



Shree Ambey Ispat Pvt. Ltd.

CIN: U27100WB2009PTC135162

Six Monthly Compliance Report (APR 22 to SEP 22)	
Environmental Clearance	F. No. J-11011/378/2009-IA II (I) dated June 21, 2010

Contents

1. Plant Details
2. Six Monthly Compliance Report





Shree Ambey Ispat Pvt. Ltd.

CIN: U27100WB2009PTC135162

PLANT DETAILS	
Project	Ferro Alloy Plant
Project Location	Mouza : Basudevpur (North) PO: Hat Asuria, PS: Barjora Dist: Bankura, West Bengal
Project Proponent	Shree Ambey Ispat Pvt Ltd 4, B.B.D. Bag (East) 5 th Floor, Room No: 90, Stephen House, Kolkata – 700 001, West Bengal
Constitution	Private Limited Company
Year of Incorporation	2009
Main Plant	1 X 9 MVA Submerged Arc Furnace
Installed Capacity	Ferro Manganese : 22,600 TPA Silico Manganese : 17,400 TPA Ferro Silicon : 7,600 TPA
Land	Total Land Area : 15 acres
Proposed Greenbelt	4.9 acres
Water Quantity	20 KLD; Source: Surface Water
Pollution Control Measures	Bag Filter
Solid Waste	Fines collected at Cyclone cum Bag Filter are re-used in the process. Slag produced in Si-Mn production is used in land / road development.
Power	8 MVA Source : Damodar Valley Corporation D.G.Set : 1 No – Standby during Power Failure for lighting load
Year of Commissioning of Plant	24 th February, 2014





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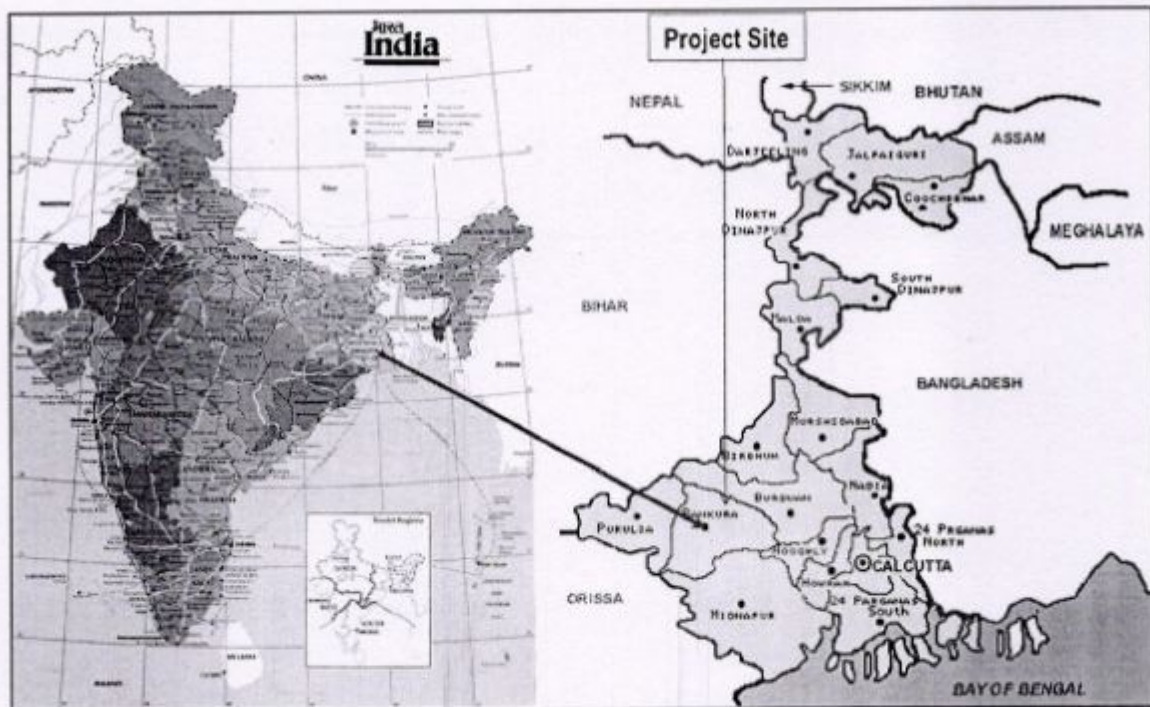


Fig - 1 : General Location of Plant





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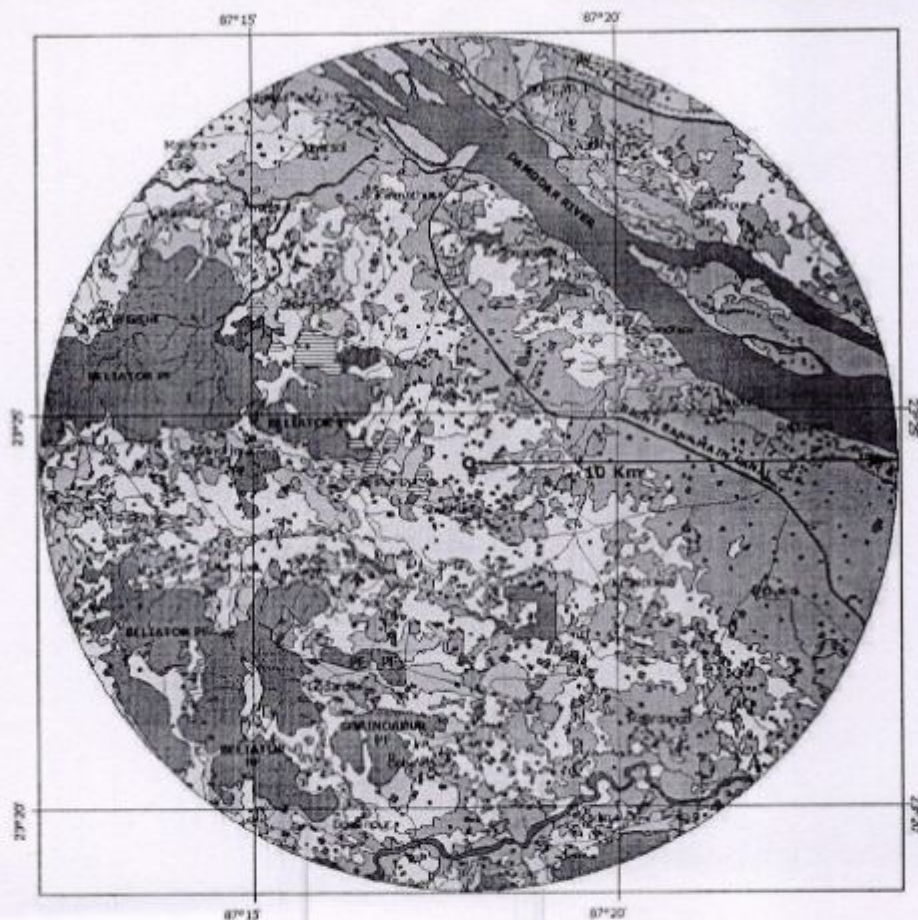


Fig – 2 : Topographic Map

Site Location	Mouza : Basudevpur (North) , P. S. : Barjora, District : Bankura, West Bengal
Latitude	23° 24' 26.36" N
Longitude	87° 17' 49.99" E
Height above msl	78 m
Nearest Major Town	Durgapur
Nearest State Highway	Durgapur – Bankura State Highway
National Highway	NH – 2
Nearest Major River	River Damodar
Nearest Railway Station	Durgapur
Nearest Airport	Andal / Kolkata
There is no National Park, Wildlife Sanctuary, Reserve Forest within 10 km radius of the Project Site	





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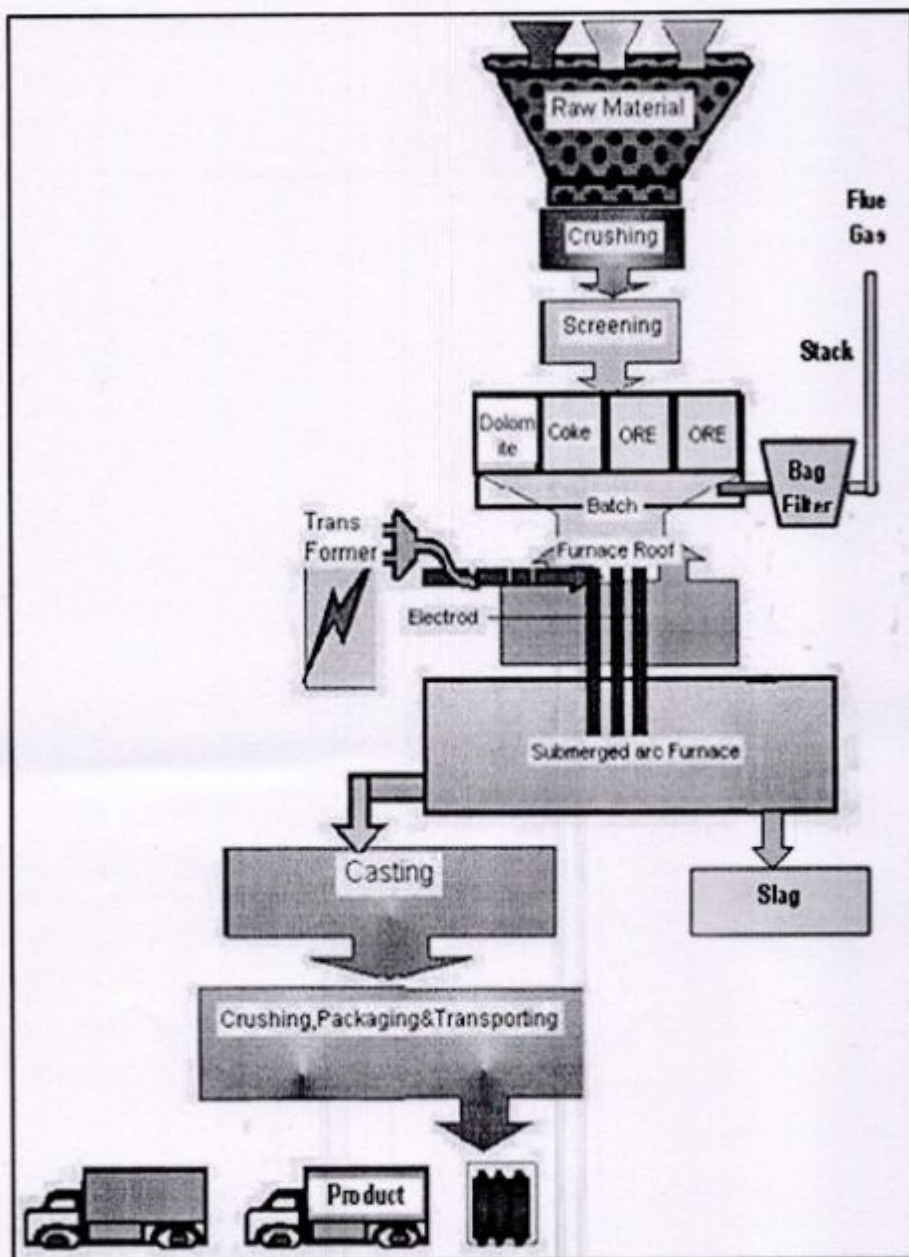


Fig – 3 : Process Flow Diagram of Ferro Alloys Plant





Plant is based on Zero Liquid Effluent Discharge

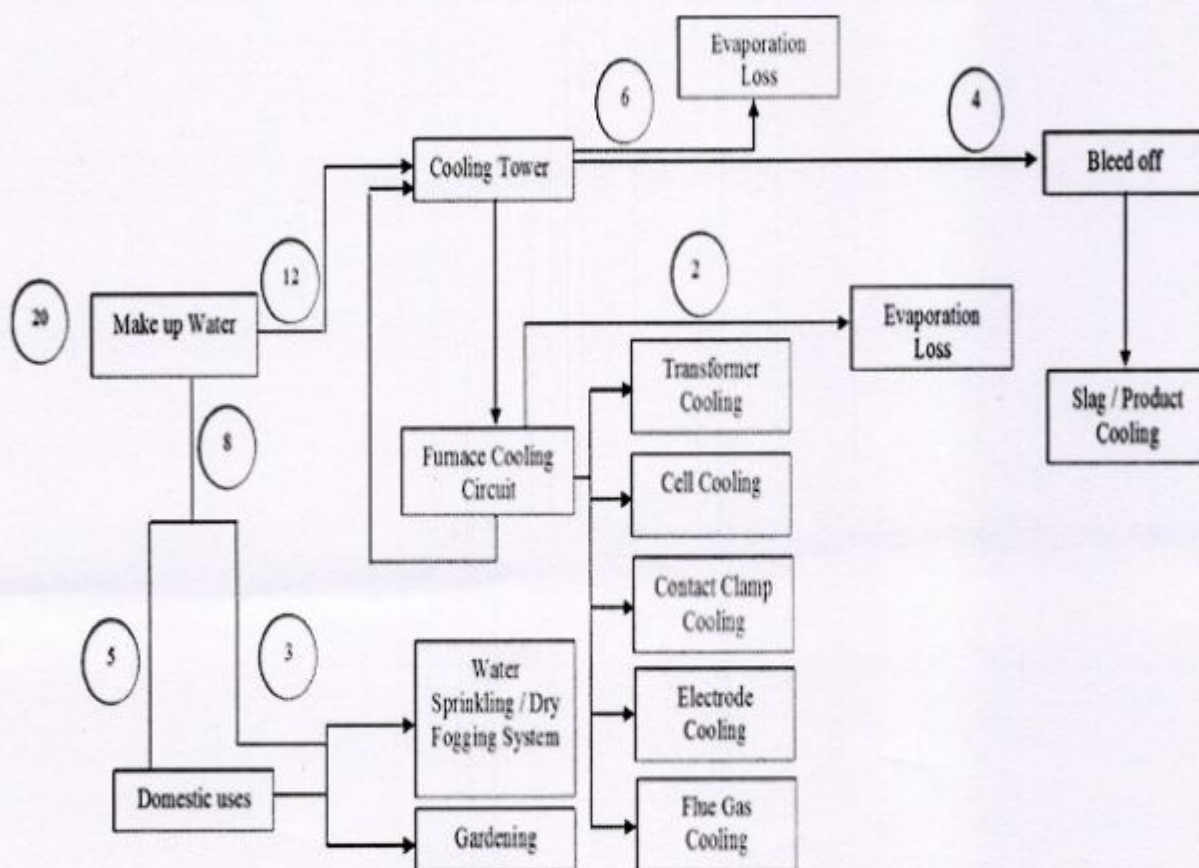


Fig - 4 : Water Balance Diagram





SIX MONTHLY COMPLIANCE REPORT

Sl.	Conditions	Remarks
A : SPECIFIC CONDITIONS		
1.	Continuous monitoring facilities for all the stacks and sufficient air pollution equipment viz. Fume extraction system with bag filters, I. D. Fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 50 mg/Nm ³ . At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Air pollution control equipment viz. fume extraction system with bag filters, induced draft (ID) and stack of adequate height to Submerged Arc Furnace has been provided to control emissions below 50 mg/Nm ³ .
2.	Ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the WBPCB. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. The instruments used for ambient air quality monitoring shall be calibrated time to time.	Ambient air quality has been monitored at three (3) locations. The result is attached. All the data are within permissible limits. Result of noise monitoring data is attached as Annexure.
3.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 November, 2009 shall be followed.	Noted, ambient air quality has been monitored and is within permissible norms of NAAQS.
4.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emission) or critical sectoral parameters, Indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company In the public domain.	All the rules and regulations as per environmental acts and rules including statutory conditions like monitoring data, compliance report will be complied with. Result of Stack monitoring data is attached.





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Sl.	Conditions	Remarks
5.	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits Issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.	The effective utilization with design criteria has been considered for emission control measures to comply with source emission norms and to have minimum fugitive emission in the work-zone. The effective emission control equipment has been provided to reduce fugitive emission during tapping operation. Result of fugitive emission monitoring data is attached as Annexure.
6.	In-plant control measures for checking fugitive emission from all the vulnerable sources shall be provided. Highly efficient bag filters shall be provided at all material transfer points. Dust suppression system like water spraying shall be provided at unloading and raw material handling areas, storage yards, to control fugitive dust emissions to meet the WBPCB norms.	The exit point of tapping operation is enclosed and a suction hood is attached and connected to the main bag filter system with heat exchanger, I. D. fan to control fugitive emission during tapping operation. Water sprinkler is used to control fugitive emission in raw material handling section, material transfer point, loading – unloading area etc.
7.	No charcoal shall be used as fuel. Pet coke shall be used as fuel instead of charcoal from unknown sources.	Charcoal and Coke is not being used as Fuel
8.	Prior permission for the drawl of 20 m ³ /day water from competent authority should be obtained. Total water requirement shall not exceed 20m ³ /d. Entire process water shall be kept in closed circuit to reduce water consumption. The wastewater from all the sources shall be collected and treated and treated wastewater shall be recycled/ reused in the process and/or used for dust suppression and green belt development. No process water shall be discharged outside the premises and zero discharge shall be strictly followed.	The plant is designed on the basis of zero effluent discharge and no effluent is discharged outside the plant boundary. Closed circuit cooling system has been adopted to maximize recycle and reuse of water which is mainly for circuit cooling purposes and to reduce the quantity of make-up water consumption. Bleed off from cooling tower is used for slag cooling and domestic wastewater after septic tank is being utilized for green belt development. Water balance diagram is shown in Fig. - 4.





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Sl.	Conditions	Remarks
9.	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Rain Water Harvesting system is installed to maximize the use of rain water in the plant. Current make up water quantity is approx 10 - 11 KLD
10.	Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, WBPCB and CPCB.	The plant is based on the basis of zero effluent discharge and no effluent is discharged outside the plant boundary. Closed circuit cooling system has been already adopted to maximize recycle and reuse of water which is mainly for circuit cooling purposes and to reduce the quantity of make-up water consumption. Bleed off from cooling tower is used for slag cooling and domestic wastewater after septic tank is being utilized for green belt development.
11.	Slag produced In Ferro Manganese (Fe-Mn) production shall be used in manufacture of Silico Manganese (Si-Mn).	Noted.
12.	All the ferro alloy slag shall be used for land filling inside the plant or used as building material only after passing through Toxic Chemical Leachability Potential (TCLP) test. Otherwise, hazardous substances should be recovered from the slag and output waste and be disposed In secured landfill as per CPCB guidelines.	The solid waste i.e. slag generated from Si-Mn production is utilized in road / area / land development in and around the plant premises. As per MOEF Notification S.O. : 2265 (E) dated 24 th September 2008, all high volume low effect wastes such as slags from pyrometallurgical processes are non-hazardous.
13.	No Ferro chrome shall be manufactured without prior approval of the Ministry.	Noted, no Fe-Cr will be produced.
14.	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhubaneswar, WBPCB and CPCB.	The solid waste i.e. generated from Si-Mn production is being utilized in road / area / land development in and around the plant premises. As per MOEF Notification S.O. : 2265 (E) dated 24 th September 2008, all high volume low effect wastes such as



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Sl.	Conditions	Remarks
		slags from pyrometallurgical processes are non-hazardous.
15.	As proposed, green belt shall be developed in 4.9 acres out of total 15 acres land available in and around the plant premises to mitigate the effects of fugitive emission all around the plant as per the CPCB guidelines in consultation with DFO.	Green belt is being developed in the area of about 4.9 acres in the plant.
16.	Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, WBPCB and CPCB within 3 months of Issue of environment clearance letter.	Risk and hazard identification along with mitigation measures are in place.
17.	Recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro Alloy Units shall be strictly implemented.	Relevant norms and measures w.r.t. CREP guidelines for Ferro Alloy Plant are complied.
18.	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 30th November, 2009 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.	All the commitments during the Public Hearing have been considered in environmental management plan and corporate social responsibility.
19.	At least 5 % of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.	Item-wise fund allocation has been considered for successful implementation of the corporate social responsibility. Different activities under CSR head are going on in time bound manner as per activities and time line mentioned in the Environmental Clearance.
20.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile tenets, 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.	During construction phase of the plant, all the necessary facilities were provided to the labours which were mainly from the nearby area only.





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Sl.	Conditions	Remarks
B : GENERAL CONDITIONS		
i.	The project authority shall adhere to the stipulations made by West Bengal Pollution Control Board (WBPCB) and State Government.	All the conditions mentioned in the Consent to Establish and Consent to Operate issued by West Bengal Pollution Control Board are being complied with.
ii.	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Prior approval will be obtained from MOEFCC before any expansion or modification.
iii.	The gaseous emissions from various process units shall confirm to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The WBPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	The plant is operating 1 X 9 MVA Submerged Arc Furnace and a bag filter system had been provided to comply with stack emission norms.
iv.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Acoustic enclosures have been provided to control work-zone noise levels and through adoption of adequate protective measures, i.e., use of personal protective equipment (ear plugs, ear muffs etc.). Result of noise monitoring data is attached as Annexure.
v.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	All the regulations as per Factory Act w.r.t. personal protective equipment, sanitation facilities, occupational health surveillance of the workers are being done and records are maintained as compliance.
vi.	All the environment management measures given in the EIA/EMP shall be implemented and	All the pollution control measures towards environment management measures





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Sl.	Conditions	Remarks
	complied with.	mentioned in the EIA/EMP Report are being complied with.
vii.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Rain Water Harvesting system is installed to maximize the use of rain water in the plant. Current make up water quantity is approx 10 – 11 KLD
viii.	Proper housekeeping and adequate occupational health programmes shall be taken up as per the Factory Act	A team of personnel have been earmarked to keep the plant premises clean and safe. Occupational health monitoring programme are regularly monitored.
ix.	The company shall undertake eco-development measures including community welfare measures in the project area.	Greenbelt development and rainwater harvesting is being completed including Corporate Social Responsibility as a part of community welfare in association with local authorities.
x.	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	All environmental monitoring activities for effective implementation of environmental management plan is being carried out under the direct supervision of Plant Head. A Separate Environment Cell had been constituted to look after monitoring of various pollution control measures.
xi.	As proposed, Rs. 150.00 Lakhs shall be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	The funds earmarked towards the capital cost as well as recurring cost for pollution control measures are being used to implement the conditions stipulated by the Statutory Authorities.
xii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update	The environmental report is submitted to Regional office of MOEF, the respective Zonal Office of CPCB and the WBPCB.





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Sl.	Conditions	Remarks
	the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the WBPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
xiii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB and the WSPCB. The Regional Office of this Ministry at Bhubaneswar /CPCB/WBPCB shall monitor the stipulated conditions.	All the rules and regulations as per environmental acts and rules including statutory conditions like monitoring data, compliance report are complied.
xiv.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	Noted.



Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

AMBIENT AIR QUALITY MONITORING RESULTS (Period: April, 2022 to September, 2022)

ANNEXURE-3

Name of Industry	M/s. Shree Ambey Ispat Pvt. Ltd.
Address	Mouza: Basudevpur (N), PO - Hat Asuria, PS - Barjora, Dist: Bankura

TABLE: - I				
Onsite Ambient Air Quality Monitoring Results				
	Location	Near Project Site		
(Period: April, 2022 To September, 2022)				
DATE	PM ₁₀	PM _{2.5}	SO ₂	NO ₂
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)
12.04.2022	74	32	11	24
16.06.2022	91	38	8	22
10.08.2022	68	31	7	19

TABLE: - 2				
Onsite Ambient Air Quality Monitoring Results				
	Location	Shyampur		
(Period: April, 2022 To September, 2022)				
DATE	PM ₁₀	PM _{2.5}	SO ₂	NO ₂
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)
12.04.2022	71	29	12	28
16.06.2022	88	46	9	20
10.08.2022	74	31	8	19

For ENVIROTECH EAST (P) LTD.




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AMBIENT AIR QUALITY MONITORING RESULTS (Period: April, 2022 to September, 2022)

ANNEXURE-3

Name of Industry	M/s. Shree Ambey Ispat Pvt. Ltd.
Address	Mouza: Basudevpur (N), PO - Hat Asuria, PS - Barjora, Dist: Bankura

TABLE: - 3				
Onsite Ambient Air Quality Monitoring Results				
	Location	Harinagara		
(Period: April, 2022 To September, 2022)				
DATE	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
12.04.2022	81	39	10	34
16.06.2022	89	41	14	28
10.08.2022	74	31	8	20

TABLE: - 4				
Onsite Ambient Air Quality Monitoring Results				
	Location	Gopikande		
(Period: April, 2022 To September, 2022)				
DATE	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
12.04.2022	74	34	9	26
16.06.2022	82	46	10	24
10.08.2022	73	33	6	19

For ENVIROTECH EAST (P) LTD.




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AMBIENT AIR QUALITY MONITORING RESULTS (Period: April, 2022 to September, 2022)

ANNEXURE-3

Name of Industry	M/s. Shree Ambey Ispat Pvt. Ltd.
Address	Mouza: Basudevpur (N), PO - Hat Asuria, PS - Barjora, Dist: Bankura

		Statistical Analysis of Pollutants (Period: April, 2022 To September, 2022)			
Pollutants	Locations	MES	Min	Max	A.M.
PM ₁₀ (µg/m ³)	Near Main Gate	3	68	91	79.5
	Sonergram	3	71	88	79.5
	Hatashuria	3	74	89	81.5
	Bishnapur	3	73	82	77.5
	Overall	12	71.5	87.5	79.5
PM _{2.5} (µg/m ³)	Near Main Gate	3	31	38	34.5
	Sonergram	3	29	46	37.5
	Hatashuria	3	31	39	35.0
	Bishnapur	3	33	46	39.5
	Overall	12	30	45.6	37.1
SO ₂ (µg/m ³)	Near Main Gate	3	7	11	9.0
	Sonergram	3	8	12	10.0
	Hatashuria	3	8	14	11.0
	Bishnapur	3	6	10	11.0
	Overall	12	5	13	8.4
NO ₂ (µg/m ³)	Near Main Gate	3	19	24	21.5
	Sonergram	3	19	28	23.5
	Hatashuria	3	20	34	27.0
	Bishnapur	3	19	26	22.5
	Overall	12	14	30	20.3

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		Statistical Analysis of Pollutants (Period: April,2022 To September,2022)			
Pollutants	Locations	MES	Min	Max	A.M.
PM10 ($\mu\text{g}/\text{m}^3$)	Near Raw Materials Yard	3	108	133	124.0
	Near Slag Handling Yard	3	105	152	130.3
	Near Product Loading Yard	3	98	142	119.7
	Overall	9	90	143	117.7
PM2.5 ($\mu\text{g}/\text{m}^3$)	Near Raw Materials Yard	3	44	64	56.3
	Near Slag Handling Yard	3	49	72	57.7
	Near Product Loading Yard	3	37	61	48.0
	Overall	9	39	67	53.7
SO2 ($\mu\text{g}/\text{m}^3$)	Near Raw Materials Yard	3	10	16	13.0
	Near Slag Handling Yard	3	10	19	15.0
	Near Product Loading Yard	3	8	12	10.3
	Overall	9	7	22	13.4
NO2 ($\mu\text{g}/\text{m}^3$)	Near Raw Materials Yard	3	26	32	29.0
	Near Slag Handling Yard	3	29	34	31.0
	Near Product Loading Yard	3	24	34	30.0
	Overall	9	20	37	29.1

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CIN NO : U74210WB1989PTC047403

No. 2022-23/EEPL/MON/3111

26.09.2022

MONITORING REPORT

Name of Industry	M/s. Shree Ambey Ispat Pvt. Ltd.
Address :	Mouza - Basudevapur (N), PO - Hat Asuria, PS: Barjora, Dist Bankura
Date of Sampling	20.09.2022
Location	Raw Water from Boring

BORE WELL WATER ANALYSIS REPORT

Sl. No.	Parameter	Unit	Result	Acceptable Limit as per IS:10500
1.	Colour	Hazen	Colourless	5
2.	Odour		Unobjectionable	Agreeable
3.	Taste		Agreeable	Agreeable
4.	Turbidity	NTU	BDL	1
5.	pH	mg/L	7.43	6.5-8.5
6.	Total Dissolved Solids	mg/L	451	500
7.	Total Hardness (as CaCO ₃)	mg/L	192	200
8.	Calcium (as Ca)	mg/L	51	75
9.	Magnesium (as Mg)	mg/L	22	30
10.	Chloride (as Cl)	mg/L	127	250
11.	Residual Free Chlorine	mg/L	BDL	0.2
12.	Fluoride (as F)	mg/L	0.16	1
13.	Copper (as Cu)	mg/L	BDL	0.05
14.	Manganese (as Mn)	mg/L	BDL	0.1
15.	Sulphate (as SO ₄)	mg/L	24	200
16.	Nitrate (as NO ₃)	mg/L	4.2	45
17.	Anionic Detergents	mg/L	BDL	0.2
18.	Phenol Compounds (as C ₆ H ₅ OH)	mg/L	BDL	0.001
19.	Mercury (as Hg)	mg/L	BDL	0.001
20.	Cadmium (as Cd)	mg/L	BDL	0.003
21.	Selenium (as Se)	mg/L	BDL	0.01
22.	Arsenic (as As)	mg/L	BDL	0.01
23.	Cyanide (as CN)	mg/L	BDL	0.05
24.	Lead (as Pb)	mg/L	BDL	0.01
25.	Total Chromium (Cr)	mg/L	BDL	0.05
26.	Aluminium (as Al)	mg/L	BDL	0.03
27.	Zinc (as Zn)	mg/L	BDL	5
28.	Alkalinity (as CaCO ₃)	mg/L	318	200
29.	Iron (as Fe)	mg/L	0.49	1
30.	Total Coliform	MPN/100 ml	N.D.	***
31.	Fecal Coliform	MPN/100 ml	N.D.	***
32.	E. Coli	MPN/100 ml	N.D.	***

BDL: Below Detectable Limit



For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

**Envirotech East Pvt. Limited**

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

- Laboratory Recognised by MoEF&CC, Govt. of India
- Accredited EIA Consultant by QCI-NABET

100, Kalikapur, Madurdaha, Kolkata – 700 107, West Bengal, India

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CIN NO : U74210WB1989PTC047403

No. 2022-23/EEPL/MON/3112

26.09.2022

COOLING DISCHARGE WATER ANALYSIS REPORT

Name of the client	M/s. Shree Ambey Ispat Pvt. Ltd.
Address	Mouza - Basudevpur (N), PO - Hat Asuria, PS: Barjora, Dist Bankura
Location of Sample	Cooling Tower Discharge Water
Sampling Date	20.09.2022
Sample Collected by	Company Representative (EEPL)

RESULTS OF SAMPLE

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.8	5.5 - 9.0
2.	Total Suspended Solids	mg/l	51	100
3.	Oil & Grease	mg/l	<2	10
4.	COD	mg/l	18	250
5.	BOD (3 days at 27°C)	mg/l	<5	30

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CIN NO : U74210WB1989PTC047403

ANNEXURE-I

No. 2022/EEPL/MON/MSL/292A

16.05.2022

ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Shree Ambey Ispat Pvt. Ltd.
Address	Mouza: Basudevpur (N), PO - Hat Asuria, PS - Barjora, Dist: Bankura
Date of Sampling	10.05.2022
Time of Sampling	12:15 hrs;

A. General Information about stack			
1	Stack connected to	SEAF (9MVA)	
2	Emission due to	Reduction of Manganese Ore	
3	Material of Construction of Stack	M.S	
4	Shape of Stack	Circular	
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent	
6	Capacity	9 MVA	
B. Physical Characteristics of Stack			
1	Height of the stack		
	(a) from Ground Level (m)	38.0	
	(b) from Roof Level (m)	-	
2	Diameter of the stack		
	(a) at bottom (m)	-	
	(b) at top (m)	-	
3	Diameter of the stack at sampling point (m)	1.8	
4	Height of the sampling point from GL (m)	29.0	
C. Analysis/Characteristics of Stack			
1	Fuel used	Electricity	
2	Fuel consumption	-	
D	Field Study of Stack(s)	Reference Method	Concentration
1	Temperature of emission (°C)	IS 11255 (Part 1)	31
2	Barometric Pressure (mmHg)	-	748
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	8.32
4	Quantity of gas flow (Nm ³ /hr)	IS 11255 (Part 3)	72414
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO ₂ (% V/V)	IS 13270	1.2
E. Laboratory Test Result(s)			
7	Concentration of SO ₂ (mg/Nm ³)	IS 11255 (Part 2)	-
8	Concentration of NO _x (mg/Nm ³)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm ³)	IS 11255 (Part 1)	32
10	Concentration of PM (mg/Nm ³) at 12% CO ₂		-
E. Pollution Control Device			
Details of pollution control device attached with the stack		Cyclone, Heat Exchngr & Bag Filter	

Note :-

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- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

For ENVIROTECH EAST (P) LTD.




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CIN NO : U74210WB1989PTC047403

ANNEXURE-I

No. 2022/EEPL/MON/MSL/816A

01.08.2022

ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Shree Ambey Ispat Pvt. Ltd.
Address	Mouza: Basudevpur (N), PO - Hat Asuria, PS - Barjora, Dist: Bankura
Date of Sampling	27.07.2022
Time of Sampling	11:55 hrs.

A.	General Information about stack		
1	Stack connected to	SEAF (9MVA)	
2	Emission due to	Reduction of Manganese Ore	
3	Material of Construction of Stack	M.S	
4	Shape of Stack	Circular	
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent	
6	Capacity	9 MVA	
B.	Physical Characteristics of Stack		
1	Height of the stack		
	(a) from Ground Level (m)	38.0	
	(b) from Roof Level (m)	-	
2	Diameter of the stack		
	(a) at bottom (m)	-	
	(b) at top (m)	-	
3	Diameter of the stack at sampling point (m)	1.8	
4	Height of the sampling point from GL (m)	29.0	
C.	Analysis/Characteristics of Stack		
1	Fuel used	Electricity	
2	Fuel consumption	-	
D	Field Study of Stack(s)	Reference Method	Concentration
1	Temperature of emission (°C)	IS 11255 (Part 1)	33
2	Barometric Pressure (mmHg)	-	750
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	8.74
4	Quantity of gas flow (Nm³/hr)	IS 11255 (Part 3)	75774
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO₂ (% V/V)	IS 13270	1.4
E	Laboratory Test Result(s)		
7	Concentration of SO₂ (mg/Nm³)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm³)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm³)	IS 11255 (Part 1)	33
10	Concentration of PM (mg/Nm³) at 12% CO₂		-
E	Pollution Control Device		
	Details of pollution control device attached with the stack	Cyclone, Heat Exchanger & Bag Filter	

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For ENVIROTECH EAST (P) LTD.




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CIN NO : U74210WB1989PTC047403

ANNEXURE-I

No. 2022/EEPL/MON/MSL/1215A

26.09.2022

ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Shree Ambey Ispat Pvt. Ltd.
Address	Mouza: Basudevapur (N), PO - Hat Asuria, PS - Barjora, Dist: Bankura
Date of Sampling	20.09.2022
Time of Sampling	11:40 hrs;

A.	General Information about stack		
1	Stack connected to	SEAF (9MVA)	
2	Emission due to	Reduction of Manganese Ore	
3	Material of Construction of Stack	M.S	
4	Shape of Stack	Circular	
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent	
6	Capacity	9 MVA	
B.	Physical Characteristics of Stack		
1	Height of the stack		
	(a) from Ground Level (m)	38.0	
	(b) from Roof Level (m)	-	
2	Diameter of the stack		
	(a) at bottom (m)	-	
	(b) at top (m)	-	
3	Diameter of the stack at sampling point (m)	1.8	
4	Height of the sampling point from GL (m)	29.0	
C.	Analysis/Characteristics of Stack		
1	Fuel used	Electricity	
2	Fuel consumption	-	
D.	Field Study of Stack(s)	Reference Method	Concentration
1	Temperature of emission (°C)	IS 11255 (Part 1)	35
2	Barometric Pressure (mmHg)	-	752
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	7.78
4	Quantity of gas flow (Nm ³ /hr)	IS 11255 (Part 3)	67192
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO ₂ (% V/V)	IS 13270	1.4
E.	Laboratory Test Result(s)		
7	Concentration of SO ₂ (mg/Nm ³)	IS 11255 (Part 2)	-
8	Concentration of NO _x (mg/Nm ³)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm ³)	IS 11255 (Part 1)	31
10	Concentration of PM (mg/Nm ³) at 12% CO ₂		-
E.	Pollution Control Device		
	Details of pollution control device attached with the stack	Cyclone, Heat Exchanger & Bag Filter	

Note: - Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation
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For ENVIROTECH EAST (P) LTD.




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CIN NO : U74210WB1989PTC047403

No. 2022-23/EEPL/MON/3108

26.09.2022

MONITORING REPORT

Name of Industry	M/s. Shree Ambey Ispat Pvt. Ltd.
Address	Mouza - Basudevpur (N), PO - Hat Asuria, PS: Barjora, Dist Bankura
Average Temperature (°C)	39

FUGITIVE EMISSION MONITORING REPORT

Sl. No.	Location	Date of Monitoring	Parameter	Unit	Result
1.	Near Raw Materials Yard	20.09.2022	SPM	µg/m ³	719
			RPM	µg/m ³	342
			SO ₂	µg/m ³	12
			NO ₂	µg/m ³	39

For ENVIROTECH EAST (P) LTD.



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CIN NO : U74210WB1989PTC047403

No. 2022-23/EEPL/MON/3109

26.09.2022

MONITORING REPORT

Name of Industry	M/s. Shree Ambey Ispat Pvt. Ltd.
Address	Mouza - Basudevpur (N), PO - Hat Asuria, PS: Barjora, Dist Bankura
Average Temperature (°C)	39

FUGITIVE EMISSION MONITORING REPORT

Sl. No.	Location	Date of Monitoring	Parameter	Unit	Result
2.	Near Slag Handling Yard	20.09.2022	SPM	µg/m ³	942
			RPM	µg/m ³	451
			SO ₂	µg/m ³	10
			NO ₂	µg/m ³	42

For ENVIROTECH EAST (P) LTD.


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CIN NO : U74210WB1989PTC047403

No. 2022-23/EEPL/MON/3110

26.09.2022

MONITORING REPORT

Name of Industry	M/s. Shree Ambey Ispat Pvt. Ltd.
Address	Mouza - Basudevpur (N), PO - Hat Asuria, PS: Barjora, Dist Bankura
Average Temperature (°C)	39

FUGITIVE EMISSION MONITORING REPORT

Sl. No.	Location	Date of Monitoring	Parameter	Unit	Result
3.	Near Product Loading Yard	20.09.2022	SPM	$\mu\text{g}/\text{m}^3$	637
			RPM	$\mu\text{g}/\text{m}^3$	281
			SO ₂	$\mu\text{g}/\text{m}^3$	9
			NO ₂	$\mu\text{g}/\text{m}^3$	32

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CIN NO : U74210WB1989PTC047403

No. 2022-23/EEPL/MON/3107

26.09.2022

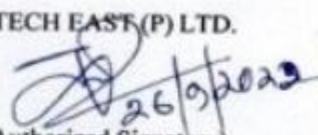
MONITORING REPORT

Name of Industry	M/s. Shree Ambey Ispat Pvt. Ltd.
Address :	Mouza - Basudevpur (N), PO - Hat Asuria, PS: Barjora, Dist Bankura
Date of Monitoring	20.09.2022

NOISE LEVEL MONITORING REPORT

Sl. No.	Location	Equivalent Noise Level Leq dB (A)	
		Day Time (06:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)
1.	Near Project Site	62.7	51.4
2.	Shyampur Village	53.4	41.9
3.	Harinagara Village	51.9	41.6
4.	Gopikande Village	50.3	41.8

For ENVIROTECH EAST (P) LTD.


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