

Proceedings of the public hearing conducted on 30.11.2021 in connection with application filed by M/s Flourish Paper & Chemicals Ltd., for obtaining environmental clearance as required under EIA notification dated 14.09.2006 for expansion of its industrial unit located in the revenue estate of Village Bhagwanpur, Tehsil Dera Bassi, Distt. SAS Nagar, Punjab.

The following were present to supervise the proceedings:-

- 1) Sh. Himanshu Aggarwal,
Additional Deputy Commissioner (D),
SAS Nagar
- 2) Smt. Jawinder Kaur,
Chairman, Zila Parishad,
SAS Nagar
- 3) Er. Lavneet Kumar Dubey,
Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, SAS Nagar
- 4) Er. Rantej Sharma,
Assistant Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, SAS Nagar
- 5) Er. Birdevinder Singh,
Assistant Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, SAS Nagar

Assistant Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar welcomed the Supervising-cum-Presiding Officer and people from adjoining towns/ villages, who came to attend the public hearing of this project. He informed that M/s Flourish Paper & Chemicals Ltd., has filed an application in the office of Ministry of Environment, Forest & Climate Change, Govt. of India, New Delhi for getting Environmental Clearance under EIA notification no. 1533 (E) dated 14.09.2006 for expansion of its industrial unit for manufacturing of new technical pesticides 11700 TPA alongwith its existing products located at Village Bhagwanpur, Tehsil Dera Bassi, Distt. SAS Nagar, Punjab. He 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 establishment of the unit. He also brought into the notice of public that the industry has submitted copies of draft rapid EIA report alongwith the executive summary of the same and a copy of each such document was placed in the office of Deputy Commissioner, SAS Nagar, Zila Parishad, SAS Nagar, Municipal Council, Dera Bassi, Regional Office of MoEF & CC at Chandigarh and Regional Office, SAS Nagar of the PPCB for access to the public and 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) on 27.10.2021 to make the public aware of the date, time and 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 / environment consultant of the industry to elaborate about the main features of the project and the draft EIA study report.

Sh. Ranbir Singh Rana, Environment Consultant of M/s Wolkem India Ltd., Udaipur, Rajasthan, Environmental consultant of the promoter company brought out the details of the project proposal before the public as under:

- Flourish Paper & Chemicals Ltd is going for expansion of its project i.e. for establishment of new technical grade pesticides manufacturing unit of capacity 11700 TPA.
- Proposed unit will be developed in 32237.52 m² of area already in the possession of the industry.
- The total cost of proposed expansion project is Rs. 10.62 crores.
- After expansion, the total manpower will be 127 including existing 47.
- The budget for CER is approx. Rs. 10 lac i.e. 1% of project expansion cost shall be allotted for development of locals and surrounding villages.
- Total 35953.47 m² area is available at the site. However, as per the latest condition in the Terms of Reference issued by MoEF & CC regarding greenbelt norms of 33 % area of the total plot area i.e. about 11865 m² (33%) is covered under green area at projects site.
- Total Power requirement for proposed expansion project will be 500 KW. After expansion total power requirement will be 750 KW (Existing: 250 KW & Proposed: 500 KW) which will be sourced from Punjab State Power Cooperation Limited.
- At present, there is 01 no. boiler of capacity 3.5 TPH & wood/ briquettes is being used as fuel in said boiler which is equipped with multicyclone dust collector and a stack height of 30 m. Now the industry has proposed to install an additional boiler of capacity 4 TPH and total fuel to be used in both the boilers is Rice Husk Briquettes @ 9 MTD. However, Multicyclone with dry scrubber as APCD shall be provided with the new boiler.
- At present, the industry is having 01 no. DG Set of 200 KVA capacity. The industry is proposing to install 01 no. additional DG set of 500 KVA. Stack height of chimney will be 5 m to be provided with the proposed DG Set.
- Total water consumption after expansion will be 189.8 KLD which will be met from its tube well. NOC permission from CGWA for abstraction of 90 KLD has already been taken and remaining 99.92 KLD quantity shall be fulfilled from recycled water.
- The baseline environmental study was conducted within 10 km radius of the project site from 01.11.2020 to 31.01.2021. The following mitigation measures have been proposed:

a) Air

- Multi-cyclone and dry scrubber as APCD equipped with chimney of height 30 m shall be provided to control the emission of SPM, SO_x & NO_x from boilers. There will be generation of HCl, SO₂, Solvent Vapours pesticides in form of PM from Process Vent will be scrubbed in caustic scrubber, VOC Control system and activated carbon adsorption system equipped with chimney of 15 m. SPM, SO_x & NO_x from Incinerator equipped with caustic scrubber as APCD having stack of 30 m.

- Usage of respiratory protective equipment for all employees will be ensured. From air modeling study, it has been proved that the air emission from the proposed expansion project will not be increased significantly.
- The company will develop greenbelt along the periphery of the proposed site and in area available outside the company premises which shall greatly serve as an efficient barrier for prevention of air pollution and odor outside the plant premises. While making choice of plant species for green belts, weightage was given to the natural factor of bio-climate.
- Only PUC vehicle will be used for the transportation.

b) Water

- Total industrial Waste Water Generation will be 189.8 KLD, out of which 102.6 KLD shall be generated from Process, 23.18 KLD from RO reject, 1 KLD from Boiler/ Cooling, 0.90 KLD from Scrubber, 0.9 KLD from Reactor washing and 0.90 KLD from Lab. The wastewater will be treated in upgraded ETP/MEE. Total 125.78 KLD of waste water i.e. from process & Ro reject will be treated in the proposed MEE. Other effluent including MEE condensate will be sent to ETP. ETP treated effluent will be sent to RO plant. RO permeate will be recycled in utilities. Thus, there will be a Zero Liquid Discharge (ZLD). Sewage quantity of 7.20 KLD will be generated and it shall be treated in new STP and treated sewage will be used in plantation.
- The unit has provided garland drain around the storage tank of raw materials and also provided central drain line connected to the collection pit to avoid contact of any accidental spillages with the domestic and storm water drain.
- Wastage of water will be strictly avoided. Awareness for conservation of water will be spread amongst the labourers

c) Soil

- Generated top soil will be stored separately within plant premises. Construction waste will be categorized in to recyclable and non-recyclable and stored separately. Recyclable construction waste will be sent for recycling and non-recyclable waste will be sent to the authorized dealers for disposal. Debris will be stored separately and will be reused within premises for land leveling in due time. Top soil will be reused within premises for green belt plantation.
- Solid hazardous waste generated from the process, will be properly handled and shall be disposed as per rules. Proper storage area will be provided with lining to avoid leakage. Closed collection container for storage and transportation of all hazardous wastes within the plant and outside shall be kept.
- Proper spill control measures will be implemented. Regular road sweeping will be done for recovery of dust from the spilled areas within the plant boundary.

d) Noise

- Vibration pads will be installed for major construction equipments. High noise generating activities will be avoided during night-time and their frequency will be minimized to

avoid continuous noise exposure. Ear muffs and ear plugs to prevent continuous noise exposure risk to laborers working on site shall be provided

- Regular maintenance & lubrication of utilities and equipments is being carried out and same will be continued, Operator shift rotation is will be done for plant operation. Less noise creating machineries and motors is will be used for manufacturing process.

Thereafter, Environmental Engineer, Regional Office, SAS Nagar brought into the notice of public present at the venue of hearing that as per the provisions of EIA notification dated 14.09.2006, 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.

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:-

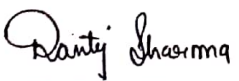
Sr. No.	Name & address of the person	Detail of query/ statement/ information/ clarification sought by the person present at the venue of hearing	Reply of the query/ statement/ information/ clarification given by the project proponent
1)	Sh. Jasvir Singh, Sarpanch, Village Bijjanpur, Dera Bassi	We have demand that in our area there is lot of industries situated / established but even then there is unemployment in our area. We request the industries located near to our villages should cooperate with us. Our children should be employed in these industries. Even children from poor family could not study till 7-8 class. These children should be employed in these industries as gardener, peon, etc as unskilled labour. When industry is established they show the wastewater is being treated and not being discharged outside the industry. But the reality is they are disposing in underground. Here Cancer disease is spreading in our villages. We have no objection w.r.t. establishment of this industry. The industry be established by keeping above matter in mind. The environment should be clean, there should be no increase in pollution and	The project proponent assured that maximum preference will be given to local skilled labour. Environment Consultant of the project proponent further replied that 33% plantation will be carried out. About 600 broad leaf plant will be planted per acre. Plantation will be carried out in the Shamlat land of the village. No wastewater will be discharged from the industry.

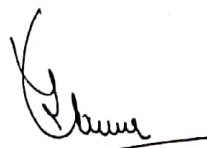
		odour problem.	
2)	Sh. Jagdip Ram, Sarpanch, Village Kuranwala, Dera Bassi	We have no objection for establishment of new industrial unit. The industry should cooperate with the people of nearby villages. People of villages in this area drinking contaminated water which leads to spreading of Cancer and Dengu diseases. To eliminate this problem drinking water should be treated. Further, education of the poor children of the nearby villages should be sponsored by such industries.	Environment Consultant of the project proponent replied that the proper mitigation measures shall be taken during and after the expansion of the industry. The project proponent assured that the industry will sponsor education of the children of poor family of the nearby villages. Further, jobs will be given to children w.r.t. their education qualification.
3)	Smt. Karamjit Kaur, Sarpanch, Village Bhagwanpur, Dera Bassi	The industries are giving employment to the labour from outside of the State of Punjab. Employment should be given to our children. Environment should be kept in mind and no pollution be created after the establishment of this industry. The industry should help by giving expenditure to the children for their development. Industry should open computer centers & funds be given to the villages for development. We have no objection w.r.t. establishment of this industry.	The project proponent assured to carry out the development works in the nearby villages under CSR activities.
4)	Sh. Surmukh Singh, Namberdar, Village Bhagwanpur, Dera Bassi	With the operation of chemical industries, the chemicals emission should not effect the throat and eyes of the people of nearby villages. We have no objection w.r.t. establishment of this industry.	The environmental consultant replied that regular monitoring will be carried out to ensure that the industry will achieve the prescribed standards.
5)	Sh. Chaman Singh, Village Behra, Dera Bassi	If any pollution control device of the industry has stopped working, then how Department will control the pollution.	The environmental consultant replied that the plant & machinery and pollution control devices are interlinked with each other. No production activity could be carried out if any problem persist in pollution control devices. Register/ proper record will be maintained for daily reading of pollution control devices.
6)	Smt. Manjit Kaur, Ex-Sarpanch, Village Bhagwanpur, Dera Bassi	People of the village should be employed in this industry. Whenever, we have any kind of work with the industry the gate keepers of the industry did not allow us to enter the industry. Industry should give their share for Dharamshala for people relates to SC category which is under	No reply was given by the owner as well as Environmental consultant as the person has not raised any query.

		construction. We have no objection w.r.t. establishment of this industry.	
7)	Sh. Manoj, Editor, Media (Dainik Bhaskar)	In Dera Bassi most polluted industries are established of the Punjab. Hazardous waste dumping area is also established in Dera Bassi. When any dumping ground and project does not established in any area then these established in Dera Bassi area. Due to poultry farms in Dera Bassi area a flies is being increasing day by day. Department should check this from time to time. Due to increase in pollution in Ghaggar people residing to the nearby area facing the breathing problem. This problem should be eliminated. In village unemployment is increasing day by day. Medical facilities and funds for education be provided. Department should check the pollution level regularly.	The Environmental consultant replied that a display will be provided for air quality data. It is added here that manual monitoring will be carried out by the monitoring agencies from time to time. Further, No reply was given by the owner as well as Environmental consultant as the person has not raised any query.
8)	Sh. Gurpal Singh, Editor, Media	This type of public hearing should be conducted in future.	No reply was given by the owner as well as Environmental consultant as the person has not raised any query.
9)	Sh. Punish Kumar, Dera Bassi	Whether the industry will be establishing the pesticides which are banned by the Govt. of India.	The Environmental consultant replied that 27 no. pesticides are banned by Govt. of India and no such pesticides will be manufactured by their industry.

Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar 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 expansion project and most of the people present raised hands in favour of the expansion plan of the project. This public hearing was attended by 65 persons.

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


(Er. Rantej Sharma)
AEE, PPCB, Mohali


(Er. Lavneet Kumar Dubey)
EE, PPCB, Mohali


(Sh. Himanshu Aggarwal),
Addl. Deputy Commissioner (Dev),
SAS Nagar