health, sanitation facilities etc. This shall envisaged as a major positive benefit.
- The company’s management shall recruit semi-skilled and unskilled workers from the nearby villages due to availability of local labors. The employment provided due to the proposed project would rapidly increase the social status of the villagers.
- Company commitment towards environment & using the latest technology, along with optimal usage of available resources will reduce the impact and makes the project viable.

Thereafter, Environmental Engineer (Mega), Punjab Pollution Control Board, Patiala brought into the notice of public present at the venue of hearing that as per the provisions of EIA notification dated 14.9.2006, as amended from time to

time, the persons present at the venue may seek any information or clarifications on the project from the project promoter. It was also brought into the notice of the persons present there that the information or clarifications sought by them and reply given by the project proponent will be recorded in the proceedings of the hearing, which will be sent to the Ministry of Environment, Forests & Climate Change for further consideration. Accordingly, he requested the persons present in the hearing to seek information or clarifications on the project one by one. He also informed that no information / clarifications / comments / views / suggestions / objections on the project have been received from the public in writing by the Board, so far.

Thereupon, the detail of the information / clarifications sought by the persons present at the venue of hearing and the reply given by the project proponent is as under:

| Sr. No | Name of the person | Detail of query / statement / information / clarification sought by the person present at the venue of hearing. | Reply of the query / statement / information / clarification given by the project proponent |
|---------------|---|---|--|
| 1. | Sh. Rajinder Singh, Panchayat Samiti Member, Toffanpur, Tehsil Dera Bassi, District SAS Nagar | <p>1. He wanted to know as to whether the wastewater discharged from the project will create any adverse impact on the agriculture crops or on the animals moving around the industry.</p> <p>2. He further wanted to know as to whether the area of project will be sufficient for utilizing the wastewater.</p> | <p>Project proponent informed that the entire wastewater will be treated in effluent treatment plant. Thereafter, it will be used for plantation purposes within the project site and no wastewater will be discharged outside the boundary of the project. Hence, there will be no adverse impact on the agriculture crops or on the animals moving around the industry.</p> <p>The total area of the project is 0.225 hectare out of which 33% area (0.0836 hectare) will be developed as a green belt by utilizing treated wastewater. The project is</p> |

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| | | | based on zero liquid discharge ZLD. Excess treated water will be reused back into the process for various industrial activities. |
| 2. | Sh. Jagir Singh, Ex. Sarpanch, Village Toffanpur, Tehsil Dera Bassi, District SAS Nagar | He stated that the employment should be given to the people of their village. | The project proponent informed that during the employment in the industry, the preference will be given to the local village people as per their qualification. |

This public hearing was attended by 43 persons. Environmental Engineer (Mega), Punjab Pollution Control Board, Patiala further requested the persons present at the venue of hearing that if anyone else wants to seek any information/ clarification on the proposed expansion project, but no one came forward. After that people were asked to raise their hands who are in favour of this proposed project and most of the people present raised hands in favor of the project.

The hearing ended with vote of thanks to the Supervisor-Cum-Presiding Officer and the public present in the hearing.

(Parveen Kumar Saluja)
Env. Engineer (Mega)
PPCB, Head Office,
Patiala

(Kuldip Singh)
Env. Engineer,
PPCB, Regional Office,
SAS Nagar

(Charan Dev Singh Mann), PCS,
Addl. Deputy Commissioner (Gen)
SAS Nagar