

P.V. INDUSTRIES

Mfrs. of : BILLETS, ANGLES, & CHANNELS

Regd. Office & Works : Peer Gajju Shah Road, Village Alour, Khanna-141401 (PB.)

Date:20-08-2024

To,
The Director,
Govt. of India, MOEF,
Northern Regional Office,
Bays No. 24-25,
Sector-31, Chandigarh.160030

Subject: Submission of six-monthly compliance report of M/s P.V. Industries at Village-Alour Peer Gajju, Shah Road, Tehsil- Khanna, Punjab. For District- Ludhiana, the period June, 2024.

Dear Sir,

This is in reference to the requirement stated in Environmental Clearance granted by Ministry of Environment & Forests, Government of India, SEIAA, Punjab vide their letter No. No. SEIAA/PB/IND/2022/EC/16 Dated 29/07/2022. Copy of the same was sent by them to your office as well.

As per the miscellaneous condition no. (v) of the Environment Clearance for our aforesaid project, we are herewith submitting the half yearly report for the monitoring period ending March, 2024.

Thanking you & Regards

CONTACT DETAILS:

Name: -Sh. Dinesh Bansal

Phone No- 9418059078

Email: p.v.industries@gmail.com

Yours Sincerely,

M/s P.V. Industries



Partner

1. The Environmental Engineer, Punjab Pollution Control Board, Regional Office, NISST Building, G.T. Road, Opposite Floating Restaurant, Mandi Gobindgarh.

TABLE OF CONTENTS

S. No.	Description	Page No.
1.	Data Sheet	1-2
2.	Compliance status for the EC conditions	3-12
3.	Annexure-I: Environment Clearance & EC amendment Letter	13-30
4.	Annexure II: Copy of newspaper advertisement of EC granted	31-32
5.	Annexure III: Analysis reports – Air, Water & Noise	33-36
6.	Annexure IV: Consent to Establish-(CTE)	37-45

**Ministry of Environment, Forest and Climate Change
Northern Region Office
Chandiagr-160030**

DATA SHEET

1	Project Type	Steel Manufacturing unit
2	Name of Project	M/s P.V. Industries
3	Clearance letter No.	F. No: - SEIAA/PB/IND/2022/EC/1 Dated: 29/07/2022
4	Location: a) District (S) b) State (S) c) Latitudes d) Longitudes	Ludhiana Punjab 30°40'39.96"N 30°40'37.07"N, 76°15'40.63"E, 76°15'40.51"E
5	Address for Correspondence	Shri. Dinesh Bansal (Partner) Village- Alour Peer Gajju Shah Road, Tehsil- Khanna, District- Ludhiana, Punjab. Mobile: 98140-59078
6	Salient features: a) of project b) EMP	Earlier the project proponent proposed to set up a steel manufacturing unit having production capacity of 1,94,400 TPA of Steel Ingots/Billets by the installing 3 No. of Induction Furnaces of capacity 15 TPH each, Concast (1 No.) and Laddle Refining Furnace (1 No.). Later on, the proposal was revised, without change in the production capacity of the unit. Accordingly, the amendment application filed and revised EC obtained copy enclosed. As per the EC amendment, instead of 3 No. of induction furnaces of capacity 15 TPH each, have revised with 2 No. of Induction Furnace of 22.5 TPH each. The total project cost of the unit will be Rs.28.00 Cr and the power requirement will be 22 MW. 359 Lac towards capital cost and 49.10 Lac/annum towards recurring cost.

7	Breakup of project Area a) Submerged area forest & non forest. b) Others	NIL 37927.58 (Sqm.)
8	Breakup of project affected population with enumeration of those losing houses/dwelling units only, agriculture land only both dwelling units and agriculture land and landless laborers/artisans a) SC/ST/Adivasis b) others	NA --
9	Financial details a) Project cost as originally planned and subsequent revised estimates and the year of price rat reference. b) Allocation made for environmental management plans with item wise and year wise breakup. c) Benefit cost ratio/internal rate of return and year of assessment. d) Whether (c) includes the cost of environmental management as shown in b) above. e) Actual expenditure incurred on the project so far. f) Actual expenditure incurred on the EMP so far	28.00 Crore 359 Lac -- Yes The project is still in construction phase. --
10	Forest land requirement: a) The status of approval for diversion of forest land for non –forestry use. b) Status of clear felling c) The status of compensatory a forestation, if any. d) Comments on the viability & sustainability of compensatory a forestation programs in the light of actual field experience so far.	NA NA NIL NIL
11	The status of clear felling in non-forest areas.	NIL
12	Status of construction: a) Date of commencement b) Date of completion.	March 2022. January 2025.
13	Reason for delay if any the projects yet to start.	There is a proposal of expansion in environmental clearance.

COMPLIANCE OF STIPULATED CONDITIONS OF EC

Sr. No.	Compliance Description	Remarks
I	Statutory Compliance	
i.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	As no diversion of forest land is involved, no clearance is therefore required.
ii.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	NA: As no environment sensitivity is located within the buffer zone of project.
iii.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)	NA: in view of (ii) above
iv.	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned Punjab Pollution Control Board.	CTE under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 already obtained from Punjab Pollution Control Board.
v.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of drawl of groundwater and also in case of drawl of surface water required for the project. In case of non-grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from the competent authority.	Complied: Ground water ad-interim permission already obtained from PWRDA, Punjab.
vi.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Agreed for compliance before the operation phase.

vii.	The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.	Noted & Agreed.
viii.	The project proponent shall comply with the CLU conditions imposed by the competent authority, if any.	Noted for Compliance.
II	Air Quality Monitoring and Preservation	
i	The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31 st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Agreed for compliance in the construction phase.
ii	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Agreed for compliance in operation phase.
iii	The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g., PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	Agreed for compliance in the construction phase.
iv	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring	Complying: Latest analysis report of air quality enclosed herewith as Annexure-III .

	and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	
v	Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources..	Adequate APCs shall be provided.
vi	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Noted for Compliance: Leakage will be detected by measuring differential pressure across the bag filter by U-tube manometer.
vii	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.	Noted & Agreed for Compliance: Statutory vacuum cleaner shall be employed for sweeping.
viii	Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.	NA: As no such material will be used in the process.
ix	The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	Agreed for compliance in the construction phase.
x	The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.	Cover shed will be provided for the raw materials.
xi	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Primary fume extraction system shall be provided in the construction phase.
xii	Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.	Noted & Agreed for Compliance.
III.	Water Quality Monitoring and Preservation	
i.	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/ sampling wells in the plants and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Agreed for Compliance: Water quality at the specified locations is being monitored through NABL approved laboratory. Latest Analysis report enclosed herewith as Annexure-III .

ii.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	All the stock pile will be covered under sheds, thereby requiring no garland drains. No hazardous chemical will be used in the process.
iii.	The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, 1 no. of pond at Village Ladpur, Block Amloh, District Fatehgarh Sahiba having recharge potential of volume @ 33,250 m ³ /annum shall be adopted to recharge the water @ 49,875 kl/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.	Agreed for Compliance, Rain Water Harvesting is not advisable in view of hazardous dust. However, the same shall be undertaken through rejuvenation of pond as per design & technology developed by CSIR-NEERI's.
iv.	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Noted for Compliance: Water consumption will be minimized through Cooling Water condensing and treated water usage. However, cascade use is not advisable in such small value projects.
IV.	Noise Monitoring and Prevention	
i.	Acoustic enclosure shall be provided for DG sets for controlling the noise pollution.	DG Set with acoustic enclosure will be provided
ii.	Noise level survey shall be carried as per the prescribed guidelines and the report in this regard shall be submitted to the Regional Officer of the Ministry as a part of six-monthly compliance report.	Noted and Agreed for Compliance.
iii.	The ambient noise levels should conform to the standards prescribed under E (P) A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Latest analysis report enclosed herewith as Annexure-III.
V.	Energy Conservation Measures	

i.	The project proponent shall practice hot charging of slabs and billets/blooms as far as possible.	Not Applicable Waste heat recovery in IF process is not economical & hence not practiced.
ii.	The project proponent shall provide solar power generation on rooftops of buildings, solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	Agreed for compliance.
iii.	The project proponent shall provide the for LED lights in their offices and residential areas.	Noted for Compliance:
VI.	Waste Management	
i.	Used refractories shall be recycled as far as possible.	Noted for Compliance: Used refractories will be disposed-off to suppliers under buy bag scheme. However, non-abrasive refractories will be employed thereby minimizing rupture & subsequent disposal.
ii.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's regional Office.	NA: As no fossil fuel/bio mass will be used.
iii.	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary movement) Rules, 2016.	Agreed for Compliance.
iv.	Kitchen waste shall be composted or converted to biogas for further use.	The meager amount of kitchen waste will be generated and will be managed as per solid waste management rules-2016.
VII.	Green Belt	
i.	Green belt shall be developed in an area of 12541.80 Sqm (equal to 33% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 1900 tall saplings (minimum 6 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted.	So far boundary wall has been completed and the plantation od saplings will be start at the earliest.
VIII.	Public Hearing and Human Health Issues	
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Agreed for compliance in operation phase.

ii.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Agreed for compliance in operation phase
iii.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Agreed for compliance in construction phase
iv.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Agreed for compliance in operation phase
v.	The project proponent shall carry out the activities apart from CER activities and spent an amount as commuted during the public hearing as per the public hearing action plan.	There are no additional activities added apart from the CER.
IX.	Environment Monitoring Plan	
i.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions to all /or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Noted& complying: The company has a well laid environmental policy as detailed in EIA report. SOP is in place to address any deviation from the environmental safeguards such as deviation/violation or infringements of environmental norms.
ii.	A separate Environmental Cell both at the project and company head quarter level with qualified personnel shall be set up under the control of Senior Executive, who will directly to the head of the organization.	Noted & Complied: A separate environmental cell will be constituted at project level for overseeing the environmental issues and safeguards concerning the project.

iii.	<p>Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 359 Lakhs towards the capital cost and Rs 49.10 Lakhs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in EMP plan as under</p>				
Sr. No	Title	Approx Capital Cost (Rs. Lac)	Approx Recurring Cost (Rs. Lac/Annum)	Indicative Basis for Cost Estimation	Compliance Status
1	Air Pollution Control	245.0	25.0	Capital Cost: Installation of APCS, adequate stacks, CEMS etc & Dust suppression by wet spray and barricading, installation of shredder. Recurring Cost: Cost of stack and ambient air monitoring.	Agreed for compliance in construction phase.
2	Water Pollution	20.0	2.5	Capital Cost: Installation of STP, Manpower Cost, Cost of Chemicals Recurring Cost: STP Inlet/Outlet monitoring, treated waste recycling/Reuse.	
3	Rain Water Harvesting	10.0	1.0	Capital Cost: Rainwater harvesting & water conservation efforts costs. Recurring Cost: Maintenance of Rainwater Harvesting structure & water conservation etc.	
4	Green Belt	19.0	19.0 for 3 years	Capital Cost: Green Belt development cost Recurring Cost: Greenbelt maintenance cost.	
5	Solid & Hazardous waste management	5.0	0.70	Capital Cost: Membership of TSDF, storage areas for wastes. Recurring Cost: Cost of transportation & storage of solid/hazardous waste.	

6	Occupational Health	10.0	0.30	Capital Cost: Occupational Health Center, Ambulance. Recurring Cost: Annual health checkups & work place monitoring.
7	Noise Pollution	1.0	0.50	Capital Cost: Installation of acoustic enclosure. Recurring Cost: Monitoring & Maintenance.
8	Fire and Safety	15.0	0.10	Fire hydrant, detection, protection and alarm system, emergency rescue vehicles, devices and equipments.
9	CER Activities*	34.0	0	1. Rejuvenation of Village Pond- Ladpur 2. Tree plantation in the open area in the village
Sub Total		359	49.1	

CER activities (To be completed within 18 months):

Details of activities to be carried out in lieu of CER activities and completed within 18 months are as under:

Sr. No	Activities	Amount (Rs. Lac)	Compliance Status
1.	Rejuvenation of Village Pond- Ladpur, Block Amloh, District Fatehgarh Sahib	20.0	Pertaining to activity No.1 planation has been done all around the pond.
2.	Plantation of 1400 Tall Plants of 8 to 10 feet height of indigenous tree species including tree guards and maintenance of the plants for 3 years in the vacant areas in the village	14.0	Plantation has been carried out in the nearby villages.
Total		34.0	

The entire cost of the environmental management plan will continue to be borne by the project proponent throughout the life of the Project. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office / SEIAA along with the Six-monthly Compliance Reports.

iv.	Self-environmental audit shall be conducted annually. Every Three years third-party environmental audit shall be carried out.	Noted and Agreed for Compliance.
v.	All the recommendations made in the Charter on Corporate Responsibility for	NA: As no separate CREP has been formulated for

	Environment protection (CREP) for the plants shall be implemented.	secondary metallurgical industry.
X.	Validity	
i.	The environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.	Noted & agreed
XI	Miscellaneous	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.	Complied with: Copy (S) of Newspaper cutting enclosed as Annexure-II.
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied with: The designated developmental heads have been provided with the copies of EC grant order.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Noted & agreed for compliance. Website of the industry is yet to be designed.
iv.	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Complied: The level of criteria pollutants in terms of air quality has been attached as Annexure-III.
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Agreed for compliance: The six-monthly compliance report is being uploaded to the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
vi.	The project proponent shall submit the environmental statement for each	Noted & agreed for compliance in operation phase.

	financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	
vii.	The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	There is proposal of expansion in EC.
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted & agreed
ix.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.	Noted & agreed
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted & agreed
xi.	The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office and PPCB furnishing the requisite data/ information/ monitoring reports.	Noted& agreed: Full Corporation in terms of information & data shall be extended to the compliance monitoring team (s).
XII	Additional Conditions	
I	The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report	Noted & agreed
ii	The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.	Noted & agreed for compliance in operation phase.
iii	The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on Parivesh portal.	Noted & agreed

EC Letter

ENVIRONMENTAL
CLEARANCE

PARIVESH

*(Pro-Active and Responsive Facilitation by Interactive,
and Virtuous Environmental Single-Window Hub)*

Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority (SEIAA), Punjab)

To,

The Partner
 M/S P.V. INDUSTRIES
 Village- Alour, Peer Gajju Shah Road Tehsil- Khanna -141401

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/PB/IND/77529/2018 dated 09 Jun 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC22B008PB146652 |
| 2. File No. | SEIAA/PB/IND/2022/EC/16 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including Schedule No. | 3(a) Metallurgical industries (ferrous & non ferrous) |
| 6. Name of Project | Proposed New Steel Manufacturing Unit P.V. Industries at Village Alour Peer Gajju Shah road Tehsil Khanna District Ludhiana |
| 7. Name of Company/Organization | M/S P.V. INDUSTRIES |
| 8. Location of Project | Punjab |
| 9. TOR Date | 31 Aug 2018 |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 29/07/2022

(e-signed)
 Kamal Kumar Garg, PCS
 Member Secretary
 SEIAA - (Punjab)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

This is a computer generated cover page.

This has reference to your online proposal no. SIA/PB/IND/77529/2018 dated 09.06.2022 for environmental clearance to the above-mentioned project.

2) State Environment Impact Assessment Authority (SEIAA), Punjab has examined the proposal for the establishment of the steel manufacturing unit "M/s P.V. Industries" for the production capacity of 1,94,400 TPA of Steel Ingots/Billets by the installation of 3 Induction Furnaces of capacity 15 TPH each, Concast (1 No.) and Laddle Refining Furnace (1 No.) at Village Alour, Peer Gajju Shah road, Tehsil- Khanna, District- Ludhiana, Punjab. The project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, dated 14.09.2006 and its subsequent amendments and requires appraisal at the State level.

3) State Environment Impact Assessment Authority (SEIAA), Punjab had granted Terms of Reference (TOR) vide letter no. SEIAA/2018/1142 dated 31.08.2018 to the project proponent. Punjab Pollution Control Board conducted the public hearing for the project on 19.10.2021.

4) The proposal has been appraised as per the procedure prescribed under the provisions of EIA Notification 14.09.2006 based on mandatory documents enclosed with the application viz Form-2, EIA, EMP, and additional documents and subsequent presentation/clarifications made by the project proponent and his consultant to the observations of SEIAA and SEAC.

5) The details of the project, as per the application and documents/ presentation submitted by the project proponent and also as informed during the meetings of SEAC/SEIAA are as under:

Sr. No.	Item No.	Details		
1.	Nature & location of Project	M/s P.V. Industries Village Alour, Peer Gajju Shah road, Tehsil- Khanna, District- Ludhiana, Punjab.		
2.	Latitude & Longitude	Corner	Latitude	Longitude
		A	30°40'39.96"N	76°15'40.63"E
		B	30°40'41.07"N	76°15'42.15"E
		C	30°40'42.81"N	76°15'52.18"E
		D	30°40'41.05"N	76°15'53.57"E
		E	30°40'37.17"N	76°15'53.52"E
		F	30°40'37.70"N	76°15'51.08"E
		G	30°40'33.62"N	76°15'42.08"E
		H	30°40'34.90"N	76°15'40.66"E
		I	30°40'37.07"N	76°15'40.51"E
3.	Project/ activity covered	Schedule: 3(a): Metallurgical Industries (ferrous & non-ferrous); Category: B-1		

4.	Classification/ landuse pattern as per Master Plan	The industry is located in the industrial zone as per the Master Plan of Khanna.		
5.	Cost of the project	Rs. 28.00 Crores		
6.	Manpower	350		
7.	Plot area details	37927.58 sq.m		
8.	Area break-up details	The area breakup details are given below:		
		Sr. No.	Particulars	Area in sqm
		1.	Shed Coud Area	11798.58
		2.	Office Block Coud Area	111.48
		3.	Stores, Toilet Blocks & Meter RM. Meter Room, & Hazardous Waste Room, Etc. Coud Area	221.10
		4.	Plantation Area	12541.80
		5.	Passage Area	6967.67
		6.	Transporting Parking Open Area	1393.53
		7.	Staff Parking Area	66.88
		8.	Cycle Parking Area	111.48
		9.	Grid Area, Open Area & Other Area	4715.02
		10.	Total Plot Area	37927.58
9.	Raw materials details	S. No.	Raw Materials	Quantity
		1.	MS Scrap	2,11,033 TPA
		2.	Ferro Alloys	4307 TPA
10.	Production capacity details	Sr. No.	Product Name	Quantity
		1.	Steel Ingots/Billets	1,94,400 TPA
11.	Details of major productive machinery/ plant	Sr. No.	Machinery	Quantity
		1.	Induction Furnaces	3 × 15 TPH
		2.	Ladle Refining Furnace	01 No.
		3.	Concast	01 No.
		4.	D.G. Sets	1X320 KVA, 1X62.5 KVA, 1X25 KVA
12.	Details of the technology proposed for control of emissions & effluents generated from the project			
	Sr. No.	Source of emission	Capacity	Stack Height Technology to be adopted

	1.	Induction Furnace	3 x 15 TPH	30 m from ground level	Side Suction hood, Pulse jet bag filter with offline cleaning technology of capacity 80,000 m ³ /hr. each	
	2.	LRF	01 No.	30m from ground level	Side Suction hood, Pulse jet bag filter with offline cleaning technology of capacity 80,000 Nm ³ /hr. each	
	3.	D.G. Set	1X320 KVA, 1X62.5 KVA, 1X25 KVA	3m above roof level	Stack of adequate height attached with canopy	
	4.	STP	20 KLD		MBBR technology	
14.	Break-up of Water Requirements & its source in Operation Phase		Total water demand of the project is 71 KLD in summer season and the break-up of the same is given as under:-			
	S. No.	Purpose		Water demand (KLD)		
	1.	Make-up water for cooling demand		55		
	2.	Domestic water demand		16		
15.	Wastewater generation & its disposal Arrangement in Operation Phase		S.No.	Description	Total	Mitigation Measures/Remarks
	1.	Treated wastewater		12.8 KLD	Will be treated in proposed STP of capacity 20KLD	
	2.	Industrial Effluent		Nil	--	
16.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization, and disposal.		Hazardous waste:			
	S.No.	Waste category	Proposed	Disposal		
	1.	Category 35.1 APCD dust	0.6 TPD	Will be sent to M/S Madhav KRG Limited		
	2.	Category 5.1- Used Oil	0.02 KLA	Authorized Recyclers/Lubricant within the industry		
	Non-Hazardous waste:					
	S.No.	Waste	Proposed	Disposal		
	1.	Slag	31.03 TPD	20% reused for metal recovery & remaining 80% will be given to M/s Shiva Tiles (Manufacturers of Interlocking tiles)		

17.	Solid Waste generation and its mode of disposal	S. No.	Type of waste	Total	Disposal	
		1.	Domestic solid waste	360TPA	Solid waste will be disposed of as per Solid Waste Management Rules, 2016	
18.	Energy requirements & savings	a)	22 MW energy will be required which will be met by PSPCL.			
		b)	3 DG set of capacity 1X320 KVA, 1x62.5 KVA and 1x 25 KVA will be installed with the adequate stack height			
		c)	Energy Saving measures to be adopted:			
		(i)	LEDs will be provided in place of CFLs.			
		(ii)	Energy-efficient Induction Furnaces and other machinery will be installed.			

7) As per the undertaking submitted by the project proponent, the proposal neither requires approval/clearance under the Forest (Conservation) Act, 1980 nor under the Wildlife (Protection) Act, 1972. Also, no litigation is pending in respect of the land on which the project is to be developed.

8) The SEAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, has examined the proposal submitted by the project proponent in desired form along with the EMP report prepared and submitted by the Consultant accredited by the QCI/NABET on behalf of the project proponent in its 223rd meeting held on 27.06.2022. The SEAC noted that the project proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the report. If any part of data/information submitted is found to be false/misleading at any stage, the project may be rejected and Environmental Clearance given, if any, may be revoked at the risk and cost of the project proponent.

9) The Committee noted that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. Therefore, the Committee decided to forward the case to the SEIAA with the recommendation to grant Environmental Clearance for the establishment of the Steel Manufacturing Unit namely "M/s P.V. Industries" for the production capacity of 1,94,400 TPA of Steel Ingots/Billets by the installation of 3 Induction Furnaces of capacity 15 TPH each, Concast (1 No.) and Ladle Refining Furnace (1 No.) at Village Alour, Peer Gajju Shah road, Tehsil- Khanna, District- Ludhiana, Punjab, as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant.

10) The case was lastly considered by the SEIAA in its 210th meeting held on 19.07.2022 wherein SEIAA observed that the case stands recommended by SEAC. The Authority examined and appraised the environmental impacts and other aspects of the project proposal in detail as deliberated upon and recorded in the proceedings of its 210th

meeting held on 19.07.2022 and was satisfied with the same. Therefore, the Authority decided to grant the Environmental Clearance for the establishment of Steel Manufacturing Unit namely "M/s P.V. Industries" having capacity 1,94,400 TPA of Steel Billets/Ingots by installation of 3 No. Induction Furnaces of capacity 15 TPH each, 1 Concast Machine & 1 Laddle Refining Furnace (LRF) at Village Alour, Peer Gajju Shah Road, Tehsil Khanna, Distt. Ludhiana, Punjab as per the details mentioned in Form 2, EIA report and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures, conditions as proposed by SEAC in addition to the proposed measures.

11) Accordingly, SEIAA, Punjab hereby accords Environmental Clearance to the aforesaid project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments subject to proposed measures and strict compliance with terms and conditions as follows:

I. Statutory compliance

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
- iv. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned Punjab Pollution Control Board.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of withdrawal of groundwater and also in case of use of surface water required for the project. In case of non-grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from the competent authority.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vii. The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- viii. The project proponent shall comply with the CLU conditions imposed by the competent authority, if any.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March, 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December, 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
- viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.
- ix. The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.

III. Water quality monitoring and preservation

- i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- ii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iii. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, 1 no. of pond at Village Ladpur, Block Amloh, District Fatehgarh Sahiba having recharge potential of volume @ 33,250 m³/annum shall be adopted to recharge the water @ 49,875 kl/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.
- iv. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

- i. Noise level survey shall be carried as per the prescribed guidelines and the report in this regard shall be submitted to the Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

- i. The project proponent shall practice hot charging of slabs and billets/blooms as far as possible.
- ii. The project proponent shall provide solar power generation on rooftops of buildings, solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- iii. The project proponent shall provide the for LED lights in their offices and residential areas.
- iv. The Project Proponent shall practice hot charging of slabs and billets/blooms as far as possible.

VI. Waste management

- i. Used refractories shall be recycled as far as possible.

- ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- iv. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

- i. Green belt shall be developed in an area of 12541.80 Sqm (equal to 33% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 1900 tall saplings (minimum 6 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- v. The project proponent shall carry out the activities apart from CER activities and spent an amount as commuted during the public hearing as per the public hearing action plan.

IX. Environment Management Plan

- i. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions to all / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly report to the head of the organization.
- iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection

measures shall be kept in separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 359 Lakhs towards the capital cost and Rs 49.10 Lakhs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in EMP plan as under:

Sr. No	Title	Approx Capital Cost (Rs. Lac)	Approx Recurring Cost (Rs.Lac/Ann um)	Indicative Basis for Cost Estimation
1.	Air Pollution Control	245.0	25.0	Capital Cost: Installation of APCS, adequate stacks, CEMS etc & Dust suppression by wet spray and barricading, installation of shredder. Recurring Cost: Cost of stack and ambient air monitoring.
2.	Water Pollution	20.0	2.5	Capital Cost: Installation of STP, Manpower Cost, Cost of Chemicals Recurring Cost: STP Inlet/Outlet monitoring, treated waste recycling/Reuse.
3.	Rain Water Harvesting	10.0	1.0	Capital Cost: Rainwater harvesting & water conservation efforts costs. Recurring Cost: Maintenance of Rainwater Harvesting structure & water conservation etc.

4.	Green Belt	19.0	19.0 for 3 Years	Capital Cost: Green Belt development cost Recurring Cost: Greenbelt maintenance cost.
5.	Solid & Hazardous waste management	5.0	0.70	Capital Cost: Membership of TSDF, storage areas for wastes. Recurring Cost: Cost of transportation & storage of solid/hazardous waste.
6.	Occupational Health	10.0	0.30	Capital Cost: Occupational Health Center, Ambulance. Recurring Cost: Annual health checkups & work place monitoring.
7.	Noise Pollution	1.0	0.50	Capital Cost: Installation of acoustic enclosure. Recurring Cost: Monitoring & Maintenance.
8.	Fire and Safety	15.0	0.10	Fire hydrant, detection, protection and alarm system, emergency rescue vehicles, devices and equipments.
9.	CER Activities*	34	0	1. Rejuvenation of Village Pond- Ladpur 2. Tree plantation in the open area in the village
Sub Total		359	49.1	

***CER activities (To be completed within 18 months):**

Details of activities to be carried out in lieu of CER activities and completed within 18 months are as under:

Sr. No.	Activities	Amount (Rs. Lac)
1.	Rejuvenation of Village Pond- Ladpur, Block Amloh, District- Fatehgarh Sahib	20.0
2.	Plantation of 1400 Tall Plants of 8 to 10 feet height of indigenous tree species including tree guards and maintenance of the plants for 3 years in the vacant areas in the village	14.0
	Total	34.0

The entire cost of the environmental management plan will continue to be borne by the project proponent throughout the life of the Project. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office / SEIAA along with the Six-Monthly Compliance Reports.

- iv. Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
- v. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

X. Validity

- i. This environmental clearance will be valid for a period of ten years from the date of its issue or till the completion of the project, whichever is earlier.

XI. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.
- x. No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xi. The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/ information/monitoring reports.

XII. Additional Conditions:

- i. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.
- ii. The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.
- iii. The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on Parivesh portal.

11) The SEIAA reserves the right to stipulate additional conditions if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time-bound manner. SEIAA may revoke or suspend the environmental clearance if the implementation of any of the above conditions is not found to be satisfactory.

12) Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

13) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

14) The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016, the Public Liability Insurance Act, 1991 read with subsequent amendments therein and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

15) This issues with the approval of the Competent Authority.

(Kamal Kumar Garg, PCS)
Member Secretary, SEIAA

Through Parivesh

Copy to: -

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi
2. The Secretary, Department of Science, Technology & Environment, Government of Punjab, Chandigarh.
3. The Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh-160030. The detail of the authorized Officer of the project proponent is as under:
 - a) Name of the applicant : Sh. Dinesh Bansal (Partner)
 - b) Mobile No. : 98140-59078
 - c) Email Id : pvindustries01@gmail.com
 - d) Email ID of Env. Consultant : cptleia@gmail.com
4. The Deputy Commissioner, Ludhiana.
5. The Deputy Commissioner, Patiala.
6. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi
7. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, 147001

8. The Secretary, Punjab Water Regulation and Development Authority, SCO 149-152, Sector 17-C, Chandigarh-160017.
9. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali.
10. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003
11. Parivesh Portal/Record File.

(Kamal Kumar Garg, PCS)
Member Secretary, SEIAA
E-mail: seiaapb2017@gmail.com

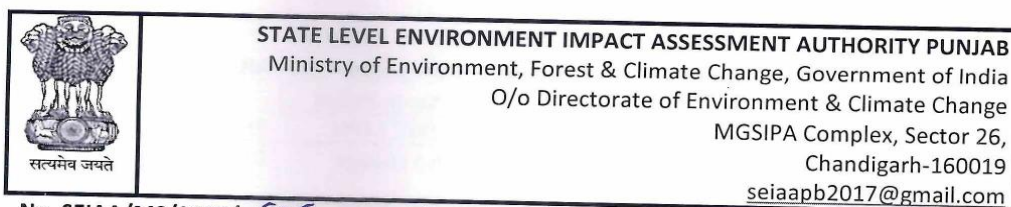


Signature Not Verified

Digitally signed by Sh. Kamal
Kumar Garg, PCS
Member Secretary

Date: 7/29/2022 10:28:10 AM

EC Amendment



No. SEIAA/MS/2023/ 505

Through Parivesh

Date: 23/03/2023

To

M/s P.V. Industries,
Village- Alour, Peer Gajju Shah Road
Tehsil- Khanna Punjab 141401

Subject: Amendment in Environmental Clearance of M/s P.V. Industries at Village Alour, Peer Gajju Shah road, Tehsil- Khanna, District- Ludhiana, Punjab. (Proposal No. SIA/IND/297173/2023).

This has reference to your online application submitted on 31.01.2023 for amendment in Environmental Clearance (EC) granted by SEIAA vide EC Identification No. EC22B008PB146652 dated 29.07.2022.

The case was considered by SEIAA in its 239th meeting held on 01.03.2023, wherein, SEIAA perused the request of the project proponent and observed that the project was initially granted EC by SEIAA vide EC identification No. EC22B008PB146652 dated 29.07.2022 for the the establishment of Steel Manufacturing Unit namely "M/s P.V. Industries" having capacity 1,94,400 TPA of Steel Billets/Ingots by installation of 3 No. Induction Furnaces of capacity 15 TPH each, 1 Concast Machine & 1 Laddle Refining Furnace (LRF) at Village Alour, Peer Gajju Shah Road, Tehsil Khanna, Distt. Ludhiana, Punjab.

Now, the industry has proposed to install only 02 no. energy efficient induction furnaces each of 22.5 TPH capacity in place of 03 no. induction furnaces (each of 15TPH capacity),thereby substantially decreasing the energy consumption, manpower and space requirements. Moreover, there will not be any change either in the production capacity or quantities of raw material on account of the requested amendment.

SEIAA observed that the industry is only changing the configuration of the furnaces by proposing two furnaces of 22.5 TPH capacity instead of the earlier 3 furnaces (each of 15 TPH capacity). As such, there will be no increase in the pollution load of the project on account of the proposed amendment.

Accordingly, an amendment in the Environmental Clearance is, hereby, issued subject to the same terms and conditions as imposed in the original Environmental Clearance granted by SEIAA vide EC identification No. EC22B008PB146652 dated 29.07.2022 to the industry namely M/s P.V. Industries located at Village Alour, Peer Gajju Shah road, Tehsil-Khanna, District- Ludhiana, Punjab, Punjab as per Table 1 given below:

4

Table 1

Sr. No.	Plant/ Equipment/ Facility	As per existing EC	Proposed Amendment	After amendment
1.	Induction Furnace	3X15TPH	2X22.5TPH	2X22.5TPH
2.	Ladle Refining Furnace	01 No.	No change	01 No.
3.	Concast	01 No.	No change	01 No.
4.	Products: - Steel Ingots/Billets	1,94,400TPA	No change	1,94,400TPA
5.	Raw material: - i) MS Scrap ii) Ferro Alloys	2,11,033TPA 4,307TPA	No change No change	2,11,033TPA 4,307TPA
6.	Project Cost	Rs. 28 Cr.	No change	Rs. 28 Cr.
7.	Plot area	37927.58sqm	No change	37927.58sqm

This letter must remain appended with the original Environmental Clearance issued vide no. EC22B008PB146652 dated 29.07.2022 vide which Environmental Clearance was granted by SEIAA to the industry.

This issues with the approval of Competent Authority.


28.03.23
Environmental Engineer

Endst No. _____

Through Parivesh

Date _____

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi
2. The Secretary, Department of Science, Technology & Environment, Government of Punjab, Chandigarh.
3. The Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh-160030. The detail of the authorized officer of the project proponent is as under:
 - a) Name of the applicant : Sh. Dinesh Bansal, Partner
 - b) Mobile No. : 98140-59078
 - c) Email Id : pvindustries01@gmail.com
 - d) Email ID of Env. Consultant : cptleia@gmail.com
4. The Chairman, Punjab State Power Corporation Ltd, the Mall, Patiala.
5. The Deputy Commissioner, Ludhiana.
6. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi
7. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, 147001
8. The Secretary, Punjab Water Regulation and Development Authority, SCO 149-152, Sector 17-C, Chandigarh-160017.

9. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali.
10. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003

41/-
Environmental Engineer

Copy of EC Granted Advertisement Published in Local Newspaper
English Version

PUBLIC NOTICE

It is for the information of General Public that the Environmental Clearance of our Project namely "M/s P.V. Industries", Located at Village- Alour, Peer Gajju Shah Road, Tehsil- Khanna, District Ludhiana, Punjab has been granted by State Level Environment Impact Assessment Authority, Punjab vide their EC Identification No. EC22B008PB146652 dated 29-07-2022. Copy of the Environmental Clearance if available with Punjab Pollution Control Board, Patiala and may be seen there, if desired, on any working day.

By,
M/s P.V. Industries
Village-Alour, Peer Gajju Shah Road, Tehsil- Khanna, District-Ludhiana, Punjab.

The pioneer

CHANDIGARH | THURSDAY | AUGUST 18, 2022

SERENA TROUNCED BY RADUCANU

AP ■ CINCINNATI

Serena Williams bowed out of the WTA/ATP Cincinnati Masters at the first hurdle on Tuesday, losing in straight sets to US Open champion Emma Raducanu as the end of her glittering career looms ever closer.

Williams, who last week indicated that she is planning to retire after this month's US Open, was no match for British teenager Raducanu, who romped to a 6-4, 6-0 win.

The 40-year-old Williams left the court swiftly after the defeat without speaking to television reporters and did not hold a press conference.

Raducanu broke Williams at the start of both sets to claim victory in what was her first and likely last meeting with the 23-time Grand Slam singles champion.

"I was nervous from the first point to the last," Raducanu said. "Serena is dangerous and can come back from any situation."

"I had to stay focused. I'm so pleased I managed to keep my composure," Williams, winner of titles here in 2014 and 2015, was competing in only her fourth match of 2022 after starting her season at Wimbledon due to injury.

Raducanu announced her intentions from the start with a break to love of Williams and never let up.



US OPEN CHAMPION EMMA RADUCANU BROKE UNITED STATES SUPERSTAR SERENA WILLIAMS AT THE START OF BOTH SETS TO CLAIM VICTORY IN WHAT WAS HER FIRST AND LIKELY LAST MEETING WITH THE 23-TIME GRAND SLAM SINGLES CHAMPION WILLIAMS. LAST WEEK INDICATED THAT SHE IS PLANNING TO RETIRE AFTER THIS MONTH'S US OPEN.

The young Briton improved to 14 wins, 17 defeats since winning the Open last September from a qualifying start.

Raducanu meanwhile said she was honoured to be part of the spectacle on Tuesday in what was one of Williams' final games as a professional.

"We all need to honour Serena and her amazing career," she said. "I'm so grateful for the experience of playing her and for the fact that our careers have crossed."

"All she has achieved is inspirational. It's a true honour to share the court with her," Raducanu never let Williams into the match.

The young Londoner seeded 10th took a 4-1 lead in the opening set and completely swept the second, advancing on her first match point, an unreturnable serve.

Raducanu committed a single unforced error in the opening set compared to a dozen for Williams.

Venus, Osaka exit in 1st round

AP ■ CINCINNATI

Venus Williams and Naomi Osaka both exited the ATP/WTA Cincinnati Masters on Tuesday with straight-set, opening-round losses.

Williams, 42, who won her last match at the Midwestern pre-US Open event in 2019, lost to 2016 champion Karolina Pliskova 7-5, 6-1.

Osaka's summer form slump deepened meanwhile as nearly one and three-quarter hours.

Williams, semi-finalist from a decade ago, has gone winless in her last five matches, last earning a victory in the Wimbledon first round.

Pliskova said she had to lift her legs to run away with the second set.

"Venus is a great champion, she's a fighter with a big game and big serve," the Czech said.

Osaka's first-round defeat was the second in as many weeks for Japan's former world number one, now ranked 39th.

The 24-year-old was eliminated in the Toronto first round and has won just a single match out of four on cement — at the WTA Silicon Valley in July.

World number 44 Zhang moved into the second round

PUBLIC NOTICE

It is for the information of General Public that the Environmental Clearance of our Project namely "M/s P.V. Industries", Located at Village- Alour, Peer Gajju Shah Road, Tehsil- Khanna, District Ludhiana, Punjab has been granted by State Level Environment Impact Assessment Authority, Punjab vide their EC Identification No. EC22B008PB146652 dated 29-07-2022. Copy of the Environmental Clearance if available with Punjab Pollution Control Board, Patiala and may be seen there, if desired, on any working day.

By,
M/s P.V. Industries
Village-Alour, Peer Gajju Shah Road, Tehsil- Khanna, District-Ludhiana, Punjab.

6 | ਪੰਜਾਬੀ ਜਾਗਰਣ | ਜਲੰਧਰ 18 ਅਗਸਤ 2022

ਇਕ ਨਜ਼ਰ
ਸੀਯੂਈਟੀ ਦੇ ਚੌਥੇ ਪੜਾਅ 'ਚ ਕਈ ਕੇਂਦਰਾਂ 'ਤੇ ਪ੍ਰੀਖਿਆ ਰੱਦ
 ਨਵੀਂ ਦਿੱਲੀ : ਸੈਂਟਰਲ ਯੂਨੀਵਰਸਿਟੀ ਦਾ ਮੁੱਖ ਪ੍ਰੀਖਿਆ (ਸੀਯੂਈਟੀ) ਕੇਂਦਰਾਂ 'ਤੇ ਕਈ ਕੇਂਦਰਾਂ 'ਤੇ ਪ੍ਰੀਖਿਆ ਰੱਦ ਕਰ ਦਿੱਤੀ ਗਈ। ਇਸ 'ਚ ਕਈ ਕੇਂਦਰਾਂ 'ਤੇ ਪ੍ਰੀਖਿਆ ਰੱਦ ਕਰ ਦਿੱਤੀ ਗਈ। ਇਸ 'ਚ ਕਈ ਕੇਂਦਰਾਂ 'ਤੇ ਪ੍ਰੀਖਿਆ ਰੱਦ ਕਰ ਦਿੱਤੀ ਗਈ।

ਮਰਨ ਵਾਲਿਆਂ
 ਜਾਗਰਣ ਸੰਵਾਦਕਾਂ, ਸੰਪਾਦਕਾਂ, ਮਿਤੀ ਪੇਂਡਰਾਂ ਦੀ ਤਰੀਕਿਆਂ ਕਾਰਨ ਮਰਨ ਵਾਲਿਆਂ ਦੀ ਸੂਚੀ ਪ੍ਰਕਾਸ਼ਿਤ ਕੀਤੀ ਗਈ।

ਪੰਜਾਬੀ ਜਾਗਰਣ
ਕਲਾਸੀ ਰਾਈਡ
 ਸੰਪਾਦਕਾਂ

FOR SALE
 RMB DAV College Public School Nawanshahr
 10.50 Hb. Class - MBH. Bus. Reading Capacity 30. Power up to 31107021. Good Condition. Interested send enquiry to: dave1987@gmail.com. Tel No. 9417841750 (C-79922)

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NOTICE
 This is to inform that the name of the person who is mentioned in the above notice is not the same person as the person mentioned in the notice of the same name. (C-79920)

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Classified / Matrimonial Rates
 (Punjabi Jagran)
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 Rs. 195/- (IN/IN) pscm.

NOTICE

ਇਹ ਮੇਰਾ ਜਨਮ ਦੀ ਜਾਣਕਾਰੀ ਲਈ ਹੈ ਕਿ ਮੇਰਾ ਪੂਰਨ ਨਾਮ ਮੇਰਾ ਪਿਤਾ ਪੀਰ ਗਾਂਧੀ ਸ਼ਾਹ ਰੋਡ, ਤਹਿਸੀਲ ਖੇਨਾ, ਜ਼ਿਲਾ ਲੁਧਿਆਣਾ, ਪੰਜਾਬ ਨੂੰ ਰਾਜ ਪੱਧਰੀ ਵਾਰਾਚਰਟ ਪ੍ਰੋਗਰਾਮ ਮੁਲਾਕਾਤ ਅਥਾਰਟੀ, ਪੰਜਾਬ ਨੇ ਆਪਣੇ ਪੱਤਰ ਨੰਬਰ EC 22B008SPB146652 ਮਿਤੀ 29.07.22 ਦੇ ਰਾਹੀਂ ਵਾਰਾਚਰਟ ਪ੍ਰੋਗਰਾਮ ਪ੍ਰਕਾਸ਼ਿਤ ਕੀਤਾ ਹੈ, ਇਸ ਪ੍ਰਕਾਸ਼ਿਤ ਪੱਤਰ ਦੀ ਕਾਪੀ ਪੰਜਾਬ ਪ੍ਰਦੇਸ਼ ਕੋਰਟ ਓਫ਼ ਓਰਡਰ, ਪਟਿਆਲਾ ਕੋਲ ਉਪਲੱਬਧ ਹੈ ਅਤੇ ਕਾਰਜਕਾਰੀ ਚਿਨ੍ਹ ਦੇ ਦਰਮਿਆਨ ਚਾਰਟਰਡ ਵੱਖੀ ਜਾ ਸਕਦੀ ਹੈ। ਵਲ-ਮੇਸਰਜ ਪੀਵੀ ਇੰਡਸਟਰੀਜ਼ ਪਿੰਡ ਅਲੰਤ ਪੀਰ ਗਾਂਧੀ ਸ਼ਾਹ ਰੋਡ, ਤਹਿਸੀਲ ਖੇਨਾ, ਜ਼ਿਲਾ ਲੁਧਿਆਣਾ, ਪੰਜਾਬ (C-79920)

I Sukesh Kalia S/o Mansoor Kumar Kalia R/o H.No.267 Urban Estate, Village Mansoorwal Dona, Tehsil & District Kapurthala declare that Sukesh Kumar Kalia and Sukesh Kalia is one and the same person. (C-79920)

ANALYSIS REPORTS

Ambient Air



**CHANDIGARH POLLUTION
TESTING LABORATORY**
(Environmental Monitoring, EIA, NOC, ETP, STP)
NABET Accredited EIA Consultant



H.O. : #372, Sector 15-A, Chandigarh-160 015
Phone : 0172-4669295
Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055
Phone : 0172-5090312
E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/E.C/2024/03/56(A)

Format No. CPTLF7 8-I(A)
REPORTING DATE: 28-03-2024

NAME OF INDUSTRY: M/s. P.V. INDUSTRIES,
VILL.- ALOUR, PEER GAJJU SHAH ROAD,
TEHSIL- KHANNA, DISTT.-LUDHIANA.

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-1	Type of Sample:	Ambient Air
Sampling Method:	CPTL/SM/01	Point of Sample:	Near Main Gate
Date of Sample Collection:	22-03-2024	Environmental Conditions:	Normal
Date of Sample Received in Lab.:	22-03-2024	Analysis Duration:	22-03-2024 to 28-03-2024
Sample Identification No.:	CPTL/EC/2024/03/56(A)	Sample Collected By:	Amrit Singh & Team
Nature of Sample:	Air Sample		

TECHNICAL DATA

1.	Location of Sampling station	Near Main Gate	
2.	Instrument used for Sampling	RDS, FPS & Gaseous Attachment	
3.	Time period for Sampling	480 minutes	
PARAMETERS	RESULTS	AS PER NAAQS- 2009 PRESCRIBED BY CPCB	TEST METHOD
Particulate Matter (PM ₁₀), µg/m ³	86.2	100	IS:5182 (P-23): 2006, (RA – 2012)
Particulate Matter (PM _{2.5}), µg/m ³	38.0	60	IS:5182 (P-24):2019
Nitrogen Dioxide (NO ₂), µg/m ³	15.8	80	IS:5182 (P-6): 2006, (RA – 2012)
Sulphur dioxide (SO ₂), µg/m ³	6.9	80	IS:5182 (P-2): 2001, (RA-2012)
Carbon monoxide (CO), mg/m ³	0.58	4	IS:5182 (P-10): 1999, (RA – 2009)

S. P. Singh
Chemist In-Charge
Date: 28.3.2024

Sital Singh (CEO)
(Authorized Signatory)
Date: 28/03/2024

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

END OF REPORT

Page 1 of 1

Ground Water Report



CHANDIGARH POLLUTION TESTING LABORATORY
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H.O. : #372, Sector 15-A, Chandigarh-160 015
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Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055
Phone : 0172-5090312
E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/EC/2024/03/56(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE: 28-03-2024

NAME OF INDUSTRY:	M/s. P.V. INDUSTRIES, VILL.- ALOUR, PEER GAJJU SHAH ROAD, TEHSIL- KHANNA, DISTT.-LUDHIANA.
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SAMPLE PARTICULARS

Date of Sample Collection	22-03-2024
Sample Received in Lab	22-03-2024
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-1
Sampling Method	CPTL/SM/01
Environmental conditions	Normal
Point of Sample Collection	From Borewell
Quantity & Packaging	2.0 liters in Plastic bottle
Sample Identification No.	CPTL/EC/2024/03/56(W)
Analysis Duration	22-03-2024 to 28-03-2024
Sample Collected By	Amrit Singh & Team
Visual Observation	Clear and colorless.

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.55	6.5-8.5	No relaxation	IS: 3025 (P-11): 2022
2.	Color, HU	<5	5	15	IS: 3025 (P-4): 2021
3.	Turbidity, NTU	<1	1	5	IS: 3025 (P-10): 1984 (RA-2017)
4.	Total Dissolved Solids, mg/l	360	500	2000	IS: 3025 (P-16): 1999 (RA-2019)
5.	Total Hardness (as CaCO ₃), mg/l	260	200	600	IS: 3025 (P-21): 2009 (RA-2019)
6.	Calcium (as Ca ⁺⁺), mg/l	38.0	75	200	IS: 3025 (P-40): 2004
7.	Magnesium (as Mg ⁺⁺), mg/l	18.0	30	100	IS: 3025 (P-46): 1994 (RA-2019)
8.	Total Alkalinity (as CaCO ₃), mg/l	240	200	600	IS: 3025 (P-23): 2006
9.	Chloride (as Cl), mg/l	12.4	250	1000	IS: 3025 (P-32): 1998 (RA-2019)
10.	Sulphate (as SO ₄), mg/l	18.8	200	400	IS: 3025 (P-24): 2022
11.	Iron (as Fe), mg/l	0.14	0.3	No relaxation	IS: 3025 (P-53): 2003 & C/1, 10 Phenanthroline Method (RA-2019)
12.	Zinc (as Zn), mg/l	ND (DL-0.5)	5	15	IS: 3025 (P-49): 1994 (RA-2019)
13.	Nitrate (as NO ₃), mg/l	ND (DL-1.0)	45	No relaxation	IS: 3025 (P-34): 2022
14.	Total Chromium (as Cr), mg/l	ND (DL-0.04)	0.05	No relaxation	IS: 3025 (P-52): 2003 (RA-2019)
15.	Manganese (as Mn), mg/l	ND (DL-0.09)	0.1	0.3	IS: 3025 (P-59): 2006


Page 1 of 2




Sample Received in Lab	22-03-2024
Type of Sample	Ground Water (Grab)
Sample Identification No.	CPTL/EC/2024/03/56(W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
16.	Lead (as Pb), mg/l	ND (DL-0.01)	0.01	No relaxation	IS: 3025 (P-47): 1994 (RA-2019)
17.	Arsenic (as As), mg/l	ND (DL-0.01)	0.01	0.05	IS: 3025 (P-37): 2022
18.	Copper (as Cu), mg/l	ND (DL-0.04)	0.05	1.5	IS: 3025 (P-42): 1992 (RA-2019)
19.	Boron (as B), mg/l	ND (DL-0.1)	0.5	1.0	IS: 3025 (P-57): 2021
20.	Cadmium (as Cd), mg/l	ND (DL-0.001)	0.003	No relaxation	IS: 3025 (P-41):1992 (RA-2019)
21.	Fluoride (as F), mg/l	ND (DL-0.1)	1.0	1.5	IS: 3025 (P-60): 2008
22.	Free Residual Chlorine (as Cl ₂), mg/l	ND (DL-0.1)	0.2	1	IS: 3025 (P-26): 2021
23.	Selenium (as Se), mg/l	ND (DL-0.01)	0.01	No relaxation	IS: 3025 (P-56): 2003 (RA-2019)

ND-Not Detected
DL-Detection Limit


(Chemist In-Charge)
Date: 28-3-2024


Sital Singh (CEO)
(Authorized Signatory)
Date: 28/03/2024

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Noise Monitoring Report



CHANDIGARH POLLUTION TESTING LABORATORY
 (Environmental Monitoring, EIA, NOC, ETP, STP)
 NABET Accredited EIA Consultant



H.O. : #372, Sector 15-A, Chandigarh-160 015
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 Phone : 0172-5090312
 E-mail : cptle126@gmail.com ; lab@cptl.co.in
 Website : www.cptl.co.in



TEST CERTIFICATE

Format No. CPTLF7 8-I(N)

REPORT No. CPTL/EC/2024/03/56(N)

REPORTING DATE: 28-03-2024

NAME OF INDUSTRY: M/s. P.V. INDUSTRIES,
 VILL.- ALOUR, PEER GAJJU SHAH ROAD,
 TEHSIL- KHANNA, DISTT.-LUDHIANA.

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-1	Type of Sample:	Air Quality w.r.t Noise
Sampling Method:	CPTL/SM/01	Sampling location:	Different location
Date of Monitoring:	22-03-2024	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/EC/2024/03/56(N)	Monitoring Done By:	Amrit Singh & Team
Nature of Sample:	Noise Level Monitoring		

NOISE LEVEL

S. No.	Sub-Location	Value in dB(A) (Average) Day Time	Test Method
1.	Project Site	70.5	IS:9989:1981(Rev.2002)

[Signature]
 Chemist In-Charge
 Date: 28.3.2024



[Signature]
 Sital Singh (CEO)
 (Authorized Signatory)
 Date: 28/03/2024

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END OF REPORT

Page 1 of 1

Consent to Establish (CTE)

 PUNJAB POLLUTION CONTROL BOARD Invest Punjab, PBIP, Udyog Bhawan, Sector 17, Chandigarh Website:- www.ppcb.gov.in		
Office Dispatch No.:	PBIP/PPCB/2024/190	
	Date: 08/02/2024.	
To	DINESH KUMAR BANSAL HOUSE NO. 238 LUDHIANA, KHANNA - 147301	
Subject:-	Grant of "Consent to Establish"(NOC) for an industrial plants u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981.	
<p>With reference to your application for obtaining fresh 'Consent to Establish'(NOC) an industrial plants u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act,1981, you are hereby permitted to establish the industrial plant to discharge the effluent(s) & emission(s) arising out of your premises subject to the Terms and Conditions as specified in this Certificate.</p>		
1. Particulars of Consent to Establish (NOC) granted to the Industry:		
PIN	231283188	
Application No.:	2401927729	
Date of Issue	08-Feb-2024	
Date of Expiry:	5-Jan-2025	
Certificate Type:	Fresh	
Certificate No.:	CTE Fresh/FGS/PBIP/2024/2401927729	
2. Particulars of the Industry:		
Name & Designation of the Applicant:	DINESH KUMAR BANSAL, (Partner)	
Name of Business Entity	P.V. INDUSTRIES	
Name of the Project/Unit:	P.V. INDUSTRIES	
Address of Project/Unit:	G.T. ROAD ALOUR KHANNA, DISTT LUDHIANA , Khanna , Ludhiana	
Capital Investment of the Industry (in lakhs):	1889.43	
Category of Industry:	Orange	
Type of Industry:	2063 - Steel and steel products using various furnaces like blast furnace /open hearth furnace/induction furnace/arc furnace/submerged arc furnace /basic oxygen furnace /hot rolling reheated furnace	
Scale of the Industry:	Large - > Rs. 50 Crore	
Office District:	Fatehgarh Sahib	
Consent Fee Details:	Rs. 72,000/- vide online R No. 866196264 dated 06/01/2024.	
Raw Materials (Name with quantity per day):	MS Scrap @ 602.95 MTD and Ferro Alloys @ 12.31 MTD	
Invest Punjab - Business First		
Page 1 of 9		

Products (Name with quantity per day)	Steel Ingots / Billets with CCM @ 555.42 MTD OR TMT, Wire Rod, Angle, Channel, Strips, Rounds, Flats, Bar, Structures and other rerolled product (Rolling Mill) @ 550 MTD
By Products, if any (Name with quantity per day)	--
Details of the machinery and processes	As per application form.
Details of Effluent Treatment Plant	Trade Effluent Nil Domestic Effluent 9.6 KLD to be passed through septic tank.
Mode of disposal of Effluent:	Treated Domestic Effluent - onto land for plantation/ green area within premises.
Standard to be achieved under Water(Prevention & Control of Pollution) Act, 1974.	As prescribed by the CPCB/ MoEF&CC/PPCB, from time to time.
Sources of emissions and type of pollutants:	Furnace Details: Induction Furnace - 22 TPH - SPM Induction Furnace - 22 TPH - SPM LRF - SPM DG Sets: 3 no. DG Sets of capacities 320 KVA, 62.5 KVA, 25 KVA - SPM, SOx, NOx
Mode of disposal of emissions with stack height:	Furnace Details: Induction Furnace - 22 TPH - 25 m AGL Induction Furnace - 22 TPH - 25 m AGL LRF - 25 m AGL DG Sets: 3 no. DG Sets of capacities 320 KVA, 62.5 KVA, 25 KVA - stack of height as per following formula: $H = h + 0.2 (KVA)^{0.5}$ where h = height of the building in meters where the generator set is installed.
Quantity of fuel required in TPD:	DG Sets: 3 no. DG Sets of capacities 320 KVA, 62.5 KVA, 25 KVA - HSD Only
Type of Air Pollution Control Devices to be installed:	Furnace Details: Induction Furnace - 22 TPH - Bag Filter House Induction Furnace - 22 TPH - Bag Filter House LRF - Bag Filter House DG Sets: 3 no. DG Sets of capacities 320 KVA, 62.5 KVA, 25 KVA - Canopy to be provided with each DG Set.
Standard to be achieved under Air(Prevention & Control of Pollution) Act, 1981.	As prescribed by the CPCB/ MoEF&CC/PPCB, from time to time.

Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

Endst. No

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

1. Senior Environmental Engineer, Zonal Office-II, Patiala.
2. Environmental Engineer, Regional Office, Fatehgarh Sahib.


Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

A. GENERAL CONDITIONS

1. The industry shall apply for consent of the Board as required under the provision of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Authorization under Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016, two months before the commissioning of the industry.
2. The industry shall provide adequate arrangements for fighting the accidental leakages/ discharge of any air pollutant gas liquids from the vessels, mechanical equipments etc. which are likely to cause environmental pollution.
3. The Industry shall apply for further extension in the validity of the CTE atleast two months before the expiry of this CTE, if applicable.
4. The industry shall comply with any other conditions laid down or directions issued by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 from time to time.
5. The project has been approved by the Board from pollution angle and the industry shall obtain the approval of site from other concerned departments, if need be.
6. The industry shall get its building plans approved under the provisions of section 3-A of Punjab Factory Rules, 1952
7. The industry shall put up display board indicating the Environment data in the prescribed format at the main entrance gate
8. The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets

Specifications of the port-holes shall be as under:

- i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter (D_e) shall be calculated from the following equation to determine upstream, downstream distance:-

$$D_e = 2 LW / (L+W)$$

Where L= length in mts. W= Width in mts.

- ii) The sampling port shall be 7 to 10 cm in diameter

9. The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

(i) Stack height for boiler plants

S.No.	Boiler with Steam Generating Capacity	Stack heights
1	Less than 2 ton/hr	9 meters or 2.5 times the height of neighboring building which ever is more
2	More than 2 ton/hr to 5 ton/hr	12 meters
3	More than 5 ton/hr to 10 ton/hr	15 meters
4	More than 10 ton/hr to 15 ton/hr	18 meters
5	More than 15 ton/hr to 20 ton/hr	21 meters
6	More than 20 ton/hr to 25 ton/hr	24 meters

7.	More than 25 ton/hr to 30 ton/hr	27 meters
8.	More than 30 ton/hr	30 meters or using the formula $H = 14 (Qg)^{0.3}$ $H = 74 (Qp)^{0.24}$ Where Qg = Quantity of SO ₂ in Kg/hr. Qp = Quantity of particulate matter in Ton/day

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

Capacity of diesel generating set		Height of the Stack
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	-do-	+ 2.0 mt
100-150 KVA	-do-	+ 2.5 mt
150-200 KVA	-do-	+ 3.0 mt
200-250 KVA	-do-	+ 3.5 mt
250-300 KVA	-do-	+ 3.5 mt

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$$H = h + 0.2 (KVA)^{0.5}$$

where h = height of the building in meters where the generator set is installed.

10. The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.

11. The industry shall provide flow meters at the source of water supply, at the outlet of effluent treatment plant and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th day of the following month.

12. The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-

(i) Once in Year for Small Scale Industries.

(ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries

13. The pollution control devices shall be interlocked with the manufacturing process of the industry.

14. The Board reserves the right to revoke this "consent to establish" (NOC) at any time, in case the industry is found violating any of the conditions of this "consent to establish" and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time

15. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per acre along the boundary of the industrial premises.

16. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.
17. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.
18. Nothing in this NOC shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.
19. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except,
- (i) Where unavoidable to prevent loss of life or some property damage or
 - (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
20. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.
21. The industry shall comply with the conditions imposed if any by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06.
22. The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.
23. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
24. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable
25. The industry shall provide proper and adequate air pollution control arrangements for control emission from its coal/fuel handling area, if applicable.
26. The Industry shall comply with the code of practice as notified by the Government / Board for the type of Industries where the siting guidelines / code of practice have been notified
27. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner so as to prevent any pollutants from such materials from entering into natural water
28. The industry shall submit a detailed plan showing therein, the distribution system for conveying wastewaters for application on land for irrigation along with the crop pattern to be adopted throughout the year
29. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.
30. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the NOC and shall not carry out any expansion without the prior permission/NOC of the Board.
31. All amendments/revisions made by the Board in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.
32. The industry shall not cause any nuisance/traffic hazard in vicinity of the area.
33. The industry shall maintain the following record to the satisfaction of the Board :-
- (i) Log books for running of air pollution control devices or pumps/motors used for it.
 - (ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air.

(iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.

34. The industry shall ensure that there will not be significant visible dust emissions beyond the property line.

35. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, if applicable.

36. The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry

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Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

B. SPECIAL CONDITIONS

1. This Consent to Establish (NOC) is valid for establishment of unit for manufacturing of Steel Ingots / Billets with CCM (a) 555.42 MTD OR TMT, Wire Rod, Angle, Channel, Strips, Rounds, Flats, Bar, Structures and other rerolled product (Rolling Mill) (a) 550 MTD by using MS Scrap (a) 602.95 MTD and Ferro Alloys (a) 12.31 MTD as raw material by installation & operation of 2 no. Induction furnaces (2 x 22 TPH), one LRF, one CCM with automatic Re-Rolling mill, only.
2. The industry shall comply with the terms & conditions imposed in the Environment Clearance granted to the industry by the SEIAA, Punjab vide no. SEIAA/MS/2023/505 Dated 23/03/2023, under the EIA notification dated 14/09/2006, in true letter & spirit.
3. The industry shall not install any additional furnace/ machinery than permitted in the Environment Clearance granted to the industry by the SEIAA, Punjab vide no. SEIAA/MS/2023/505 Dated 23/03/2023.
4. The industry shall obtain permission from the PWRDA for abstraction of ground water and comply with the guidelines issued by the PWRDA, from time to time.
5. The industry shall submit the building plan under the Factories Rule, 1952 from the competent authority or the authorized person of the Department of Labour; before applying for Consent to Operate under the Water Act, 1974 and the Air Act, 1981.
6. The industry shall provide stack monitoring arrangements as per emissions regulations part 3 (1985 series) as per CPCB manual.
7. The industry shall install night vision high-definition CCTV cameras covering the emissions generating from crucible. Also, the industry shall store 3 months recording of the same every time and made available when required to the officers of the Board.
8. The industry shall also connect the CCTV cameras with the server of the Punjab Pollution Control Board after installation of the same.
9. The industry shall install the online continuous emission monitoring system with its stack and shall connect the same with server of the Board.
10. The industry shall install rotary valve along-with conveyor system below bag filters to avoid manual handling of APCD dust.
11. The industry shall be liable to obtain revision/ amendment in Environment Clearance as required under EIA notification dated 14/9/2006, in case of further increase in the production capacity of products for which EC had been obtained or any additional product/ process which is covered under the ambit of EIA notification dated 14/9/2006.
12. The industry shall develop the green area as per condition of EC granted to it in consonance with installation of main project.
13. The industry shall use only clean scrap as raw material and ensure that the scrap contaminated with hazardous or other waste like chemical drums, oil filters, shockers etc. shall not be used as raw material.
14. The industry shall not discharge any effluent (treated or untreated) into choe / drain /river or in inland surface water at any time or any other unauthorized place by any unauthorized means.
15. The industry shall install primary as well as secondary fume extraction system of appropriate design for control of emissions generated from the furnace before applying for consent to operate of the Board.
16. The industry shall submit completion certificate of APCDs installed with both IFs of capacity 22 TPH from the PSCST, Chandigarh; before applying for Consent to Operate under the Air Act, 1981.
17. The project proponent shall reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
18. The project proponent shall strictly comply with the zoning guidelines/ regulations of Housing Urban Development Department.
19. The industry shall re-utilize its cooling tower blow down and water softener reject for sprinkling

purposes and other non-core activities, only.

20. The industry shall obtain necessary clearance for abstraction of Ground Water from the Punjab Water Regulation and Development Authority (PWRDA) and submit compliance.

21. The industry shall comply with the guidelines/SOPs provided by PSCST, Chandigarh in the effective operation of APCD.

22. The industry shall execute annual maintenance contract (AMC) for operation and maintenance of APCD with a reputed agency and keep qualified person to operate the APCD & SIP at all times and submit report in this regard to the Board before applying for consent to operate of the Board.

23. The industry shall promote use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic, through their Corporate Environment Responsibility (CER) activities.

24. The industry shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles, water pouches, water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocol or any other non-biodegradable material in the premises.

25. The industry has been approved by the Board from pollution angle and the industry shall obtain the statutory clearances/ permissions from all other concerned departments.

26. The industry shall ensure that the activities of unit does not create any nuisance in the surrounding areas and no public complaints are received.

27. This Consent is being issued to the industry based upon the documents/ information/ undertakings submitted by it along with the online application form. The Board would be at liberty to take penal action against the industry and its responsible/ concerned person(s) in case information/document is detected as incorrect/false/misleading at any point of time.

28. The Punjab Pollution Control Board shall not be responsible for any financial liability and/ or any other liability of the industry, due to grant of this Consent to Operate.

29. The Punjab Pollution Control Board shall have the liberty to revoke this consent & take penal action against the industry and its responsible/ concerned person(s), in case, at any point of time, the industrial unit/ project fails to comply with the provisions of Environmental Acts/ Rules and/or any other Environmental laws applicable to the industrial unit project and Rules, Circulars & Directions issued by any competent Authority, from time to time.


Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)