Proceedings of the public hearing conducted on 17.08.2021 in connection with application filed by M/s Ajar Amar Steel Concast, Vill. Dugri, Tehsil Payal, Distt., Ludhiana, Punjab for obtaining environmental clearance under EIA Notification dated 14.09.2006 for the proposed expansion in the existing premises located in the revenue estate of Village Vill. Dugri, Tehsil Payal, Distt., Ludhiana, Punjab.

The following were present to supervise the proceedings:-

1. Sh. Rahul Chaba, PCS,
   Additional Deputy Commissioner (Gen),
   Ludhiana.
2. Er. M.L. Chauhan,
   Environmental Engineer,
   Punjab Pollution Control Board,
   Regional Office-1, Ludhiana.
3. Er. Jaspal Singh,
   Assistant 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 Ajar Amar Steel Concast has filed an application in State Environment Impact Assessment Authority (SIAA), Punjab for obtaining Environmental Clearance under EIA notification no. 1533 (E) dated 14.9.2006 to carry out expansion in an existing industrial unit by increasing the capacity of Steel Ingots/Billets/Ingots/Hand Tool Flats/Industrial Rounds from 26,950 TPA to 1,15,500 TPA by upgrading its existing 7 TPH induction to 10 TPH, existing rolling mill of 10 TPH to 15 TPH and by adding 1 new induction furnace of capacity 20 TPH, 1 concast machine and 1 rolling mill of capacity 15 TPH at village Dugri, Tehsil Payal, Distt., Ludhiana, Punjab. He 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 expansion 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, Ludhiana, 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 'Rozana Spokesman' (Punjabi Daily) on 17.07.2021 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. S.S. Matharu, Technical Expert, M/s Chandigarh Pollution Testing Laboratory, Mohali, Environmental consultant of the promoter company brought out the

details of the project proposal before the public as under:

<table>
<tr><td>Name of the Project :</td><td>M/s Ajar Amar Steel Concast</td></tr>
<tr><td>Type of Project :</td><td>Steel Manufacturing Unit (Expansion)</td></tr>
<tr><td>Location :</td><td>village Dugri, Tehsil Payal, Distt., Ludhiana, Punjab.</td></tr>
<tr><td>Equipments</td><td>Existing- 7 TPH Induction Furnace to be replaced with 10 TPH. Rolling mill 10 TPH
Proposed- 20 TPH Induction Furnace, a Concast Machine & a Rolling Mill of 15 TPH (in place of existing 10 TPH Rolling mill)
After Expansion- 1X10 TPH Induction Furnace, 1X20 TPH Induction Furnace, a Concast Machine & a Rolling Mill - 15 TPH</td></tr>
<tr><td>Features within 5 km Radius :</td><td>i. Archaeological important places — Nil
ii. Wild life sanctuaries — Nil
iii. Reserved/Protected forest — Nil
iv. Historical places — Nil
v. River/Canal — Nil
vi. Industries — Mixed</td></tr>
<tr><td>Total Land :</td><td>4 acre (No land required for expansion)</td></tr>
<tr><td>Product & their Capacities :</td><td><table><tr><th>Product Name</th><th>Existing (TPA)</th><th>Additional (TPA)</th><th>After Expansion (TPA)</th></tr><tr><td>Steel Billets/Ingots/Hand tool flats/Industrial rounds</td><td>26,950</td><td>88,550</td><td>1,15,500</td></tr></table></td></tr>
<tr><td>Raw Materials/ sources :</td><td><table><tr><th>Raw Material</th><th>Existing (TPA)</th><th>Additional (TPA)</th><th>After expansion (TPA)</th></tr><tr><td>MS Scrap, CI, Sponge Iron, Ferro Alloys</td><td>29,050</td><td>98,200</td><td>1,27,250</td></tr></table></td></tr>
<tr><td>No. of Workers :</td><td>Existing - 45
Proposed - 35
Total - 80</td></tr>
<tr><td>Cost of the Project (Rs.) :</td><td>Existing Cost - Rs. 16.4514 Cr.
Proposed Cost - Rs. 7 Cr.
Total Cost - Rs. 23.4514 Cr.</td></tr>
<tr><td>Cost of Environment Management Plan (EMP) :</td><td>Rs. 163.9 Lacs and 9.8 Lacs as recurring cost</td></tr>
<tr><td>Power Requirement :

Source of Power :
Backup power source (D.G. set):</td><td><table><tr><th>Existing</th><th>Additional</th><th>After Expansion</th></tr><tr><td>3999 KW</td><td>8000 KW</td><td>11999 KW</td></tr></table>Punjab State Power Corporation Limited. (P.S.P.C.L)
Exiting : 140kVA – 01 no. Proposed : 250 KVA
Total : 02 no. 140 kVA – 250 KVA</td></tr>
<tr><td>Water Consumption (KLD) :</td><td><table><tr><th></th><th>Existing</th><th>Additional</th><th>After Expansion</th></tr><tr><td>Domestic</td><td>3.5 KLD</td><td>3 KLD</td><td>6.5 KLD</td></tr><tr><td>Cooling</td><td>26.5 KLD</td><td>12.0 KLD</td><td>38.5 KLD</td></tr><tr><td>Total</td><td>30.0 KLD</td><td>15.0 KLD</td><td>45.0 KLD</td></tr></table></td></tr>
<tr><td>Effluent Quantity :</td><td>Domestic Water = 5.2 KLD
Cooling = (Recirculation)</td></tr>
<tr><td>Industrial Waste Water :</td><td>No waste water will be generated as no process water is used.</td></tr>
<tr><td>Effluent Treatment :</td><td>No process effluent is generated
Domestic-through STP of 10.0 KLD capacity and used for plantation.</td></tr>
</table>

	The treatment will be affected via MBBR technology which is cost effective and appropriate for small volume sewage treatment. The treated waste water will have the following characteristics. Ph: 6.0-8.0 BOD: <10 mg/l COD : < 20 mg/l TSS : < 5 mg/l Bacterial Count : Not detectable
Ambient Air Quality :	The PM2.5, PM10, SO2, NO2, CO levels were monitored at eight locations in the study area for three months (January 2020 to March 2020). The P98 levels of criteria pollutants are as follows: PM2.5 is 54.3µg/m3, PM10 is 93.8µg/m3, SO2 is 15.9µg/m3, NO2 is 46.1 µg/m3 and CO is 0.70mg/ m3. The baseline air quality level 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, 80µg/m3 and 4.0mg/m3 for PM2.5, PM10, SO2, NOx and CO respectively). Due to better pollution abatement facilities, proposed expansion will have insignificant impact on existing air quality.
Water quality :	Eight groundwater samples and one surface water sample were collected from the study area for physical, chemical and bacteriological analysis. The groundwater quality of the study is satisfactory. No physical or bacterial contamination was found in the water quality. Since, no waste water will be discharged on land, water quality is not likely to be impacted
Noise environment :	The day time noise level at the project premises was observed as 70.2 dB (A), and during night time the noise level was recorded to be 65.8 dB (A).The baseline noise levels are well within the National Standards. Proposed expansion will have less impact than existing one due to better pollution control facility.
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 : Fugitive Emission/ Secondary Emission :	Induction Furnace- Bag Filter (Pulse jet with offline Technology) Rolling Mill- Bag Filter Fume extraction hood and exhaust ventilation
Solid Waste :	Slag from furnace, 15 TPD Slag after recovery of iron will be sold to manufacturers of cement concrete blocks, tiles, and pavers under proper agreement.
Hazardous Waste :	Hazardous waste generated (0.02kl/annum) from DG sets in the form of used oil will be sold to authorized recyclers. About 1.728 ton/day APCD dust will be also covered under hazardous waste and sent to M/S Madhav Alloys (P) Limited or TSDF site Nimbuan Dera Bassi for final disposal..

Pollution Control :	➢ Plantation within the premises in minimum 40% of project area as per CPCB and local forestry guidelines. ➢ Treatment of domestic waste water in STP of 10 KLD capacity 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 particles upto 0.3µm size before discharge to the atmosphere. ➢ Operation & maintenance of Air Pollution Control System (APCS) as per PPCB guidelines. ➢ Regular environmental monitoring w.r.t significant parameters. ➢ Bag filter cleaning will be done offline by compartmentalizing the bag house.
Resource Conservation :	The industry is committed to judicial use of resources by adopting the following practices: ➢ 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 Monitoring Plan :	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: ➢ The ambient Air quality shall be monitored at project site and two upward and downstream locations once every quarter for $PM_{2.5}$, PM_{10}, NO_x, SO_2, 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) :	Monitoring to be done by the Cell Consisting of: 1. Owner 2. Project Incharge 3. Environment Consultants
Corporate Environmental Responsibility (CER) :	Being a small scale industry not covered under CER but promoter has assured that in lieu of Corporate Environmental responsibility, the OM dated 30.09.2020 issued by the MoEF&CC superseding OM dated 01st may 2018 shall be followed.

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 recorded in the proceedings of the hearing, which will be sent to the State Level Environment Impact Authority (SEIAA), Punjab 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, no one from the public raised clarification/comments.

After that people were asked to raise their hands who are in favour of this expansion project and most of 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 and no one present in the public hearing raised his hands in disfavor of the project. The public hearing was attended by 57 persons.

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

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

(Er. M.L. Chauhan)
Environmental Engineer,
Punjab Pollution Control Board,
Regional Office-1, Ludhiana

(Rahul Chaba), PCS
Addl. Deputy Commissioner (General),
Ludhiana