SEIL Energy India Limited

CIN: U40103HR2008PLC095648
Regd. Office: Building 7A, Level 5,
DLF Cyber City, Gurugram – 122002,
Haryana, India.
Tel: (91) 124 6846700/701,
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Email: cs@seilenergy.com
Website: www.seilenergy.com

SEIL P2/APPCB/BZA/2026/007
21st September 2026

To
The Member Secretary,
Andhra Pradesh Pollution Control Board,
Paryavaran Bhavan, APIIC Colony Road,
Gurunanak Colony, Auto Nagar,
Vijayawada– 520007.

Sub.: **Submission of Environment Statement for FY2025-26 – SEIL Energy India Limited Project-2, Nellore.**

Ref: CFO order issued vide Ref: APPCB/VJA/NLR/182/HO/CFO/2016 dated 14.12.2021 valid till 28.02.2027.

Dear Sir,

With reference to the above, please find enclosed herewith Environment Statement of SEIL Energy India Limited Project-2, Nellore for FY2025-26, duly filled in Form V.

Thanking you,

Yours faithfully,
For **M/s. SEIL Energy India Limited**



Gnanadesigan N
Head HSE- SEIL

Encl: Environment Statement in Form V along with Annexures

Copy To:
1. The Additional Director, Scientist 'E', MoEF&CC, IRO, Vijayawada
2. The Regional Officer, APPCB, Nellore

ENVIRONMENTAL STATEMENT FOR THE YEAR 2025-26

Of

2x660 MW
Super Critical Coal Based Thermal Power Plant

At
Ananthavaram, Varakavipudi Villages
TP Gudur Mandal
SPSR Nellore District
Andhra Pradesh

Submitted By

SEIL Energy India Limited Project-2
SPSR NELLORE,
ANDHRA PRADESH

September 2026

FORM V
(See Rule 14)

Environmental Statement Report for the financial year ending the 31st March 2026

PART- A

(i) Name and adders of the Owner/Occupier of the Industry, Operation or process	:	Mr. Sunil Kumar Gupta Head O& M SEIL Energy India Limited Project-2 Ananthavaram, and Varakavipudi Villages, Muthukur Mandal, SPSR Nellore 524 344 0861-3052311 0861-3052309
(ii) Industry Category	:	A (Coal based thermal power plant)
(iii) Production capacity	:	1320 MW (2X660 MW)
(iv) Year of Establishment	:	Nov 2016
(V) Date of the last Environmental statement Submitted	:	27th September 2025

PART– B

Water and Raw Material consumption

1. Water Consumption, m^3/d:

Plant Process	: 14,242
Cooling	: 1,51,666
Potable	: 34

Name of Product	Process Water Consumption per Unit of Product Output	
	During the Financial Year (2024-25)	During the Current Financial Year (2025-26)
Electricity	0.557 m^3/MWH (Excl. Cooling Tower makeup) 6.423 m^3/MWH (Incl. Cooling Tower makeup)	0.543 m^3/MWH (Excl. Cooling Tower makeup) 5.780 m^3/MWH (Incl. Cooling Tower makeup)

2. Raw Material Consumption

Name of Products	Name of Raw Materials	Unit	Consumption of raw material per unit of output	
			During the Financial year (2024-25)	During the current Financial year (2025-26)
Electricity	Coal	MT/MWH	0.649	0.643
	Furnace Oil	KL/MWH	0.1169	0.1046

*Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw material used.

PART– C

Pollution Discharged to Environment/Unit of Output
(Parameters as specified in the consent issued)

(i) Pollution	Quantity of pollutants discharged	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
a) Water	Please refer Annexure-I (Effluent Water Quality Third Party Monitoring reports)		
b) Air	Please refer Annexure-II (Stack Emissions Quality Third Party Monitoring reports)		

PART– D

Hazardous Wastes

(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

(a) From Process:

S.No.	Hazardous Wastes	Total Quantity	
		During the Financial year (2024-25)	During the Current Financial year (2025-26)
1	Expired Paints/ Paint Waste/ Empty Paint Cans	6.00 MT	6.02 MT
2	Expired Chemicals/ Chemical Waste/ Empty Chemical	0	0
3	Spent Ion Exchange Resins	0	0
4	Oil Soaked or Chemicals coated Cotton waste	1.34 MT	0.521 MT
5	Used Oil Filters/ Damaged Filters	0.398 MT	0.32 MT
6	ETP Sludge/ Oil Sludge	0	0
7	Used Lubricant Oil	53.294 MT	15.157 MT
8	Waste Oil from DG Sets	0	0
9	Aerosol Cans	10.15 KG	0
10	Used Empty Chemical Jar/	0	0

	Bottles		
11	Used Empty PVC oil sample Bottles	0	0
12	Used Grease	1.78 MT	0.545 MT
Other Wastes			
13	Lead Acid Batteries	5.024 MT	5.560 MT
14	E-Waste	1.104 MT	0.481 MT

PART- E
Solid Wastes

(b)From pollution control facilities:

S.No.	Solid Wates	Total Quantity	
		During the Financial year (2024-25)	During the Current Financial year (2025-26)
1	Ash (Fly Ash+ Bottom Ash)	16,08,006 MT	17,17,897 MT

(C)

(1) Quantity recycled or re-utilized with in the plant:

S.No.	Solid Wates	Total Quantity	
		During the Financial year (2024-25)	During the Current Financial year (2025-26)
1	Ash (Fly Ash+ Bottom Ash)	2,21,549 MT	2,12,167 MT

(2) Sold:

S.No.	Solid Wates	Total Quantity	
		During the Financial year (2024-25)	During the Current Financial year (2025-26)
1	Ash (Fly Ash+ Bottom Ash)	10,30,516 MT	13,61,597 MT

(3) Disposed: (Total Ash Disposal)

S.No.	Solid Wates	Total Quantity	
		During the Financial year (2024-25)	During the Current Financial year (2025-26)
1	Ash (Fly Ash+ Bottom Ash)	16,16,776 MT	15,73,764 MT

PART– F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Characteristics of Solid Wastes

Fly Ash

Parameter	Unit	Fly Ash
Chromium (as Cr^{+6})	ppm	0.50
Arsenic (as As)	ppm	0.71
Lead (as Pb)	ppm	0.86
Mercury (as Hg)	ppm	<0.03

Disposal practice of Solid Waste:

(a) Disposal Practice of Hazardous Waste:

S.No.	Name of Hazardous Waste	Disposal Practice
1	Expired Paints/ Paint Waste/ Empty Paint Cans	Disposal to Authorized recyclers/ Reprocessors/ Incinerators
2	Expired Chemicals/ Chemical Waste/ Empty Chemical	Disposal to Authorized recyclers/ Reprocessors/ Incinerators
3	Spent Ion Exchange Resins	Disposal to Authorized recyclers/ Reprocessors/ Incinerators
4	Oil Soaked or Chemicals coated Cotton waste	Disposal to Authorized recyclers/ Reprocessors/ Incinerators
5	Used Oil Filters/ Damaged Filters	Disposal to Authorized recyclers/ Reprocessors/ Incinerators
6	ETP Sludge/ Oil Sludge	Disposal to Authorized recyclers/ Reprocessors/ Incinerators
7	Used Lubricant Oil	Disposal to Authorized recyclers/ Reprocessors/ Incinerators/ Pre-processors
8	Waste Oil from DG Sets	Disposal to Authorized recyclers/ Reprocessors/ Incinerators/ Pre-processors
9	Aerosol Cans	Disposal to Authorized recyclers/ Reprocessors/ Incinerators
10	Used Empty Chemical Jar/ Bottles	Disposal to Authorized recyclers/ Reprocessors/ Incinerators
11	Used Empty PVC oil sample Bottles	Disposal to Authorized recyclers/ Reprocessors/ Incinerators
12	Used Grease	Disposal to Authorized recyclers/ Reprocessors/ Incinerators
Other Wastes		
13	Lead Acid Batteries	Return to manufacturers/dealers on buyback basis/ Authorized recyclers
14	E-Waste	Authorized recyclers/ Reprocessors

(b) Disposal Practice of Solid Waste:

S.No.	Name of Solid Waste	Disposal Practice
1	Ash (Fly Ash+ Bottom Ash)	Utilization in Cement/ AAC blocks/ Brick Industry/ RMC/ Export to other countries/ Disposal in Ash Pond/ Filling of Low lying areas

PART– G

Impact of the pollution control measures on conservation of natural resources and on the cost of production.

Energy Conservation Initiatives

Sl. No.	Initiatives	Energy Savings (MWh)	Fuel (MT)
1	On Improved Condenser vacuum and stopped fourth CW Pump during part load and high condenser vacuum conditions	14429	-
2	CW Pump -2A impeller coating carried using Kirloskar Poly glass VEHA+CORO GLASS 602+ FLUIGLIDE @ 1200 Microns	858.5	-
3	CCCW Pump -2B impeller coating carried using Kirloskar Poly glass VEHA+CORO GLASS 602+ FLUIGLIDE @ 1200 Microns	692.0	-
4	CT makeup pump1A impeller coating carried using Kirloskar Poly glass VEHA+CORO GLASS 602+ FLUIGLIDE @ 1200 Microns	481.8	-
5	PA fan-2A motor replacement with efficient motor	1717.0	-
6	Unit-2 Condenser tube cleaning & NDCT rectification	-	986
7	Roof exhaust fans aluminum blades replacement with FRP blades	335.5	-
8	CTP inter connection between unit-1&2	175.2	-
9	Transit blow down (TBD) system bypassed and stopped by utilizing the CW pump discharge pressure	3328.8	-
10	Stopping of Blowdown pumps by diverting	2960.9	-

	blowdown water from CW pump discharge		
11	SWRO reject pump stopped by constructing TBD surge tower	700.8	-
12	Optimization of Filter Feed Pump Operation & Implementation of Single Pump Running	367.9	--
13	APH-2A/2B seals & Flue gas duct leak attending	5580.1	

- STP treated water is diverted to AHP clarifier instead of horticulture during winter and rainy days
- BWRO reject water diverted back to Feed water tank of SWRO instead of sending to outfall
- SWRO reject water being reused for backflushing of Dual media filter and pressurized sand filter instead of sending to outfall
- Potable water system source changed from service water (50% reject system) with additional RO (50% reject system) to BWRO (20% reject system) without any additional RO. Potable water system reject reduced by 70%
- CHP service water pump auto operation implemented on remote tank level to avoid overflowing
- Underground firewater lines are converting to above ground lines in progress to monitor and control the leakages
- Canteen water storage tank auto makeup through solenoid valve implemented to avoid overflowing
- Water flow monitoring digitalized dashboard implementation in progress
- In green belt area, Micro sprinkler system, Rain port sprinkler system, and Online & Inline drip systems are implemented for conserving the water

PART– H

Additional measures/ investment proposal for environmental protection including abatement of pollution, prevention of pollution

- A total of about Rs. 7,55,39,905 has been spent on Environment Monitoring, House Keeping, Waste Disposal, Green Belt Maintenance, Ash Management, Maintenance of Pollution Control Monitoring equipment like CEMS, CAAQMS & EQMS for the financial year 2025–26.
- Regular monitoring of Ambient Air Quality, Stack emissions and Effluent quality have been taken up to evaluate the efficiency of the pollution control systems and control

measures. Both CEMS, CAAQMS & EQMS are connected to APPCB / CPCB websites and data is being transmitted on real time basis.

- Energy Management system (EMS) Implementation under progress for Auxiliary consumption optimization.
- Bulk shipment of Ash disposal done to Sri Lanka and Middle East.
- SEIL has hired JCB for free loading of pond ash to supply customers.
- Exploring export opportunities.
- Finding other modes of transportation of fly ash to the customers.
- LOI issued to NHAI for pond ash off take and the same was in progress.
- The parking area has been enhanced for further parking of more bulkers.
- Break bulk shipment to middle east.
- Energy Management system (EMS) Implementation under progress for Auxiliary consumption optimization.
- Massive tree plantation is done inside as well as outside of the Plant premises. Lawns/ gardens also are developed inside the plant premises to enhance aesthetics. Conocarpus plantation is done all around the coal stack area to suppress the wind-borne coal dust.
- Upgraded DFDS System installed for dust suppression.
- All internal roads are made up of concrete/asphalt to reduce the fugitive dust emission inside the plant premises.
- Rainwater harvesting ponds are constructed & maintained in the site.
- Good Housekeeping practices and 5S system has been implemented in the company by deploying approx. 200 No's of manpower.
- Company has undertaken 5S audit from QCFI and is being certified.

PART– I

Any other particulars for improving the quality of environment

- SEIL Energy India Limited certified with ISO 9001:2015 (QMS), ISO 14001:2015 (EMS) & ISO 45001:2018 (OHS)
- 5S certification by Quality Circle Forum of India (QCFI).
- More than **360 acres** of Greenbelt development completed inside & all along the periphery of the plant boundary.
- World Environment Day was celebrated with Plantation, Competitions, awareness sessions, Sea Beach Cleaning Activity & Green Rally to build up environmental awareness among employees and the community.



Gnanadesigan N
Head-HSE
On Behalf of Head O&M

Mr. Sunil Kumar Gupta
Head O&M
SEIL Energy India Limited
Date: 21-09-2026

ANNEXURE- I

SPECTRA ENVIROTECH PVT LTD

Accredited by MoEF & Accredited by NABL (TC-13099)

Environmental, Micro Biology, Analytical Testings & RO, ETP, STP's Engineering

TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V),Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical
Group: Wastewater
Sample Location: **Ash Pond Effluent Water**
Date of Monitoring: 15.05.2025
Sample Collected By: S.Ganesh

Sample Registration Date: 16.05.2025
Analysis Starting Date: 16.05.2025
Analysis Completed Date: 22.05.2025
Issue Date: 22.05.2025
Lab Ref: SEPL/ES/SEILEILP/05-25/0001

TEST RESULT

S.NO	TEST PARAMETERS	UNIT	TEST METHOD	STANDARD	RESULT
1.	pH	---	IS:3025(Part-11)1983	6.5-8.5	**8.2**
2.	Color	Hazen	IS-3025(Part-4)2021	Colorless	**Colorless**
3.	Odor	---	IS-3025(Part-5)	Agreeable	**Agreeable**
4.	Total Suspended Solids	mg/l	IS:3025(Part-11)1983	100	**79**
5.	Chemical Oxygen Demand (COD)	mg/l	IS:3025(Part-58)-2006	250	**58**
6.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	mg/l	IS:3025(Part-44)-1993	100	**61**
7.	Oil & Grease	mg/l	IS:3025(Part-39)-1991	10	**3.7**
8.	Total Arsenic as As	mg/l	IS:3025(Part-37)-1988	0.2	**<0.01**
9.	Mercury as Hg	mg/l	IS:3025(Part-48)-1994	0.01	**<0.001**
10.	Lead as Pb	mg/l	IS:3025(Part-47)-1994	2.0	**<0.01**
11.	Cadmium as Cd	mg/l	IS:3025(Part-41)-1992	2.0	**<0.001**
12.	Hexavalent Chromium as Cr^{6+}	mg/l	IS:3025(Part-52)-2003	1.0	**<0.001**

IS-Indian Standard

Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

Authorized by
Managing Director

LABORATORY : Plot No 142/1, Eruvada Junction, Sabbavaram (M), Vizag - 531 035
Web : www.spectraenviro.com | **E-mail**: sepl.sjn@gmail.com | info@spectraenviro.com
Cell: 80199 55222, 111 | **BRANCHES:** VIJAYAWADA | HYDERABAD

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(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) - 524344.

Discipline: Chemical

Group: Waste water
Sample Location: **Ash Pond Effluent Water**
Date of Monitoring: **28.08.2025**
Sample Collected By: Ganesh

Sample Registration Date: 29.08.2025
Analysis Starting Date: 29.08.2025
Analysis Completed Date: 03.09.2025
Issue Date: 03.09.2025
Lab Ref: SEPL/ES/SEILEILP/08-25/0001

TEST RESULT

S.NO	TEST PARAMETERS	UNIT	TEST METHOD	STANDARD	RESULT
1.	pH	---	IS:3025(Part-11)1983	6.5-8.5	**7.9**
2.	Color	Hazen	IS-3025(Part-4)2021	Colorless	**Colorless**
3.	Odor	---	IS-3025(Part-5)	Agreeable	**Agreeable**
4.	Total Suspended Solids	mg/l	IS:3025(Part-11)1983	100	**95**
5.	Chemical Oxygen Demand (COD)	mg/l	IS:3025(Part-58)-2006	250	**86**
6.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	mg/l	IS:3025(Part-44)-1993	100	**61**
7.	Oil & Grease	mg/l	IS:3025(Part-39)-1991	10	**<1.0**
8.	Total Arsenic as As	mg/l	IS:3025(Part-37)-1988	0.2	**<0.01**
9.	Mercury as Hg	mg/l	IS:3025(Part-48)-1994	0.01	**<0.001**
10.	Lead as Pb	mg/l	IS:3025(Part-47)-1994	2.0	**<0.01**
11.	Cadmium as Cd	mg/l	IS:3025(Part-41)-1992	2.0	**<0.001**
12.	Hexavalent Chromium as Cr^{6+}	mg/l	IS:3025(Part-52)-2003	1.0	**<0.001**

IS-Indian Standard

K.S.Raj
Verified by

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(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) - 524344.

Discipline: Chemical Group: Waste water Sample Location: **Ash Pond Effluent Water** Date of Monitoring: **08.12.2025** Sample Collected By: Ganesh	**Sample Registration Date: 09.12.2025** **Analysis Starting Date: 09.12.2025** **Analysis Completed Date: 14.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0001**

TEST RESULT

S.NO	TEST PARAMETERS	UNIT	TEST METHOD	STANDARD	RESULT
1.	pH	---	IS:3025(Part-11)1983	6.5-8.5	**7.3**
2.	Color	Hazen	IS-3025(Part-4)2021	Colorless	**Colorless**
3.	Odor	---	IS-3025(Part-5)	Agreeable	**Agreeable**
4.	Total Suspended Solids	mg/l	IS:3025(Part-11)1983	100	**92**
5.	Chemical Oxygen Demand (COD)	mg/l	IS:3025(Part-58)-2006	250	**138**
6.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	mg/l	IS:3025(Part-44)-1993	100	**94**
7.	Oil & Grease	mg/l	IS:3025(Part-39)-1991	10	**<1.0**
8.	Total Arsenic as As	mg/l	IS:3025(Part-37)-1988	0.2	**<0.01**
9.	Mercury as Hg	mg/l	IS:3025(Part-48)-1994	0.01	**<0.001**
10.	Lead as Pb	mg/l	IS:3025(Part-47)-1994	2.0	**<0.01**
11.	Cadmium as Cd	mg/l	IS:3025(Part-41)-1992	2.0	**<0.001**
12.	Hexavalent Chromium as Cr^{6+}	mg/l	IS:3025(Part-52)-2003	1.0	**<0.001**

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(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) - 524344.

Discipline	**: Chemical**	**Sample Registration Date**	**: 17.03.2026**
Group	**: Waste water**	**Analysis Starting Date**	**: 17.03.2026**
Sample Location	**: Ash Pond Effluent Water**	**Analysis Completed Date**	**: 21.03.2026**
Date of Sampling	**: 16.03.2026**	**Issue Date**	**: 21.03.2026**
		Lab Ref: SEPL/ES/SEILP2/APEW/03-26/0001	
		Sample Collected By	**: N. Suresh**

TEST RESULT

S.NO	TEST PARAMETERS	UNIT	TEST METHOD	RESULT
1.	pH	---	IS:3025(Part-11)1983	**7.4**
2.	Color	Hazen	IS-3025(Part-4)2021	**Colorless**
3.	Odor	---	IS-3025(Part-5)	**Agreeable**
4.	Total Suspended Solids	mg/l	IS:3025(Part-11)1983	**80**
5.	Chemical Oxygen Demand (COD)	mg/l	IS:3025(Part-58)-2006	**142**
6.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	mg/l	IS:3025(Part-44)-1993	**45**
7.	Oil & Grease	mg/l	IS:3025(Part-39)-1991	**<1.0**
8.	Total Arsenic as As	mg/l	IS:3025(Part-37)-1988	**<0.01**
9.	Mercury as Hg	mg/l	IS:3025(Part-48)-1994	**<0.001**
10.	Lead as Pb	mg/l	IS:3025(Part-47)-1994	**<0.01**
11.	Cadmium as Cd	mg/l	IS:3025(Part-41)-1992	**<0.001**
12.	Hexavalent Chromium as Cr^{6+}	mg/l	IS:3025(Part-52)-2003	**<0.001**

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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2X660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.)-524344.

Discipline: Chemical	**Date Of Sampling: 15.05.2025**
Group: Water	**Sample Registration Date: 16.05.2025**
Product: Water	**Analysis Starting Date: 16.05.2025**
Location: Boiler Feed Water	**Issue Date: 22.05.2025**
Qty: 1 Ltrs	**Lab Ref: SEPL/ES/SEILEILP/05-25/0001**
Packing: Plastic Container	**Sample collected person details: S. Ganesh**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Total Suspended Solids	IS3025(P-17)1984	mg/l	100	**6.8**
2.	Oil & Grease	IS3025(P-39)2021	mg/l	10	**< 1.0**
3.	Copper (Total)	IS3025(P-42)1992	mg/l	1.0	**0.82**
4.	Ferrous as Fe^{+}	IS3025(P-53)2003	mg/l	1.0	**064**
5.	Free Available Chlorine	IS3025(P-26)1986	mg/l	0.5	**< 0.2**

Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

Authorized by
Managing Director

LABORATORY : Plot No 142/1, Eruvada Junction, Sabbavaram (M), Vizag - 531 035
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(2X660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.)-524344.

Discipline: Chemical	**Date Of Sampling: 28.08.2025**
Group: Water	**Sample Registration Date: 29.08.2025**
Product: Water	**Analysis Starting Date: 29.08.2025**
Location: Boiler Feed Water	**Issue Date: 03.09.2025**
Qty: 1 Ltrs	**Lab Ref: SEPL/ES/SEILEILP/08-25/0001**
Packing: Plastic Container	**Sample collected person details: S. Ganesh**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Total Suspended Solids	IS3025(P-17)1984	mg/l	100	**8.9**
2.	Oil & Grease	IS3025(P-39)2021	mg/l	10	**< 1.0**
3.	Copper (Total)	IS3025(P-42)1992	mg/l	1.0	**0.78**
4.	Ferrous as Fe^{+}	IS3025(P-53)2003	mg/l	1.0	**0.87**
5.	Free Available Chlorine	IS3025(P-26)1986	mg/l	0.5	**< 0.2**

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2X660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.)-524344.

Discipline: Chemical	**Date Of Sampling: 08.12.2025**
Group: Water	**Sample Registration Date: 09.12.2025**
Product: Water	**Analysis Starting Date: 09.12.2025**
Location: Boiler Feed Water	**Issue Date: 14.12.2025**
Qty: 1 Ltrs	**Lab Ref: SEPL/ES/SEILEILP/12-25/0001**
Packing: Plastic Container	**Sample collected person details: S. Ganesh**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Total Suspended Solids	IS3025(P-17)1984	mg/l	100	**9.9**
2.	Oil & Grease	IS3025(P-39)2021	mg/l	10	**< 1.0**
3.	Copper (Total)	IS3025(P-42)1992	mg/l	1.0	**0.90**
4.	Ferrous as Fe^{+}	IS3025(P-53)2003	mg/l	1.0	**0.71**
5.	Free Available Chlorine	IS3025(P-26)1986	mg/l	0.5	**< 0.1**

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(2X660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.)-524344.

Discipline	**: Chemical**	**Date Of Sampling**	**: 16.03.2026**
Product	**: Water**	**Sample Registration Date**	**: 17.03.2026**
Location	**: Boiler Feed Water**	**Analysis Starting Date**	**: 17.03.2026**
Qty	**: 2 Ltrs**	**Issue Date**	**: 21.03.2026**
Packing	**: Plastic Container**	**Lab Ref : SEPL/ES/SEILP2/BFW/03-26/0002**	
		Sample collected person details: N. Suresh	

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	RESULTS
1.	Total Suspended Solids	IS3025(P-17)1984	mg/l	**8.1**
2.	Oil & Grease	IS3025(P-39)2021	mg/l	**< 1.0**
3.	Copper (Total)	IS3025(P-42)1992	mg/l	**0.83**
4.	Ferrous as Fe^{+}	IS3025(P-53)2003	mg/l	**0.69**
5.	Free Available Chlorine	IS3025(P-26)1986	mg/l	**< 0.1**

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(2X660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.)-524344.

Discipline: Chemical	**Date Of Sampling: 15.05.2025**
Group: Water	**Sample Registration Date: 16.05.2025**
Product: Water	**Analysis Starting Date: 16.05.2025**
Location: Cooling Tower Blow Down	**Issue Date: 22.05.2025**
Qty: 1 Ltrs	**Lab Ref: SEPL/ES/SEILEILP/05-25/0002**
Packing: Plastic Container	**Sample collected person details: S. Ganesh**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	Zinc	IS3025(P-49)1994	mg/l	1.0	**0.62**
2.	Chromium (Total)	IS3025(P-52)2003	mg/l	0.2	**BDL**
3.	Phosphate	IS3025(P-31)1998	mg/l	5.0	**3.9**
4.	Free Available Chlorine	IS3025(P-26)1986	mg/l	0.5	**0.1**

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(2X660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.)-524344.

Discipline: Chemical	**Date Of Sampling: 28.08.2025**
Group: Water	**Sample Registration Date: 29.08.2025**
Product: Water	**Analysis Starting Date: 29.08.2025**
Location: Cooling Tower Blow Down	**Issue Date: 03.09.2025**
Qty: 1 Ltrs	**Lab Ref: SEPL/ES/SEILEILP/08-25/0002**
Packing: Plastic Container	**Sample collected person details: S. Ganesh**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	Zinc	IS3025(P-49)1994	mg/l	1.0	**0.76**
2.	Chromium (Total)	IS3025(P-52)2003	mg/l	0.2	**BDL**
3.	Phosphate	IS3025(P-31)1998	mg/l	5.0	**4.1**
4.	Free Available Chlorine	IS3025(P-26)1986	mg/l	0.5	**0.3**

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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2X660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.)-524344.

Discipline: Chemical	**Date Of Sampling: 08.12.2025**
Group: Water	**Sample Registration Date: 09.12.2025**
Product: Water	**Analysis Starting Date: 09.12.2025**
Location: Cooling Tower Blow Down	**Issue Date: 14.12.2025**
Qty: 1 Ltrs	**Lab Ref: SEPL/ES/SEILEILP/12-25/0002**
Packing: Plastic Container	**Sample collected person details: S. Ganesh**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	Zinc	IS3025(P-49)1994	mg/l	1.0	**0.64**
2.	Chromium (Total)	IS3025(P-52)2003	mg/l	0.2	**BDL**
3.	Phosphate	IS3025(P-31)1998	mg/l	5.0	**3.9**
4.	Free Available Chlorine	IS3025(P-26)1986	mg/l	0.5	**0.2**

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

(2X660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.)-524344.

Discipline : Chemical	**Date Of Sampling : 16.03.2026**
Group : Water	**Sample Registration Date : 17.03.2026**
Product : Water	**Analysis Starting Date : 17.03.2026**
Location : Cooling Tower Blow Down	**Issue Date : 21.03.2026**
Qty : 2 Ltrs	**Lab Ref: SEPL/ES/SEILP2/CTBD/03-26/0003**
Packing : Plastic Container	**Sample collected person details: N. Suresh**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	RESULTS
1.	Zinc	IS3025(P-49)1994	mg/l	**0.58**
2.	Chromium (Total)	IS3025(P-52)2003	mg/l	**BDL**
3.	Phosphate	IS3025(P-31)1998	mg/l	**4.9**
4.	Free Available Chlorine	IS3025(P-26)1986	mg/l	**0.2**

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram(V),ThotapalliGudur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: ETP OUTLET(Treated Effluent)** **Date of Monitoring:21.05.2025** **Sample Collected By: Ganesh**	**Sample Registration Date:23.05.2025** **Analysis Starting Date:23.05.2025** **Analysis Completed Date:28.05.2025** **Issue Date:28.05.2025** **Lab Ref: SEPL/ES/SEILEILP/05-25/0002**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	8.1
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	2100	292
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	200	70
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	250	39
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	100	40
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0

Note: IS- Indian Standard

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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V),Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: ETP OUTLET (Treated Effluent)** **Date of Monitoring: 28.08.2025** **Sample Collected By: Ganesh**	**Sample Registration Date: 29.08.2025** **Analysis Starting Date: 29.08.2025** **Analysis Completed Date: 03.09.2025** **Issue Date: 03.09.2025** **Lab Ref: SEPL/ES/SEILEILP/08-25/0002**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	7.9
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	2100	274
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	200	53
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	250	447
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	100	51
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0

Note: IS- Indian Standard

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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V),Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: ETP OUTLET (Treated Effluent)** **Date of Monitoring: 08.12.2025** **Sample Collected By: Ganesh**	**Sample Registration Date: 09.12.2025** **Analysis Starting Date: 09.12.2025** **Analysis Completed Date: 14.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0002**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	8.3
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	2100	38
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	200	67
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	250	59
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	100	60
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0

Note: IS- Indian Standard

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V),Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: ETP OUTLET (Treated Effluent)** **Date of Monitoring: 16.03.2026** **Sample Collected By: Ganesh**	**Sample Registration Date: 17.03.2026** **Analysis Starting Date: 17.03.2026** **Analysis Completed Date: 21.03.2026** **Issue Date: 21.03.2026** **Lab Ref: SEPL/ES/SEILEILP/03-26/0002**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	7.9
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	2100	43
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	200	72
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	250	64
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	100	67
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0

Note: IS- Indian Standard

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram(V),Thotapalli Gudur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical	**Sample Registration Date: 23.05.2025**
Group: Water	**Analysis Starting Date: 23.05.2025**
Product: Marine Outfall Water	**Analysis Completed Date: 28.05.2025**
Date of Sampling: 21.05.2025	**Issue Date :28.05.2025**
Sample Collected By: S.Ganesh	**Lab Ref: SEPL/ES/SEILEILP/05-25/0001**

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	pH	IS:3025(Part-11)1983	--	6.5-8.5	7.6
2	Temperature Intake	--	°C	Shall not exceed 5°C above the Receiving temperature	26.1
3	Temperature Out Fall	--	°C		26.5
4	Electric Conductivity	IS: 3025:1964	µs/cm	--	24426
5	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	--	17,819
6	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	100	65
7	Chemical Oxygen Demand	IS:3025(Part-58)-2006	mg/l	250	90
8	Biochemical Oxygen Demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	100	55
9	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0
10	Total Hardness as $CaCO_3$	IS:3025(Part-21)-2012	mg/l	--	4516
11	Total Alkalinity as $CaCO_3$	IS:3025(Part-23)-2012	mg/l	--	671
12	P- Alkalinity as $CaCO_3$	IS:3025(Part-13)-1964	mg/l	--	Nil
13	Turbidity	IS:3025(Part-10)-2012	NTU	--	5.9
14	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	--	1,263
15	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	--	261
16	Sodium as Na	IS:3025(Part-45)1993	mg/l	--	572

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S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
17	Potassium as K	IS:3025(Part-45)1993	mg/l	--	290
18	Chloride as Cl	IS:3025(Part-32)-2012	mg/l	--	7,259
19	Sulphates as SO_4	IS:3025(Part-24)-2012	mg/l	--	765
20	Nitrates as NO_3	IS:3025(Part-34)-2012	mg/l	--	42.7
21	Carbonates as CO_3	IS:3025(Part-51)-2017	mg/l	--	Nil
22	Bio Carbonates as HCO_3	IS:3025(Part-51)-2017	mg/l	--	462
23	Iron as Fe	IS:3025(Part-53)-2012	mg/l	--	5.2
24	Fluoride as F	IS:3025(Part-60)-2012	mg/l	--	2.0
25	Copper as Cu	IS:3025(Part-42)-2012	mg/l	--	0.82
26	Manganese as Mn	IS:3025(Part-59)-2012	mg/l	--	0.69
27	Phenolic Compounds as C_6H_5OH	IS:3025(Part-43)-2012	mg/l	--	<0.005
28	Cadmium as Cd	IS:3025(Part-41)-2012	mg/l	2.0	<0.005
29	Mercury as Hg	IS:3025(Part-48)-2012	mg/l	0.01	<0.001
30	Selenium as Se	IS:3025(Part-56)-2012	mg/l	--	<0.005
31	Arsenic as As	IS:3025(Part-37)-2012	mg/l	0.2	<0.01
32	Cyanide as CN	IS:3025(Part-27)-2012	mg/l	--	<0.01
33	Lead as Pb	IS:3025(Part-47)-2012	mg/l	2.0	<0.01
34	Zinc as Zn	IS:3025(Part-49)-2012	mg/l	--	0.56
35	Hexavalent Chromium as Cr^{+6}	IS:3025(Part-38)-1964	mg/l	1.0	<0.001
36	Boron as B	IS:3025(Part-57)-2012	mg/l	--	0.005
37	Silica as SiO_2	IS:3025(Part-35)-2019	mg/l	--	37.3

Note: **IS- Indian Standard**

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram(V),Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: Marine Outfall Water (Fish Bio-Assay Test)** **Date of Sampling:21.05.2025** **Sample Collected By: Ganesh**	**Sample Registration Date:23.05.2025** **Analysis Starting Date:23.05.2025** **Analysis Completed Date:28.05.2025** **Issue Date:28.05.2025** **Lab Ref: SEPL/ES/SEILEILP/05-25/0002**

TEST RESULT

TEST SPECIES	SOURCE OF ORGANISM	LENGTH & WEIGHT (For Fish)	REMARKS
Zebra Fish	Through vendors	1.Length 4.5 cm 2.Weight 3.8 gm	1.Fish were not fed Yes 2. Temperature range in aquarium 28°C

REFERENCE TEST DATA

START DATE:23.05.2025
END DATE:28.05.2025

COMMENTS:

The test species were undergone toxicity for about 96 Hrs.
RESULT: 97%survival of fish was noticed

Testing: As per M. L. Jackson& FAO –Food and Agriculture Organization

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Environmental, Micro Biology, Analytical Testings & RO, ETP, STP's Engineering

TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: Marine Outfall Water** **Date of Sampling: 28.08.2025** **Sample Collected By: S .Ganesh**	**Sample Registration Date: 29.08.2025** **Analysis Starting Date: 29.08.2025** **Analysis Completed Date: 03.09.2025** **Issue Date: 03.09.2025** **Lab Ref: SEPL/ES/SEILEILP/08-25/0001**

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	pH	IS:3025(Part-11)1983	--	6.5-8.5	8.1
2	Temperature Intake	--	°C	Shall not exceed 5°C above the Receiving temperature	27.7
3	Temperature Out Fall	--	°C		29.3
4	Electric Conductivity	IS: 3025:1964	µs/cm	--	24380
5	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	--	17,779
6	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	100	64
7	Chemical Oxygen Demand	IS:3025(Part-58)-2006	mg/l	250	92
8	Biochemical Oxygen Demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	100	61
9	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0
10	Total Hardness as $CaCO_3$	IS:3025(Part-21)-2012	mg/l	--	4467
11	Total Alkalinity as $CaCO_3$	IS:3025(Part-23)-2012	mg/l	--	683
12	P- Alkalinity as $CaCO_3$	IS:3025(Part-13)-1964	mg/l	--	Nil
13	Turbidity	IS:3025(Part-10)-2012	NTU	--	6.8
14	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	--	1,192
15	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	--	271
16	Sodium as Na	IS:3025(Part-45)1993	mg/l	--	579

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Cell: 80199 55222, 111 | **BRANCHES:** VIJAYAWADA | HYDERABAD

S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
17	Potassium as K	IS:3025(Part-45)1993	mg/l	--	294
18	Chloride as Cl	IS:3025(Part-32)-2012	mg/l	--	7,257
19	Sulphates as SO_4	IS:3025(Part-24)-2012	mg/l	--	769
20	Nitrates as NO_3	IS:3025(Part-34)-2012	mg/l	--	43.0
21	Carbonates as CO_3	IS:3025(Part-51)-2017	mg/l	--	Nil
22	Bio Carbonates as HCO_3	IS:3025(Part-51)-2017	mg/l	--	466
23	Iron as Fe	IS:3025(Part-53)-2012	mg/l	--	4.2
24	Fluoride as F	IS:3025(Part-60)-2012	mg/l	--	2.3
25	Copper as Cu	IS:3025(Part-42)-2012	mg/l	--	0.87
26	Manganese as Mn	IS:3025(Part-59)-2012	mg/l	--	0.75
27	Phenolic Compounds as C_6H_5OH	IS:3025(Part-43)-2012	mg/l	--	<0.005
28	Cadmium as Cd	IS:3025(Part-41)-2012	mg/l	2.0	<0.005
29	Mercury as Hg	IS:3025(Part-48)-2012	mg/l	0.01	<0.001
30	Selenium as Se	IS:3025(Part-56)-2012	mg/l	--	<0.005
31	Arsenic as As	IS:3025(Part-37)-2012	mg/l	0.2	<0.01
32	Cyanide as CN	IS:3025(Part-27)-2012	mg/l	--	<0.01
33	Lead as Pb	IS:3025(Part-47)-2012	mg/l	2.0	<0.01
34	Zinc as Zn	IS:3025(Part-49)-2012	mg/l	--	0.63
35	Hexavalent Chromium as Cr^{+6}	IS:3025(Part-38)-1964	mg/l	1.0	<0.001
36	Boron as B	IS:3025(Part-57)-2012	mg/l	--	0.005
37	Silica as SiO_2	IS:3025(Part-35)-2019	mg/l	--	38.4

Note: **IS- Indian Standard**

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: Marine Outfall Water (Fish Bio-Assay Test)** **Date of Sampling: 28.08.2025** **Sample Collected By: Ganesh**	**Sample Registration Date: 29.08.2025** **Analysis Starting Date: 29.08.2025** **Analysis Completed Date: 03.09.2025** **Issue Date: 03.09.2025** **Lab Ref: SEPL/ES/SEILEILP/08-25/0002**

TEST RESULT

TEST SPECIES	SOURCE OF ORGANISM	LENGTH & WEIGHT (For Fish)	REMARKS
Zebra Fish	Through vendors	1. Length 4.1 cm 2. Weight 4.1 gm	1. Fish were not fed Yes 2. Temperature range in aquarium 28°C

REFERENCE TEST DATA

START DATE: 29.08.2025
END DATE: 03.09.2025

COMMENTS:

The test species were undergone toxicity for about 96 Hrs.
RESULT: 95% survival of fish was noticed

Testing: As per M. L. Jackson & FAO –Food and Agriculture Organization

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Cell: 80199 55222, 111 | **BRANCHES:** VIJAYAWADA | HYDERABAD

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: Marine Outfall Water** **Date of Sampling: 08.12.2025** **Sample Collected By: S .Ganesh**	**Sample Registration Date: 09.12.2025** **Analysis Starting Date: 09.12.2025** **Analysis Completed Date: 14.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0001**

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	pH	IS:3025(Part-11)1983	--	6.5-8.5	7.6
2	Temperature Intake	--	°C	Shall not exceed 5°C above the Receiving temperature	29.2
3	Temperature Out Fall	--	°C		28.1
4	Electric Conductivity	IS: 3025:1964	µs/cm	--	24401
5	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	--	17,812
6	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	100	76
7	Chemical Oxygen Demand	IS:3025(Part-58)-2006	mg/l	250	71
8	Biochemical Oxygen Demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	100	53
9	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0
10	Total Hardness as $CaCO_3$	IS:3025(Part-21)-2012	mg/l	--	53
11	Total Alkalinity as $CaCO_3$	IS:3025(Part-23)-2012	mg/l	--	692
12	P- Alkalinity as $CaCO_3$	IS:3025(Part-13)-1964	mg/l	--	Nil
13	Turbidity	IS:3025(Part-10)-2012	NTU	--	5.1
14	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	--	1,180
15	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	--	264
16	Sodium as Na	IS:3025(Part-45)1993	mg/l	--	583

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S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
17	Potassium as K	IS:3025(Part-45)1993	mg/l	--	273
18	Chloride as Cl	IS:3025(Part-32)-2012	mg/l	--	7,269
19	Sulphates as SO_4	IS:3025(Part-24)-2012	mg/l	--	771
20	Nitrates as NO_3	IS:3025(Part-34)-2012	mg/l	--	41.3
21	Carbonates as CO_3	IS:3025(Part-51)-2017	mg/l	--	Nil
22	Bio Carbonates as HCO_3	IS:3025(Part-51)-2017	mg/l	--	479
23	Iron as Fe	IS:3025(Part-53)-2012	mg/l	--	5.2
24	Fluoride as F	IS:3025(Part-60)-2012	mg/l	--	3.4
25	Copper as Cu	IS:3025(Part-42)-2012	mg/l	--	0.75
26	Manganese as Mn	IS:3025(Part-59)-2012	mg/l	--	0.69
27	Phenolic Compounds as C_6H_5OH	IS:3025(Part-43)-2012	mg/l	--	<0.005
28	Cadmium as Cd	IS:3025(Part-41)-2012	mg/l	2.0	<0.005
29	Mercury as Hg	IS:3025(Part-48)-2012	mg/l	0.01	<0.001
30	Selenium as Se	IS:3025(Part-56)-2012	mg/l	--	<0.005
31	Arsenic as As	IS:3025(Part-37)-2012	mg/l	0.2	<0.01
32	Cyanide as CN	IS:3025(Part-27)-2012	mg/l	--	<0.01
33	Lead as Pb	IS:3025(Part-47)-2012	mg/l	2.0	<0.01
34	Zinc as Zn	IS:3025(Part-49)-2012	mg/l	--	0.44
35	Hexavalent Chromium as Cr^{+6}	IS:3025(Part-38)-1964	mg/l	1.0	<0.001
36	Boron as B	IS:3025(Part-57)-2012	mg/l	--	0.004
37	Silica as SiO_2	IS:3025(Part-35)-2019	mg/l	--	35.9

Note: **IS- Indian Standard**

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: Marine Outfall Water (Fish Bio-Assay Test)** **Date of Sampling: 08.12.2025** **Sample Collected By: Ganesh**	**Sample Registration Date: 09.12.2025** **Analysis Starting Date: 09.12.2025** **Analysis Completed Date: 14.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0002**

TEST RESULT

TEST SPECIES	SOURCE OF ORGANISM	LENGTH & WEIGHT (For Fish)	REMARKS
Zebra Fish	Through vendors	1. Length 4.3 cm 2. Weight 3.7 gm	1. Fish were not fed Yes 2. Temperature range in aquarium 30°C

REFERENCE TEST DATA

START DATE: 09.12.2025
END DATE: 14.12.2025

COMMENTS:

The test species were undergone toxicity for about 96 Hrs.
RESULT: 97% survival of fish was noticed

Testing: As per M. L. Jackson & FAO –Food and Agriculture Organization

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical	**Sample Registration Date: 17.03.2026**
Group: Water	**Analysis Starting Date: 17.03.2026**
Product: Marine Outfall Water	**Analysis Completed Date: 21.03.2026**
Date of Sampling: 16.03.2026	**Issue Date: 21.03.2026**
Sample Collected By: S .Ganesh	**Lab Ref: SEPL/ES/SEILEILP/03-26/0001**

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	pH	IS:3025(Part-11)1983	--	6.5-8.5	7.2
2	Temperature Intake	--	°C	Shall not exceed 5°C above the Receiving temperature	28.4
3	Temperature Out Fall	--	°C		29.3
4	Electric Conductivity	IS: 3025:1964	µs/cm	--	24417
5	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	--	17,825
6	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	100	81
7	Chemical Oxygen Demand	IS:3025(Part-58)-2006	mg/l	250	77
8	Biochemical Oxygen Demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	100	64
9	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0
10	Total Hardness as $CaCO_3$	IS:3025(Part-21)-2012	mg/l	--	60
11	Total Alkalinity as $CaCO_3$	IS:3025(Part-23)-2012	mg/l	--	681
12	P- Alkalinity as $CaCO_3$	IS:3025(Part-13)-1964	mg/l	--	Nil
13	Turbidity	IS:3025(Part-10)-2012	NTU	--	5.4
14	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	--	1,187
15	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	--	274
16	Sodium as Na	IS:3025(Part-45)1993	mg/l	--	590

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Cell: 80199 55222, 111 | **BRANCHES:** VIJAYAWADA | HYDERABAD

S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
17	Potassium as K	IS:3025(Part-45)1993	mg/l	--	264
18	Chloride as Cl	IS:3025(Part-32)-2012	mg/l	--	7,275
19	Sulphates as SO_4	IS:3025(Part-24)-2012	mg/l	--	782
20	Nitrates as NO_3	IS:3025(Part-34)-2012	mg/l	--	44.6
21	Carbonates as CO_3	IS:3025(Part-51)-2017	mg/l	--	Nil
22	Bio Carbonates as HCO_3	IS:3025(Part-51)-2017	mg/l	--	483
23	Iron as Fe	IS:3025(Part-53)-2012	mg/l	--	5.4
24	Fluoride as F	IS:3025(Part-60)-2012	mg/l	--	3.9
25	Copper as Cu	IS:3025(Part-42)-2012	mg/l	--	0.67
26	Manganese as Mn	IS:3025(Part-59)-2012	mg/l	--	0.71
27	Phenolic Compounds as C_6H_5OH	IS:3025(Part-43)-2012	mg/l	--	<0.005
28	Cadmium as Cd	IS:3025(Part-41)-2012	mg/l	2.0	<0.005
29	Mercury as Hg	IS:3025(Part-48)-2012	mg/l	0.01	<0.001
30	Selenium as Se	IS:3025(Part-56)-2012	mg/l	--	<0.005
31	Arsenic as As	IS:3025(Part-37)-2012	mg/l	0.2	<0.01
32	Cyanide as CN	IS:3025(Part-27)-2012	mg/l	--	<0.01
33	Lead as Pb	IS:3025(Part-47)-2012	mg/l	2.0	<0.01
34	Zinc as Zn	IS:3025(Part-49)-2012	mg/l	--	0.52
35	Hexavalent Chromium as Cr^{+6}	IS:3025(Part-38)-1964	mg/l	1.0	<0.001
36	Boron as B	IS:3025(Part-57)-2012	mg/l	--	0.003
37	Silica as SiO_2	IS:3025(Part-35)-2019	mg/l	--	38.1

Note: **IS- Indian Standard**

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: Marine Outfall Water (Fish Bio-Assay Test)** **Date of Sampling: 16.03.2026** **Sample Collected By: Ganesh**	**Sample Registration Date: 17.03.2026** **Analysis Starting Date: 17.03.2026** **Analysis Completed Date: 21.03.2026** **Issue Date: 21.03.2026** **Lab Ref: SEPL/ES/SEILEILP/03-26/0002**

TEST RESULT

TEST SPECIES	SOURCE OF ORGANISM	LENGTH & WEIGHT (For Fish)	REMARKS
Zebra Fish	Through vendors	1. Length 4.1 cm 2. Weight 3.9 gm	1. Fish were not fed Yes 2. Temperature range in aquarium 29°C

REFERENCE TEST DATA

START DATE: 17.03.2026
END DATE: 21.03.2026

COMMENTS:

The test species were undergone toxicity for about 96 Hrs.
RESULT: 94% survival of fish was noticed

Testing: As per M. L. Jackson & FAO –Food and Agriculture Organization

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram(V),Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: STP OUTLET** **Date of Monitoring:21.05.2055** **Sample Collected By: S.Ganesh**	**Sample Registration Date:22.05.2055** **Analysis Starting Date:22.05.2055** **Analysis Completed Date:28.05.2055** **Issue Date:28.05.2055** **Lab Ref: SEPL/ES/SEILEILP/05-25/0002**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3055(Part-11)1983	--	5.5-9.0	7.6
2.	Total Dissolved Solids	IS:3055(Part-15)1984	mg/l	<2100	182
3.	Total Suspended Solids	IS:3055(Part-15)1984	mg/l	<200	62
4.	Chemical Oxygen Demand	IS:3055(Part-58)-1986	mg/l	<250	74
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3055(Part-44)-1993	mg/l	<100	33
6.	Oil & Grease	IS:3055(Part-39)-1991	mg/l	<10	<1.0

Note: IS-Indian Standard

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TEST REPORT

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Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: STP OUTLET** **Date of Monitoring: 28.08.2025** **Sample Collected By: S. Ganesh**	**Sample Registration Date: 29.08.2025** **Analysis Starting Date: 29.08.2025** **Analysis Completed Date: 03.09.2025** **Issue Date: 03.09.2025** **Lab Ref: SEPL/ES/SEILEILP/08-25/0002**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	7.5
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	<2100	175
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	<200	68
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	<250	76
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	<100	32
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	<10	<1.0

Note: IS-Indian Standard

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Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: STP OUTLET** **Date of Monitoring: 08.12.2025** **Sample Collected By: S. Ganesh**	**Sample Registration Date: 09.12.2025** **Analysis Starting Date: 09.12.2025** **Analysis Completed Date: 14.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0002**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	8.1
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	<2100	187
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	<200	91
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	<250	82
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	<100	43
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	<10	<1.0

Note: IS-Indian Standard

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Managing Director

LABORATORY : Plot No 142/1, Eruvada Junction, Sabbavaram (M), Vizag - 531 035
Web : www.spectraenviro.com | **E-mail**: sepl.sjn@gmail.com | info@spectraenviro.com
Cell: 80199 55222, 111 | **BRANCHES:** VIJAYAWADA | HYDERABAD

SPECTRA ENVIROTECH PVT LTD

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Environmental, Micro Biology, Analytical Testings & RO, ETP, STP's Engineering

TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical **Group: Water** **Product: STP OUTLET** **Date of Monitoring: 16.03.2026** **Sample Collected By: S. Ganesh**	**Sample Registration Date: 17.03.2026** **Analysis Starting Date: 17.03.2026** **Analysis Completed Date: 21.03.2026** **Issue Date: 21.03.2026** **Lab Ref: SEPL/ES/SEILEILP/03-26/0002**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	7.8
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	<2100	173
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	<200	82
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	<250	73
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	<100	54
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	<10	<1.0

Note: IS-Indian Standard

Verified by

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LABORATORY : Plot No 142/1, Eruvada Junction, Sabbavaram (M), Vizag - 531 035
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Cell: 80199 55222, 111 | **BRANCHES:** VIJAYAWADA | HYDERABAD

ANNEXURE- II

SPECTRA ENVIROTECH PVT LTD

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram(V),ThotapalliGudur(M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution **Product: Stack Emission Monitoring- MAY 2025** **Location: Unit#1**(Stack Attached to 660 MW Boiler) **Date of Monitoring:21.05.2025** **Sample Registration Date:23.05.2025**	**Analysis Starting Date:23.05.2025** **Analysis Completed Date:28.05.2025** **Issue Date:28.05.2025** **Lab Ref: SEPL/ES/SEILEILP/05-25/0001**

TEST RESULT

1. Time of Sampling ---- :10:15Hrs. to 11:15 Hrs.
2. Time Duration :01:00 Hrs.
3. Ambient Temperature (^oC) : 33.2
4. Flue gas Temperature ($^o C$) : 155
5. Velocity of the flue gas(m/sec) :23.52
6. C/s area of the duct (m^3) : 44.17
7. Stack Diameter (m) :7.5
8. Flue gas Flow Rate(Nm^3/hr) : 3739962.24

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm^3	< 50	33.1
2.	Sulphur Dioxide (SO_2)	IS 11255 (part-2)1985	mg/Nm^3	-	766
3.	Oxides of Nitrogen (NOx)	IS 11255 (part-7)1985	mg/Nm^3	350	252
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.4
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm^3	0.03	< 0.01

Instrument Details:

Instrument : Stack Monitoring Kit
Make : Sree Scientific Equipment
Model / Sl No :Sem-150/220206
Calibration Due :28.02.2026

K.S.Raj
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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram(V), Thotapalli Gudur(M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution **Product: Stack Emission Monitoring- MAY 2025** **Location: Unit#2**(Stack Attached to 660 MW Boiler) **Date of Monitoring:21.05.2025** **Sample Registration Date:23.05.2025**	**Analysis Starting Date:23.05.2025** **Analysis Completed Date:28.05.2025** **Issue Date: 28.05.2025** **Lab Ref: SEPL/ES/SEILEILP/05-25/0002**

TEST RESULT

1. Time of Sampling ---- : 11:25 Hrs. to 12:15 Hrs.
2. Time Duration :00:55 Hrs.
3. Ambient Temperature (°C) : 33.6
4. Flue gas Temperature (° C) : 159
5. Velocity of the flue gas(m/sec) :23.56
6. C/s area of the duct (m^3) :44.17
7. Stack Diameter (m) :7.5
8. Flue gas Flow Rate(Nm^3/hr) : 3746322.72

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm^3	< 50	28.1
2.	Sulphur Dioxide (SO_2)	IS 11255 (part-2)1985	mg/Nm^3	-	851
3.	Oxides of Nitrogen (NOx)	IS 11255 (part-7)1985	mg/Nm^3	350	242
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.6
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm^3	0.03	<0.01

Instrument Details:

Instrument : Stack Monitoring Kit
Make : Sree Scientific Equipment
Model / Sl No :Sem-150/220206
Calibration Due :28.02.2026

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Stack Emission Monitoring- AUGUST 2025

Location: Unit#1 (Stack Attached to 660 MW Boiler)

Date of Monitoring: 28.08.2025

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0001

TEST RESULT

1.	Time of Sampling	----	: 10:15 Hrs. to 11:15 Hrs.
2.	Time Duration		: 01:00 Hrs.
3.	Ambient Temperature	(^oC)	: 32.4
4.	Flue gas Temperature	($^o C$)	: 156
5.	Velocity of the flue gas	(m/sec)	: 24.71
6.	C/s area of the duct	(m^3)	: 44.17
7.	Stack Diameter	(m)	: 7.5
8.	Flue gas Flow Rate	(Nm^3/hr)	: 3929186.52

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm^3	< 50	34.5
2.	Sulphur Dioxide (SO_2)	IS 11255 (part-2)1985	mg/Nm^3	-	773
3.	Oxides of Nitrogen (NOx)	IS 11255 (part-7)1985	mg/Nm^3	350	267
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.5
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm^3	0.03	< 0.01

Instrument Details:

Instrument	: Stack Monitoring Kit
Make	: Sree Scientific Equipment
Model / Sl No	: Sem-150/220206
Calibration Due	: 28.02.2026

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution **Product: Stack Emission Monitoring- AUGUST 2025** **Location: Unit#2** (Stack Attached to 660 MW Boiler) **Date of Monitoring: 28.08.2025** **Sample Registration Date: 29.08.2025**	**Analysis Starting Date: 29.08.2025** **Analysis Completed Date: 03.09.2025** **Issue Date: 03.09.2025** **Lab Ref: SEPL/ES/SEILEILP/08-25/0002**

TEST RESULT

1.	Time of Sampling	----	: 11:25 Hrs. to 12:15 Hrs.
2.	Time Duration		: 00:55 Hrs.
3.	Ambient Temperature	(^oC)	: 35.9
4.	Flue gas Temperature	($^o C$)	: 156
5.	Velocity of the flue gas	(m/sec)	: 24.73
6.	C/s area of the duct	(m^3)	: 44.17
7.	Stack Diameter	(m)	: 7.5
8.	Flue gas Flow Rate	(Nm^3/hr)	: 3932366.76

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm^3	< 50	30.4
2.	Sulphur Dioxide (SO_2)	IS 11255 (part-2)1985	mg/Nm^3	-	866
3.	Oxides of Nitrogen (NOx)	IS 11255 (part-7)1985	mg/Nm^3	350	241
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.6
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm^3	0.03	<0.01

Instrument Details:

Instrument	: Stack Monitoring Kit
Make	: Sree Scientific Equipment
Model / Sl No	: Sem-150/220206
Calibration Due	: 28.02.2026

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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Stack Emission Monitoring- DECEMBER 2025

Location: Unit#1 (Stack Attached to 660 MW Boiler)

Date of Monitoring: 08.12.2025

Sample Registration Date: 09.12.2025

Analysis Starting Date: 09.12.2025

Analysis Completed Date: 14.12.2025

Issue Date: 14.12.2025

Lab Ref: SEPL/ES/SEILEILP/12-25/0001

TEST RESULT

1.	Time of Sampling	----	: 10:15 Hrs. to 11:15 Hrs.
2.	Time Duration		: 01:00 Hrs.
3.	Ambient Temperature	(^oC)	: 31.7
4.	Flue gas Temperature	($^o C$)	: 131
5.	Velocity of the flue gas	(m/sec)	: 22.16
6.	C/s area of the duct	(m^3)	: 44.17
7.	Stack Diameter	(m)	: 7.5
8.	Flue gas Flow Rate	(Nm^3/hr)	: 3523705.92

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm^3	< 50	41.2
2.	Sulphur Dioxide (SO_2)	IS 11255 (part-2)1985	mg/Nm^3	-	784
3.	Oxides of Nitrogen (NOx)	IS 11255 (part-7)1985	mg/Nm^3	350	276
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.2
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm^3	0.03	< 0.03

Instrument Details:

Instrument : Stack Monitoring Kit
Make : Sree Scientific Equipment
Model / Sl No : Sem-150/220206
Calibration Due : 28.02.2026

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LABORATORY : Plot No 142/1, Eruvada Junction, Sabbavaram (M), Vizag - 531 035
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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution	**Analysis Starting Date: 09.12.2025**
Product: Stack Emission Monitoring- DECEMBER 2025	**Analysis Completed Date: 14.12.2025**
Location: Unit#2 (Stack Attached to 660 MW Boiler)	**Issue Date: 14.12.2025**
Date of Monitoring: 08.12.2025	**Lab Ref: SEPL/ES/SEILEILP/12-25/0002**
Sample Registration Date: 09.12.2025	

TEST RESULT

1.	Time of Sampling	----	: 11:25 Hrs. to 12:15 Hrs.
2.	Time Duration		: 00:55 Hrs.
3.	Ambient Temperature	(^oC)	: 34.6
4.	Flue gas Temperature	($^o C$)	: 141
5.	Velocity of the flue gas	(m/sec)	: 22.86
6.	C/s area of the duct	(m^3)	: 44.17
7.	Stack Diameter	(m)	: 7.5
8.	Flue gas Flow Rate	(Nm^3/hr)	: 3635014.32

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm^3	< 50	43
2.	Sulphur Dioxide (SO_2)	IS 11255 (part-2)1985	mg/Nm^3	-	850
3.	Oxides of Nitrogen (NOx)	IS 11255 (part-7)1985	mg/Nm^3	350	268
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.1
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm^3	0.03	<0.02

Instrument Details:

Instrument	: Stack Monitoring Kit
Make	: Sree Scientific Equipment
Model / Sl No	: Sem-150/220206
Calibration Due	: 28.02.2026

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Stack Emission Monitoring- MARCH 2026

Location: Unit#1 (Stack Attached to 660 MW Boiler)

Date of Monitoring: 16.03.2026

Sample Registration Date: 17.03.2026

Analysis Starting Date: 17.03.2026

Analysis Completed Date: 21.03.2026

Issue Date: 21.03.2026

Lab Ref: SEPL/ES/SEILEILP/03-26/0001

TEST RESULT

1.	Time of Sampling	----	: 10:15 Hrs. to 11:15 Hrs.
2.	Time Duration		: 01:00 Hrs.
3.	Ambient Temperature	(°C)	: 30.3
4.	Flue gas Temperature	(° C)	: 124
5.	Velocity of the flue gas	(m/sec)	: 20.36
6.	C/s area of the duct	(m^3)	: 44.17
7.	Stack Diameter	(m)	: 7.5
8.	Flue gas Flow Rate	(Nm^3/hr)	: 3237484.32

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm^3	< 50	43.5
2.	Sulphur Dioxide (SO_2)	IS 11255 (part-2)1985	mg/Nm^3	-	791
3.	Oxides of Nitrogen (NOx)	IS 11255 (part-7)1985	mg/Nm^3	450	285
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.5
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm^3	0.03	< 0.03

Instrument Details:

Instrument	: Stack Monitoring Kit
Make	: Sree Scientific Equipment
Model / Sl No	: Sem-150/220206
Calibration Due	: 28.02.2027

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution **Product: Stack Emission Monitoring- MARCH 2026** **Location: Unit#2** (Stack Attached to 660 MW Boiler) **Date of Monitoring: 16.03.2026** **Sample Registration Date: 17.03.2026**	**Analysis Starting Date: 17.03.2026** **Analysis Completed Date: 21.03.2026** **Issue Date: 21.03.2026** **Lab Ref: SEPL/ES/SEILEILP/03-26/0002**

TEST RESULT

1.	Time of Sampling	----	: 11:25 Hrs. to 12:15 Hrs.
2.	Time Duration		: 00:55 Hrs.
3.	Ambient Temperature	(^oC)	: 32.1
4.	Flue gas Temperature	($^o C$)	: 132
5.	Velocity of the flue gas	(m/sec)	: 20.57
6.	C/s area of the duct	(m^3)	: 44.17
7.	Stack Diameter	(m)	: 7.5
8.	Flue gas Flow Rate	(Nm^3/hr)	: 3270876.84

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm^3	< 50	32
2.	Sulphur Dioxide (SO_2)	IS 11255 (part-2)1985	mg/Nm^3	-	843
3.	Oxides of Nitrogen (NOx)	IS 11255 (part-7)1985	mg/Nm^3	450	252
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.6
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm^3	0.03	<0.02

Instrument Details:

Instrument	: Stack Monitoring Kit
Make	: Sree Scientific Equipment
Model / Sl No	: Sem-150/220206
Calibration Due	: 28.02.2027

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Cell: 80199 55222, 111 | **BRANCHES:** VIJAYAWADA | HYDERABAD