

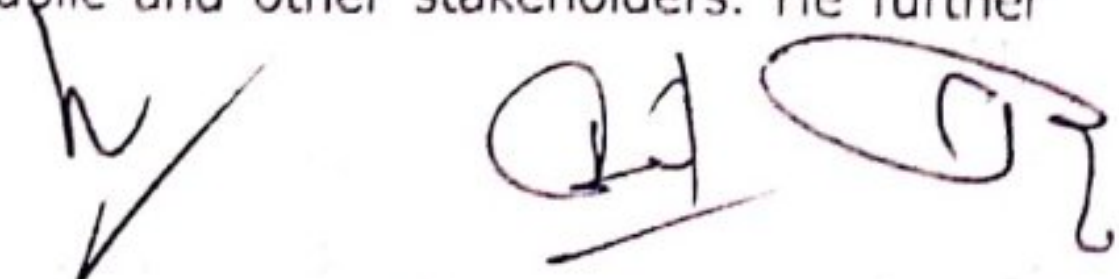
Proceedings of the public hearing conducted on 12.11.2021 in connection with application filed by M/s Aarti Steels Ltd., (Furnace Division), Focal Point, Ludhiana for obtaining environmental clearance under EIA Notification dated 14.09.2006 for the proposed expansion in the existing premises located at plot no. B-30-1858, 1858/1, Dhandari Kalan/ Phase-III, Focal Point, Jamalpur, Ludhiana.

The following were present to supervise the proceedings: -

1. Mr. Rahul Chaba, PCS,
Additional Deputy Commissioner (G),
District Ludhiana.
2. Dr. Manohar Lal Chauhan,
Environmental Engineer,
Punjab Pollution Control Board,
Regional Office-1, Ludhiana.
3. Er. Jaspal Singh,
Asstt. Environmental Engineer,
Punjab Pollution Control Board,
Regional Office-1, Ludhiana.

Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana 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 Aarti Steels Ltd., (Furnace Division), has filed an application in State Level Environment Impact Assessment Authority (SEIAA), Punjab for obtaining Environmental Clearance under EIA notification no. 1533 (E) dated 14.9.2006 to carry out expansion of its existing industrial unit for manufacturing for billets manufacturing from existing steel melts shop by upgrading the electric Arc Furnace (EAF) 32.3 TPH to 35.5 TPH. The Billets produced from the EAF & ingots from existing induction furnace (installed in other unit) are proposed to be rolled into bars by addition of one new rolling mill. Increase in Capacity in billet manufacturing from EAF is proposed to be achieved in two steps i.e. from present 90,000 TPA to 1,40,000 TPA in step-1 and 1,40,000 TPA to 1,65,000 TPA in step-II. As per EIA Notification dated 14.09.2006, the projects falls under category B of Schedule 3(a) of said notification i.e. metallurgical industries (ferrous and non-ferrous).

He apprised the public present there about the requirement of conduction the public hearing before deciding on the application filed by the industry for getting the said clearance for expansion of the unit. He also brought into the notice of public that the industry has submitted copies of draft rapid EIA report along with the executive summary of the same and a copy of each such document was placed in the office of Deputy Commissioner, Commissioner, Municipal Corporation, Ludhiana District Industries Centre, Ludhiana, Chandigarh &, Regional Office-1, Ludhiana of the PPCB 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) on 12.10.2021 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.

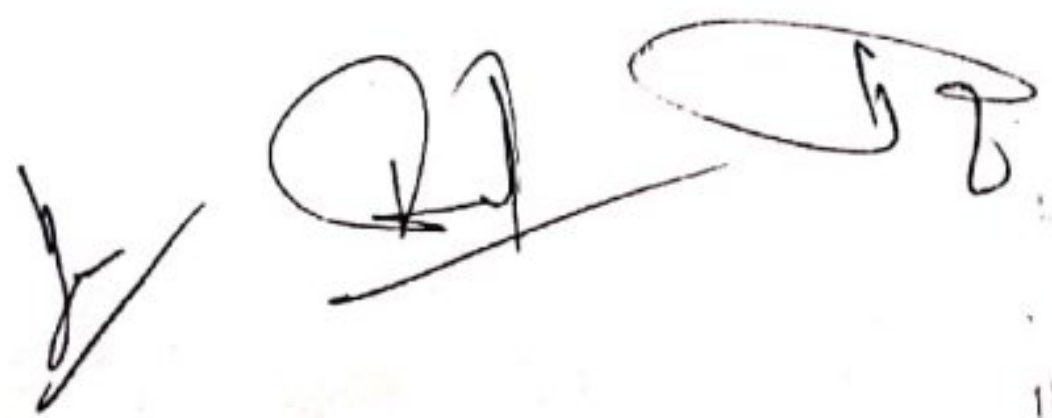
Sh. R.S. Rana, Technical Expert, M/s, Chandigarh Pollution Testing Laboratory, Mohali, Environmental consultant of the promoter company brought out the details of the project before the public as under:

Name of the Project	M/s Aarti Steels Limited. (Furnace Division)																																				
Type of Project :	Steel Manufacturing Unit (Expansion)																																				
Location	Plot No. B-20-1858, 1858/1, Dhandari Kalan/Phase III, FocalPoint, Jamalpur, - Ludhiana, Punjab- 141010.																																				
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	D.G. Set	1000 KW -1No.	500 KW-1 No. After expansion 1000KW- 1 No. 500 KW - 1 No.	
	Boiler	10TPH	No increase in boiler capacity	
	Boiler	4TPH	No increase in boiler capacity	
	Rolling Mill	--	01 No.	
Features within 5 km Radius	Archaeological important places	Nil		
	Wild life sanctuaries	Nil		
	Reserved/Protected forest	Nil		
	Historical places	Nil		
	River/Canal	Sidhwan Canal (4.0 km) Buddha Nallah (3.5 km)		
Total Land	The total plot area is about 12.0 acres or 48552m ²			
Green Belt Area	About 40% of total area (i.e. 19421 m ²) is kept for green belt development. Total 2912 No. of trees including the existing trees shall be planted in phased manner.			
Products	Product Name	Existing (TPA)	Proposed (TPA)	Total (TPA)
	Steel Billets	90000	75000	165000
	Ingots	30000	NIL	30000
	MS Rounds	NIL	120000	120000
Raw materials/ sources	RAW MATERIAL (TPA)			
	Description		Total	
	MS Scrap, CI, Sponge iron, Ferro Alloys		1,97,200	
Source & Transportation		Local & international markets and transport through covered trucks		
No. of Workers	The proposed project shall generate direct employment for 210 persons.			
Cost of the Project (Rs.)	Rs. 121.56 Cr.			
Cost of Pollution Control System	Rs. 710 Lakh and Rs 368 Lakhs for recurring cost/annum			
Power Requirement (KW)	Description	Existing	Additional	Total

	Power (MVA)	22	9.3	31.3
Source of Power	From Punjab State Power Corporation Limited (PSPCL.)			
Water Consumption (KLD) :	Description	Existing (KLD)	Additional (KLD)	Total (KLD)
	Domestic	16	10	26
	Cooling	359	100	459
	Total	375	110	485
Effluent Quantity	Domestic = 20.8 KLD Cooling = Recirculation			
Effluent Treatment	Domestic- At present, the domestic waste water is being discharged into the sewer of MC Ludhiana. However, after the grant of EC, the same will be discharged as per guidelines of competent authority.			

Ambient Air Quality :	The PM _{2.5} , PM ₁₀ , SO ₂ , NO ₂ , CO levels were monitored at eight locations in the study area for three months (16 March, 2021- 15 June, 2021). The P98 levels of criteria pollutants are as follows: PM _{2.5} is 65.1 µg/m ³ , PM ₁₀ is 110.4 µg/m ³ , SO ₂ is 12.2 µg/m ³ , NO ₂ is 30.8 µg/m ³ and CO is 0.60mg/ m ³ . The baseline air quality not all the station except for the project site is within the National Ambient Air Quality Standards prescribed for industrial, residential, rural & other area and also satisfies the air quality index (AQI) w.r.t. health bracket for all the monitoring. (Standards are 60, 100, 80, 80 µg/m ³ and 4.0mg/m ³ for PM _{2.5} , PM ₁₀ , SO ₂ , NO _x and CO respectively and 51-100 as satisfactory AQI for health). Due to adequate & appropriate pollution abatement facilities, proposed expansion will have insignificant impact on existing air quality.
Water quality :	Eight groundwater samples and two surface water sample were collected from the study area for physical, chemical, metallic and bacteriological analysis. The groundwater qualities of the study area are satisfactory as no metallic or bacteriological contamination was found in the water samples. Since, no waste water will be discharged on land, water quality is not likely to be impacted.



Noise environment	: Ambient noise levels were monitored at 8 locations in the study area. Noise levels on the Project site was found to be 66.8 dB (A) during day time and 57.6 dB (A) at night. The highest levels were observed at Project Site. The baseline noise levels are well within the National Standards. Proposed expansion will have less impact than existing one due to better noise control facilities.
Soil environment	: Eight soil samples were collected from the study area and analyzed. The texture of soil is sandy loam. The organic matter, nitrogen, potassium and phosphorus content of the soil are moderate. The pH of all the soil samples is within the acceptable range. No impact on soil will be there for proposed plant as no waste will be discharged on land.
Air Pollution Control	: Pulse jet bag filter having efficiency more than 99%.
Fugitive Emission	: Side Suction Hood, Exhaust Ventilation and shredding of scrap before charging.
Solid Waste	: Slag from Furnace will be disposed off to authorized manufacturers of cement concrete blocks, pavers & tiles.
Hazardous Waste	: Used oil generated from DG set will be used as lubricant within the industry. The dust generated from APCD will be stored in impervious pit and sent to TSDF site/ Madhav alloys for final disposal.
Pollution Control	: <ul style="list-style-type: none"> ➤ Plantation within the premises in minimum 40% of project area as per CPCB and local forestry guidelines. ➤ Treatment of domestic waste water in STP and the use of treated water in C.T. / Green Belt development. ➤ Fugitive/secondary emission control by side suction hood on I.F. and routing the same to bag filter. ➤ Dust suppression by wet spray on the internal roads. ➤ Bag filter to filter out fine particles before discharge to the atmosphere. ➤ Operation & maintenance of Air Pollution Control System (APCS) as per CPCB guidelines. ➤ Regular environmental monitoring w.r.t significant parameters. ➤ Bag filter cleaning will be done offline by compartmentalizing the bag house.



Resource Conservation	<p>The industry is committed to judicious use of resources by adopting the following practices:</p> <ul style="list-style-type: none"> ➤ By using energy efficient I.F., lesser time per heat cycle thereby yielding the same production with less electricity consumptions. ➤ Operating the cooling tower at higher cycle of concentration (COC), requiring lesser blow down by proper chemical conditioning of water, thereby ensuring maximum recycling and lesser make up water. ➤ Slag after iron recovery, will be sold to manufacturers of cement concrete blocks, pavers & tiles, thereby lessening the consumption of fresh minerals. ➤ Flue gas cleaning residue will be sold to approved vendors for metal recovery e.g. Zn & Pb thereby net saving of fresh ore. ➤ All the metal recovered from slag, riser/runner from moulds and mill scales will be recycled.
Environment Management Plan :	<ul style="list-style-type: none"> ➤ EMP as detailed in DEIA shall be followed.
Environment Monitoring Plan :	<p>Regular monitoring of all significant environmental parameters is essential to check the compliance status vis-à-vis the environmental laws and regulation. The frequency of the monitoring will be as follows:</p> <ul style="list-style-type: none"> ➤ The ambient Air quality shall be monitored at project site and one each upwind and downwind locations once every quarter for PM_{2.5}, PM₁₀, NO_x, SO₂, and CO levels during the Construction Phase and as per EC/Consent Conditions of Operational Phase. ➤ The Ambient Noise Levels, Water Quality, Effluent etc. shall be monitored once every six months or as per EC conditions.
Environment Management Cell : (EMC)	<p>Environment Management is being/will be done by the Cell consisting of:</p> <ol style="list-style-type: none"> 1. Owner 2. Project Incharge 3. Environment Consultants
Corporate Environmental Responsibility (CER) & Enterprise Social Commitment.	<p>The corporate environment responsibility & Enterprise Social Commitment based on issued raised during the public hearing and those prescribed by the competent authority shall be executed as part of EMP, the detail of which shall be provided in final EIA report.</p>

Thereafter, Environmental Engineer, Regional Office-1, Ludhiana 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/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 recorded in the proceedings of the hearing, which will be sent to State Level Environment Impact Authority (SEIAA), Punjab for further consideration. Accordingly, he requested the person present in the hearing to seek information or clarifications on the project on the project on 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 at present	Reply of the query/statement/information/clarification given by the project proponent
1.	Sh. Subodh Kumar S/o Sh. Roshan Thakur New Friend Colony, Ludhiana	The industry shall clarify as to how the industry will dispose of its solid waste.	Environmental Consultant informed that two type of waste i.e. solid waste (slag) & hazardous waste i.e. APCD Dust and waste oil will be generated by the industry. He further informed that the slag will be used in tile/pavers manufacturing. The APCD dust will be given to the authorized agencies i.e. M/s Madhav Alloys/TSDF NIMBUA. The waste oil will be used as lubricant inside the unit. So there will no unauthorized disposal f solid waste/Hazardous waste:

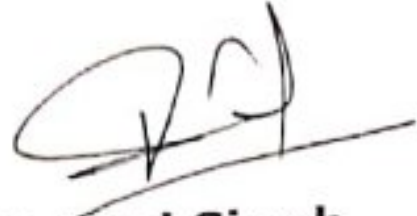
Then the Environmental Engineer, Punjab Pollution Control Board requested the public, that if anyone else want to ask any more question about the proposed expansion project, he may come forward, but no one came forward. After that people were requested to raised hands, which are in the favor of this project, almost all the people present in the public hearing raised their hands in the favor of

this project.

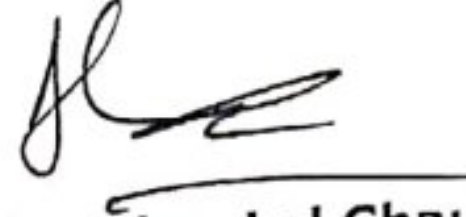
He then requested the people to raise their hands which are not in favor of the project and no one present in the public hearing raised his hands in disfavor of the project. It was suggested that the project proponent will provide the broad leaf trees outside its unit and will improve the roads outside its boundary walls towards public roads, so as to control the dust emissions. It was also informed by the project proponent that they will make the arrangements of water supply and white wash in the nearby Govt. school Sherpur.

The public hearing was attended by 81 persons.

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



Er. Jaśpal Singh,
Asstt. Environmental Engineer,
Punjab Pollution Control Board,
Regional Office-1, Ludhiana.



Dr. Manohar Lal Chauhan,
Environmental Engineer,
Punjab Pollution Control Board,
Regional Office-1, Ludhiana.



Mr. Rahul Chaba, PCS,
Additional Deputy Commissioner (G),
District Ludhiana.