

Subject: Proceedings of the public hearing conducted on 28.07.2023 at 11:00 am in connection with the application filed by- M/s Kalsi Alloys, for obtaining Environmental Clearance as required under the EIA notification dated 14.9.2006 for the expansion of the project located at G.T. Road, Doraha, Tehsil Payal, Distt. Ludhiana, Punjab.

The following were present to supervise the proceedings:

1. **Smt. Manjeet Kaur, PCS,**
Sub-Divisional Magistrate,
Tehsil Jagraon, Distt. Ludhiana.
2. **Er. Ravinder Bhatti,**
Environmental Engineer,
Punjab Pollution Control Board,
Regional Office-2, Ludhiana.
3. **Er. Atul Kaushal,**
Asstt. Environmental Engineer,
Punjab Pollution Control Board,
Regional Office-2, Ludhiana.

Asstt. Environmental Engineer, Punjab Pollution Control Board, Regional Office, Ludhiana-2 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 expansion at G.T. Road, Doraha, Tehsil Payal, Distt. Ludhiana, Punjab. He informed that an application was filed by M/s Kalsi Alloys with the State Level Environment Impact Assessment Authority (SEIAA), Punjab for getting Environmental Clearance under EIA notification no. 1533 (E) dated 14.9.2006 to carry out for expansion of existing steel manufacturing unit to manufacture 180 TPD (63,000 TPA) of Billets/Ingots or Rolled Products (Wire rods, Flats, TMT Bars etc.) with one Induction Furnace of capacity 12 TPH and Rolling Mill at G.T. Road, Doraha, Tehsil Payal, District Ludhiana, Punjab. After considering application of the industry, the SEIAA, Punjab issued 'Terms of Reference (TOR)' to the industry for preparation of draft EIA study report. The industry had submitted the draft EIA report to Punjab Pollution Control Board for conducting public hearing of the project as per the procedure prescribed in the EIA notification dated 14.9.2006. Environmental Engineer apprised the public present there about the requirement of conducting the public hearing before deciding on the application filed by the industry for getting the said clearance for carrying out expansion of the existing unit. He also brought into the notice of public that the industry had 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, Ludhiana; General Manager District Industrial Centre, Ludhiana; Regional Office of MoEF&CC at Chandigarh and Regional Office, Punjab Pollution Control Board Ludhiana 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" & "Jag Bani" on 28.06.2023 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/Environmental Consultant of the industry to elaborate about the main features of the project and the draft EIA study report.

Sh. Charanjit Singh, Environmental Consultant of M/s Eco Paryavaran Laboratories & Consultants Pvt. Ltd., brought out the details of the plan of the project before the public as under:

Name of the Project	M/s Kalsi Alloys					
Type of Project	Expansion of the existing Steel Manufacturing Unit					
Location	G.T. Road, Doraha, Tehsil Payal. District Ludhiana, Punjab					
Furnaces	<p>Existing: 1 Induction Furnace of capacity 7 TPH</p> <p>Proposed: Replacement of existing IF of capacity 7 TPH with Induction Furnace of 12 TPH along with installation of Rolling Mill</p> <p>Overall After Expansion: 1 Induction Furnace of capacity 12 TPH and Rolling Mill</p>					
Features within 10 km Radius	i. Archaeological important places	Nil				
	ii. Wild life sanctuaries	Nil				
	iii. Reserved/Protected forest	Nil				
	iv. Historical places	Nil				
	v. River/Canal	Sirhind Canal; approx. 2.4 km; E				
	vi. Industries	Industrial zone as per Master plan of Ludhiana				
	vii. Biodiversity Heritage Site	Nil				
Total Land	Existing	Proposed	Total (After Expansion)			
	7,334.86 sq.m (1.8125 acres)	-	7,334.86 sq.m (1.8125 acres)			
Product	Description	Capacity		Products		
	Existing	84 TPD (29,400 TPA)		Ingots		
	After Expansion	180 TPD (63,000 TPA)		Billets/Ingots or Rolled Products (Wire rods, Flats, TMT Bars etc.)		
Raw Materials/sources:	S. No.	Description	Raw Materials	Quantity	Source	Mode of transport
	1.	Existing Unit	Scrap & Ferro Alloys	92 TPD (32,200 TPA)	Mostly from Local suppliers of Mandi Gobindgarh or Ludhiana	By road through trucks (No. of trucks required = 5 trucks per day)
2.	After Expansion	192 TPD (67,200 TPA)		By road through Trucks. (No. of trucks required = 10 trucks per day)		

No. of Workers	<p>Existing manpower: 30 workers (including both technical & non-technical). Out of this, 10 workers are residing within the project premises.</p> <p>Proposed manpower: 30 additional workers will be hired.</p> <p>Total after expansion: 60 workers (including both technical & non-technical). Out of which, 15 workers will be residing within project premises.</p>																
Cost of the Project (Rs.)	<p>Existing project cost: Rs. 4.36 Crores</p> <p>Proposed cost: Rs. 6.80 Crores</p> <p>Total cost of the project after expansion: Rs. 11.16 Crores</p>																
Cost of Pollution Control System	<p>Rs. 81 lakhs and Rs. 15 lakhs per annum (recurring)</p> <ul style="list-style-type: none"> • Air Pollution Control: Rs. 60 lakhs • Water Pollution Control: Rs. 5 lakhs • Noise Pollution Control: Rs. 2 lakhs • Development of Green belt: Rs. 4 lakhs • Others: Rs. 10 lakhs 																
Power Requirement	<p>Existing: 2,500 KW</p> <p>Proposed: 1,500 KW</p> <p>Total after expansion: 4,000 KW</p>																
Source of Power	Punjab State Power Corporation Limited (PSPCL)																
Water Consumption (KLD)	<p>Total water demand is estimated to be 34 KLD and fresh water demand is estimated to be 31 KLD.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Purpose</th> <th style="width: 20%;">Existing water demand (KLD)</th> <th style="width: 40%;">Total water demand after expansion (KLD)</th> </tr> </thead> <tbody> <tr> <td>Make-up water for cooling demand</td> <td style="text-align: center;">15</td> <td style="text-align: center;">24</td> </tr> <tr> <td>Domestic water demand</td> <td style="text-align: center;">5[#]</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Green area demand</td> <td style="text-align: center;">-</td> <td style="text-align: center;">6</td> </tr> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">20</td> <td style="text-align: center;">34</td> </tr> </tbody> </table> <p>[#]Existing water demand mentioned in Consent to Operate is taken on higher end.</p>		Purpose	Existing water demand (KLD)	Total water demand after expansion (KLD)	Make-up water for cooling demand	15	24	Domestic water demand	5 [#]	4	Green area demand	-	6	Total	20	34
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Effluent Quantity	<p>Domestic wastewater = 3.2 KLD (after expansion)</p> <p>Treated water = 3 KLD</p> <p>Cooling = (Recirculation)</p>																
Effluent Treatment	3.2 KLD of domestic wastewater will be treated in proposed STP of capacity 5 KLD and treated water will be reused for cooling purpose within project premises.																
Ambient Air Quality	<p>Baseline monitoring of M/s Allied Recycling Ltd. (Unit II) for the period March to May, 2021 has been considered. Further, additional one-month monitoring has been done at project location during 15th October, 2022 to 15th November, 2022.</p> <p>Average value of ambient air result at project location are found to be: $PM_{10} = 155.50 \mu\text{g}/\text{m}^3$, $PM_{2.5} = 94.13 \mu\text{g}/\text{m}^3$, $SO_2 = 12.38 \mu\text{g}/\text{m}^3$ and $NO_2 = 37.88 \mu\text{g}/\text{m}^3$. The baseline air quality levels as per the National Ambient Air Quality Standards prescribed for residential and industrial area</p>																

<p>Water quality</p> <p>Noise environment</p> <p>Soil environment</p>	<p>(Standards are 100, 60, 80 and 80 $\mu\text{g}/\text{m}^3$ for PM_{10}, $\text{PM}_{2.5}$, SO_2 and NO_2 respectively). The Mass levels of particulate dust as PM_{10} & $\text{PM}_{2.5}$ were quite higher than 24 hours average NAAQ standards. This indicates air quality deterioration in study area is due to presence of industries in areas of Ludhiana, Mandi Gobindgarh and biomass burning activities predominant in the region. However, the mass levels of SO_2 and NO_2 are much below the desired limits of 80 $\mu\text{g}/\text{m}^3$ indicates good air quality.</p> <p>Total 9 groundwater samples (8 within the study area and 1 at project location) and 3 surface water samples were collected in the study area for chemical and biological analysis. The groundwater qualities of the study area is satisfactory. No metallic or bacterial contamination was found in the water quality.</p> <p>Ambient noise levels monitored at 5 locations within the project premises i.e. 4 project corners and one center of the project. Minimum and maximum noise levels recorded within project premises during day time varies from 66.5 dB(A) to 71.3 dB(A) respectively and 53.5 dB(A) to 60.5 dB(A) during night time. The obtained noise level is well within prescribed limits for industrial area.</p> <p>Total 9 soil samples (8 within 10 km study area and 1 at project location) were collected and analyzed. The texture of soil is sandy clay. The organic matter, nitrogen, potassium and phosphorus content of the soil are moderate. pH of all the soil samples is within the acceptable range. No impact on soil will be there due to expansion of the project.</p>
<p>Air Pollution Control</p>	<p>Side Suction Hood with Pulse Jet Bag Filter will be provided on Induction Furnace.</p>
<p>Solid Waste</p>	<p>Domestic solid waste: 15 kg/day (After expansion) Slag: 5.8 TPD (After expansion). Out of which, 20% will be used within project premises for metal recovery and 80% will be given to Concrete Blocks/RCC tiles manufacturing units for co-processing.</p>
<p>Hazardous waste</p>	<p>After expansion, 0.5 TPD of APCD dust under Category 35.1 of Schedule I will be generated, which will be given to M/s Nimbua Greenfield (Punjab) Ltd. Further, 0.2 KL/annum of used oil under Category 5.1 of Schedule I will be generated which will be given to authorized vendor.</p>
<p>Monitoring Cell</p>	<p>Monitoring to be done by the Cell consisting of:</p> <ol style="list-style-type: none"> 1. Owner 2. Project In-charge 3. Environment Consultants
<p>CER</p>	<p>Mr. Gurmukh Singh (Partner) will be responsible for implementation of the CER activities. Thus, under CER, rejuvenation of pond or development of Nanak Bagichi in nearby village will be done. Further, issues raised during public hearing will be taken up as CER.</p>

Handwritten signature/initials

Thereafter, Environmental Engineer 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 proposed expansion 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 sent to SEIAA, Punjab for further consideration. Accordingly, he requested the persons present in the public 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 & address of the person	Detail of query / statement / information / clarification sought by the person present	Reply of the query / statement / information / clarification given by the project proponent
1.	Mr. Harnek Singh S/o Dilip Singh, Village Kanej	He asked that how the public will be benefitted from the expansion of the industry?	The Environment consultant replied that it would increase the employment with expansion of the Industry as 30 additional workers will be hired, which will be direct benefit. Also, raw materials and production will increase with the expansion of Industry. Thus, no. of trucks will also increase, which will provide indirect employment. Overall, with the growth of Industry, nearby area will also develop. Therefore, with expansion of Industry, both direct as well as indirect employment will be generated.
2.	Mr. Jatinder Singh S/o Jit Singh, Doraha	He said that he is happy with the expansion of the Industry as they won't have to go far from their home for work, they will get employment here.	--

Then the Asstt. Environmental Engineer, Punjab Pollution Control Board, Regional Office, Ludhiana-2 requested the public, that if anyone else want to ask any more questions about the project, he may come forward, but no one came forward. After that people were asked to raise their hands who are in favour of this project and most of the people present raised hands in favour of this project. He then asked the people to raise their hands who are not in favour of the project and no one present in the public hearing raised his hands in disfavour of the project. The public hearing was attended by 55 persons.

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

(Er. Atul Kaushal)

Asstt. Environmental Engineer,
Punjab Pollution Control
Board, Regional Office-2,
Ludhiana

(Er. Ravinder Bhatti)

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Punjab Pollution Control
Board, Regional Office-2,
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