

Proceedings of the public hearing conducted on 04.10.2023 in connection with application filed by M/S Radhika Steel Industries, for obtaining environmental clearance under EIA Notification dated 14.09.2006 for the proposed expansion in the existing premises located at R.G. Mill Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab.

The following were present to supervise the proceedings: -

1. Sh. Gurvinder Singh Johal, PCS
Sub Divisional Magistrate, Amloh
District Fatehgarh Sahib
2. Er. Ravi Pal,
Environmental Engineer (Mega),
Punjab Pollution Control Board,
Head Office, Patiala.
3. Er. Pritpal Kaur,
Asstt. Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, Fatehgarh Sahib

Environmental Engineer (Mega), Punjab Pollution Control Board, Head Office, Patiala welcomed the officers Supervising-cum-Presiding Officer, officers of the Board and people from adjoining towns/villages, who came to attend the public hearing of this project for the proposed expansion in the existing premises located at R.G. Mill Road, Mandi Gobindgarh, District Fatehgarh Sahib. He informed that an application was filed by M/S Radhika Steel Industries 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 increase the production capacity of Ingots/billets or Rolled products (Bars/square/rounds/flats/angle) from 84 TPD (29,400 TPA) to 230 TPD (80,500 TPA) in its existing premises by replacing existing induction furnace of 7 ton/heat capacity to 15 Ton/heat capacity besides the existing Rolling Mill.

After considering application of the industry, the SEIAA, Punjab issued 'Terms of Reference' to the industry for preparation of draft EIA study report. Now, the industry has 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 (Mega) 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 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 Regional Office MoEF Chandigarh, DC Office, Fatehgarh Sahib, Chairman, Zila Parishad, Fatehgarh Sahib, Executive Officer, M.C., Mandi Gobindgarh, General Manager, District Industries Centre, Fatehgarh Sahib at Mandi Gobindgarh and Regional Office, Punjab Pollution Control Board, Fatehgarh Sahib, 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 Hindustan Times' and 'Rozana Spokesman' on 02.09.2023 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 of M/s Eco Paryavaran Laboratories Pvt. Ltd., Mohali, brought out the details of the expansion plan of the project before the public which are reproduced as under:

Sr. No.	Item	Details									
1.	Name of the project	M/s Radhika Steel Industries									
2.	Type of Project	Expansion of existing Steel manufacturing unit									
3.	Location	R.G. Mill Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab									
4.	Furnaces	Existing: 7 TPH IF and Rolling Mill Proposed: Replacement of existing Induction furnace with new Induction Furnace of 15 TPH Overall After Expansion: IF of capacity of 15 TPH and Rolling Mill									
5.	Features within 10 km Radius	i. Archaeological Important Places: Nil ii. Wild life sanctuaries: Nil iii. Reserved/Protected forest: Bir-Amlah Protected Forest iv. Historical places: Nil v. River/Canal: Bhakra Canal vi. Industries: Industrial zone as per Master Plan of Mandi Gobindgarh vii. Biodiversity Heritage Site: Nil									
6.	Total Land	Area breakup is given below: <table border="1"> <thead> <tr> <th>Existing</th> <th>Proposed</th> <th>Total (after Expansion)</th> </tr> </thead> <tbody> <tr> <td>13,640.84sq.m (3.3695 acres)</td> <td>--</td> <td>13,640.84sq.m (3.3695 acres)</td> </tr> </tbody> </table>	Existing	Proposed	Total (after Expansion)	13,640.84sq.m (3.3695 acres)	--	13,640.84sq.m (3.3695 acres)			
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8.	Raw material	<ul style="list-style-type: none"> Existing Scrap & Ferro Alloys @ 87 TPD (30,450 TPA) After expansion Scrap & Ferro Alloys @ 240 TPD (84,000 TPA) Source: Mostly from local suppliers of Mandi Gobindgarh/ Ludhiana Mode of Transport: By road through trucks (No. of trucks required: approx. 12 trucks per day) 									
9.	No. of Workers	Existing manpower: 60 workers, Residing facility to 10 workers has been provided within project premises. Proposed manpower: 35 additional workers will be hired, Residing facility will be provided to additional 15 workers. Total after expansion: 95 workers (including both technical & non-technical), out of which 25 workers will be residing within project premises.									
10.	Cost of the project (Rs.)	Existing project cost: Rs. 12.69 Crores Proposed Cost: Rs. 9.55 Crores Total cost of the project after expansion: Rs. 22.24 Crores.									
11.	Cost of Pollution Control System	Capital cost: Rs. 89 lakhs for Environment management plan Recurring charges: Rs. 14.5 lakhs per annum									

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12.	Power Requirement	<p>Existing Power load: 3,779 KVA For proposed expansion: 6,221 KVA Total power requirement after expansion: 10,000 KVA</p>
	Source of Power	Punjab State Power Corporation Limited (PSPCL).
13.	Water Consumption (KLD)	<p>Source: Borewell Total water requirement for the project is estimated to be 50.5 KLD; out of this, 24 KLD will be makeup water demand for cooling purpose, 6.5 KLD will be domestic water demand and 20 KLD will be water demand for green area of 3,614.86sq.m.</p>
14.	Effluent Quantity	<p>Domestic Wastewater = 5.2 KLD (after expansion) Cooling = Recirculation</p>
15.	Effluent Treatment	<p>5.2 KLD of domestic wastewater will be generated after expansion which will be treated in proposed STP of capacity 10 KLD. Treated water of 5 KLD will be reused for cooling purpose within the project premises. No industrial effluent will be generated.</p>
16.	Ambient Air Quantity	<p>Baseline data of Devbhoomi Castings Pvt. Ltd. has been considered from period October to December, 2021 has been considered for the project. Further, one-month additional monitoring at project location from 15th January to 15th February, 2023. Baseline studies have been conducted at project location from NABL and MoEF&CC approved laboratory.</p> <p>Thus, PM_{2.5}, PM₁₀, SO₂ and NO₂ levels (Criteria Pollutants) as well as NH₃ and O₃ were monitored at nine locations (including project location) in the 10 km study area. Sites of the monitoring stations were keeping in view of the dominant wind direction</p> <p>Average values of ambient air result at project location are found to be: PM₁₀ = 123.5 µg/m³, PM_{2.5} = 101.4 µg/m³, SO₂ = 11 µg/m³ and NO₂ = 33.5 µg/m³. The results when compared with National Ambient Air Quality Standards (NAAQS) of Central Pollution Control Board (CPCB) for "Industrial/ Residential/ Rural and Other Areas", it was observed that except PM₁₀ & PM_{2.5} all the values of SO₂, NO₂, CO and PAH were within prescribed limits. Mass levels of particulate dust as PM₁₀ & PM_{2.5} were quite higher than 24 hours average NAAQ standards of 100µg/m³ and 60µg/m³ respectively. This indicates air quality deterioration in study area is due to presence of industries in areas of Mandi Gobindgarh and Khanna and biomass burning activities predominant in the region.</p>
17.	Water Quality	<p>Total 9 groundwater samples and 8 surface water samples were collected in the 10 km of study area for chemical and biological analysis. The groundwater qualities of the study area are satisfactory. No metallic or bacterial contamination was found in the water</p>
18.	Noise Environment	<p>Ambient noise levels monitored at 5 locations within the project premises. 4 project corners and one center of the project. Minimum and maximum noise levels recorded within project premises during day time varies from 68.1dB (A) and 73.9dB (A) during the day time and were 51.5dB(A) and 68.5dB(A) during night time. The obtained noise level is well within prescribed limits for industrial area.</p>
19.	Soil environment	<p>Total 9 soil samples were collected and analyzed. The texture of soil is sandy loam. 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>
20.	Air Pollution Control	<p>Side Suction Hood with Pulse Jet Bag filter will be provided on Induction Furnace.</p>

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21.	Solid Waste	Domestic solid waste: 24 kg/day (after expansion) Slag: 7 TPD (after expansion) which will be given to Concrete Blocks/ RCC tiles etc. manufacturing units for co-processing after metal recovery.
22.	Hazardous Waste	After expansion, hazardous waste generated from the project is estimated to be 0.6 TPD of exhaust air or gas cleaning residue under category 35.1 of Schedule I and 0.2 KLA of used oil under Category 5.1 of Schedule I. Agreement has been done with M/s Madhav KRG Environmental Solutions Pvt. Ltd. for disposal of APCD dust. Used oil will be given to authorized vendor.
23.	Monitoring Cell	Monitoring to be done by the Cell consisting of: 1. Owner 2. Project In-Charge 3. Environment Consultants
24.	Additional Environmental Activities	Mr. Suresh Kumar (Proprietor) will be responsible for implementation of the Additional Environment Activities. Thus, under Additional Environment Activities, rejuvenation of pond or development of Nanak Bagichi in nearby village will be done. Further, issues raised during public hearing will be taken up.

Thereafter, Environmental Engineer (Mega) brought into the notice of public present at the venue of hearing that as per the provisions of EIA notification dated 14.09.2006, the persons present at the venue may ask any question / query or seek any information or clarifications on the proposed expansion project from the project promoter. It was also brought into the notice of the people present there that for question / query or 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 SEIAA for further consideration.

Environmental Engineer (Mega) requested the persons present in the public hearing time & again to seek information or clarifications on the project one by one, but no one came forward.

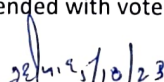
Thereafter, the Environmental Engineer (Mega), Punjab Pollution Control Board asked the people present in the public hearing to raise their hands who are in favour of this expansion project, almost all the people present raised hands in favor of this project. He then asked the people to raise their hands who are not in favour of the project, but no one present in the public hearing raised his hands in disfavor of the project. The public hearing was attended by 73 persons.

The public hearing ended with vote of thanks to the chair.



(Pritpal Kaur)

Asstt. Environmental Engineer
Punjab Pollution Control Board,
Regional Office Fatehgarh Sahib



(Ravi Pal)

Environmental Engineer (Mega),
Punjab Pollution Control Board,
Head Office, Patiala



(Gurvinder Singh Johal), PCS

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