स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref : PC-9(2)
Date : 23.12.25

To
The Additional Principal Chief Conservator of Forests,
Ministry of Environment, Forests, & Climate Change (MoEFCC),
Regional Office- South Eastern Zone,
1st & 2nd Floor, HEPC Building,
N0.34, Cathedral Garden Road,
Nungambakkam,
Chennai-600034.
Ph: 044- 2822 2325.

Sir:

Sub: Expansion of SAIL, Salem Steel Plant, Tamil Nadu – Six monthly Compliance Report for Environmental Clearance conditions - reg

Ref: MOEF Ref.No: F-No. J-11011/367/2006-IA II (I), dated 16th April, 2008

1. This has reference to the Environmental clearance issued for the above project vide ref. No: F-No. J-11011/367/2006-IA II (I), dated 16th April, 2008.
2. Compliance report for the stipulations is enclosed vide Annexure 1.
3. We wish to inform you that the project was successfully commissioned in September 2010 after receipt of Consent to Operate from TNPCB. The analysis reports of Stack Emission, Ambient Air Quality & Fugitive emissions from Apr'25 to Sep'25 are enclosed along with statistical interpretation. (Annexure 2).
4. All the conditions stipulated in EC issued by MOEF & CC have been complied and Environment monitoring is carried out by SSP & Statutory authorities, as required.

Yours faithfully
For Steel Authority Of India Limited
Salem Steel Plant

23/12/25

DB Daniel
Chief General Manager I/c (Works)

Encl: As above

Copy to:
The Member Secretary
Tamil Nadu Pollution Control Board
100, Anna Salai, Guindy, Chennai 600 032.

सेल SAIL

Annexure-1

SIX MONTHLY COMPLIANCE REPORT (Apr'25 to Sep'25)

FOR

THE STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE

MoEF Ref.: F. No. J-11011/367/2006-IA II (I), Dt. 16.04.2008

Expansion of Salem Steel Plant at Salem, Tamil Nadu
by M/s Salem Steel Plant (a unit of M/s Steel Authority of India Ltd.)

Status: Unit is in operation.

The Project was given Environmental Clearance on 16.04.2008. Consent to Establish (CTE) was obtained from TNPCB on 22.04.2008 .The project was started on Apr'2008 and completed in September'2010. Subsequently, Consent to Operate (CTO) was obtained from TNPCB on 20.09.2010. Since then the units are under operation.

The status of compliance of the various conditions stipulated in the Environmental Clearance issued by MoEF on 16.04.2008 for the above project is given in the table below:

Sl. No.	MoEF points	SSP's Compliance / Action Plan
i)	Bag filters shall be provided to the furnaces to control the particulate emissions below 50 mg/Nm^3. Fume extraction system with gas cleaning facilities (bag house and canopy roof) shall be provided to Electric arc furnace (EAF), Ladle furnace (LF) and Argon Oxygen Decarburization (AOD).	Bag filters have been provided in the electric arc furnace to control the particulate emissions and emissions are controlled within 50mg/NM3. Common Fume extraction system for EAF & LF with gas cleaning facilities (bag house) & canopy for EAF have been commissioned for the equipment and working satisfactorily. Fume extraction system with Gas Cleaning Plant (Bag filter plant) equipment has been commissioned for AOD and working satisfactorily.
	Fume extraction system shall be provided to Hot Rolled Annealing and Pickling line, CRM and Mill.	Fume extraction system for the Hot Rolled Annealing and Pickling line, CRM and Mill have been provided and commissioned. The system is working satisfactorily.

23/12/25

Sl. No.	MoEF points	SSP's Compliance / Action Plan
	Dust extraction and cleaning system shall be provided to shot blasting machine, storage, transfer points and material handling areas.	Dust extraction and cleaning system for shot blasting machine with bag filter equipment have been commissioned and working satisfactorily.
	Slab casting machine shall be provided with steam exhaust system and mould fume exhaust system.	Steam exhaust system for Slab casting machine and mould fume exhaust system have been envisaged along with the main equipment and equipment have been commissioned and working satisfactorily.
	Data on Ambient Air Quality, stack emissions and fugitive emissions shall be regularly submitted to this Ministry including its Regional Office at Bangalore/TNPCB and CPCB once in six months.	Latest data pertaining to Ambient Air Quality, stack emissions and fugitive emissions (Apr'25 to Sep'25) along with statistical interpretation are given in Annexure -2.
ii)	Gaseous emissions including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored and reports submitted to TNPCB / CPCB once in six months and Ministry's Regional Office at Bangalore.	In the expansion project, gaseous emissions including secondary fugitive emissions are being controlled within the permissible limits. Latest data pertaining to gaseous emissions & fugitive emissions is enclosed vide Annexure- 2.
	Guide lines / code of practice issued by the CPCB shall be followed.	Applicable Guide lines / code of practice issued by the CPCB is being adhered to.
iii)	In-plant control measures like tarring of roads, green belt and good house keeping shall be done within the plant premises to control fugitive emissions from all the vulnerable sources like raw material handling and storage areas shall be installed.	These measures like tarring of roads, development & maintenance of the green belt and good housekeeping activities are being carried out on regular basis.

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23/12/25

Sl. No.	MoEF points	SSP's Compliance / Action Plan
	All the material transfer points, discharge points and raw material storage area shall be completely covered.	Necessary covering in the transfer points and storage area have been done to control fugitive emissions.
	Monitoring of fugitive emissions in the work zone environment shall be carried out regularly as per the CPCB guidelines and reports submitted to TNPCB / CPCB and Ministry's Regional Office at Bangalore.	Monitoring of fugitive emissions in the work zone environment is being carried and reports submitted to TNPCB and MoEF & CC regularly.
iv)	Total water requirement shall not exceed 3.5 MGD [1.5 MGD (6,819 KLD) for expansion project].	Total water requirement is contained within 3.5 MGD level. Based on present production, an average of less than 2.0 MGD water is being drawn.
	Direct cooling water from slab caster and Annealing and Pickling Line (APL) shall be treated in the effluent treatment plant (ETP) and recycled to the direct cooling circuit.	Direct cooling water from slab caster and AP Line is treated in a separate waste water treatment plant and the treated water is recycled to the direct cooling circuit.
	Total water from ARS after recovery of acid shall be neutralized.	Water from ARS after recovery of acid is being neutralized.
	The water from EAF, LF and AOD & CRM shall be routed through the cooling tower and pressure filter for recycling.	Indirect cooling water from EAF, LF, and AOD & CRM is being routed through the cooling tower and pressure filter for recycling.
	Total Acid Recovery System (ARS) shall be provided to APL.	Total Acid Recovery System (ARS) has been installed & commissioned. The system is under operation.
	All the treated process wastewater shall be recycled and reused in the process, dust suppression and green belt development.	All the treated process wastewater is being recycled and reused in the process, dust suppression and green belt development.
	No wastewater shall be discharged outside the plant premises and 'Zero' discharge shall be strictly adopted as proposed.	'Zero' discharge is being maintained.

Sl. No.	MoEF points	SSP's Compliance / Action Plan
v)	Prior 'permission' for the drawal of 3.5 MGD from River Cauvery shall be obtained from the concerned department.	GO for 3.5 MGD water drawal obtained from Public Works Department, Govt. of Tamil Nadu having validity upto 31.03.2024.Renewal application for period of five years is under process with PWD,Tamilnadu.
vi)	Metallic scrap, scales and mill cuttings shall be recycled and reused in the process. Iron oxide pellet should be recycled to Steel Melting Shop (SMS). The EAF, AOD and LF slag from SMS shall be disposed of in the slag dump yard within the plant premises. SMS slag shall be used for road making Dust from bag house of EAF & AOD gas cleaning system shall be stored in dust silo and disposed off in environment friendly manner. All the other solid waste shall be properly utilized or disposed off in environment friendly manner.	Metallic scrap and mill cuttings is being recycled and reused in the process and scales will be commercially disposed. The slag from SMS is being disposed in the slag dump yard within the plant premises. SMS slag being used for paving of road and also around shops to prevent grass growth . Dust from bag house being stored in dust silo and disposed off in environment friendly manner. Other solid waste (boiler ash, grinding swarf and shot blast dust) are being disposed off in environment friendly manner and sold commercially.
vii)	All the hazardous waste like pickling sludge and waste diatomaceous earth shall be disposed off in the secured landfill (SLF) designed as per the CPCB guidelines. Waste oil shall be sold to registered recyclers.	All the hazardous wastes are disposed off in the secured Landfill (SLF) designed as per the CPCB guidelines. Waste oil is being disposed only to registered recyclers.
viii)	Green belt shall be developed in 33 % area all around the plant boundary and wherever space is available as per CPCB guidelines in consultation with local DFO.	SSP acquired total area of 1544.77 hectares (Natural vegetation = 600 hectares, Buildings = 267.10 hectares, Saline / rocky area= 400 hectares Total = 1267.10 hectares). In the area of 277.67 hectares available for Green belt, different species like C Siamia, Silver oak, Pungan, Neem, Silk Cotton, Parambai etc planted for about 225.436 hectares. Hence, Green belt has been developed more than 81.18%.
ix)	All the recommendations mentioned in the Charter on the Corporate Responsibility for the Environmental Protection (CREP) for the Steel Plants shall be implemented.	CREP conditions are not applicable directly to SSP as the unit is not covered under Integrated Steel Plants.

B. GENERAL CONDITIONS:

Sl. No.	MoEF points	SSP's Compliance / Action Plan
i)	The project authorities must strictly adhere to the stipulations made by the Tamil Nadu Pollution Control Board (TNPCB) and the State Government.	This is being complied with.
ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Being ensured.
iii)	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The TNPCB 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.	The gaseous emissions from various process units confirm to the emission standards prescribed.
	On-line continuous monitoring system shall be installed in stacks to monitor SPM and interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	On-line continuous monitoring system (opacity monitor) has been installed in stacks of EAF, AOD, and Slab Caster & Slab Grinder to monitor SPM. Necessary interlocking facilities incorporated with the process equipment.
iv)	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO_2 and NO_x are anticipated in consultation with the TNPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bangalore / TNPCB and CPCB once in six months.	Presently 10 nos. of Ambient Air quality monitoring stations have been provided in consultation with the TNPCB. The latest data pertaining to ambient air quality and stack emissions (Apr'25 to Sep'25) along with statistical interpretation are given in **Annexure-2.**
v)	Industrial wastewater shall be properly collected and treated so as to confirm to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	Industrial waste water is being treated to confirm the standards prescribed by board and the treated water is recycled for process usage.

Sl. No.	MoEF points	SSP's Compliance / Action Plan
vi)	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 conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The ambient noise level confirms to the norms and is being maintained.
vii)	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	The Steel Melting Shop installed under the project expansion has been provided with Rain water harvesting system.
viii)	All the measures regarding occupational health surveillance of the workers shall be undertaken and regular medical examination of all the employees shall be ensured as per the Factories Act and records maintained.	All the measures regarding occupational health surveillance of the workers and all employees is undertaken and regular medical examination of all the employees being ensured as per the Factories Act and records maintained.
ix)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report.	The recommendations given in the EIA/EMP report for the environmental protection and safeguards are being complied with.
x)	The company must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.	Salem Steel Plant (SSP) is undertaking various socio-economic schemes under Corporate Social Responsibility (CSR) scheme in the surrounding villages like community development programs, educational programs, drinking water supply, roads & infrastructure development, tailoring and health care etc. Also free medical camp organized by SSP for the surrounding villages to assist health care facilities on regular basis In addition to the above activities in surrounding villages, SSP has adopted a village to develop as a "Model Village".

Sl. No.	MoEF points	SSP's Compliance / Action Plan
xi)	As mentioned in EIA/EMP, Rs.126.00 Crores earmarked towards environmental pollution control measures shall be judiciously used to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Ministry and its Regional Office at Bangalore. The funds so provided shall not be diverted for any other purposes	The funds of Rs 126 Crores earmarked for gas cleaning plant, fume exhaust systems, DENOX system for pickling section in AP Line, total acid recovery system etc. were utilized for installation of the above systems. The systems are working satisfactorily and pollutants parameters are kept within the norms.
xii)	The Regional Office of this Ministry at Bangalore / CPCB / TNPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Being complied with.
xiii)	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the TNPCB and may also be seen at Website of the Ministry of Environment and Forests at http:/envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Bangalore.	The public was informed through news paper advertisements on 21.04.2008 in two local newspapers which are widely circulated in the region and the advertisement copy has been sent to MoEF vide letter Ref. No: P-500/GEN/14 dated 24.04.2008.
xiv)	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	The final approval of the project was obtained in January 2008 from the competent authority and the status of project developments intimated.

STACK EMISSION REPORT

STL	: B
Annexure	: I
Month	:APRIL
Year	: 2025

1. Name of the Plant	SALEM STEEL PLANT
2.Name of the shop	Steel Melting Shop /Cold Rolling Mill/ Hot Rolling Mill
3. Process	Steel Melting ,Hot rolling, Annealing & Pickling , Cold Rolling
4. Control equipment installed	Scrubbers, Cyclones, Bag Filters
5. Sampling by	External Agencies

Stack No & Details	Exit Vel (m/s, Avg)	Temp.K (Avg)	Flow Rate (NM3/Hr Avg)	No.Of Obs	Parameters Avg. (mg/nm3) SPM	SO2	NOx	Remarks
Coiler No 1 HRM Stack	11.1	467	7970	1	25.3	3.0	21.0	
APL-2Brightening	9.5	307	7249	1	13.1	3.0	2.0	
HRM Reheating Furnace	10.8	460	37433	1	37.6	3.0	52.0	
APL-1Brightening	11.2	315	8124	1	13.9	3.0	2.0	
APL-2 Shot Blasting	9.6	320	7029	1	13.5	3.0	2.0	
APL-1 Electrolytic	10.7	311	5130	1	14.8	3.0	2.0	
Z Mill -2 Fume Exhaust	11.8	311	4444	1	14.5	3.0	2.0	
APL-1 Equalization	11.6	402	3820	1	16.6	3.0	2.0	
Sendzimier Mill 2 (Motor Commutator)	12.6	310	28652	1	15.4	3.0	2.0	
Boiler (FBC-1)old	11.5	382	26321	1	33.2	3.0	12.2	
Senzimier Mill 2 (Oil Cellar)	11	311	18414	1	13.9	3.0	2.0	

BDL : Below Detectable Limits

STACK EMISSION REPORT

STL	: B
Annexure	: I
Month	: MAY
Year	: 2025

1. Name of the Plant	SALEM STEEL PLANT
2.Name of the shop	Steel Melting Shop /Cold Rolling Mill/ Hot Rolling Mill
3. Process	Steel Melting ,Hot rolling, Annealing & Pickling , Cold Rolling
4. Control equipment installed	Scrubbers, Cyclones, Bag Filters
5. Sampling by	External Agencies.

Stack No & Details	Exit Vel (m/s, Avg)	Temp.K (Avg)	Flow Rate (NM3/Hr Avg)	No.Of Obs	Parameters Avg. (mg/nm3) SPM	SO2	NOx	Remarks
APL-3 Mixed Acid	14.4	436	9619	1	13.6	3.0	7.0	
APL-3 Pre Pickling	9.2	309	2168	1	12.9	3.0	2.0	
HRM Reheating Furnace	9.6	416	36591	1	36.5	3.0	10.6	
APL-2Brightening	9.6	310	7037	1	13.1	3.0	2.0	
APL-2 Shot Blasting	10.4	309	6232	1	13.2	3.0	2.0	
APL-2 Electrolytic	10.4	309	24259	1	13.8	3.0	2.0	
Z Mill -2 Fume Exhaust	10.8	309	40716	1	13.4	3.0	2.0	
Boiler (FBC-2)old	10.5	397	24497	1	23.1	3.0	12.5	
AOD Stack	15.3	342	159602	1	39.5	3.0	2.0	
EAF LF Stack	10.9	341	413738	1	38.3	3.0	16.0	
Z Mill -1 Fume Exhaust	13.4	309	44486	1	14.6	3.0	2.0	

BDL : Below Detectable Limit

M. Veeraraghavan

STACK EMISSION REPORT

STL	: B
Annexure	: I
Month	:JUNE
Year	: 2025

1. Name of the Plant	SALEM STEEL PLANT
2.Name of the shop	Steel Melting Shop /Cold Rolling Mill/ Hot Rolling Mill
3. Process	Steel Melting ,Hot rolling, Annealing & Pickling , Cold Rolling
4. Control equipment installed	Scrubbers, Cyclones, Bag Filters
5. Sampling by	External Agencies.

Stack No & Details	Exit Vel (m/s, Avg)	Temp.K (Avg)	Flow Rate (NM3/Hr Avg)	No.Of Obs	Parameters Avg. (mg/nm3) SPM	SO2	NOx	Remarks
APL-3 Mixed Acid	11.9	347	10037	1	13.8	3.0	8.0	
APL-3 Pre Pickling	9.9	327	2215	1	13.6	3.0	2.0	
HRM Reheating Furnace	14.4	574	39914	1	37.6	3.0	18.0	
APL-2Brightening	10.6	314	7725	1	13.8	3.0	2.0	
APL-2 Shot Blasting	11.1	315	6932	1	13.9	3.0	2.0	
APL-1 Electrolytic	9.9	313	5231	1	14.3	3.0	2.0	
Z Mill -1 Fume Exhaust	10.9	312	40894	1	12.8	3.0	2.0	
Boiler (FBC NEW)	13.1	402	19141	1	26.4	3.0	51.0	
AOD Stack	11.1	340	159197	1	41.3	3.0	2.0	
EAF LF Stack	10.8	343	409517	1	39.3	3.0	16.0	
Z Mill -2 Fume Exhaust	11.0	311	41400	1	13.2	3.0	2.0	
APL-1Brightening	10.0	316	7241	1	13.4	3.0	2.0	
2MW DG Stack-1	13.6	462	2856	1	42.8	3.0	325	
2MW DG Stack-3	13.9	464	2876	1	43.7	3.0	366	
DG 250 KVA (Town ship)	12.7	446	525	1	19.6	3.0	105.3	

BDL : Below Detectable Limit

M. Leandro

STACK EMISSION REPORT

STL	: B
Annexure	: I
Month	: JULY
Year	: 2025

1. Name of the Plant	SALEM STEEL PLANT
2:Name of the shop	Steel Melting Shop /Cold Rolling Mill/ Hot Rolling Mill
3. Process	Steel Melting ,Hot rolling, Annealing & Pickling , Cold Rolling
4. Control equipment installed	Scrubbers, Cyclones, Bag Filters
5. Sampling by	External Agencies.

Stack No & Details	Exit Vel (m/s, Avg)	Temp. K (Avg)	Flow Rate (NM3/Hr Avg)	No .Of Obs	Parameters Avg. (mg/nm3) SPM	SO2	NOx	Remarks
APL-3 Mixed Acid	13.4	422	9387	1	15.9	3.0	13.0	
APL-3 Pre Pickling	9	307	2167	1	13.6	3.0	2.0	
HRM Reheating Furnace	10.7	440	39142	1	38.4	3.0	23.6	
APL-1Brightening	9.9	306	7346	1	13.8	3.0	2.0	
APL-2 Shot Blasting	9.1	307	6838	1	13.8	3.0	2.0	
APL-1 Electrolytic	9.9	309	5341	1	13.6	3.0	2.0	
Z Mill -1 Fume Exhaust	10.5	309	40178	1	14.7	3.0	2.0	
Boiler (FBC NEW)	10.8	393	16590	1	33.6	3.0	59.7	
AOD Stack	10.5	336	113325	1	39.2	3.0	2.0	
EAF LF Stack	9.9	349	373222	1	41.5	3.0	19.0	
Z Mill -2 Fume Exhaust	9.7	308	37242	1	15.9	3.0	2.0	
AC Motor Ventilation	9.7	307	20297	1	12.8	3.0	2.0	
APL-2 Electrolytic	9.4	310	24901	1	14.2	3.0	2.0	
APL-3 Shot Blasting	9.3	309	100851	1	32.3	3.0	2.0	
Oil Cellar Ventilation	9.9	310	9415	1	13.8	3.0	2.0	
APL-2 Brightening	9.1	308	6796	1	14.5	3.0	2.0	
Acid Recovery System	10.5	371	5460	1	13.9	3.0	15.0	

BDL : Below Detectable Limit

M. Leenal Jose

STACK EMISSION REPORT

STL : B
Annexure : I
Month : AUGUST
Year : 2025

1. Name of the Plant	SALEM STEEL PLANT
2.Name of the shop	Steel Melting Shop /Cold Rolling Mill/ Hot Rolling Mill
3. Process	Steel Melting ,Hot rolling, Annealing & Pickling , Cold Rolling
4. Control equipment installed	Scrubbers, Cyclones, Bag Filters
5. Sampling by	External Agencies.

Stack No & Details	Exit Vel (m/s, Avg)	Temp.K (Avg)	Flow Rate (NM3/Hr Avg)	No.Of Obs	Parameters Avg. (mg/nm3) SPM	SO2	NOx	Remarks
APL-3 Mixed Acid	14.2	421	9837	1	13.8	3.0	13.0	
APL-3 Pre Pickling	9.3	308	2202	1	13.1	3.0	2.0	
HRM Reheating Furnace	9.3	441	33485	1	34.7	3.0	82.0	
APL-1Brightening	10.8	306	8032	1	13.9	3.0	2.0	
APL-2 Shot Blasting	10.6	305	7230	1	13.5	3.0	2.0	
APL-1 Electrolytic	10.7	307	5246	1	15.8	3.0	2.0	
Z Mill -1 Fume Exhaust	11.1	308	42042	1	17.3	3.0	2.0	
Boiler (FBC OLD)	11	320	26820	1	36.1	3.0	76.7	
AOD Stack	10.9	335	116244	1	41.3	3.0	2.0	
EAF LF Stack	10.6	349	393688	1	39.8	3.0	12.0	
Sendzimier Mill -3 Fume Exhaust	11.2	305	38662	1	14.1	3.0	2.0	
APL 2 Quench	12	516	45263	1	15.2	3.0	45.0	
APL-2 Brightening	10.5	309	7733	1	13.8	3.0	2.0	
APL-3 Lime Exhaust System	10.2	315	14103	1	12.6	3.0	2.0	
APL 2 Preheater	12.9	509	20532	1	16.3	3.0	43.5	
APL-2 Equalisation	11.2	429	3823	1	15.8	3.0	55.0	

BDL : Below Detectable Limit

STACK EMISSION REPORT

STL : B
Annexure : I
Month :SEPTEMBER
Year : 2025

1. Name of the Plant	SALEM STEEL PLANT
2.Name of the shop	Steel Melting Shop /Cold Rolling Mill/ Hot Rolling Mill
3. Process	Steel Melting ,Hot rolling, Annealing & Pickling , Cold Rolling
4. Control equipment installed	Scrubbers, Cyclones, Bag Filters
5. Sampling by	External Agencies.

Stack No & Details	Exit Vel (m/s, Avg)	Temp.K (Avg)	Flow Rate (NM3/Hr Avg)	No.Of Obs	Parameters Avg. (mg/nm3) SPM	SO2	NOx	Remarks
APL-3 Mixed Acid	13.8	308	13256	1	25.7	3.0	20.0	
APL-3 Quench Section 1	8.3	320	86913	1	13.5	3.0	2.0	
HRM Reheating Furnace	10.89	443	39567	1	36.9	3.0	89.3	
APL-1Brightening	10.18	307	7649	1	15.3	3.0	2.0	
APL-3 Shot Blasting	9.53	308	103680	1	23.7	3.0	2.0	
APL-1 Electrolytic	10.21	309	5603	1	14.9	3.0	2.0	
Z Mill -1 Fume Exhaust	10.81	308	41504	1	15.6	3.0	2.0	
Boiler (FBC OLD)	11.81	393	26305	1	31.7	3.0	86.5	
Z Mill -2 Fume Exhaust	10.95	309	41905	1	14.5	3.0	2.0	
APL-2 Electrolytic	9.6	309	25513	1	14.7	3.0	2.0	
APL-2 Shot Blasting	10.21	307	6930	1	28.7	3.0	2.0	
APL-3 pre pickling	9.53	308	2287	1	23.7	3	2.0	
APL-2 Brightening	9.31	308	6973	1	13.8	3.0	2.0	

BDL : Below Detectable Limit

STACK MONITORING - STATISTICAL ANALYSIS (APR'25 TO SEP'25)										
Sl No	Name of stack	SPM (mg/Nm3)			SO_2 (mg/Nm3)			NOx (mg/Nm3)		
	Parameters	Min	Max	Average	Min	Max	Average	Min	Max	Average
1	EAF & LF stack	38.30	41.50	39.14	3.0	3.0	3.0	2.0	19.0	11.80
2	AOD stack (sms)	37.20	41.30	39.70	3.0	3.0	3.0	2.0	2.00	2.00
3	Re-Heating furnace-HRM	33.70	38.40	36.47	3.0	3.0	3.0	10.6	89.3	48.56
4	APL-3 Shot Blasting	23.70	32.30	28.00	3.0	3.0	3.0	2.0	2.00	2.00
5	APL-3 Prepickling	12.90	15.30	13.73	3.0	3.0	3.0	2.0	2.00	2.00
6	APL-3 Mixed Acid	13.60	25.70	16.23	3.0	3.0	3.0	2.0	13.00	5.60
7	APL-2 Shot Blasting	13.20	28.70	15.82	3.0	3.0	3.0	2.0	2.00	2.00
8	APL-1 Electrolytic	13.60	15.80	14.53	3.0	3.0	3.0	2.0	2.00	2.00
9	APL-1 Brightening	13.40	15.30	13.96	3.0	3.0	3.0	2.0	2.00	2.00
10	Mill–I Fume Exhaust	12.80	17.30	14.72	3.0	3.0	3.0	2.0	2.00	2.00
11	Mill–II Fume Exhaust	13.20	15.90	14.60	3.0	3.0	3.0	2.0	2.00	2.00
12	FBC Boiler -II	23.10	36.10	31.10	3.0	3.0	3.0	12.2	86.50	55.16
13	APL- II Brightening	13.10	13.80	13.65	3.0	3.0	3.0	2.0	2.00	2.00
14	APL- II Electrolytic	13.80	15.80	14.62	3.0	3.0	3.0	2.0	2.00	2.00

AMBIENT AIR QUALITY REPORT

STL	: B
Annexure	: II
Month	:APRIL
Year	: 2025

1. Name of the Plant	SALEM STEEL PLANT
2. Sampling by	External Agency

S.No. Location	Type of Sample	Date of Sampling	No.Of Obser's	Parameters Avg. (micro gm/Nm3)				Remarks
	Cont / Int		Norm	PM-2.5 60	PM-10 100	SO2 80	NOx 80	
1.Works Office	Cont	08.04.2025	1	26.8	57.3	9.9	20.3	
2.IFFS	Cont	08.04.2025	1	28.3	58.8	10.6	22.5	
3.Makeup Water Pumphouse	Cont	08.04.2025	1	27.6	59.3	9.5	21.8	
4.Stainless Surabi	Cont	07.04.2025	1	28.6	59.1	10.3	21.8	
5.Naickenpatty	Cont	10.04.2025	1	27.8	58.6	10.3	22.1	
6.Ganapathi Nagar	Cont	08.04.2025	1	27.6	58.1	9.8	21.5	
7.Thoppukadu	Cont	09.04.2025	1	26.5	57.8	10.1	20.8	
8.Thoppur	Cont	07.04.2025	1	27.3	58.1	9.7	21.4	
9.SSP Main Hospital	Cont	07.04.2025	1	28.1	58.6	9.4	21.7	
10.Near Medical College	Cont	07.04.2025	1	27.6	58.3	9.6	22.3	

BDL : Below Detectable Limit

AMBIENT AIR QUALITY REPORT

STL	: B
Annexure	: II
Month	:MAY
Year	: 2025

1. Name of the Plant	SALEM STEEL PLANT
2. Sampling by	External Agency

S.No. Location	Type of Sample Cont / Int	Date of Sampling	No.of Obser's Norm	Parameters Avg. (micro gm/Nm3) PM-2.5 60	PM-10 100	SO2 80	NOx 80	Remarks
1.Works Office	Cont	06.05.2025	1	27.1	57.3	9.2	19.6	
2.IFFS	Cont	06.05.2025	1	28.1	58.4	10.6	22.3	
3.Makeup Water Pumphouse	Cont	06.05.2025	1	27.8	58.1	10.3	21.8	
4.Stainless Surabi	Cont	05.05.2025	1	28.6	59.2	10.2	22.5	
5.Naickenpatty	Cont	05.05.2025	1	26.8	57.6	9.7	20.8	
6.Ganapathi ıgar	Cont	07.05.2025	1	27.5	58.1	9.8	21.4	
7.Thoppukadu	Cont	08.05.2025	1	28.6	58.8	10.1	22.2	
8.Thoppur	Cont	05.05.2025	1	27.6	58.1	9.9	21.9	
9.SSP Main Hospital	Cont	05.05.2025	1	27.5	57.9	9.6	20.1	
10.Near Medical College	Cont	06.05.2025	1	27.8	58.4	10.4	21.7	

BDL : Below Detectable Limit

M. Ganapathy

AMBIENT AIR QUALITY REPORT

STL	: B
Annexure	: II
Month	:JUNE
Year	: 2025

1. Name of the Plant	SALEM STEEL PLANT
2. Sampling by	External Agency

S.No. Location	Type of Sample	Date of Sampling	No.Of Obser's	Parameters Avg. (micro gm/Nm3)				Remarks
				PM-2.5	PM-10	SO2	NOx	
	Cont / Int		Norm	60	100	80	80	
1.Works Office	Cont	05.06.2025	1	27.8	58.6	10.3	22.1	
2.IFFS	Cont	05.06.2025	1	27.9	58.5	10.2	22.7	
3.Makeup Water Pumphouse	Cont	05.06.2025	1	28.6	59.2	10.5	22.8	
4.Stainless Surabi	Cont	06.06.2025	1	27.8	58.4	10.3	21.7	
5.Naickenpatty	Cont	04.06.2025	1	27.8	58.6	10.4	21.3	
6.Ganapathi Nagar	Cont	04.06.2025	1	27.9	58.1	9.7	19.5	
7.Thoppukadu	Cont	04.06.2025	1	27.2	57.6	9.5	19.3	
8.Thoppur	Cont	04.06.2025	1	28.3	58.6	10.1	20.8	
9.SSP Main Hospital	Cont	05.06.2025	1	26.8	57.6	10.0	19.7	
10.Near Medical College	Cont	07.06.2025	1	27.4	58.2	9.8	22.3	

BDL : Below Detectable Limit

AMBIENT AIR QUALITY REPORT

STL	: B
Annexure	: II
Month	:JULY
Year	: 2025

1. Name of the Plant	SALEM STEEL PLANT
2. Sampling by	External Agency

S.No. Location	Type of Sample	Date of Sampling	No.Of Obser's	Parameters Avg. (micro gm/Nm3)				Remarks
	Cont / Int		Norm	PM-2.5 60	PM-10 100	SO2 80	NOx 80	
1.Works Office	Cont	08.07.2025	1	27.2	57.5	9.7	20.8	
2.IFFS	Cont	08.07.2025	1	27.4	58.1	10.1	20.3	
3.Makeup Water Pumphouse	Cont	08.07.2025	1	26.8	57.3	9.8	19.5	
4.Stainless Surabi	Cont	07.07.2025	1	27.5	57.9	9.7	19.9	
5.Naickenpatty	Cont	08.07.2025	1	27.8	58.3	9.9	21.1	
6.Ganapathi Nagar	Cont	10.07.2025	1	27.9	58.8	10.3	21.4	
7.Thoppukadu	Cont	09.07.2025	1	27.3	58.5	9.7	21.1	
8.Thoppur	Cont	07.07.2025	1	28.3	58.4	9.8	20.6	
9.SSP Main Hospital	Cont	07.07.2025	1	26.8	57.3	9.6	19.8	
10.Near Medical College	Cont	07.07.2025	1	27.3	58.9	10.1	21.4	

BDL : Below Detectable Limit

AMBIENT AIR QUALITY REPORT

STL	: B
Annexure	: II
Month	: AUGUST
Year	: 2025

1. Name of the Plant	SALEM STEEL PLANT
2. Sampling by	External Agency

S.No. Location	Type of Sample	Date of Sampling	No.Of Obser's	Parameters Avg. (micro gm/Nm3) PM-2.5	PM-10	SO2	NOx	Remarks
	Cont / Int		Norm	60	100	80	80	
1.Works Office	Cont	12.08.2025	1	27.8	59.2	10.4	21.3	
2.IFFS	Cont	12.08.2025	1	29.6	60.9	10.2	19.7	
3.Makeup Water Pumphouse	Cont	12.08.2025	1	26.9	57.5	9.6	19.3	
4.Stainless Surabi	Cont	11.08.2025	1	27.0	59.3	9.6	19.2	
5.Naickenpatty	Cont	14.08.2025	1	26.5	58.3	9.7	20.6	
6.Ganapathi Nagar	Cont	12.08.2025	1	27.8	59.1	10.3	20.6	
7.Thoppukadu	Cont	13.08.2025	1	28.9	60.3	9.5	21.7	
8.Thoppur	Cont	11.08.2025	1	27.9	58.5	9.9	21.3	
9.SSP Main Hospital	Cont	11.08.2025	1	28.8	59.6	10.3	22.4	
10.Near Medical College	Cont	11.08.2025	1	29.7	61.3	10.6	22.9	

BDL : Below Detectable Limit

M. Leenalpriya

AMBIENT AIR QUALITY REPORT

STL	: B
Annexure	: II
Month	:SEPTEMBER
Year	: 2025

1. Name of the Plant	SALEM STEEL PLANT
2. Sampling by	External Agency

S.No. Location	Type of Sample	Date of Sampling	No.Of Obser's	Parameters Avg. (micro gm/Nm3)				Remarks
	Cont / Int		Norm	PM-2.5 60	PM-10 100	SO2 80	NOx 80	
1.Works Office	Cont	04.09.2025	1	27.1	58.4	9.8	19.5	
2.IFFS	Cont	04.09.2025	1	26.3	57.5	9.6	19.0	
3.Makeup Water Pumphouse	Cont	04.09.2025	1	27.8	59.0	10.1	20.2	
4.Stainless Surabi	Cont	03.09.2025	1	27.3	58.9	20.6	20.6	
5.Naickenpatty	Cont	05.09.2025	1	26.6	57.1	9.5	20.3	
6.Ganapathi Nagar	Cont	06.09.2025	1	28.2	59.6	10.1	21.3	
7.Thoppukadu	Cont	05.09.2025	1	28.9	60.3	9.5	21.7	
8.Thoppur	Cont	03.09.2025	1	25.9	57.6	9.9	19.8	
9.SSP Main Hospital	Cont	03.09.2025	1	29.6	60.9	10.3	21.4	
10.Near Medical College	Cont	03.09.2025	1	26.9	58.1	10.3	21.4	

BDL : Below Detectable Limit

FUGITIVE EMISSION MONITORING AT SMS (LF) Area - Annexure-3

Statistical Analysis

S.No	Month	Apr-25	May-25	Jun-25	Jul-25	Aug-25	MIN	MAX	AVG	REMARKS
	Parameters									
1	PM-2.5 (µg/m3)	26.0	27.1	26.4	27.7	27.3	26	27.7	26.90	
2	PM-10 (µg/m3)	57.0	57.6	57.3	58.3	58.9	57	58.9	57.82	
3	SO2 (µg/m3)	4.2	4.7	3.8	3.1	5.0	3.1	5.0	4.16	
4	NOX (µg/m3)	3.5	5.8	5.1	5.7	7.0	3.5	7.0	5.42	
5	CO (mg/m3)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
6	F (µg/m3)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	

Ambient Air Quality Monitoring -Statistical Analysis((APR'25 TO SEP'25)													
	Location	PM2.5			PM10			SO2			NOX		
		Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1	Works Office	26.80	27.80	27.13	57.30	58.60	57.75	9.20	10.3	9.87	19.50	22.1	20.30
2	IFFS	26.30	28.30	27.60	56.50	58.80	57.97	9.30	10.6	10.07	19.00	22.7	21.38
3	Makeup water PH	25.70	28.60	27.38	57.10	59.30	58.33	9.50	10.5	9.97	18.90	22.8	20.83
4	Stainless Surabhi	27.30	28.60	27.58	57.10	59.20	58.43	9.60	20.6	11.78	18.90	22.5	20.90
5	Naickenpatti	26.60	27.80	27.43	57.10	58.60	58.05	9.50	10.4	9.90	20.30	22.1	21.15
6	Ganapathi Nagar	26.80	28.20	27.65	57.50	59.60	58.37	9.7	11.1	10.13	19.50	21.5	21.07
7	Thoppukadu	25.70	28.90	27.80	57.60	60.30	58.48	9.50	10.8	9.95	19.30	25.0	21.68
8	Thoppur	25.70	28.30	27.18	57.00	58.60	57.97	9.20	10.1	9.77	19.80	21.9	20.73
9	SSPmain hospital	26.80	29.60	27.60	56.70	60.90	58.17	9.40	10.3	9.83	19.70	21.7	20.63
10	Near medical college	26.50	27.80	27.25	57.90	58.90	58.30	9.60	10.5	10.12	20.60	22.3	21.62