



SEIL Energy India Limited

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SEIL P1/APPCB/BZA/2025/013
24th December 2025

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

**Sub: Submission of Half Yearly CTO Compliance Report of SEIL Energy India Limited Project-1
for the period April 2025 to September 2025**

**Ref: CFO issued vide order: APPCB/VJA/NLR/930/HO/CFO/2016 dated 16th November 2021, valid
till 30.11.2026.**

Dear Sir,

This has reference to the above subject, we hereby submit the Half Yearly compliance report for the period from April 2025 to September 2025 against the conditions stipulated under CTO issued to SEIL Energy India Limited Project-1, Nellore.

Hope the above is in order.

Thanking you,

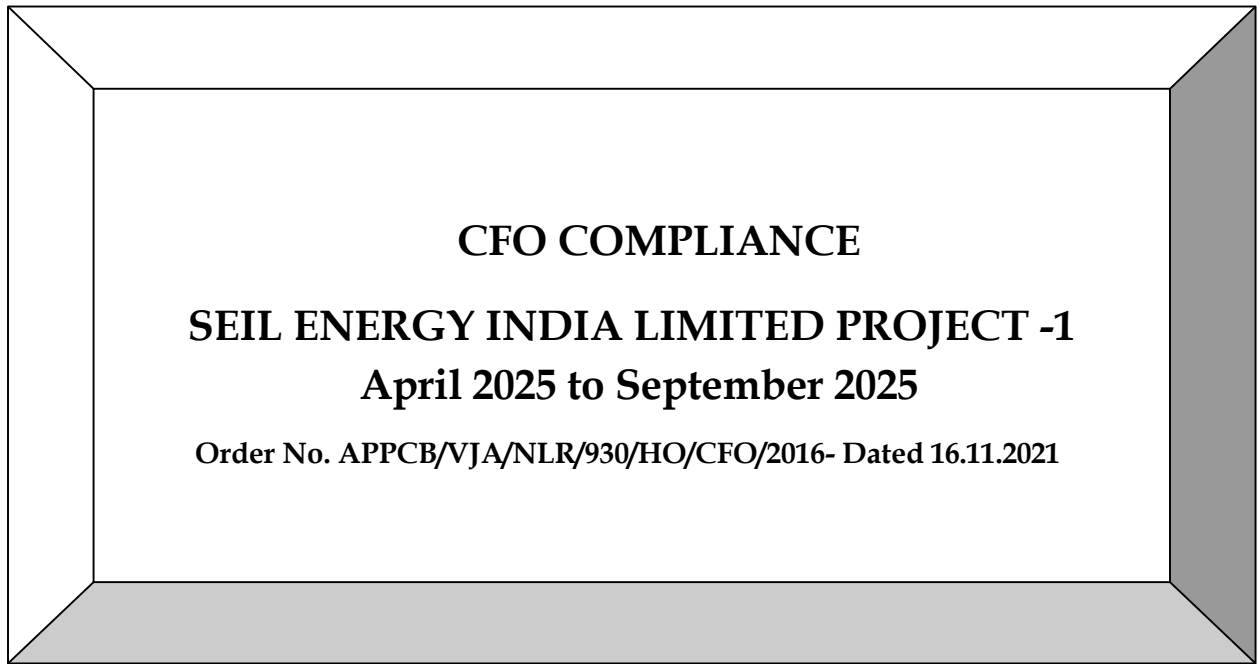
Yours faithfully,
For **M/s. SEIL Energy India Limited,**

Gnanadesigan N
Head HSE - SEIL

Copy To: The Regional Officer, APPCB, Nellore

*M/s. SEIL Energy India Limited Project-1,
Painampuram & Nelaturu (V),
Muthukur (M),
SPSR Nellore (Dist.)*

Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.



Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

Compliance against CFO Conditions		
S. NO	Condition	Compliance
SCHEDULE-A		
1.	Any up-set condition in any industrial plant/ activity of the industry, which result in, increased effluent/ emission discharge and / or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge/emission below the limits.	Complying.
2.	The industry shall carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.	Complying. Environment Monitoring carried out by MoEF&CC approved third party and reports are attached as Annexure-I, II, III & IV
3.	All the rules & Regulations notified by Ministry of Law and Justice, Government of India regarding Public liability Insurance Act, 1991 shall be followed as applicable.	Complying. A copy of latest PLI is attached as Annexure-V
4.	Notwithstanding anything contained in this consent order the Board hereby reserves the right and powers to review/ revoke any and /or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.	Noted.


Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. NO	Condition	Compliance
5.	The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.	Noted
6.	The applicant shall submit Environment Statement in Form V before 30 th September every year as per Rule no.14 of E(P) Rules 1986 & amendments thereof.	Complying. Environment Statement (Form-V) has been submitted for FY2024-25 with letter number SEIL P1/APPCB/BZA/2025/011 on 27-09-2025.
7.	The applicant should make applications through Online for renewal of Consent (Under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board.	Noted. Complying

Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. NO	Condition	Compliance
8.	The industry shall immediately submit the revised application for consent to this Board in the event of any change in the raw material use, process employed, quantity of trade effluents & Quantity of emissions. Any change in the management shall be informed to the Board. The person authorize shall not let out the premises /lend/sell/transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.	Noted. Complying
9.	Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982 to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act 1981.	Noted.
10.	The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other component authority as per the Rules in vogue.	Noted.


Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

11.	The industry may explore the possibility of tapping the solar energy for their energy requirements.	Complying. SEIL Energy India Limited P-1 has installed roof top solar panels and solar streetlights. SEIL is also exploring the suitability for small capacity solar plant.
12.	The industry should educate the workers and nearby public of possible accidents and remedial measures.	Complying. Regular trainings are being given to workers. All the measures have been taken to avoid any mishap which may lead to harm outside the plant premises (Off site) also.
SCHEDULE-B		
Special Conditions:		
S. No	Condition	Compliance Status
1.	The industry shall provide FGD system to meet the SO ₂ emission standards of 200 mg/Nm ³ by 31.12.2024, as per MoEF&CC, GoI notification GSR No.243 (E), dt.31.03.2021.	Not Applicable. As per the latest gazette CG-DL-E-12072025-264545 dated 11-07-2025 , SEIL plant falls under category C and thus exempted from installing the FGD.
2.	The industry shall maintain water sprinklers around the ash pond area to control fugitive emissions in the surrounding area within 2 months and report compliance to RO, Nellore.	Complied. SEIL is ensuring control of fugitive dust emissions from Ash pond. Consistent efforts being ensured to keep Pond Ash moist. 

Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

Water Pollution:																																																	
S. No	Condition	Compliance Status																																															
3.	<p>The industry shall comply with the following effluent standards based on the disposal points permitted:</p> <table border="1"> <thead> <tr> <th>Outlet</th><th>Parameter</th><th>Limiting standards</th></tr> </thead> <tbody> <tr> <td rowspan="12">1to3</td><td>pH</td><td>6.5 to 8.5</td></tr> <tr> <td>Suspended solids</td><td>100 mg/l</td></tr> <tr> <td>Oil & Grease</td><td>10 mg/l</td></tr> <tr> <td>Temperature</td><td>Shall not exceeded 5° C above receiving water temperature</td></tr> <tr> <td>Biochemical oxygen demand (3 days at 27°C)</td><td>100 mg/l</td></tr> <tr> <td>Chemical Oxygen Demand (COD)</td><td>250 mg/l</td></tr> <tr> <td>Arsenic</td><td>0.2 mg/l</td></tr> <tr> <td>Mercury</td><td>0.01 mg/l</td></tr> <tr> <td>Lead</td><td>2.0 mg/l</td></tr> <tr> <td>Cadmium</td><td>2.0 mg/l</td></tr> <tr> <td>Hexavalent Chromium</td><td>1.0 mg/l</td></tr> <tr> <td>Bio-assay test</td><td>90% survival fish after 96 hours 100% effluents</td></tr> <tr> <td rowspan="9">5 to 8</td><td>pH</td><td>5.5 - 9.0</td></tr> <tr> <td>Suspended solids</td><td>100 mg/l</td></tr> <tr> <td>Oil & Grease</td><td>10 mg/l</td></tr> <tr> <td>Biochemical oxygen demand (3 days at 27°C)</td><td>100 mg/l</td></tr> <tr> <td>Arsenic (as As)</td><td>0.2 mg/l</td></tr> <tr> <td>Cyanide (as CN)</td><td>0.2 mg/l</td></tr> <tr> <td>Bio-assay test</td><td>90% survival fish after 96 hours 100% effluents</td></tr> <tr> <td>Copper (Total)</td><td>1 mg/l</td></tr> <tr> <td>Iron (Total)</td><td>1 mg/l</td></tr> </tbody> </table>	Outlet	Parameter	Limiting standards	1to3	pH	6.5 to 8.5	Suspended solids	100 mg/l	Oil & Grease	10 mg/l	Temperature	Shall not exceeded 5° C above receiving water temperature	Biochemical oxygen demand (3 days at 27°C)	100 mg/l	Chemical Oxygen Demand (COD)	250 mg/l	Arsenic	0.2 mg/l	Mercury	0.01 mg/l	Lead	2.0 mg/l	Cadmium	2.0 mg/l	Hexavalent Chromium	1.0 mg/l	Bio-assay test	90% survival fish after 96 hours 100% effluents	5 to 8	pH	5.5 - 9.0	Suspended solids	100 mg/l	Oil & Grease	10 mg/l	Biochemical oxygen demand (3 days at 27°C)	100 mg/l	Arsenic (as As)	0.2 mg/l	Cyanide (as CN)	0.2 mg/l	Bio-assay test	90% survival fish after 96 hours 100% effluents	Copper (Total)	1 mg/l	Iron (Total)	1 mg/l	<p>Complying.</p> <p>Effluent Quality Monitoring Reports carried out by MoEF&CC approved third Party consultant are attached as Annexure-I.</p>
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4.	<p>The source of water is sea. The following is the permitted water consumption:</p> <table border="1"> <thead> <tr> <th>S. No</th><th>Purpose</th><th>Quantity in KL (for 2X660 MW)</th></tr> </thead> <tbody> <tr> <td>1.</td><td>For cooling tower make up (saline water)</td><td>1,98,250</td></tr> <tr> <td rowspan="7">2.</td><td>Non-cooling water - RO First pass</td><td></td></tr> <tr> <td>i) Ash handling sealing</td><td>2240</td></tr> <tr> <td>ii) Coal handling plant dust suppression</td><td>4760</td></tr> <tr> <td>iii) High Vacuum AC make up</td><td>1660</td></tr> <tr> <td>iv) Misc. services (for firefighting etc.)</td><td>510</td></tr> <tr> <td>v) RO Reject</td><td>2220</td></tr> <tr> <td>vi) Clarifier blow down</td><td>1050</td></tr> <tr> <td></td><td>RO Second pass</td><td></td></tr> <tr> <td></td><td>i. DM Plant</td><td>2080</td></tr> <tr> <td></td><td>ii. Domestic (Plant)</td><td>50</td></tr> <tr> <td></td><td>Total</td><td>2,32,840</td></tr> </tbody> </table>	S. No	Purpose	Quantity in KL (for 2X660 MW)	1.	For cooling tower make up (saline water)	1,98,250	2.	Non-cooling water - RO First pass		i) Ash handling sealing	2240	ii) Coal handling plant dust suppression	4760	iii) High Vacuum AC make up	1660	iv) Misc. services (for firefighting etc.)	510	v) RO Reject	2220	vi) Clarifier blow down	1050		RO Second pass			i. DM Plant	2080		ii. Domestic (Plant)	50		Total	2,32,840	<p>Complying.</p> <p>The average daily seawater withdrawal was 1,73,606 KLD for April 2025 to September 2025 which is well within permissible limits.</p>														
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Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. No	Condition	Compliance
5.	The industry shall maintain separate digital water meters in the intake point of sea water (i.e. at sea coast) with totalizer facility unit wise to assess daily water consumption quantity instead of cumulative water consumptions.	Complying. Separate digital water meters with totalizer facility are provided for Cooling Tower make-up and Desalination system. Monthly totalizer readings are being captured jointly along with Port Conservator, Govt. of India in a separate log book.
6.	The industry shall maintain flow meter preferably Electro Magnetic Flow meters with totalizers for water and effluent quantity measurements for different streams of effluents and different categories of water usage stipulated in this order.	Complying. SEIL has provided separate flow meters with totalizers for quantity measurement: <ul style="list-style-type: none"> ✚ Cooling Tower Makeup ✚ Desalination water ✚ Cooling Tower blowdown ✚ RO Reject water ✚ ETP outlet ✚ STP outlet
7.	The industry shall provide leachate collection tank to collect the leachate from garland drain of ash pond.	Complying. The Ash Pond is provided with garland drains all around to collect leachates, if any. Separate Leachate collection tank connected to all the garland drains of Ash Pond. 



Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. No	Condition	Compliance						
8.	The industry shall maintain provision to collect the excess water from the ash pond into sea to control overflow of saline water from ash pond and to prevent irrigation tanks being polluted.	Complying. SEIL has ensured adequate provision at ash pond having an overflow lagoon connected to decantation well of both lagoons and the said water is recirculated back to ash handling system for reuse.						
<u>Air Pollution:</u>								
S. No	Condition	Compliance						
9.	<p>The emissions shall not contain constituents in excess of the prescribed limits mentioned below:</p> <table border="1"> <thead> <tr> <th>Chimney No</th><th>Parameter</th><th>Emission standards in mg/Nm³</th></tr> </thead> <tbody> <tr> <td>1 - 2</td><td>Particulate Matter</td><td>50</td></tr> </tbody> </table>	Chimney No	Parameter	Emission standards in mg/Nm ³	1 - 2	Particulate Matter	50	Complying. SEIL is complying with the Emission norms of Particulate Matter. Stack Emission Monitoring reports are attached as Annexure-II.
Chimney No	Parameter	Emission standards in mg/Nm ³						
1 - 2	Particulate Matter	50						
10.	<p>The industry shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10µm)- 100 µg/m³; PM_{2.5} (Particulate Matter size less than 2.5 µm)- 60 µg/m³; SO₂- 80 µg/m³; NO_x - 80 µg/m³, outside the factory premises at the periphery of the industry.</p> <p>Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.</p> <p>Noise Levels:</p> <p>Day time (6 AM to 10 PM)-75 dB (A)</p> <p>Night time (10 PM to 6 AM) - 70 dB (A)</p>	Complying. SEIL is complying with Ambient Air Quality parameters as prescribed in NAAQM Standards. Ambient Air Quality Monitoring reports and Noise Monitoring is conducted every quarter and reports of MoEF&CC approved third party consultant are attached as Annexure-III.						


Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. No	Condition	Compliance															
11.	<p>The emissions shall not contain constituents in excess of the prescribed limits mentioned below:</p> <table border="1"> <thead> <tr> <th>Chimney No</th><th>Parameter</th><th>Emission standards</th></tr> </thead> <tbody> <tr> <td>1&2</td><td>Particular Matter</td><td>50 mg/Nm³</td></tr> <tr> <td></td><td>Sulphur Dioxide</td><td>*200 mg/Nm³</td></tr> <tr> <td></td><td>Oxides of Nitrogen</td><td>*450 mg/Nm³</td></tr> <tr> <td></td><td>Mercury (Hg)</td><td>*0.03 mg/Nm³</td></tr> </tbody> </table> <p>*The industry shall meet the SO₂ emission standard of 200 mg/Nm³ by 31.12.2024, as per MoEF&CC, GoI notification GSR No. 243 (E), dt.31.03.2021.</p>	Chimney No	Parameter	Emission standards	1&2	Particular Matter	50 mg/Nm ³		Sulphur Dioxide	*200 mg/Nm ³		Oxides of Nitrogen	*450 mg/Nm ³		Mercury (Hg)	*0.03 mg/Nm ³	<p>SEIL is complying with the Emission norms of Particulate Matter, NO_x and Mercury as per applicable Notification.</p> <p>Stack Emission Monitoring Reports performed by MoEF&CC approved third Party consultant are attached as Annexure-II.</p> <p>SO_x emission is not applicable for SEIL Energy India limited plants.</p> <p>As per the latest gazette CG-DL-E-12072025-264545 dated 11-07-2025, SEIL plant falls under category C and thus exempted from installing the FGD.</p>
Chimney No	Parameter	Emission standards															
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12.	<p>The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.</p>	<p>Complying.</p> <p>SEIL is complying with the emission norms. DG stack Emissions is being monitored by MoEF&CC approved third party consultant every quarter and reports are attached as Annexure-VI.</p>															


Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. No	Condition	Compliance
13.	The industry shall maintain wind barriers/ wind breaking walls to the coal yards as temporary arrangement to control fugitive dust emissions on immediate surroundings.	<p>SEIL has provided wind barriers all around coal yard with 3-tier thick and tall Conocarpus trees. SEIL has transplanted adequate matured plants around coal yard as per directions given in Task force committee meeting held on 15.10.2015.</p>  <p>In addition, SEIL has installed adequate water sprinklers with water hydrant system in coal yard to mitigate fugitive emission.</p> 
14.	The industry shall regularly operate water sprinklers provided to control stock yard to mitigate fugitive dust on the surroundings from coal handling area.	<p>Complying.</p> <p>SEIL has installed adequate number of water sprinklers in coal yard to mitigate fugitive emission. Its water consumption is being submitted to APPCB on monthly basis.</p>

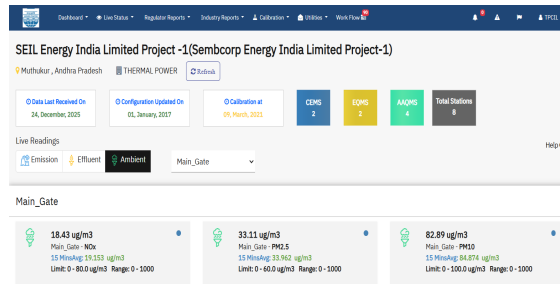

Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. No	Condition	Compliance
15.	The industry shall provide necessary air pollution control systems at coal transfer points in coal conveyer system from port boundary to industry premises within 3 months.	Complying. Entire coal transportation from port boundary to industry premises is through closed pipe conveyors. All the 9 coal transfer points and coal crusher are provided with Dry Fog Dust Suppression System (DFDS System)  DFDS Photo
16.	The industry shall upgrade the air pollution control systems at coal crusher within 3 months.	Complying. An improved Dry Fog Dust Suppression System (DFDS) has been provided.
17.	The industry shall provide separate energy meters along with totalizer facility for each ESP.	Complying. SEIL has provided separate energy meters to monitor ESP Power Consumption.
18.	The industry shall comply with the MoEF&CC Notification S.O. 3305(E), dated 07.12.2015 and S.O. 682 (E), dated 07.03.2016 as applicable and report compliance to RO: Nellore.	Not Applicable. As per the latest gazette CG-DL-E-12072025-264545 dated 11-07-2025, SEIL plant falls under category C and thus exempted from installing the FGD.
General:		
S. No	Condition	Compliance
19.	The industry shall handover the Original Consent Order dated 15.02.2016 to the RO: Nellore after receipt of this CFO order.	Complied.

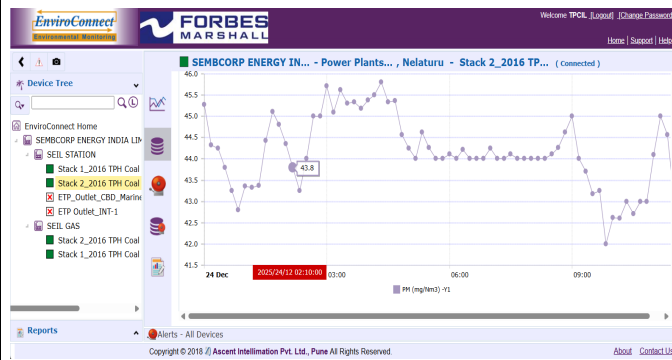
Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

20.	<p>The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:</p> <p>a. Daily production details (ER-1 Central Excise Returns).</p> <p>b. Quantity of Effluents generated, treated, recycled/ reused and disposed.</p> <p>c. Log Books for pollution control systems.</p> <p>d. Characteristics of effluents and emissions.</p> <p>e. Hazardous/Non-Hazardous solid waste generated and disposed.</p> <p>f. Inspection book.</p> <p>g. Manifest copies of hazardous.</p>	<p>Complying.</p> <p>All such applicable records are being regularly maintained.</p>												
21.	<p>The industry shall dispose solid waste (Non-Haz) as follows</p> <table><tr><th>S. No.</th><th>Name of the Solid Waste</th><th>Quantity</th><th>Disposal</th></tr><tr><td>1</td><td>Fly Ash</td><td>0.96 Million Tons/ Annum</td><td>To Cement / brick units</td></tr><tr><td>2</td><td>Bottom Ash</td><td>0.24 Million Tons/ Annum</td><td>To cement, brick manufacturing units. Unutilized bottom ash to ash pond in slurry mode</td></tr></table>	S. No.	Name of the Solid Waste	Quantity	Disposal	1	Fly Ash	0.96 Million Tons/ Annum	To Cement / brick units	2	Bottom Ash	0.24 Million Tons/ Annum	To cement, brick manufacturing units. Unutilized bottom ash to ash pond in slurry mode	<p>Complying.</p> <p>Fly ash is being collected in dry form and stored in silos of 3 x 2000 tonnes capacity for disposal to various users.</p>  <ul style="list-style-type: none">SEIL has achieved 100% fly ash utilization by September 2019.Efforts are on to sustain the 100% utilization of Fly Ash.Bottom ash is being sent to Brick Manufacturers at free of cost.
S. No.	Name of the Solid Waste	Quantity	Disposal											
1	Fly Ash	0.96 Million Tons/ Annum	To Cement / brick units											
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Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. No	Condition	Compliance
22.	The industry shall relocate the CAAQM station provided at sea intake point to suitable location in consultation with RO: Nellore.	Complied. SEIL has provided 4 No's of Continuous AAQM stations to cover both upwind and downwind directions for all the seasons. The said condition was omitted in the CFO amendment order No: APPCB/ VJA/ NLR/ 930/ HO/ CFO/ 2019 issued dated 13.07.2019.
23.	The industry shall operate CAAQM stations for monitoring SPM, SO ₂ , and NOx with recording facility and maintain connectivity to PCB server.	Complying. The Ambient Air Quality of the plant area is being continuously monitored by using 4 No's of Continuous Air Quality Monitoring CAAQMS Stations. The data is being uploaded to PCB server on real-time basis.  

Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. No	Condition	Compliance
24.	The industry shall install online effluent and stack monitoring systems for specified parameters as per CPCB directions dated 05.02.2014 & 02.03.2015 and maintain connectivity to APPCB/CPCB websites.	<p>Complying.</p> <p>SEIL has provided Online Stack Emission Monitoring system & Effluent Quality Monitoring system and same is connected with the APPCB/CPCB website.</p> 
25.	The industry shall carryout regular calibration for the on-line stack monitoring systems and CAAQM stations with tamper proof mechanism.	<p>Complying.</p> <p>Regular calibration of the CAAQMS system is being done.</p> <p>Also, the CEMS system is provided with online Remote calibration facility.</p>
26.	The industry shall dispose 100% of fly ash generated as per the Fly ash Notification.	<p>Complying.</p> <p>SEIL has attained 100% fly ash utilization by September 2019. SEIL is making all out efforts to sustain 100% utilization of fly ash and achieved the same. MoUs are signed with brick manufacturers, traders, NHAH Contractors and cement plants for ash utilization.</p> <p>Dedicated Fly Ash Management Cell has been formed to have focused efforts and approach towards 100% of fly ash utilization.</p>

Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. No	Condition	Compliance
27.	The industry shall develop the thick green belt in an area of 395 acres covering all along the periphery of the industry, coal stack yard and ash pond area.	<p>Complying.</p> <p>Around 460 acres of green belt developed inside the plant and along the periphery of boundary. Own Nursery has been developed inside the plant premises.</p>  
28.	The industry shall submit a copy of policy of Public Liability Insurance (PLI) duly indicating the amount contributed towards Environmental Relief Fund (ERF) to the RO once in six months.	<p>Complying.</p> <p>The renewal copies of PLI are submitted to APPCB Regional office on regular basis. (Policy Number: 4007/388642207/00/000 Policy Effective from 26/03/2025 to 25/03/2026) PLI Policy attached as Annexure-V</p>
29.	The industry shall comply with Board directions issued from time to time.	Noted.

Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. No	Condition	Compliance
30.	The industry shall comply with standards and directions issued by CPCB/MoEF&CC as and when notifications are issued.	Noted.
31.	The industry shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1 st of January and July of every year to the RO/ ZO.	Complying. SEIL Energy India Limited Project-1 has submitted the six-monthly CFO compliance report to APPCB vide letter No: SEIL P1/ APPCB/ BZA/2025/010 dated 20-06-2025.
SCHEDULE-C		
S. No	Condition	Compliance
1	The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.	Complying.
2.	The authorization shall be produced for inspection at the request of an officer authorized by the state Pollution Control Board.	Noted for Compliance.
3.	The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.	Noted.
4.	Any authorized change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorization.	Noted

Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. No	Condition	Compliance
5.	The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.	Complying. Onsite Emergency Management Plan is in place to meet any eventuality. Periodic mock drills are being conducted.
6.	The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposed of Hazardous Waste and Penalty".	Noted for Compliance.
7.	It is duty of the authorised person to take prior permission of the pollution Control Board to close down the facility.	Noted
8.	The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.	Noted. All the Hazardous Wastes generated are being disposed to authorized vendors through APEMC.
9.	An application for the renewal of an authorisation shall be made as laid down under these Rules.	Noted for Compliance.

Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. No	Condition	Compliance
10	Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.	Noted for Compliance.
11.	Annual returns shall be filed by June 30 th for the period ensuring 31 st March of the year.	Complying. SEIL Energy India Limited Project-1 has submitted the Hazardous Waste Annual returns in Form-4 to APPCB vide SEIL P1/APPCB/BZA/2025/007 dated 10-06-2025.
12.	The industry shall not store hazardous waste for more than 90 days as per the Hazardous Wastes (Management & Transboundary Movement) Rules, 2016.	Complying. Disposal of Hazardous wastes being done through APEMC Authorized Waste Receivers as per HWM rules.
13.	The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.	Complying. SEIL Energy India Limited Project-1 is storing the Used / Waste Oil and Used Lead Acid Batteries under a secured Hazardous Waste Storage shed and being disposed through APEMC to APPCB Authorized Receivers.

Order No. APPCB/VJA/NLR/930/HO/CFO/2016- Dated 16.11.2021.

S. No	Condition	Compliance
14.	The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concern Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.	<p>Complying.</p> <p>Hazardous wastes disposal is being done through APEMC online portal to authorized waste Receivers by following Manifest system as per HWM rules, 2016.</p> <p>Hazardous Waste Manifests are being submitted to RO, APPCB.</p> <p>TREM cards are being issued to transporters during transportation.</p>
15.	The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorisation in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 20(2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.	<p>Complying.</p> <p>SEIL Energy India Limited Project-1 is maintaining Hazardous waste records in Form-3.</p> <p>SEIL Energy India Limited Project-1 has submitted the Hazardous Waste Annual returns in Form- 4 to APPCB vide SEIL P1/APPCB/BZA/2025/007 dated 10-06-2025.</p>



SPECTRA ENVIROTECH PVT LTD

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

ANNEXURE-I

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: ETP OUTLET (Treated Effluent)

Date of Monitoring:20.05.2025

Sample Collected By: Ganesh

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

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	7.2
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	2100	432
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	200	35
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	250	48
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	100	27
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0

Note: IS- Indian Standard

K.S.Laj
Verified by



P. Suresh W.
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

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: ETP OUTLET (Treated Effluent)

Date of Monitoring: 26.08.2025

Sample Collected By: Ganesh

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

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	8.4
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	2100	461
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	200	54
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	250	61
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	100	42
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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Marine Outfall Water

Date of Sampling: 20.05.2025

Sample Collected By: Ganesh

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date: 27.05.2025

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	22.8
3	Temperature Out Fall	--	°C		24.5
4	Electric Conductivity	IS: 3025:1964	µs/cm	--	26,701
5	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	--	19420
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	102
8	Biochemical Oxygen Demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	100	70
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	--	4,265
11	Total Alkalinity as CaCO ₃	IS:3025(Part-23)-2012	mg/l	--	790
12	P- Alkalinity as CaCO ₃	IS:3025(Part-13)-1964	mg/l	--	Nil
13	Turbidity	IS:3025(Part-10)-2012	NTU	--	33.5
14	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	--	1,641
15	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	--	286
16	Sodium as Na	IS:3025(Part-45)1993	mg/l	--	685

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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	--	7,506
19	Sulphates as SO ₄	IS:3025(Part-24)-2012	mg/l	--	764
20	Nitrates as NO ₃	IS:3025(Part-34)-2012	mg/l	--	42.3
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	--	461
23	Iron as Fe	IS:3025(Part-53)-2012	mg/l	--	2.7
24	Fluoride as F	IS:3025(Part-60)-2012	mg/l	--	1.6
25	Copper as Cu	IS:3025(Part-42)-2012	mg/l	--	0.84
26	Manganese as Mn	IS:3025(Part-59)-2012	mg/l	--	0.65
27	Phenolic Compounds as C ₆ H ₅ OH	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	--	0.008
37	Silica as SiO ₂	IS:3025(Part-35)-2019	mg/l	--	30.6

Note: IS- Indian Standard

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Marine Outfall Water

Date of Sampling:20.05.2025

Sample Collected By: Ganesh

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

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 4.8cm 2.Weight 3.9 gm	1.Fish were not fed <u>Yes</u> 2. Temperature range in aquarium 25°C

REFERENCE TEST DATA

START DATE:21.05.2025

END DATE:27.05.2025

COMMENTS:

The test species was undergone toxicity for about 96 Hrs.
RESULT: 98%survival of fish was noticed

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

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Praveesh W.
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SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Marine Outfall Water

Date of Sampling: 26.08.2025

Sample Collected By: Ganesh

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

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	6.9
2	Temperature Intake	--	°C	Shall not exceed 5°C above the Receiving temperature	23.1
3	Temperature Out Fall	--	°C		26.3
4	Electric Conductivity	IS: 3025:1964	µs/cm	--	27,672
5	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	--	18598
6	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	100	95
7	Chemical Oxygen Demand	IS:3025(Part-58)-2006	mg/l	250	84
8	Biochemical Oxygen Demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	100	76
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	--	4,401
11	Total Alkalinity as CaCO ₃	IS:3025(Part-23)-2012	mg/l	--	800
12	P- Alkalinity as CaCO ₃	IS:3025(Part-13)-1964	mg/l	--	Nil
13	Turbidity	IS:3025(Part-10)-2012	NTU	--	34.9
14	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	--	1,581
15	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	--	282
16	Sodium as Na	IS:3025(Part-45)1993	mg/l	--	691

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S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
17	Potassium as K	IS:3025(Part-45)-1993	mg/l	--	263
18	Chloride as Cl	IS:3025(Part-32)-2012	mg/l	--	7,460
19	Sulphates as SO ₄	IS:3025(Part-24)-2012	mg/l	--	774
20	Nitrates as NO ₃	IS:3025(Part-34)-2012	mg/l	--	46.7
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	--	491
23	Iron as Fe	IS:3025(Part-53)-2012	mg/l	--	2.4
24	Fluoride as F	IS:3025(Part-60)-2012	mg/l	--	1.9
25	Copper as Cu	IS:3025(Part-42)-2012	mg/l	--	0.88
26	Manganese as Mn	IS:3025(Part-59)-2012	mg/l	--	0.96
27	Phenolic Compounds as C ₆ H ₅ OH	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	--	0.61
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	--	31.0

Note: IS- Indian Standard

K.S.Lg
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TEST REPORT

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Discipline: Chemical

Group: Water

Product: Marine Outfall Water

Date of Sampling: 26.08.2025

Sample Collected By: Ganesh

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

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 4.7 cm 2.Weight 4.2 gm	1. Fish were not fed <u>Yes</u> 2. Temperature range in aquarium 28°C

REFERENCE TEST DATA

START DATE: 28.08.2025

END DATE: 02.09.2025

COMMENTS:

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

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

K.S.Laj
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Managing Director

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Discipline: Chemical

Group: Water

Product: STP OUTLET

Date of Monitoring:20.05.2025

Sample Collected By: Ganesh

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

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	7.3
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	<2100	142
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	<200	59
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	<250	72
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	<100	24
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	<10	<1.0

Note: IS-Indian Standard

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Sample Collected By: Ganesh

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

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	8.0
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	<2100	181
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	<200	64
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	44
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	<10	<1.0

Note: IS-Indian Standard

K.S.Lg
Verified by



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

ANNEXURE-II

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(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:20.05.2025

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0001

TEST RESULT

1. Time of Sampling ---- :10:20 Hrs. to 11:15 Hrs.
2. Time Duration :00:55 Hrs.
3. Ambient Temperature (°C) : 33.7
4. Flue gas Temperature (°C) : 146
5. Velocity of the flue gas (m/sec) :25.16
6. C/s area of the duct (m³) :34.22
7. Stack Diameter (m) : 6.5
8. Flue gas Flow Rate (Nm³/Hr): 3099510.72

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm ³	<50	42.3
2.	Sulphur Dioxide (SO ₂)	IS 11255 (part-2)1985	mg/Nm ³	-	682
3.	Oxides of Nitrogen (NO _x)	IS 11255 (part-7)1985	mg/Nm ³	450	276
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.7
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 / SI No : Sem-150/220206
Calibration Due : 27.02.2026

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(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:20.05.2025

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0002

TEST RESULT

1. Time of Sampling ---- : 11:40 Hrs. to 12:35 Hrs.
2. Time Duration : 00:55 Hrs.
3. Ambient Temperature (°C) : 33.5
4. Flue gas Temperature (°C) : 147
5. Velocity of the flue gas (m/sec) : 25.34
6. C/s area of the duct (m³) : 33.20
7. Stack Diameter (m) : 6.5
8. Flue gas Flow Rate(Nm³/Hr) : 3021338.88

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm ³	<50	37.6
2.	Sulphur Dioxide (SO ₂)	IS 11255 (part-2)1985	mg/Nm ³	-	852
3.	Oxides of Nitrogen (NO _x)	IS 11255 (part-7)1985	mg/Nm ³	450	306
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	<0.01

Instrument Details:

Instrument : Stack Monitoring Kit
Make : Sree Scientific Equipment
Model / SI No : Sem-150/220206
Calibration Due : 27.02.2026

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (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: 26.08.2025

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

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

TEST RESULT

1. Time of Sampling ---- : 10:10 Hrs. to 11:05 Hrs.
2. Time Duration : 00:55 Hrs.
3. Ambient Temperature (°C) : 32.6
4. Flue gas Temperature (°C) : 151
5. Velocity of the flue gas (m/sec) : 25.35
6. C/s area of the duct (m³) : 33.20
7. Stack Diameter (m) : 6.5
8. Flue gas Flow Rate (Nm³/Hr): 3029832.0

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm ³	<50	38.4
2.	Sulphur Dioxide (SO ₂)	IS 11255 (part-2)1985	mg/Nm ³	-	791
3.	Oxides of Nitrogen (NO _x)	IS 11255 (part-7)1985	mg/Nm ³	450	237
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 / SI No : Sem-150/220206
Calibration Due : 27.02.2026

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (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: 26.08.2025

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0002

TEST RESULT

1. Time of Sampling ---- : 11:20 Hrs. to 12:15 Hrs.
2. Time Duration : 00:55 Hrs.
3. Ambient Temperature (°C) : 35.4
4. Flue gas Temperature (°C) : 153
5. Velocity of the flue gas (m/sec) : 25.51
6. C/s area of the duct (m³) : 33.20
7. Stack Diameter (m) : 6.5
8. Flue gas Flow Rate (Nm³/Hr) : 3048955.2

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm ³	<50	36.2
2.	Sulphur Dioxide (SO ₂)	IS 11255 (part-2)1985	mg/Nm ³	-	891
3.	Oxides of Nitrogen (NO _x)	IS 11255 (part-7)1985	mg/Nm ³	450	283
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 / SI No : Sem-150/220206
Calibration Due : 27.02.2026

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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

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ANNEXURE-III

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram/ Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – APRIL 2025

Location-1: Fire Station (Plant)

Sample Registration Date: 30.04.2025

Issue Date: 07.05.2025

Lab Ref: SEPL/ES/SEILEILP/04-25/0001

Sample collected person details: S.Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
07.04.2025	43.6	10.7	21.6	10.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.04.2025	38.7	15.6	19.8	20.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.04.2025	39.2	31.1	12.6	15.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.04.2025	44.6	30.2	11.5	16.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.04.2025	28.7	24.6	19.6	19.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.04.2025	49.2	19.8	20.7	10.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.04.2025	44.7	19.7	11.2	20.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.04.2025	42.6	21.3	20.4	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	28.7	10.7	11.2	10.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	49.2	31.1	21.6	20.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	41.4	21.6	17.2	16.0	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	48.6	31.0	21.5	20.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APM-460 NL/381-DTG-2007
Make : Envirotech
Calibration Due: 28.02.2026

K.S.Lag
Verified by



Bharath K.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – APRIL 2025

Location-2: Pattapupalem village

Sample Registration Date: 30.04.2025

Issue Date: 07.05.2025

Lab Ref: SEPL/ES/SEILEILP/04-25/0002

Sample collected person details: S.Ganesh

TESTRESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
07.04.2025	41.6	25.8	19.8	16.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.04.2025	38.7	18.7	8.6	21.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.04.2025	45.6	31.4	23.8	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.04.2025	42.8	38.9	21.4	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.04.2025	32.5	25.8	19.7	19.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.04.2025	49.2	18.7	17.8	10.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.04.2025	35.6	15.7	21.5	20.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.04.2025	39.2	41.5	12.4	8.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	32.5	15.7	8.6	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	49.2	41.5	23.8	21.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.7	27.1	18.1	21.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	48.7	41.1	23.5	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220831
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQM-60/220518
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S.Lag
Verified by



Bharath K.
Authorized by
Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – APRIL 2025

Location-3: Painampuram Village

Sample Registration Date: 30.04.2025

Issue Date: 07.05.2025

Lab Ref: SEPL/ES/SEILEILP/04-25/0003

Sample collected person details: S.Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
07.04.2025	49.7	39.6	13.1	19.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.04.2025	53.1	19.2	11.2	20.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.04.2025	38.5	28.7	16.8	15.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.04.2025	51.9	35.2	15	9.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.04.2025	48.6	32.5	10.9	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.04.2025	40.2	32.6	19.1	20.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.04.2025	52.7	30.4	12.6	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.04.2025	39.1	29.8	15.5	19.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	38.5	19.2	10.9	9.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	53.1	39.6	19.1	20.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	46.7	31.0	14.3	16.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	53.0	39.0	18.8	20.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ 510 / 220732
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APM-460 NL/503-DTG-2008
Make : Envirotech
Calibration Due: 28.02.2026

K.S.Laj
Verified by



Bharath K.
Authorized by
Managing Director

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1
(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – APRIL 2025

Location-4: Nelaturu Village

Sample Registration Date: 30.04.2025

Issue Date: 07.05.2025

Lab Ref: SEPL/ES/SEILEILP/04-25/0004

Sample collected person details: S.Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
07.04.2025	30.5	19.6	15.8	20.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.04.2025	43.6	41.7	16.9	19.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.04.2025	38.9	25.8	18.7	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.04.2025	36.6	38.5	20.4	15.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.04.2025	42.1	29.7	15.5	11.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.04.2025	34.6	40.8	13.4	10.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.04.2025	28.4	35.8	22.8	14.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.04.2025	49.7	22.2	11.7	12.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	28.4	19.6	11.7	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	49.7	41.7	22.8	20.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	38.1	31.8	16.9	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	48.8	41.6	22.5	20.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAM-510 /1593 DTF2015
Make : Enviro tech
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APQ-600 NL/220517
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S.Lag
Verified by



Bharath K.
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

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SUMMARY OF AMBIENT AIR QUALITY- APRIL 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Pattapupalem Village-2	Painampuram Village-3	Nelaturu Village-4
PM ₁₀	Minimum	$\mu\text{g}/\text{m}^3$	28.7	32.5	38.5	28.4
	Maximum		49.2	49.2	53.1	49.7
	Average		41.4	40.7	46.7	38.1
	98 Percentile		48.6	48.7	53.0	48.8
PM _{2.5}	Minimum		10.7	15.7	19.2	19.6
	Maximum		31.1	41.5	39.6	41.7
	Average		22.3	27.1	31.0	31.8
	98 Percentile		31.0	41.1	39.0	41.6
SO ₂	Minimum		11.2	8.6	10.9	11.7
	Maximum		21.6	23.8	19.1	22.8
	Average		17.2	18.1	14.3	16.9
	98 Percentile		21.5	23.5	18.8	22.5
NO _x	Minimum		10.6	7.9	9.7	8.7
	Maximum		20.7	21.4	20.4	20.9
	Average		16.0	21.3	16.1	14.3
	98 Percentile		20.6	13.5	20.4	20.7

K.S.Laj
Verified by



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Managing Director

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

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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-1
(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram/ Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – MAY 2025

Location-1: Fire Station (Plant)

Sample Registration Date: 28.05.2025

Issue Date: 03.06.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0001

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
05.05.2025	39.2	19.8	17.7	9.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.05.2025	42.5	31.2	20.9	18.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.05.2025	47.6	14.4	15.5	16.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.05.2025	43.3	19.9	21.1	11.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.05.2025	36.1	36.5	18.8	17.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.05.2025	38.7	27.7	14.6	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.05.2025	32.8	18.3	10.7	11.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.05.2025	45.4	25.5	14.9	15.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	32.8	14.4	10.7	9.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.6	36.5	21.1	18.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.7	24.2	16.8	14.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.3	35.8	21.1	18.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APM-460 NL/381-DTG-2007
Make : Envirotech
Calibration Due: 28.02.2026

K.S. Jay
Verified by



Bharath K.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – MAY 2025

Location-2: Pattapupalem village

Sample Registration Date: 28.05.2025

Issue Date: 03.06.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0002

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
05.05.2025	44.6	29.6	15.9	6.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.05.2025	49.3	25.2	22.5	19.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.05.2025	34.4	30.2	12.5	13.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.05.2025	41.9	23.5	11.1	17.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.05.2025	39.5	33.8	16.4	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.05.2025	47.1	26.4	18.8	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.05.2025	36.2	17.7	23.7	12.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.05.2025	38.8	22.3	21.3	15.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	30.4	17.7	11.1	6.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	49.3	33.8	23.7	19.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	41.0	26.1	17.8	19.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	49.0	33.3	23.5	19.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220831
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQM-60/220518
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S. Jay
Verified by



Bharath K.
Authorized by
Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – MAY 2025

Location-3: Painampuram Village

Sample Registration Date: 28.05.2025

Issue Date: 03.06.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0003

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
05.05.2025	47.3	29.7	9.9	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.05.2025	52.6	22.5	19.7	24.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.05.2025	43.4	32.1	17.8	23.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.05.2025	49.9	23.6	15.4	21.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.05.2025	41.5	23.2	12.5	19.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.05.2025	54.7	29.9	19.9	13.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.05.2025	43.3	36.1	16.2	17.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.05.2025	45.4	28.7	20.1	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	41.5	22.5	9.9	13.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	54.7	36.1	20.1	24.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	47.3	28.2	16.4	19.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	54.4	35.5	20.1	24.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ 510 / 220732
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APM-460 NL/503-DTG-2008
Make : Envirotech
Calibration Due: 28.02.2026

K.S. Jay
Verified by



Bharath K.
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Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – MAY 2025

Location-4: Nelaturu Village

Sample Registration Date: 28.05.2025

Issue Date: 03.06.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0004

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
05.05.2025	37.1	35.6	21.1	16.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.05.2025	46.5	28.8	13.6	15.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.05.2025	35.9	22.4	9.8	20.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.05.2025	38.2	34.2	20.4	14.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.05.2025	42.2	29.7	22.5	11.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.05.2025	41.4	34.7	20.6	19.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.05.2025	45.3	33.3	19.8	16.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.05.2025	39.7	23.5	16.3	13.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	35.9	22.4	9.8	11.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.5	35.6	22.5	20.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.8	30.3	18.0	16.0	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.3	35.5	22.3	20.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAM-510 /1593 DTF2015
Make : Enviro tech
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APQ-600 NL/220517
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S. Jay
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Bharath K.
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Managing Director

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

SUMMARY OF AMBIENT AIR QUALITY- MAY 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Pattapupalem Village-2	Painampuram Village-3	Nelaturu Village-4
PM ₁₀	Minimum	$\mu\text{g}/\text{m}^3$	32.8	30.4	41.5	35.9
	Maximum		47.6	49.3	54.7	46.5
	Average		40.7	41.0	47.3	40.8
	98 Percentile		47.3	49.0	54.4	46.3
PM _{2.5}	Minimum		14.4	17.7	22.5	22.4
	Maximum		36.5	33.8	36.1	35.6
	Average		24.2	26.1	28.2	30.3
	98 Percentile		35.8	33.3	35.5	35.5
SO ₂	Minimum		10.7	11.1	9.9	9.8
	Maximum		21.1	23.7	20.1	22.5
	Average		16.8	17.8	16.4	18.0
	98 Percentile		21.1	23.5	20.1	22.3
NO _x	Minimum		9.2	6.8	13.4	11.8
	Maximum		18.8	19.7	24.4	20.9
	Average		14.4	19.3	19.2	16.0
	98 Percentile		18.6	19.3	24.3	20.7

K.S.Laj
Verified by



Bharath K.
Authorized by
Managing Director

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

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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-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram/ Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JUNE 2025

Location-1: Fire Station (Plant)

Sample Registration Date: 27.06.2025

Issue Date: 30.06.2025

Lab Ref: SEPL/ES/SEILEILP/06-25/0001

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
02.06.2025	38.6	18.9	16.2	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
03.06.2025	43.3	32.5	20.5	16.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.06.2025	45.2	16.7	17.5	15.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.06.2025	44.1	15.3	19.9	12.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.06.2025	35.8	37.8	19.4	16.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.06.2025	37.1	28.9	15.2	14.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.06.2025	30.4	19.1	16.7	10.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.06.2025	42.7	26.4	15.9	17.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	30.4	15.3	15.2	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	45.2	37.8	20.5	17.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	39.7	24.5	17.7	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	45.0	37.1	20.4	17.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APM-460 NL/381-DTG-2007
Make : Envirotech
Calibration Due: 28.02.2026

K.S. Jay
Verified by



Bharath K.
Authorized by
Managing Director

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

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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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JUNE 2025

Location-2: Pattapupalem village

Sample Registration Date: 27.06.2025

Issue Date: 30.06.2025

Lab Ref: SEPL/ES/SEILEILP/06-25/0002

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
02.06.2025	45.3	31.4	15.9	6.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
03.06.2025	48.7	26.3	22.5	19.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.06.2025	31.2	28.4	12.5	13.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.06.2025	40.6	24.6	11.1	17.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.06.2025	38.5	24.7	16.4	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.06.2025	46.4	27.8	18.8	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.06.2025	37.8	16.2	23.7	12.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.06.2025	39.9	25.9	21.3	15.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	31.2	16.2	11.1	6.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	48.7	31.4	23.7	19.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	41.1	25.7	17.8	19.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	48.4	31.0	23.5	19.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220831
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQM-60/220518
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S. Jay
Verified by



Bharath K.
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





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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JUNE 2025

Location-3: Painampuram Village

Sample Registration Date: 27.06.2025

Issue Date: 30.06.2025

Lab Ref: SEPL/ES/SEILEILP/06-25/0003

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
02.06.2025	48.4	30.4	11.3	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
03.06.2025	51.3	21.5	19.6	22.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.06.2025	42.1	33.6	18.5	26.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.06.2025	50.6	24.6	10.9	20.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.06.2025	40.5	25.7	22.7	21.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.06.2025	53.2	31.4	21.4	14.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.06.2025	42.6	37.9	16.5	19.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.06.2025	44.7	29.8	23.4	24.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	40.5	21.5	10.9	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	53.2	37.9	23.4	26.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	46.7	29.4	18.0	20.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	52.9	37.3	23.3	26.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ 510 / 220732
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APM-460 NL/503-DTG-2008
Make : Envirotech
Calibration Due: 28.02.2026

K.S.Laj
Verified by



Bharath K.
Authorized by
Managing Director

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

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Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JUNE 2025

Location-4: Nelaturu Village

Sample Registration Date: 27.06.2025

Issue Date: 30.06.2025

Lab Ref: SEPL/ES/SEILEILP/06-25/0004

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
02.06.2025	36.4	36.4	22.6	17.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
03.06.2025	47.6	25.6	14.2	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.06.2025	34.2	26.3	15.4	21.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.06.2025	39.7	32.7	13.7	15.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.06.2025	43.5	28.7	23.9	13.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.06.2025	40.2	35.8	21.5	22.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.06.2025	44.1	31.1	20.8	12.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.06.2025	38.3	22.5	17.1	14.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	34.2	22.5	13.7	12.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.6	36.4	23.9	22.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.5	29.9	18.7	16.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.1	36.3	23.7	22.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAM-510 /1593 DTF2015
Make : Enviro tech
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APQ-600 NL/220517
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S. Jay
Verified by



Bharath K.
Authorized by
Managing Director

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

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SUMMARY OF AMBIENT AIR QUALITY- JUNE 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Pattapupalem Village-2	Painampuram Village-3	Nelaturu Village-4
PM ₁₀	Minimum	$\mu\text{g}/\text{m}^3$	30.4	31.2	40.5	34.2
	Maximum		45.2	48.7	53.2	47.6
	Average		39.7	41.1	46.7	40.5
	98 Percentile		45.0	48.4	52.9	47.1
PM _{2.5}	Minimum		15.3	16.2	21.5	22.5
	Maximum		37.8	31.4	37.9	36.4
	Average		24.5	25.7	29.4	29.9
	98 Percentile		37.1	31.0	37.3	36.3
SO ₂	Minimum		15.2	11.1	10.9	13.7
	Maximum		20.5	23.7	23.4	23.9
	Average		17.7	17.8	18.0	18.7
	98 Percentile		20.4	23.5	23.3	23.7
NO _x	Minimum		10.1	6.8	13.5	12.2
	Maximum		17.6	19.7	26.9	22.6
	Average		14.3	19.3	20.4	16.7
	98 Percentile		17.5	19.3	26.5	22.4

K.S.Laj
Verified by



Bharath K.
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Managing Director

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

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TEST REPORT

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(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram/ Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JULY 2025

Location-1: Fire Station (Plant)

Sample Registration Date: 31.07.2025

Issue Date: 03.08.2025

Lab Ref: SEPL/ES/SEILEILP/07-25/0001

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
01.07.2025	39.2	19.7	17.1	11.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.07.2025	44.5	33.3	21.8	17.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.07.2025	46.3	17.4	18.2	16.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.07.2025	43.1	16.8	20.3	13.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.07.2025	36.7	38.9	18.7	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.07.2025	38.4	29.6	14.6	15.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.07.2025	31.6	20.1	15.9	12.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.07.2025	40	27.7	16.7	14.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.07.2025	37.8	31.2	19.7	19.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.07.2025	35.9	34.4	13.9	11.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	31.6	16.8	13.9	11.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.3	38.9	21.8	19.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	39.4	26.9	17.7	14.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.0	38.1	21.6	17.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler

Model/SI NO : AAQ510 / 220830

Make : SSE (Shree Scientific Equipment)

Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler

Model/SI NO : APM-460 NL/381-DTG-2007

Make : Envirotech

Calibration Due: 28.02.2026

K.S. Lag
Verified by



Bharath K.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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

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Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JULY 2025

Location-2: Pattapupalem village

Sample Registration Date: 31.07.2025

Issue Date: 03.08.2025

Lab Ref: SEPL/ES/SEILEILP/07-25/0002

Sample collected person details: S. Ganesh

TESTRESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
01.07.2025	46.4	32.2	16.2	10.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.07.2025	49.1	27.8	23.7	20.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.07.2025	32.3	29.1	13.3	12.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.07.2025	41.5	25.6	10.2	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.07.2025	39.7	26.7	17.5	17.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.07.2025	47.8	29.3	19.8	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.07.2025	36.4	17.4	24.6	13.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.07.2025	40.1	23.7	22.7	16.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.07.2025	35.7	28.5	25.9	18.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.07.2025	36.8	30.4	15.3	21.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	32.3	17.4	10.2	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	49.1	32.2	25.9	21.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.6	27.1	18.9	20.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	48.9	31.8	24.5	20.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sample
Model/SI NO : AAQ510 / 220831
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQM-60/220518
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S. Lag
Verified by



Bharath K.
Authorized by
Managing Director

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

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Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JULY 2025

Location-3: Painampuram Village

Sample Registration Date: 31.07.2025

Issue Date: 03.08.2025

Lab Ref: SEPL/ES/SEILEILP/07.25/0003

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
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02.07.2025	50.7	22.5	20.6	23.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
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15.07.2025	54.8	32.7	22.7	15.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.07.2025	41.9	36.8	17.8	20.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.07.2025	45.7	30.2	24.6	25.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.07.2025	42.2	31.4	25.8	22.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.07.2025	44.3	33.6	28.6	23.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	41.7	22.5	11.5	14.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	54.8	36.8	28.6	27.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	46.5	30.5	20.7	21.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	54.4	36.4	24.4	27.0	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220732
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APM-460 NL/503-DTG-2008
Make : Envirotech
Calibration Due : 28.02.2026

K.S. Jay
Verified by



Bharath K.
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





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-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JULY 2025

Location-4: Nelaturu Village

Sample Registration Date: 31.07.2025

Issue Date: 03.08.2025

Lab Ref: SEPL/ES/SEILEILP/07.25/0004

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
01.07.2025	37.2	38.4	22.7	18.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.07.2025	48.3	25.5	15.3	17.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.07.2025	32.7	28.1	16.1	22.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.07.2025	40.1	34.2	14.2	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.07.2025	44.4	30.1	24.4	14.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.07.2025	41.3	37.8	22.6	23.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.07.2025	45.6	33.6	21.7	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.07.2025	39.1	23.7	18.6	15.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.07.2025	36.7	27.9	20.2	17.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.07.2025	35.8	29.8	23.6	21.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	32.7	23.7	14.2	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	48.3	38.4	24.4	23.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.1	30.9	19.9	18.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.9	38.3	24.2	23.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAM-510 /1593 DTF2015
Make : Enviro tech
Calibration Due : 28.02.2025

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APQ-600 NL/220517
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S.Lag
Verified by



Bharath K.
Authorized by
Managing Director

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

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SUMMARY OF AMBIENT AIR QUALITY- JULY 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Pattapupalem Village-2	Painampuram Village-3	Nelaturu Village-4
PM ₁₀	Minimum	$\mu\text{g}/\text{m}^3$	37.8	36.4	41.7	32.7
	Maximum		35.9	40.1	54.8	40.1
	Average		31.6	35.7	41.9	44.4
	98 Percentile		46.3	36.8	45.7	41.3
PM _{2.5}	Minimum		31.2	17.4	26.9	28.1
	Maximum		34.4	23.7	32.7	34.2
	Average		16.8	28.5	36.8	30.1
	98 Percentile		38.9	30.4	30.2	37.8
SO ₂	Minimum		19.7	24.6	23.5	16.1
	Maximum		13.9	22.7	22.7	14.2
	Average		13.9	25.9	17.8	24.4
	98 Percentile		21.8	15.3	24.6	22.6
NO _x	Minimum		19.7	13.7	22.1	22.6
	Maximum		11.5	16.9	15.9	16.8
	Average		11.3	18.4	20.7	14.2
	98 Percentile		19.7	21.2	25.4	23.3

K.S.Laj
Verified by



Bharath K.
Authorized by
Managing Director

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-1
(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram/ Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – AUGUST 2025

Location-1: Fire Station (Plant)

Sample Registration Date: 27.08.2025

Issue Date: 02.09.2025

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

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
04.08.2025	37.5	17.3	15.2	9.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
05.08.2025	42.1	31.6	21.5	17.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.08.2025	44.6	17.8	18.3	16.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.08.2025	43.2	16	20.1	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.08.2025	36.7	38.1	18.6	17.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.08.2025	38.4	29.4	16.7	18.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.08.2025	31.1	20.1	17.9	11.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.08.2025	41.8	27.5	14.4	16.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	31.1	16.0	14.4	9.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	44.6	38.1	21.5	18.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	39.4	24.7	17.8	15.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	44.4	37.2	21.3	18.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APM-460 NL/381-DTG-2007
Make : Envirotech
Calibration Due: 28.02.2026

K.S. Jay
Verified by



Bharath K.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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

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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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – AUGUST 2025

Location-2: Pattapupalem village

Sample Registration Date: 27.08.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0002

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
04.08.2025	44.1	32.4	16.3	8.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
05.08.2025	47.6	27.3	21.2	18.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.08.2025	32.5	26.8	13.7	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.08.2025	41.7	25.2	12.1	16.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.08.2025	39.4	23.3	17.4	19.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.08.2025	45.2	28.7	19.6	8.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.08.2025	36.8	17.6	23.5	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.08.2025	40.2	26.3	24.4	16.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	32.5	17.6	12.1	8.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.6	32.4	24.4	19.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.9	26.0	18.5	19.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.3	31.9	24.3	19.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220831
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQM-60/220518
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S. Jay
Verified by



Bharath K.
Authorized by
Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – AUGUST 2025

Location-3: Painampuram Village

Sample Registration Date: 27.08.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0003

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
04.08.2025	47.3	31.2	10.5	17	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
05.08.2025	50.2	22.6	20.1	21.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.08.2025	41.5	35.7	19.4	23.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.08.2025	51.6	25.8	11.6	17.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.08.2025	41.8	26.4	23.3	24.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.08.2025	52.7	33.6	22.7	15.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.08.2025	41	34.1	17.5	20.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.08.2025	43.3	29.8	24.8	23.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	41.0	22.6	10.5	15.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	52.7	35.7	24.8	24.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	46.2	29.9	18.7	20.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	52.5	35.5	24.6	24.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ 510 / 220732
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APM-460 NL/503-DTG-2008
Make : Envirotech
Calibration Due: 28.02.2026

K.S. Jay
Verified by



Bharath K.
Authorized by
Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – AUGUST 2025

Location-4: Nelaturu Village

Sample Registration Date: 27.08.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0004

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
04.08.2025	35.2	35.7	23.4	18.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
05.08.2025	48.6	26.4	15.8	17.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.08.2025	33.3	25.1	16.9	20.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.08.2025	38.1	31.8	14.2	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.08.2025	42.7	27.6	24.1	12.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.08.2025	39.5	34.7	22.2	24.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.08.2025	43.8	30.4	21.3	11.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.08.2025	40.1	21.9	18.7	15.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	33.3	21.9	14.2	11.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	48.6	35.7	24.1	24.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.2	29.2	19.6	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.9	35.6	24.0	23.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAM-510 /1593 DTF2015
Make : Enviro tech
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APQ-600 NL/220517
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S. Jay
Verified by



Bharath K.
Authorized by
Managing Director

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

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

SUMMARY OF AMBIENT AIR QUALITY- AUGUST 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Pattapupalem Village-2	Painampuram Village-3	Nelaturu Village-4
PM ₁₀	Minimum	$\mu\text{g}/\text{m}^3$	31.1	32.5	41.0	33.3
	Maximum		44.6	47.6	52.7	48.6
	Average		39.4	40.9	46.2	40.2
	98 Percentile		44.4	47.3	52.5	47.9
PM _{2.5}	Minimum		16	17.6	22.6	21.9
	Maximum		38.1	32.4	35.7	35.7
	Average		24.7	26.0	29.9	29.2
	98 Percentile		37.2	31.9	35.5	35.6
SO ₂	Minimum		14.4	12.1	10.5	14.2
	Maximum		21.5	24.4	24.8	24.1
	Average		17.8	18.5	18.7	19.6
	98 Percentile		21.3	24.3	24.6	24.0
NO _x	Minimum		9.7	8.1	15.5	11.3
	Maximum		18.9	19.7	24.5	24.5
	Average		15.2	19.5	20.5	16.8
	98 Percentile		18.7	19.5	24.4	23.9

K.S.Laj
Verified by



Bharath K.
Authorized by
Managing Director

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

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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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram/ Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – SEPTEMBER 2025

Location-1: Fire Station (Plant)

Sample Registration Date: 01.10.2025

Issue Date: 07.10.2025

Lab Ref: SEPL/ES/SEILEILP/09-25/0001

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
01.09.2025	38.7	20.3	16.4	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.09.2025	43.5	34.8	22.8	16.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.09.2025	45.9	18.4	19.1	15.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.09.2025	44.6	17.7	21.5	14.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.09.2025	37.1	39.5	19.7	17.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.09.2025	39.2	30.3	15.4	16.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.09.2025	32.3	21.7	14.6	13.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.09.2025	41.1	26.2	17.7	15.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.09.2025	36.8	30.9	20.1	20.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.09.2025	34.9	35.7	13.1	12.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	32.3	17.7	13.1	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	45.9	39.5	22.8	20.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	39.4	27.6	18.0	15.0	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	45.7	38.8	22.6	17.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APM-460 NL/381-DTG-2007
Make : Envirotech
Calibration Due: 28.02.2026

K.S. Jay
Verified by



Bharath K.
Authorized by
Amend. No. 008/00
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

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – SEPTEMBER 2025

Location-2: Pattapupalem Village

Sample Registration Date: 01.10.2025

Issue Date: 07.10.2025

Lab Ref: SEPL/ES/SEILEILP/09-25/0002

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
01.09.2025	45.1	33.1	17.5	11.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.09.2025	48.2	28.7	24.8	21.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.09.2025	33.5	30.5	14.4	13.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.09.2025	40.7	26.7	11.6	17.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.09.2025	38.6	27.4	18.9	18.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.09.2025	45.4	31.4	20.7	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.09.2025	37.8	18.5	25.1	14.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.09.2025	42.2	24.1	23.8	17.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.09.2025	36.1	29.7	26	19.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.09.2025	35.5	31.7	16.6	22.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	33.5	18.5	11.6	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	48.2	33.1	26.0	22.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.3	28.2	19.9	21.0	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.8	32.9	25.1	21.0	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220831
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQM-60/220518
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S. Jay
Verified by



B. Ganesh K.
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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Environmental, Micro Biology, Analytical Testings & RO, ETP, STP's Engineering

TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – SEPTEMBER 2025

Location-3: Painampuram Village

Sample Registration Date: 01.10.2025

Issue Date: 07.10.2025

Lab Ref: SEPL/ES/SEILEILP/09-25/0003

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
01.09.2025	50.1	32	11.4	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.09.2025	49.8	23.4	19.5	24.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.09.2025	44.5	35.7	20.4	28.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.09.2025	52.3	26.5	12.8	22.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.09.2025	42.9	25.7	24.6	23.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.09.2025	53.1	31.4	21.1	16.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.09.2025	42.7	35.1	18.9	21.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.09.2025	44.2	31.4	25.3	26.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.09.2025	43.8	29.8	26.7	29.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.09.2025	45.3	32.2	29.8	24.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	42.7	23.4	11.4	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	53.1	35.7	29.8	29.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	46.9	30.3	21.1	23.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	53.0	35.6	25.2	28.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ 510 / 220732
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APM-460 NL/503-DTG-2008
Make : Envirotech
Calibration Due: 28.02.2026

K.S. Jay
Verified by



Bharath K.
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

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – SEPTEMBER 2025

Location-4: Nelaturu Village

Sample Registration Date: 01.10.2025

Issue Date: 07.10.2025

Lab Ref: SEPL/ES/SEILEILP/09-25/0004

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
01.09.2025	36.1	39.5	23.5	19.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.09.2025	47.4	24.1	14.6	18.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.09.2025	33.2	27.6	17.1	23.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.09.2025	39.8	35.2	13.7	17.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.09.2025	43.5	31.6	23.6	15.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.09.2025	42.7	38.9	24.9	24.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.09.2025	46.8	34.5	22.6	14.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.09.2025	40.2	24.7	19.4	16.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.09.2025	37.9	26.6	21.1	18.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.09.2025	34.4	30.1	25.1	22.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	33.2	24.1	13.7	14.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.4	39.5	25.1	24.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.2	31.3	20.6	19.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.3	39.4	24.7	24.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAM-510 /1593 DTF2015
Make : Enviro tech
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : APQ-600 NL/220517
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S.Laj
Verified by



Bharath K.
Authorized by
Managing Director

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

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SUMMARY OF AMBIENT AIR QUALITY- SEPTEMBER 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Pattapupalem Village-2	Painampuram Village-3	Nelaturu Village-4
PM ₁₀	Minimum	$\mu\text{g}/\text{m}^3$	36.8	37.8	42.9	33.2
	Maximum		34.9	42.2	53.1	39.8
	Average		32.3	36.1	42.7	43.5
	98 Percentile		45.9	35.5	44.2	42.7
PM _{2.5}	Minimum		30.9	18.5	25.7	27.6
	Maximum		35.7	24.1	31.4	35.2
	Average		17.7	29.7	35.1	31.6
	98 Percentile		39.5	31.7	31.4	38.9
SO ₂	Minimum		20.1	25.1	24.6	17.1
	Maximum		13.1	23.8	21.1	13.7
	Average		13.1	26.0	18.9	23.6
	98 Percentile		22.8	16.6	25.3	24.9
NO _x	Minimum		20.4	14.7	23.8	23.9
	Maximum		12.6	17.2	16.4	17.2
	Average		10.1	19.9	21.7	15.3
	98 Percentile		20.4	22.5	26.8	24.6

K.S.Laj
Verified by



Bharath K.
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



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-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur(M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- MAY 2025

Sampling Location-1:Main Gate

Sample Registration Date: 21.05.2025

Issue Date:27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0001

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	20.05.2025	00:00	32.5
2		01:00	29.4
3		02:00	36.1
4		03:00	34.5
5		04:00	36.8
6		05:00	33.1
7		06:00	51.9
8		07:00	48.9
9		08:00	55.6
10		09:00	52.0
11		10:00	45.7
12		11:00	50.9
13		12:00	57.1
14		13:00	54.3
15		14:00	44.5
16		15:00	57.8
17		16:00	51.9
18		17:00	55.9
19		18:00	51.9
20		19:00	53.2
21		20:00	45.8
22		21:00	50.3
23		22:00	47.9
24		23:00	40.2

CPCB Standard: Day Time: (6 AM-10 PM) < 75 dB (A), Night Time: (10 PM-6 AM) < 70 dB (A)

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010

Serial No : 11180097640

Calibration Due :28.02.2026

K.S.Laj
Verified by



Praveesh W.
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

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur(M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- MAY 2025

Sampling Location-2:BTG Area

Sample Registration Date: 21.05.2025

Issue Date:27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0002

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	20.05.2025	00:00	44.8
2		01:00	36.7
3		02:00	35.2
4		03:00	34.2
5		04:00	45.2
6		05:00	44.8
7		06:00	50.1
8		07:00	51.3
9		08:00	46.3
10		09:00	52.3
11		10:00	45.1
12		11:00	39.6
13		12:00	57.2
14		13:00	49.5
15		14:00	44.7
16		15:00	40.3
17		16:00	56.3
18		17:00	42
19		18:00	56.3
20		19:00	43.6
21		20:00	48.5
22		21:00	49.1
23		22:00	46.8
24		23:00	37.6

CPCB Standard:Day Time: (6 AM-10 PM) < 75 dB (A), Night Time: (10 PM-6 AM) < 70 dB (A)

Instrument Details: Sound Level Meter

Make/Model :Standard/SC-05

SerialNo.: 200525272

Calibration Due : 28.02.2025

K.S.Laj
Verified by



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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur(M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- MAY 2025

Sampling Location-3: Coal Handling Plant

Sample Registration Date: 21.05.2025

Issue Date: 27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0003

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	20.05.2025	00:00	32.4
2		01:00	34.1
3		02:00	43.1
4		03:00	35.9
5		04:00	44.7
6		05:00	36.2
7		06:00	55.1
8		07:00	45.3
9		08:00	42.6
10		09:00	42.9
11		10:00	55.8
12		11:00	43.7
13		12:00	46.8
14		13:00	53.2
15		14:00	55.1
16		15:00	49.1
17		16:00	51.2
18		17:00	58.9
19		18:00	52.7
20		19:00	59.7
21		20:00	43.8
22		21:00	41.2
23		22:00	44.9
24		23:00	47.3

CPCB Standard: Day Time: (6 AM-10 PM) < 75 dB (A), Night Time: (10 PM-6 AM) < 70 dB (A)

Instrument Details: Sound Level Meter

Make/Model : Lutron /SL-34001

Serial No. : Q6352440

Calibration Due : 28.02.2025

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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

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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-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur(M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- MAY 2025

Sampling Location-4: Pattapupalem Village

Sample Registration Date: 21.05.2025

Issue Date: 27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0004

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	20.05.2025	00:00	31.4
2		01:00	31.6
3		02:00	34.5
4		03:00	37.2
5		04:00	25.4
6		05:00	35.8
7		06:00	45.6
8		07:00	48.7
9		08:00	38.1
10		09:00	41.1
11		10:00	42.3
12		11:00	44.7
13		12:00	42
14		13:00	34.2
15		14:00	41.6
16		15:00	39.7
17		16:00	34.8
18		17:00	48.2
19		18:00	41.8
20		19:00	47.5
21		20:00	45.6
22		21:00	37.5
23		22:00	36.1
24		23:00	25.7

CPCB Standard: Day Time: (6 AM-10 PM) <55 dB (A), Night Time: (10 PM-6 AM) <45 dB (A)

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010

Serial No : 11180097641

Calibration Due : 28.02.2025

K.S.Laj
Verified by



P. Suresh W.
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

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur(M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- MAY 2025

Sampling Location-5: Painampuram Village

Sample Registration Date: 21.05.2025

Issue Date: 27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0005

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	20.05.2025	00:00	33.1
2		01:00	32.3
3		02:00	38.5
4		03:00	35.2
5		04:00	37.6
6		05:00	43.1
7		06:00	43.8
8		07:00	45
9		08:00	41.2
10		09:00	47.9
11		10:00	46.3
12		11:00	44.2
13		12:00	42.4
14		13:00	45.8
15		14:00	37.4
16		15:00	40.3
17		16:00	46.3
18		17:00	48.9
19		18:00	45.7
20		19:00	42.6
21		20:00	37.9
22		21:00	42.3
23		22:00	35
24		23:00	38.9

CPCB Standard: Day Time: (6 AM-10 PM) <55 dB (A), Night Time: (10 PM-6 AM) <45 dB (A)

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010

Serial No. : 11180097642

Calibration Due : 28.02.2025

K.S.Laj
Verified by



Praveesh W.
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 Pynampuram / Nelaturu (V), Muthukur(M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- MAY 2025

Sampling Location-6: Nelaturu Village

Sample Registration Date: 21.05.2025

Issue Date: 27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0006

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	20.05.2025	00:00	31.8
2		01:00	42.7
3		02:00	37.9
4		03:00	27.1
5		04:00	37.2
6		05:00	40.1
7		06:00	38
8		07:00	33.2
9		08:00	47.3
10		09:00	42.4
11		10:00	34.8
12		11:00	47.2
13		12:00	48.6
14		13:00	54.8
15		14:00	45.2
16		15:00	43.1
17		16:00	46.7
18		17:00	41.4
19		18:00	38..5
20		19:00	37.5
21		20:00	41.2
22		21:00	48.2
23		22:00	48.1
24		23:00	36.2

CPCB Standard: Day Time: (6 AM-10 PM) <55 dB (A), Night Time: (10 PM-6 AM) <45 dB (A)

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010

Serial No : 11180097643

Calibration Due : 28.02.2025

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- MAY 2025

Date of Sampling:20-05-2025

Sample Registration Date: 21.05.2025

Issue Date:27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0007

TEST RESULT

Particulars	Main Gate dB (A)	BTG Area dB (A)	Coal Handling Plant dB (A)	Pattapupalem Village dB (A)	Painampuram Village dB (A)	Nelaturu Village dB (A)
	Day Time: (6 AM-10 PM) < 75 dB (A), Night Time: (10 PM-6 AM) < 70 dB (A)			Day Time: (6 AM-10 PM) <55 dB (A), Night Time: (10 PM-6 AM) < 45 dB (A)		
Minimum	29.4	34.2	32.4	25.4	32.3	27.1
Maximum	57.8	57.2	59.7	48.7	48.9	54.8
Average	46.59	45.73	46.49	38.79	41.32	41.33

K.S.Laj
Verified by



Praveesh W.
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Managing Director

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

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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- AUGUST 2025

Sampling Location-1: Main Gate

Sample Registration Date: 28.08.2025

Issue Date: 02.09.2025

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

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	26.08.2025	00:00	38.1
2		01:00	32.7
3		02:00	43.3
4		03:00	34.4
5		04:00	36.7
6		05:00	35.5
7		06:00	57.1
8		07:00	49.8
9		08:00	59.1
10		09:00	53.2
11		10:00	52.8
12		11:00	53.7
13		12:00	56.3
14		13:00	53.6
15		14:00	52.2
16		15:00	59.8
17		16:00	55.6
18		17:00	54.7
19		18:00	57.3
20		19:00	55.2
21		20:00	47.2
22		21:00	57.6
23		22:00	53.2
24		23:00	50.8

CPCB Standard: Day Time: (6 AM-10 PM) < 75 dB (A), Night Time: (10 PM-6 AM) < 70 dB (A)

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010

Serial No : 11180097640

Calibration Due : 28.02.2026

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- AUGUST 2025

Sampling Location-2: BTG Area

Sample Registration Date: 28.08.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0002

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	26.08.2025	00:00	43.4
2		01:00	36.6
3		02:00	35.6
4		03:00	39.7
5		04:00	43.9
6		05:00	42
7		06:00	49.6
8		07:00	47.2
9		08:00	50.3
10		09:00	55.7
11		10:00	53.9
12		11:00	44.3
13		12:00	55.5
14		13:00	43.7
15		14:00	51.8
16		15:00	46.8
17		16:00	51.2
18		17:00	46.9
19		18:00	53.7
20		19:00	46.1
21		20:00	49.9
22		21:00	50.1
23		22:00	46.7
24		23:00	45.2

CPCB Standard: Day Time: (6 AM-10 PM) < 75 dB (A), Night Time: (10 PM-6 AM) < 70 dB (A)

Instrument Details: Sound Level Meter

Make/Model : Standard/SC-05

Serial No. : 200525272

Calibration Due : 28.02.2026

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- AUGUST 2025

Sampling Location-3: Coal Handling Plant

Sample Registration Date: 28.08.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0003

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	26.08.2025	00:00	37.6
2		01:00	34.2
3		02:00	33.9
4		03:00	40.8
5		04:00	42.8
6		05:00	36.8
7		06:00	54.2
8		07:00	44.8
9		08:00	46.7
10		09:00	48.2
11		10:00	54.7
12		11:00	51.1
13		12:00	47.4
14		13:00	44.3
15		14:00	56.4
16		15:00	44.1
17		16:00	50.7
18		17:00	55.1
19		18:00	59.8
20		19:00	50.3
21		20:00	50.4
22		21:00	48.9
23		22:00	45.1
24		23:00	43.8

CPCB Standard: Day Time: (6 AM-10 PM) < 75 dB (A), Night Time: (10 PM-6 AM) < 70 dB (A)

Instrument Details: Sound Level Meter

Make/Model : Lutron /SL-34001

Serial No. : Q6352440

Calibration Due : 28.02.2026

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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

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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- AUGUST 2025

Sampling Location-4: Pattapupalem Village

Sample Registration Date: 28.08.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0004

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	26.08.2025	00:00	24.1
2		01:00	35.8
3		02:00	34.4
4		03:00	35.2
5		04:00	28.1
6		05:00	34.5
7		06:00	43.2
8		07:00	41.2
9		08:00	43.4
10		09:00	43.2
11		10:00	49.6
12		11:00	48.9
13		12:00	47.8
14		13:00	40.2
15		14:00	45.1
16		15:00	43.8
17		16:00	41.1
18		17:00	43.7
19		18:00	46.1
20		19:00	44.4
21		20:00	43.5
22		21:00	41.2
23		22:00	34.8
24		23:00	29.7

CPCB Standard: Day Time: (6 AM-10 PM) <55 dB (A), Night Time: (10 PM-6 AM) <45 dB (A)

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010

Serial No : 11180097641

Calibration Due : 28.02.2026

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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

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TEST REPORT

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(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- AUGUST 2025

Sampling Location-5: Painampuram Village

Sample Registration Date: 28.08.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0005

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	26.08.2025	00:00	40.5
2		01:00	38.2
3		02:00	29.7
4		03:00	38.3
5		04:00	35.1
6		05:00	41.5
7		06:00	38.7
8		07:00	47.3
9		08:00	42.6
10		09:00	46.9
11		10:00	51.2
12		11:00	50.3
13		12:00	46.2
14		13:00	49.8
15		14:00	44.4
16		15:00	45.7
17		16:00	43.9
18		17:00	44.9
19		18:00	51.2
20		19:00	52.7
21		20:00	45.6
22		21:00	47.2
23		22:00	40.3
24		23:00	42.1

CPCB Standard: Day Time: (6 AM-10 PM) <55 dB (A), Night Time: (10 PM-6 AM) <45 dB (A)

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010

Serial No. : 11180097642

Calibration Due : 28.02.2026

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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

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TEST REPORT

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Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- AUGUST 2025

Sampling Location-6: Nelaturu Village

Sample Registration Date: 28.08.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0006

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	26.08.2025	00:00	31.8
2		01:00	36.5
3		02:00	31.2
4		03:00	24.1
5		04:00	36.6
6		05:00	29.3
7		06:00	41.3
8		07:00	33.4
9		08:00	45.2
10		09:00	47.1
11		10:00	40.2
12		11:00	43.7
13		12:00	49.9
14		13:00	52.2
15		14:00	52.3
16		15:00	47.1
17		16:00	48.2
18		17:00	38.7
19		18:00	42.7
20		19:00	41.3
21		20:00	46.8
22		21:00	44.1
23		22:00	44.4
24		23:00	36.6

CPCB Standard: Day Time: (6 AM-10 PM) <55 dB (A), Night Time: (10 PM-6 AM) <45 dB (A)

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010

Serial No : 11180097643

Calibration Due : 28.02.2026

K.S.Laj
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TEST REPORT

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(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- AUGUST 2025

Date of Sampling: 26.08.2025

Sample Registration Date: 28.08.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0007

TEST RESULT

Particulars	Main Gate dB (A)	BTG Area dB (A)	Coal Handling Plant dB (A)	Pattapupalem Village dB (A)	Painampuram Village dB (A)	Nelaturu Village dB (A)
	Day Time: (6 AM-10 PM) < 75 dB (A), Night Time: (10 PM-6 AM) < 70 dB (A)			Day Time: (6 AM-10 PM) < 55 dB (A), Night Time: (10 PM-6 AM) < 45 dB (A)		
Minimum	32.7	35.6	33.9	24.1	29.7	24.1
Maximum	59.8	55.7	59.8	49.6	52.7	52.3
Average	50.00	47.08	46.75	40.125	43.93	41.03

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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

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ANNEXURE-IV

TEST REPORT

ISSUED TO: M/s. SEIL ENERGY INDIA LIMITED PROJECT-1 (2x660 MW Coal Based Thermal Power Plant), Near Pynampuram / Nelaturu (V), Muthukur(M), SPSR Nellore (Dist.) -524344.	
Discipline: Chemical Group: Water Product: Ground Water Location-1:Ground Water – Nelaturu Village (GW-1) Location-2:Ground Water – Pynampuram Village (GW-2) Date of Monitoring:20.05.2025	Sample Registration Date:21.05.2025 Analysis Starting Date: 21.05.2025 Analysis Completed Date:27.05.2025 Issue Date:27.05.2025 Lab Ref: SEPL/ES/SEILELP/05-25/0001 Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	GW-1	GW-2
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.6	7.3
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	0.8	1.1
3	Taste	IS-3025(P-8)	--	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	IS-3025(P-5)	--	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.9	1.0
6	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,506	1,416
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	702	814
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	130	142
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	172	168
10	P- Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	--	--	Nil	Nil
11	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	40.1	47.1
12	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	18.6	14.4
13	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	0.21	0.18
14	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	0.09	0.04
15	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	155	137

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	GW-1	GW-2
16	Potassium as K	IS3025(P-45)1993	mg/l	--	--	56	61
17	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	146	170
18	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	76.2	81.3
19	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	40.9	43.6
20	Anionic Detergents as MBAS	Annex K of IS 13428	mg/l	<0.2	<1.0	<0.1	<0.1
21	Mineral Oil	IS 3025(Pt-39)	mg/l	<0.5	No Relaxation	<0.5	<0.5
22	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.31	0.42
23	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.76	0.92
24	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	0.12	0.42
25	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
26	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
27	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
28	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
29	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
30	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
31	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
32	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
33	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	0.09	0.05
34	Hexavalent Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.02	<0.05
35	Silica as SiO ₂	IS3025(P-35)1988	mg/l	--	--	4.7	4.5
36	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
37	E-Coli	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
38	Total Coliform	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent

K.S. Jay
Verified by



Praveesh W.
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TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Ground Water

Location-3:Ground Water –Nelaturupalem Village (GW-3)

Location-4:Ground Water – Musunurivaripalem Village (GW-4)

Date of Monitoring: 20.05.2025

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0002

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	GW-3	GW-4
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.4	7.7
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	0.8	1.0
3	Taste	IS-3025(P-8)	--	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	IS-3025(P-5)	--	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	1.0	1.1
6	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1562	1304
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	1,196	1,203
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	105	199
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	170	170
10	P- Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	--	--	Nil	Nil
11	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	50.4	42.3
12	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	20.7	23.4
13	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	<0.1	<0.1
14	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	0.39	0.26
15	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	146	157

K.S. Jay
Verified by



Praveesh W.
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Managing Director

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	GW-3	GW-4
16	Potassium as K	IS3025(P-45)1993	mg/l	--	--	51	52
17	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	142	135
18	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	76.9	93.6
19	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	28.6	40.0
20	Anionic Detergents as MBAS	Annex K of IS 13428	mg/l	<0.2	<1.0	<0.1	<0.1
21	Mineral Oil	IS 3025(Pt-39)	mg/l	<0.5	No Relaxation	<0.5	<0.5
22	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.05	0.09
23	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.72	0.72
24	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	0.23	0.45
25	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
26	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
27	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
28	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
29	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
30	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
31	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
32	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
33	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	0.23	0.12
34	Hexavalent Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.05	<0.05
35	Silica as SiO ₂	IS3025(P-35)1988	mg/l	--	--	4.7	3.9
36	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
37	E-Coli	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
38	Total Coliform	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent

K.S.Laj
Verified by



P. Suresh W.
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Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Ground Water

Location-5:Ground Water – Amudalapadu Village (GW-5)

Location-6:Ground Water – Kothapalem Village (GW-6)

Date of Monitoring: 20.05.2025

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0003

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	GW-5	GW-6
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.4	7.5
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0	1.2
3	Taste	IS-3025(P-8)	--	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	IS-3025(P-5)	--	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.12	0.5
6	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,042	1,240
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	820	636
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	156	142
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	139	171
10	P- Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	--	--	Nil	Nil
11	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	32.9	50.1
12	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	25.9	30.2
13	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	0.19	0.25
14	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	0.06	0.15
15	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	160	175

K.S. Jay
Verified by



Praveesh W.
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Managing Director

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	GW-5	GW-6
16	Potassium as K	IS3025(P-45)1993	mg/l	--	--	39	42
17	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	156	132
18	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	72.4	66.4
19	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	30.5	33.6
20	Anionic Detergents as MBAS	Annex K of IS 13428	mg/l	<0.2	<1.0	<0.1	<0.1
21	Mineral Oil	IS 3025(Pt-39)	mg/l	<0.5	No Relaxation	<0.5	<0.5
22	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.23	0.12
23	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.87	0.56
24	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	45	32
25	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
26	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
27	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
28	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
29	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
30	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
31	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
32	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
33	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	0.09	0.07
34	Hexavalent Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.05	<0.05
35	Silica as SiO ₂	IS3025(P-35)1988	mg/l	--	--	4.0	2.9
36	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
37	Total Coliform	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
38	E-Coli	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent

K.S.Laj
Verified by



P. Suresh K.
Authorized by
Managing Director

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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Surface Water

Location-1: Surface Water – Pynampuram Village (SW-1)

Location-2: Surface Water – Nelaturu Village (SW-2)

Date of Monitoring: 20.05.2025

Sample Registration Date: 21.05.2025

Analysis Starting Date: 21.05.2025

Analysis Completed Date: 27.05.2025

Issue Date: 27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0004

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	SW-1	SW-2
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.1	7.6
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	0.9	1.0
3	Taste	IS-3025(P-8)	--	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	IS-3025(P-5)	--	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.9	0.6
6	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1458	1501
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	791	672
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	125	166
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	142	192
10	P- Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	--	--	Nil	Nil
11	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	32.1	46.6
12	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	16.2	20.9
13	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	0.1	0.1
14	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	<0.001	<0.001
15	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	132	155

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	SW-1	SW-2
16	Potassium as K	IS3025(P-45)1993	mg/l	--	--	26	42
17	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	160	147
18	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	42.1	30.9
19	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	28.7	32.5
20	Anionic Detergents as MBAS	Annex K of IS 13428	mg/l	<0.2	<1.0	<0.1	<0.1
21	Mineral Oil	IS 3025(Pt-39)	mg/l	<0.5	No Relaxation	<0.5	<0.5
22	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.12	0.10
23	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.72	0.41
24	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	0.09	0.13
25	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
26	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
27	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
28	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
29	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
30	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
31	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
32	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
33	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<5.0	<5.0
34	Hexavalent Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.05	<0.05
35	Silica as SiO ₂	IS3025(P-35)1988	mg/l	--	--	3.2	5.1
36	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
37	E-Coli	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
38	Total Coliform	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent

K.S. Jay
Verified by



P. Suresh Kumar
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Managing Director

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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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Ground Water

Location-1: Ground Water – Nelaturu Village (GW-1)

Location-2: Ground Water – Pynampuram Village (GW-2)

Date of Monitoring: 26.08.2025

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

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

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	GW-1	GW-2
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.0	6.9
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0	1.0
3	Taste	IS-3025(P-8)	--	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	IS-3025(P-5)	--	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	1.0	1.03
6	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,457	1,595
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	700	761
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	138	171
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	196	179
10	P- Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	--	--	Nil	Nil
11	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	45.4	46.7
12	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	19.1	16.9
13	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	0.09	0.12
14	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	0.02	0.01
15	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	147	150

K.S. Jay
Verified by



Praveesh W.
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Managing Director

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

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	GW-1	GW-2
16	Potassium as K	IS3025(P-45)1993	mg/l	--	--	58	67
17	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	169	163
18	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	78.3	74.1
19	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	33.6	31.8
20	Anionic Detergents as MBAS	Annex K of IS 13428	mg/l	<0.2	<1.0	<0.1	<0.1
21	Mineral Oil	IS 3025(Pt-39)	mg/l	<0.5	No Relaxation	<0.5	<0.5
22	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.31	0.29
23	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.80	0.82
24	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	0.02	0.01
25	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
26	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
27	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
28	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
29	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
30	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
31	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
32	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
33	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	0.01	0.02
34	Hexavalent Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.02	<0.05
35	Silica as SiO ₂	IS3025(P-35)1988	mg/l	--	--	4.1	4.4
36	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
37	E-Coli	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
38	Total Coliform	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent

K.S.Laj
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Praveesh W.
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TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Ground Water

Location-3: Ground Water –Nelaturupalem Village (GW-3)

Location-4: Ground Water – Musunurivaripalem Village (GW-4)

Date of Monitoring: 26.08.2025

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0002

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	GW-3	GW-4
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.6	8.0
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.02	1.04
3	Taste	IS-3025(P-8)	--	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	IS-3025(P-5)	--	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	1.01	1.0
6	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1361	1,447
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	1,193	1,081
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	125	184
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	180	179
10	P- Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	--	--	Nil	Nil
11	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	58.1	47.6
12	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	23.9	22.4
13	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	<0.1	<0.1
14	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	0.35	0.39
15	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	131	151

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	GW-3	GW-4
16	Potassium as K	IS3025(P-45)1993	mg/l	--	--	54	57
17	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	142	161
18	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	77.1	82.9
19	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	22.1	34.9
20	Anionic Detergents as MBAS	Annex K of IS 13428	mg/l	<0.2	<1.0	<0.1	<0.1
21	Mineral Oil	IS 3025(Pt-39)	mg/l	<0.5	No Relaxation	<0.5	<0.5
22	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.01	0.01
23	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.70	0.57
24	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	0.03	0.02
25	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
26	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
27	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
28	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
29	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
30	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
31	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
32	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
33	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	0.01	0.02
34	Hexavalent Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.05	<0.05
35	Silica as SiO ₂	IS3025(P-35)1988	mg/l	--	--	5.1	4.2
36	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
37	E-Coli	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
38	Total Coliform	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Ground Water

Location-5: Ground Water – Amudalapadu Village (GW-5)

Location-6: Ground Water – Kothapalem Village (GW-6)

Date of Monitoring: 26.08.2025

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0003

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	GW-5	GW-6
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.5	7.9
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0	1.0
3	Taste	IS-3025(P-8)	--	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	IS-3025(P-5)	--	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.1	0.3
6	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,234	1,161
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	792	652
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	163	170
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	157	174
10	P- Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	--	--	Nil	Nil
11	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	35.6	50.1
12	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	26.2	29.8
13	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	0.19	0.10
14	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	0.03	0.02
15	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	167	173

K.S. Jay
Verified by



P. Suresh W.
Authorized by
Managing Director

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	GW-5	GW-6
16	Potassium as K	IS3025(P-45)1993	mg/l	--	--	41	39
17	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	165	184
18	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	75.4	61.7
19	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	29.6	34.1
20	Anionic Detergents as MBAS	Annex K of IS 13428	mg/l	<0.2	<1.0	<0.1	<0.1
21	Mineral Oil	IS 3025(Pt-39)	mg/l	<0.5	No Relaxation	<0.5	<0.5
22	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.02	0.03
23	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.76	0.80
24	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	44	35
25	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
26	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
27	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
28	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
29	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
30	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
31	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
32	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
33	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	0.03	0.02
34	Hexavalent Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.05	<0.05
35	Silica as SiO ₂	IS3025(P-35)1988	mg/l	--	--	3.7	3.9
36	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
37	Total Coliform	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
38	E-Coli	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent

K.S. Jay
Verified by



P. Suresh K.
Authorized by
Managing Director

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Surface Water

Location-1: Surface Water – Pynampuram Village (SW-1)

Location-2: Surface Water – Nelaturu Village (SW-2)

Date of Monitoring: 26.08.2025

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0004

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	SW-1	SW-2
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	8.0	7.1
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0	1.0
3	Taste	IS-3025(P-8)	--	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	IS-3025(P-5)	--	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.3	0.1
6	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1341	1,472
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	743	682
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	168	174
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	181	153
10	P- Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	--	--	Nil	Nil
11	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	33.2	46.8
12	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	16.9	20.6
13	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	0.1	0.1
14	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	<0.001	<0.001
15	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	134	167

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	SW-1	SW-2
16	Potassium as K	IS3025(P-45)1993	mg/l	--	--	27	31
17	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	161	153
18	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	46.8	44.2
19	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	29.9	36.7
20	Anionic Detergents as MBAS	Annex K of IS 13428	mg/l	<0.2	<1.0	<0.1	<0.1
21	Mineral Oil	IS 3025(Pt-39)	mg/l	<0.5	No Relaxation	<0.5	<0.5
22	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.01	0.01
23	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.76	0.37
24	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	0.01	0.02
25	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
26	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
27	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
28	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
29	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
30	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
31	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
32	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
33	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<5.0	<5.0
34	Hexavalent Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.05	<0.05
35	Silica as SiO ₂	IS3025(P-35)1988	mg/l	--	--	3.7	4.5
36	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
37	E-Coli	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
38	Total Coliform	ISO 9308-1	Per/ 100 ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent

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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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Drinking Water

Date of Monitoring: 20.05.2025

Sample Collected By: Ganesh

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0001

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	ACCEPTABLE LIMITS AS PER IS: 10500:2012	PERMISSIBLE LIMITS AS PER IS 10500:2012	RESULTS
Organoleptic & Physical Parameters						
1	pH	IS3025(P-11)2021	--	6.5-8.5	No relaxation	7.3
2	Color	IS3025(P-04)2021	Hazen	5.0 Max	15 Max	1.6
3	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	132
4	Turbidity	IS3025(P-10)1984	NTU	1.0 Max	5.0 Max	<0.1
5	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500 Max	2000 Max.	92
General Parameters Concerning Substances Undesirable in Excessive Amounts						
6	Aluminum as Al	IS3025(P-55)2003	mg/l	0.03 Max	0.2 Max.	< 0.01
7	Ammonia as N	IS3025(P-34)1988	mg/l	0.5 Max	No relaxation	< 0.1
8	Boron as B	IS3025(P-57)2021	mg/l	0.5 Max	1.0 Max	< 0.01
9	Barium as Ba	APHA-3120B	mg/l	0.7 Max	No relaxation	< 0.01
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75 Max	200 Max	9.4
11	Chloramines	IS: 3025(Part-26)	mg/l	4.0 Max	No relaxation	< 0.08
12	Chlorides as Cl	IS3025(P-32)1988	mg/l	250 Max	1000 Max	32
13	Copper as Cu	IS3025(P-42)1992	mg/l	0.05 Max	1.5 Max	<0.01
14	Fluoride as F	IS3025(P-60)2008	mg/l	1.0 Max	1.5 Max	<0.1
15	Residual Free Chlorine	IS3025(P-26)1986	mg/l	0.2 Max	1.0 Max	< 0.1
16	Iron as Fe	IS3025(P-53)2003	mg/l	0.3 Max	No relaxation	< 0.01
17	Magnesium as Mg	IS3025(P-40)1991	mg/l	30 Max	100 Max	0.34

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	ACCEPTABLE LIMITS AS PER IS: 10500:2012	PERMISSIBLE LIMITS AS PER IS 10500:2012	RESULTS
18	Manganese as Mn	IS3025(P-59)2006	mg/l	0.1 Max	0.3 Max	<0.01
19	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45 Max	No relaxation	6.8
20	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	0.001 Max	0.002 Max	< 0.001
21	Selenium as Se	IS3025(P-56)2003	mg/l	0.01 Max	No relaxation	< 0.01
22	Silver as Ag	APHA-3120B	mg/l	0.1 Max	No relaxation	< 0.01
23	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200 Max	400 Max	6.9
24	Sulphide as H ₂ S	IS-3025(Pt-29)	mg/l	0.05 Max	No relaxation	< 0.05
25	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200 Max	600 Max	47
26	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200 Max	600 Max	55
27	Zinc as Zn	IS3025(P-49)1994	mg/l	5.0 Max	15 Max	0.12

Parameters Concerning Toxic Substances

28	Cadmium as Cd	IS3025(P-41)1992	mg/l	0.003 Max	No relaxation	0.021
29	Lead as Pb	IS3025(P-47)1994	mg/l	0.01 Max	No relaxation	< 0.01
30	Mercury as Hg	IS3025(P-48)1994	mg/l	0.001 Max	No relaxation	< 0.001
31	Nickel as Ni	IS3025(P-54)	mg/l	0.02 Max	No relaxation	< 0.01
32	Arsenic as As	IS3025(P-37)1988	mg/l	0.01 Max	No relaxation	< 0.01
33	Chromium as Cr	IS3025(P-52)2003	mg/l	0.05 Max	No relaxation	< 0.05

Note: IS - Indian Standard, APHA-American Public Health Association

Detection limit: 0.00001 mg/l for Pesticides, PCB's, PAH & 0.0001 mg/l for Trihalomethanes, to be applicable only when water is chlorinated

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Drinking Water

Date of Monitoring:20.05.2025

Sample Collected By: Ganesh

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0002

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	ACCEPTABLE LIMITS AS PER IS: 10500:2012	PERMISSIBLE LIMITS AS PER IS 10500:2012	RESULTS
Organoleptic & Physical Parameters						
1	Odor	IS-3025(Pt-5)	--	Agreeable	Agreeable	Agreeable
2	Taste	IS-3025(Pt-8)	--	Agreeable	Agreeable	Agreeable
General Parameters Concerning Substances Undesirable in Excessive Amounts						
3	Anionic detergents as MBAS	Annex K of IS 13428	mg/l	0.2 Max	1.0 Max	<0.1
4	Mineral Oil	IS-3025(Pt-39)	mg/l	0.5 Max	No relaxation	<0.01
Parameters Concerning Toxic Substances						
5	Cyanide as CN	IS-3025(Pt-27)	mg/l	0.05 Max	No relaxation	<0.01
6	Molybdenum as Mo	APHA-3120B	mg/l	0.07 Max	No relaxation	<0.01

Note: IS-Indian Standard, APHA-American Public Health Association

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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur(M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Drinking Water

Date of Monitoring:20.05.2025

Sample Collected By: Ganesh

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0003

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	ACCEPTABLE LIMITS AS PER IS: 10500:2012	PERMISSIBLE LIMITS AS PER IS 10500:2012	RESULTS
1	DDT	EPA 508	mg/l	Not more than 0.0001	Not more than 0.0001	ND
	a). o,p'-DDT	-	-	-	-	-
	b). p,p'-DDT	-	-	-	-	-
	c). o,p'-DDE	-	-	-	-	-
	d). p,p'-DDE	-	-	-	-	-
	e). o,p'-DDD	-	-	-	-	-
2	BHC (HCH)	EPA 508	mg/l	Not more than 0.0001	Not more than 0.0001	ND
3	Endosulfan	EPA 508	mg/l	Not more than 0.0001	Not more than 0.0001	ND
4	Monocrotophos	EPA 8141A	mg/l	Not more than 0.0001	Not more than 0.0001	ND
5	Ethion	EPA 1657A	mg/l	Not more than 0.0001	Not more than 0.0001	ND
6	Chlorpyrifos	EPA 525A	mg/l	Not more than 0.0001	Not more than 0.0001	ND
	a) Phorate	-	-	-	-	-
	b) Phorate Sulphoxide	-	-	-	-	-
	c) Phorate Sulphone	-	-	-	-	-
7	2,4-D	EPA 515.1	mg/l	Not more than 0.0001	Not more than 0.0001	ND

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	ACCEPTABLE LIMITS AS PER IS: 10500:2012	PERMISSIBLE LIMITS AS PER IS 10500:2012	RESULTS
8	Butachlor	EPA 525.2	mg/l	Not more than 0.0001	Not more than 0.0001	ND
9	Isoproturon	EPA 532	mg/l	Not more than 0.0001	Not more than 0.0001	ND
10	Alachlor	EPA 525.2	mg/l	Not more than 0.0001	Not more than 0.0001	ND
11	Atrazine	EPA 525.208	mg/l	Not more than 0.0001	Not more than 0.0001	ND
12	Methyl Parathion	EPA 8141A	mg/l	Not more than 0.0001	Not more than 0.0001	ND
	a). Methyl Parathion	-	-	-	-	-
	b) Methyl Paraoxon	-	-	-	-	-
13	Malathion	EPA 8141A	mg/l	Not more than 0.0001	Not more than 0.0001	ND
	a) Malathion	-	-	-	-	-
	b) Malaoxon	-	-	-	-	-
14	Aldrin	EPA 525.2	mg/l	Not more than 0.0001	Not more than 0.0001	ND
	a) Aldrin	-	-	-	-	-
	b) Dieldrin	-	-	-	-	-

Note: ND- Non-Detectable

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur(M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Drinking Water

Date of monitoring:20.05.2025

Sample Collected By : Ganesh

Sample Registration Date:21.05.2025

Analysis Starting Date:27.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0004

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	ACCEPTABLE LIMITS AS PER IS: 10500:2012	PERMISSIBLE LIMITS AS PER IS 10500:2012	RESULTS
Microbiology Analysis						
1	Total Bacterial Count at 36° C	ISO 6222	CFU/ml	--	--	26
2	Coli forms	ISO 9308-1	Per/100ml	Absent/100ml	Absent/100ml	Absent
3	Escherichia. coli	ISO 9308-1	Per/100ml	Absent/100ml	Absent/100ml	Absent

Note: ISO-International Organization for Standardization

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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Drinking Water

Date of Monitoring: 26.08.2025

Sample Collected By: Ganesh

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

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

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	ACCEPTABLE LIMITS AS PER IS: 10500:2012	PERMISSIBLE LIMITS AS PER IS 10500:2012	RESULTS
Organoleptic & Physical Parameters						
1	pH	IS3025(P-11)2021	--	6.5-8.5	No relaxation	7.36
2	Color	IS3025(P-04)2021	Hazen	5.0 Max	15 Max	1.8
3	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	140
4	Turbidity	IS3025(P-10)1984	NTU	1.0 Max	5.0 Max	<0.1
5	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500 Max	2000 Max.	74
General Parameters Concerning Substances Undesirable in Excessive Amounts						
6	Aluminum as Al	IS3025(P-55)2003	mg/l	0.03 Max	0.2 Max.	< 0.01
7	Ammonia as N	IS3025(P-34)1988	mg/l	0.5 Max	No relaxation	< 0.1
8	Boron as B	IS3025(P-57)2021	mg/l	0.5 Max	1.0 Max	< 0.01
9	Barium as Ba	APHA-3120B	mg/l	0.7 Max	No relaxation	< 0.01
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75 Max	200 Max	7.6
11	Chloramines	IS: 3025(Part-26)	mg/l	4.0 Max	No relaxation	< 0.08
12	Chlorides as Cl	IS3025(P-32)1988	mg/l	250 Max	1000 Max	42
13	Copper as Cu	IS3025(P-42)1992	mg/l	0.05 Max	1.5 Max	<0.01
14	Fluoride as F	IS3025(P-60)2008	mg/l	1.0 Max	1.5 Max	<0.1
15	Residual Free Chlorine	IS3025(P-26)1986	mg/l	0.2 Max	1.0 Max	< 0.1
16	Iron as Fe	IS3025(P-53)2003	mg/l	0.3 Max	No relaxation	< 0.01
17	Magnesium as Mg	IS3025(P-40)1991	mg/l	30 Max	100 Max	0.39

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	ACCEPTABLE LIMITS AS PER IS: 10500:2012	PERMISSIBLE LIMITS AS PER IS 10500:2012	RESULTS
18	Manganese as Mn	IS3025(P-59)2006	mg/l	0.1 Max	0.3 Max	<0.01
19	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45 Max	No relaxation	4.7
20	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	0.001 Max	0.002 Max	< 0.001
21	Selenium as Se	IS3025(P-56)2003	mg/l	0.01 Max	No relaxation	< 0.01
22	Silver as Ag	APHA-3120B	mg/l	0.1 Max	No relaxation	< 0.01
23	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200 Max	400 Max	8.0
24	Sulphide as H ₂ S	IS-3025(Pt-29)	mg/l	0.05 Max	No relaxation	< 0.05
25	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200 Max	600 Max	64
26	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200 Max	600 Max	72
27	Zinc as Zn	IS3025(P-49)1994	mg/l	5.0 Max	15 Max	0.04

Parameters Concerning Toxic Substances

28	Cadmium as Cd	IS3025(P-41)1992	mg/l	0.003 Max	No relaxation	0.002
29	Lead as Pb	IS3025(P-47)1994	mg/l	0.01 Max	No relaxation	< 0.01
30	Mercury as Hg	IS3025(P-48)1994	mg/l	0.001 Max	No relaxation	< 0.001
31	Nickel as Ni	IS3025(P-54)	mg/l	0.02 Max	No relaxation	< 0.01
32	Arsenic as As	IS3025(P-37)1988	mg/l	0.01 Max	No relaxation	< 0.01
33	Chromium as Cr	IS3025(P-52)2003	mg/l	0.05 Max	No relaxation	< 0.05

Note: IS- Indian Standard, APHA- American Public Health Association

Detection limit: 0.00001 mg/l for Pesticides, PCB's, PAH & 0.0001 mg/l for Trihalomethanes, to be applicable only when water is chlorinated

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Discipline: Chemical

Group: Water

Product: Drinking Water

Date of Monitoring: 26.08.2025

Sample Collected By: Ganesh

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0002

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	ACCEPTABLE LIMITS AS PER IS: 10500:2012	PERMISSIBLE LIMITS AS PER IS 10500:2012	RESULTS
Organoleptic & Physical Parameters						
1	Odor	IS-3025(Pt-5)	--	Agreeable	Agreeable	Agreeable
2	Taste	IS-3025(Pt-8)	--	Agreeable	Agreeable	Agreeable
General Parameters Concerning Substances Undesirable in Excessive Amounts						
3	Anionic detergents as MBAS	Annex K of IS 13428	mg/l	0.2 Max	1.0 Max	<0.1
4	Mineral Oil	IS-3025(Pt-39)	mg/l	0.5 Max	No relaxation	<0.01
Parameters Concerning Toxic Substances						
5	Cyanide as CN	IS-3025(Pt-27)	mg/l	0.05 Max	No relaxation	<0.01
6	Molybdenum as Mo	APHA-3120B	mg/l	0.07 Max	No relaxation	<0.01

Note: IS-Indian Standard, APHA- American Public Health Association

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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





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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-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Drinking Water

Date of Monitoring: 26.08.2025

Sample Collected By: Ganesh

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0003

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	ACCEPTABLE LIMITS AS PER IS: 10500:2012	PERMISSIBLE LIMITS AS PER IS 10500:2012	RESULTS
1	DDT	EPA 508	mg/l	Not more than 0.0001	Not more than 0.0001	ND
	a). o,p'-DDT	-	-	-	-	-
	b). p,p'-DDT	-	-	-	-	-
	c). o,p'-DDE	-	-	-	-	-
	d). p,p'-DDE	-	-	-	-	-
	e). o,p'-DDD	-	-	-	-	-
2	BHC (HCH)	EPA 508	mg/l	Not more than 0.0001	Not more than 0.0001	ND
3	Endosulfan	EPA 508	mg/l	Not more than 0.0001	Not more than 0.0001	ND
4	Monocrotophos	EPA 8141A	mg/l	Not more than 0.0001	Not more than 0.0001	ND
5	Ethion	EPA 1657A	mg/l	Not more than 0.0001	Not more than 0.0001	ND
6	Chlorpyrifos	EPA 525A	mg/l	Not more than 0.0001	Not more than 0.0001	ND
	a) Phorate	-	-	-	-	-
	b) Phorate Sulphoxide	-	-	-	-	-
	c) Phorate Sulphone	-	-	-	-	-
7	2,4-D	EPA 515.1	mg/l	Not more than 0.0001	Not more than 0.0001	ND

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	ACCEPTABLE LIMITS AS PER IS: 10500:2012	PERMISSIBLE LIMITS AS PER IS 10500:2012	RESULTS
8	Butachlor	EPA 525.2	mg/l	Not more than 0.0001	Not more than 0.0001	ND
9	Isoproturon	EPA 532	mg/l	Not more than 0.0001	Not more than 0.0001	ND
10	Alachlor	EPA 525.2	mg/l	Not more than 0.0001	Not more than 0.0001	ND
11	Atrazine	EPA 525.208	mg/l	Not more than 0.0001	Not more than 0.0001	ND
12	Methyl Parathion	EPA 8141A	mg/l	Not more than 0.0001	Not more than 0.0001	ND
	a). Methyl Parathion	-	-	-	-	-
	b) Methyl Paraoxon	-	-	-	-	-
13	Malathion	EPA 8141A	mg/l	Not more than 0.0001	Not more than 0.0001	ND
	a) Malathion	-	-	-	-	-
	b) Malaoxon	-	-	-	-	-
14	Aldrin	EPA 525.2	mg/l	Not more than 0.0001	Not more than 0.0001	ND
	a) Aldrin	-	-	-	-	-
	b) Dieldrin	-	-	-	-	-

Note: ND- Non-Detectable

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Drinking Water

Date of monitoring: 26.08.2025

Sample Collected By : Ganesh

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0004

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	ACCEPTABLE LIMITS AS PER IS: 10500:2012	PERMISSIBLE LIMITS AS PER IS 10500:2012	RESULTS
Microbiology Analysis						
1	Total Bacterial Count at 36° C	ISO 6222	CFU/ml	--	--	28
2	Coli forms	ISO 9308-1	Per/100ml	Absent/100ml	Absent/100ml	Absent
3	Escherichia. coli	ISO 9308-1	Per/100ml	Absent/100ml	Absent/100ml	Absent

Note: ISO-International Organization for Standardization

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Heavy Metal Analysis of Coal -MAY 2025

Sample Location: Coal Feeder#1

Date of Monitoring: 20.05.2025

Sample Collected By: Ganesh

Sample Registration Date: 21.05.2025

Analysis Starting Date: 21.05.2025

Analysis Completed Date: 27.05.2025

Issue Date: 27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0001

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.72
2	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	ppm	0.2	<0.03
3	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	1.41
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.51

Note: USEPA- United States Environmental Protection Agency

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Heavy Metal Analysis of Coal -MAY 2025

Sample Location: Coal Feeder#1

Date of Monitoring: 26.08.2025

Sample Collected By: Ganesh

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

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

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.68
2	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	ppm	0.2	<0.03
3	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	1.50
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.64

Note: USEPA- United States Environmental Protection Agency

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(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram/Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Heavy Metal Analysis of Fly Ash- MAY 2025

Date of Monitoring: 20.05.2025

Sample Collected By: Ganesh

Sample Registration Date: 21.05.2025

Analysis Starting Date: 21.05.2025

Analysis Completed Date: 27.05.2025

Issue Date: 27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0001

TEST RESULT

S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.76
2	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	Ppm	0.2	<0.03
3	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.51
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.72

Note: USEPA- United States Environmental Protection Agency

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(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram/Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) - 524344.

Discipline: Chemical

Group: Water

Product: Heavy Metal Analysis of Bottom Ash- MAY 2025

Date of Monitoring: 20.05.2025

Sample Collected By: Ganesh

Sample Registration Date: 21.05.2025

Analysis Starting Date: 21.05.2025

Analysis Completed Date: 27.05.2025

Issue Date: 27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0002

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.90
2.	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	Ppm	0.2	<0.02
3.	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.66
4.	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.36

Note: USEPA- United States Environmental Protection Agency

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(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Heavy Metal Analysis of Fly Ash- AUGUST 2025

Date of Monitoring:26.08.2025

Sample Collected By: Ganesh

Sample Registration Date:28.08.2025

Analysis Starting Date:28.08.2025

Analysis Completed Date:02.09.2025

Issue Date:02.09.2025

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

TEST RESULT

S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.84
2	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	Ppm	0.2	<0.03
3	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.62
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.80

Note: USEPA- United States Environmental Protection Agency

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SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Heavy Metal Analysis of Bottom Ash- AUGUST 2025

Date of Monitoring:26.08.2025

Sample Collected By: Ganesh

Sample Registration Date:28.08.2025

Analysis Starting Date:28.08.2025

Analysis Completed Date:02.09.2025

Issue Date:02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0002

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.67
2.	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	Ppm	0.2	<0.02
3.	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.49
4.	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.43

Note: USEPA- United States Environmental Protection Agency

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product Water

Location-1: Piezo Well No-1- Water-East Side (PW-1)

Location-2: Piezo Well No-2-Water-South Side (PW-2)

Date of Monitoring:20.05.2025

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0001

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-1	PW-2
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.2	7.6
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.1	1.1
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.5	0.2
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,246	1,143
5	Temperature	--	°C	--	--	22.8	24.2
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	26	30
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	473	394
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	198	167
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	178	180
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	32.2	46.4
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	24.5	21.8
12	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	<0.1	<0.1
13	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	<0.1	<0.1
14	Calcium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	148	170
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	72	98
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	137	156
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	27	29
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	160	162

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-1	PW-2
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	72.3	84.8
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	29.8	32.6
21	Chemical Oxygen Demand	IS3025(P-58)2006	mg/l	--	--	<5.0	<5.0
22	Biochemical Oxygen Demand (3 days at 27°C)	IS3025(P-44)1993	mg/l	--	--	<3.0	<3.0
23	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.05	0.07
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.62	0.84
25	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	<0.01	<0.01
26	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
27	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
28	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
29	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
30	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
31	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
32	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
33	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
34	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<0.01	<0.01
35	Total Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.01	<0.01
36	Aluminium as Al	IS3025(P-55)2003	mg/l	0.5	1.0	<0.01	<0.01
37	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
38	Dissolved Oxygen	IS3025(P-38)1989	mg/l	--	--	4.2	4.3
39	Oil & Grease	IS3025(P-39)2021	mg/l	--	--	<1.0	<1.0
40	Phosphates as PO ₄	IS3025(P-31)1998	mg/l	--	--	<0.01	<0.01
41	Percent Sodium	IS3025(P-45)1993	%	--	--	29.2	31.4
42	E-Coli	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
43	Total Coliforms	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/ 100ml	--	--	Absent	Absent

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product Water

Location-3: Piezo Well No-3- Water-West Side (PW-3)

Location-4: Piezo Well No-4-Water- North Side (PW-4)

Date of Monitoring: 20.05.2025

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date: 27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0002

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	UNITS	TEST METHOD	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-3	PW-4
1	pH	--	IS3025(P-11)2021	6.5- 8.5	No Relaxation	7.6	7.4
2	Color	Hazen	IS3025(P-04)2021	1.0	5.0	0.8	0.9
3	Turbidity	NTU	IS3025(P-10)1984	1.0	5.0	0.3	0.2
4	Electric Conductivity	µs/cm	IS3025(P-14)2013	--	--	1,369	1,526
5	Temperature	°C	--	--	--	24.9	22.8
6	Total Suspended Solids	mg/l	IS3025(P-17)1984	--	--	45	51
7	Total Dissolved Solids	mg/l	IS3025(P-16)1984	500	2000	368	474
8	Total Hardness as CaCO ₃	mg/l	IS3025(P-23)1986	200	600	181	198
9	Total Alkalinity as CaCO ₃	mg/l	IS3025(P-23)1986	200	600	178	184
10	Calcium as Ca	mg/l	IS3025(P-40)1991	75	200	45	54
11	Magnesium as Mg	mg/l	IS3025(P-40)1991	30	100	25	24
12	Free Residual Chlorine	mg/l	IS3025(P-26)1986	0.2	No Relaxation	<0.1	<0.1
13	Boron as B	mg/l	IS3025(P-57)2021	0.5	1.0	0.4	0.2
14	Calcium Hardness as CaCO ₃	mg/l	IS3025(P-40)1991	--	--	148	169
15	Magnesium Hardness as CaCO ₃	mg/l	IS3025(P-40)1991	--	--	148	124
16	Sodium as Na	mg/l	IS3025(P-45)1993	--	--	132	124
17	Potassium as K	mg/l	IS3025(P-45)1993	--	--	39	28
18	Chloride as Cl	mg/l	IS3025(P-32)1988	250	1000	192	178

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-3	PW-4
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	85.9	96.6
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	36.8	22.0
21	Chemical Oxygen Demand	IS3025(P-58)2006	mg/l	--	--	<5.0	<5.0
22	Biochemical Oxygen Demand (3 days at 27°C)	IS3025(P-44)1993	mg/l	--	--	<3.0	<3.0
23	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.34	0.21
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.66	0.81
25	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	<0.01	<0.01
26	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
27	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
28	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
29	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
30	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
31	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
32	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
33	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
34	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<0.01	<0.01
35	Total Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.01	<0.01
36	Aluminium as Al	IS3025(P-55)2003	mg/l	0.5	1.0	<0.01	<0.01
37	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
38	Dissolved Oxygen	IS3025(P-38)1989	mg/l	--	--	5.6	4.7
39	Oil & Grease	IS3025(P-39)2021	mg/l	--	--	<1.0	<1.0
40	Phosphates as PO ₄	IS3025(P-31)1998	mg/l	--	--	<0.01	<0.01
41	Percent Sodium	IS3025(P-45)1993	%	--	--	25.6	30.4
42	E-Coli	ISO 9308-1	Per/100ml	Absent/100 ml	Absent/100 ml	Absent	Absent
43	Total Coliforms	ISO 9308-1	Per/100ml	Absent/100 ml	Absent/100 ml	Absent	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/100ml	--	--	Absent	Absent

K.S. Jay
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Praveesh W.
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Managing Director

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

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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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product Water

Location-5: Piezo Well No-5-Water –North West Side (PW-5)

Date of Monitoring: 20.05.2025

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date: 27.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0003

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	PW-5
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.6
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.4
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,301
5	Temperature	--	°C	--	--	19.6
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	50
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	341
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	189
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	171
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	64
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	17
12	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	<0.1
13	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	0.4
14	Calcium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	120
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	61
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	122
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	28
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	184

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	PW-5
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	62.4
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	34.2
21	Chemical Oxygen Demand	IS3025(P-58)2006	mg/l	--	--	<5.0
22	Biochemical Oxygen Demand (3 days at 27°C)	IS3025(P-44)1993	mg/l	--	--	<3.0
23	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.22
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.44
25	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	<0.01
26	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1
27	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001
28	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001
29	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001
30	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01
31	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01
32	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01
33	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01
34	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<0.01
35	Total Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.01
36	Aluminium as Al	IS3025(P-55)2003	mg/l	0.5	1.0	<0.01
37	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01
38	Dissolved Oxygen	IS3025(P-38)1989	mg/l	--	--	4.8
39	Oil & Grease	IS3025(P-39)2021	mg/l	--	--	<1.0
40	Phosphates as PO ₄	IS3025(P-31)1998	mg/l	--	--	<0.01
41	Percent Sodium	IS3025(P-45)1993	%	--	--	35.5
42	E-Coli	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent
43	Total Coliforms	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/ 100ml	--	--	Absent

K.S. Jay
Verified by



Praveesh W.
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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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product Water

Location-1: Piezo Well No-1- Water-East Side (PW-1)

Location-2: Piezo Well No-2-Water-South Side (PW-2)

Date of Monitoring: 26.08.2025

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

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

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-1	PW-2
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.1	7.9
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0	1.0
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.1	0.2
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,151	1,167
5	Temperature	--	°C	--	--	23.4	25.3
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	26	30
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	474	385
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	186	176
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	154	181
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	34.5	46.9
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	25.3	22.8
12	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	<0.1	<0.1
13	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	<0.1	<0.1
14	Calcium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	157	171
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	76	81
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	143	170
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	24	32
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	175	184

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-1	PW-2
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	72.8	83.4
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	30.1	34.7
21	Chemical Oxygen Demand	IS3025(P-58)2006	mg/l	--	--	<5.0	<5.0
22	Biochemical Oxygen Demand (3 days at 27°C)	IS3025(P-44)1993	mg/l	--	--	<3.0	<3.0
23	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.02	0.01
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.76	0.84
25	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	<0.01	<0.01
26	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
27	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
28	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
29	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
30	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
31	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
32	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
33	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
34	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<0.01	<0.01
35	Total Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.01	<0.01
36	Aluminium as Al	IS3025(P-55)2003	mg/l	0.5	1.0	<0.01	<0.01
37	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
38	Dissolved Oxygen	IS3025(P-38)1989	mg/l	--	--	4.2	4.5
39	Oil & Grease	IS3025(P-39)2021	mg/l	--	--	<1.0	<1.0
40	Phosphates as PO ₄	IS3025(P-31)1998	mg/l	--	--	<0.01	<0.01
41	Percent Sodium	IS3025(P-45)1993	%	--	--	33.5	35.7
42	E-Coli	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
43	Total Coliforms	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/ 100ml	--	--	Absent	Absent

K.S. Jay
Verified by



Praveesh W.
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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-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product Water

Location-3: Piezo Well No-3- Water-West Side (PW-3)

Location-4: Piezo Well No-4-Water- North Side (PW-4)

Date of Monitoring: 26.08.2025

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0002

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	UNITS	TEST METHOD	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-3	PW-4
1	pH	--	IS3025(P-11)2021	6.5- 8.5	No Relaxation	8.1	7.9
2	Color	Hazen	IS3025(P-04)2021	1.0	5.0	1.0	1.0
3	Turbidity	NTU	IS3025(P-10)1984	1.0	5.0	0.2	0.1
4	Electric Conductivity	µs/cm	IS3025(P-14)2013	--	--	1,387	1,441
5	Temperature	°C	--	--	--	25.4	26.8
6	Total Suspended Solids	mg/l	IS3025(P-17)1984	--	--	51	38
7	Total Dissolved Solids	mg/l	IS3025(P-16)1984	500	2000	358	476
8	Total Hardness as CaCO ₃	mg/l	IS3025(P-23)1986	200	600	181	194
9	Total Alkalinity as CaCO ₃	mg/l	IS3025(P-23)1986	200	600	173	188
10	Calcium as Ca	mg/l	IS3025(P-40)1991	75	200	50	59
11	Magnesium as Mg	mg/l	IS3025(P-40)1991	30	100	31	28
12	Free Residual Chlorine	mg/l	IS3025(P-26)1986	0.2	No Relaxation	<0.1	<0.1
13	Boron as B	mg/l	IS3025(P-57)2021	0.5	1.0	0.1	0.2
14	Calcium Hardness as CaCO ₃	mg/l	IS3025(P-40)1991	--	--	164	181
15	Magnesium Hardness as CaCO ₃	mg/l	IS3025(P-40)1991	--	--	140	134
16	Sodium as Na	mg/l	IS3025(P-45)1993	--	--	156	147
17	Potassium as K	mg/l	IS3025(P-45)1993	--	--	40	34
18	Chloride as Cl	mg/l	IS3025(P-32)1988	250	1000	191	184

K.S. Jay
Verified by



Praveesh W.
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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-3	PW-4
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	86.1	95.4
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	35.7	23.5
21	Chemical Oxygen Demand	IS3025(P-58)2006	mg/l	--	--	<5.0	<5.0
22	Biochemical Oxygen Demand (3 days at 27°C)	IS3025(P-44)1993	mg/l	--	--	<3.0	<3.0
23	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.53	0.41
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.84	0.87
25	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	<0.01	<0.01
26	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
27	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
28	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
29	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
30	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
31	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
32	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
33	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
34	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<0.01	<0.01
35	Total Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.01	<0.01
36	Aluminium as Al	IS3025(P-55)2003	mg/l	0.5	1.0	<0.01	<0.01
37	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
38	Dissolved Oxygen	IS3025(P-38)1989	mg/l	--	--	5.7	4.0
39	Oil & Grease	IS3025(P-39)2021	mg/l	--	--	<1.0	<1.0
40	Phosphates as PO ₄	IS3025(P-31)1998	mg/l	--	--	<0.01	<0.01
41	Percent Sodium	IS3025(P-45)1993	%	--	--	23.4	30.2
42	E-Coli	ISO 9308-1	Per/100ml	Absent/100 ml	Absent/100 ml	Absent	Absent
43	Total Coliforms	ISO 9308-1	Per/100ml	Absent/100 ml	Absent/100 ml	Absent	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/100ml	--	--	Absent	Absent

K.S. Jay
Verified by



Praveesh W.
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





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-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product Water

Location-5: Piezo Well No-5-Water –North West Side (PW-5)

Date of Monitoring: 26.08.2025

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Analysis Completed Date: 02.09.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0003

Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	PW-5
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.9
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.3
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,281
5	Temperature	--	°C	--	--	23.7
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	54
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	383
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	192
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	164
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	80
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	24
12	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	<0.1
13	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	0.1
14	Calcium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	128
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	74
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	135
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	31
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	191

K.S. Jay
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Managing Director

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

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	PW-5
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	63.2
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	35.8
21	Chemical Oxygen Demand	IS3025(P-58)2006	mg/l	--	--	<5.0
22	Biochemical Oxygen Demand (3 days at 27°C)	IS3025(P-44)1993	mg/l	--	--	<3.0
23	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.35
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.54
25	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	<0.01
26	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1
27	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001
28	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001
29	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001
30	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01
31	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01
32	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01
33	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01
34	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<0.01
35	Total Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.01
36	Aluminium as Al	IS3025(P-55)2003	mg/l	0.5	1.0	<0.01
37	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01
38	Dissolved Oxygen	IS3025(P-38)1989	mg/l	--	--	5.0
39	Oil & Grease	IS3025(P-39)2021	mg/l	--	--	<1.0
40	Phosphates as PO ₄	IS3025(P-31)1998	mg/l	--	--	<0.01
41	Percent Sodium	IS3025(P-45)1993	%	--	--	35.6
42	E-Coli	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent
43	Total Coliforms	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/ 100ml	--	--	Absent

K.S.Laj
Verified by



P. Suresh W.
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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1
(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Wastewater

Sample Location: **Ash Pond Effluent Water**

Date of Monitoring: 20.05.2025

Sample Collected By: Ganesh

Sample Registration Date:21.05.2025

Analysis Starting Date:21.05.2025

Analysis Completed Date:27.05.2025

Issue Date:27.05.2025

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	7.20
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	76
5.	Chemical Oxygen Demand (COD)	mg/l	IS:3025(Part-58)-2006	250	92
6.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	mg/l	IS:3025(Part-44)-1993	100	51
7.	Oil & Grease	mg/l	IS:3025(Part-39)-1991	10	5.2
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. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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TEST REPORT

ISSUED TO:

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(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Wastewater

Sample Location: **Ash Pond Effluent Water**

Date of Monitoring: **26.08.2025**

Sample Collected By: Ganesh

Sample Registration Date: **28.08.2025**

Analysis Starting Date: **28.08.2025**

Analysis Completed Date: **02.09.2025**

Issue Date: **02.09.2025**

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	7.51
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	82
5.	Chemical Oxygen Demand (COD)	mg/l	IS:3025(Part-58)-2006	250	94
6.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	mg/l	IS:3025(Part-44)-1993	100	71
7.	Oil & Grease	mg/l	IS:3025(Part-39)-1991	10	6.5
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

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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Water

Location: Boiler Feed Water

Qty: 1 Ltrs

Packing: Plastic Container

Date Of Sampling: 13.05.2025

Sample Registration Date: 13.05.2025

Analysis Starting Date: 19.05.2025

Issue Date: 19.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0001

Sample collected person details: S. Ganesh

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Total Suspended Solids	IS 3025(P-17)1984	mg/l	100	6.9
2	Oil & Grease	IS 3025(P-39)2021	mg/l	10	<1.0
3	Copper (Total)	IS 3025(P-42)1992	mg/l	1.0	0.81
4	Ferrous as Fe ⁺	IS 3025(P-53)2003	mg/l	1.0	0.53
5	Free Available Chlorine	IS 3025(P-26)1986	mg/l	0.5	0.06

K.S.Laj
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P. Ganesh W.
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Managing Director

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Water

Location: Cooling Tower Blow Down

Qty: 1 Ltrs

Packing: Plastic Container

Date Of Sampling: 13.05.2025

Sample Registration Date: 13.05.2025

Analysis Starting Date: 19.05.2025

Issue Date: 19.05.2025

Lab Ref: SEPL/ES/SEILEILP/05-25/0002

Sample collected person details: S. Ganesh

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Zinc	IS 3025(P-49)1994	mg/l	1.0	0.70
2	Chromium (Total)	IS 3025(P-52)2023	mg/l	0.2	BDL
3	Phosphate	IS 3025(P-31)1998	mg/l	5.0	3.6
4	Free Available Chlorine	IS 3025(P-26)1986	mg/l	0.5	0.2

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(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Water

Location: Boiler Feed Water

Qty: 1 Ltrs

Packing: Plastic Container

Date Of Sampling: 26.08.2025

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Issue Date: 02.09.2025

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

Sample collected person details: S. Ganesh

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Total Suspended Solids	IS 3025(P-17)1984	mg/l	100	8.3
2	Oil & Grease	IS 3025(P-39)2021	mg/l	10	<1.0
3	Copper (Total)	IS 3025(P-42)1992	mg/l	1.0	0.94
4	Ferrous as Fe ⁺	IS 3025(P-53)2003	mg/l	1.0	0.75
5	Free Available Chlorine	IS 3025(P-26)1986	mg/l	0.5	0.02

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SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Water

Product: Water

Location: Cooling Tower Blow Down

Qty: 1 Ltrs

Packing: Plastic Container

Date Of Sampling: 26.08.2025

Sample Registration Date: 28.08.2025

Analysis Starting Date: 28.08.2025

Issue Date: 02.09.2025

Lab Ref: SEPL/ES/SEILEILP/08-25/0002

Sample collected person details: S. Ganesh

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Zinc	IS 3025(P-49)1994	mg/l	1.0	0.78
2	Chromium (Total)	IS 3025(P-52)2023	mg/l	0.2	BDL
3	Phosphate	IS 3025(P-31)1998	mg/l	5.0	4.2
4	Free Available Chlorine	IS 3025(P-26)1986	mg/l	0.5	0.3

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PUBLIC LIABILITY INSURANCE
(UNDER PUBLIC LIABILITY INSURANCE ACT 1991)

ANNEXURE-V

PREAMBLE

ICICI Lombard General Insurance Company Limited ("the Company"), having received a Proposal and the premium from the proposer named in the Schedule referred to herein below, and the said Proposal and Declaration together with any statement, report or other document leading to the issue of this Policy and referred to therein having been accepted and agreed to by the Company and the Proposer as the basis of this contract do, by this Policy agree, in consideration of and subject to the due receipt of the subsequent premiums, as set out in the Schedule with all its Parts, and further, subject to the terms and conditions contained in this

Policy, as set out in the Schedule with all its Parts that on proof to the satisfaction of the Company of the compensation having become payable as set out in Part I of the Schedule to the title of the said person or persons claiming payment or upon the happening of an event upon which one or more benefits become payable under this Policy, the Sum Insured/ appropriate benefit will be paid by the Company.

PART I OF SCHEDULE		POLICY No : 4007/388642207/00/000	
1	Name of the insured	SEIL ENERGY INDIA LIMITED	
2	Mailing Address of the insured	SEIL ENERGY INDIA LIMITED -P1, PYNAMPURAM, NELATURU VILLAGE, MUTHUKURU, SEIL ENERGY INDIA LIMITED -P2 INDIA ANDHRA PRADESH NELLORE PIN - 524344	
3	Trade or Business of the insured	Thermal power plant	
4	Address of Premises insured	SEIL Energy India Limited -P1, Pynampuram, Nelaturu village, Muthukuru, Nellore -424344, SEIL Energy India Limited -P2, Ananthavaram village, Thotapalli gudur mandal, varakavipudi panchayath, Nellore-524344	
5	Paid Up Capital	39,62,24,50,000	
6	Policy period	26/03/2025	25/03/2026
		From : 00 : 00	To : 23 : 59
7	Turnover	110,70,70,00,000	
8	Limit of Indemnity	1 : 2	
	Aggregate One Year (AOY)	5,00,00,00,000	
	Any One Accident (AOA)	2,50,00,00,000	
9	Compulsory Excess	0/- [each and every claim]	

10	Total Premium	28,00,000
	ERF Contribution	28,00,000
	GST	504,000
	Total Payable	6,104,000
11	Co-insurance details	<p>ICICI LOMBARD GENERAL INSURANCE COMPANY LTD. : 40 [Leader]</p> <p>SBI GENERAL INSURANCE COMPANY LIMITED : 20%</p> <p>IFFCO TOKIO GENERAL INSURANCE COMPANY LIMITED : 15%</p> <p>GO DIGIT GENERAL INSURANCE CO LTD : 15%</p> <p>CHOLAMANDALAM MS GENERAL INSURANCE COMPANY LTD. : 10%</p>
12	Special conditions	NA
13	Intermediary Details	<p>Intermediary Code : NA</p> <p>Intermediary Name: Direct</p>
14	GSTIN Reg. No	36AAACI7904G1ZO
	ILGIC GSTIN Address	Second Floor, Shop No. 1-7, 18-20, Lumbili Jewel Mall, Road No.02, Banjara Hills, Hyderabad

The stamp duty of Rs. 0.50/- (Fifty Paise Only) paid in cash or by demand draft or by pay order,vide Receipt/Challan No.CSD10520244764 dated. 01st February 2025.

Signed for and on behalf of ICICI Lombard General Insurance Company Limited, at Mumbai on this date APRIL 11, 2025.

Gaurav Arora

Authorised Signatory

GSTIN Reg No: 36AAACI7904G1ZO

ILGIC GSTIN Address: D. No : 6-3-352 / 1, Second and Third Floor, Osman Plaza, Road No 1, Hyderabad, Telangana 500034

Description of services: General Insurance Business

HSN/SAC : 9971

Policy shall stand cancelled ab initio in the event of non-realization of the premium.

"Note- In case of renewal of the policy, policy benefit and terms & conditions of policy including premium may be subject to change."

PART II OF SCHEDULE

1. Definitions

For the purpose of this policy, the following terms shall have the meaning as set forth hereunder:

- i. "Act" unless otherwise specifically mentioned shall mean the Public Liability Insurance Act 1991 as amended from time to time.
- ii. "Accident" means an accident involving a fortuitous, sudden or unintentional occurrence while handling any hazardous substance resulting in continuous, intermittent or repeated exposure to death of, or injury to any person or damage to any property but does not include an accident by reason only of war or radioactivity.
- iii. "Handling" in relation to any hazardous substance means the manufacture, processing, treatment, package, storage, transportation by vehicle, use, collection, destruction, conversion, offering for sale, transfer or the like of such hazardous substance.
- iv. "Hazardous Substance" and group means any substance or preparation which is defined as hazardous substance under the Public Liability Insurance Act, 1991 and the Rules framed there under
- v. "Owner" or "Insured" means a person who owns, or has control over handling of any hazardous substance at the time of accident and includes:
 - a. in the case of a firm, any of its partners
 - b. in the case of an association, any of its members, and
 - c. in the case of a company, any of its directors, managers, secretaries or other officers who is directly in charge of, and is responsible to the company for the conduct of the business of the company
- vi. "Turnover" shall mean
 - a. In case of Manufacturing Units - Entire annual gross sales turnover including all levies and taxes of manufacturing units handling hazardous substance as defined in the Public Liability Insurance Act, 1991.

For the purpose of this insurance, the term “Units” shall mean all operations being carried out in the manufacturing complex in one location.

- b. In case of Godowns/ Warehouse Owners – Total annual rental receipts of premises handling hazardous substance as defined in the Public Liability Insurance Act, 1991.
- c. In case of Transport Operators – Total annual freight receipts
- d. In all other cases – Total annual gross receipts

2. Scope of Cover

The Company hereby agrees, subject to the terms, conditions and exclusions herein contained or endorsed or otherwise expressed herein, to indemnify the Insured or Owner as defined above for the purpose of this policy against the statutory liability arising out of Accidents occurring during the currency of the Policy due to handling of hazardous substances as provided for in the Act as defined above, and the Rules framed there under.

3. Exclusions

The Company shall not be liable:

- i. For any willful or intentional non-compliance of any statutory requirements; ii. In respect of fines, penalties, punitive and /or exemplary damages;
- iii. Under any law or legislation except in so far as provided for in Section 8 (1) & 8 (2) of the Act;
- iv. In respect of damage to property owned, leased or hired or under hire purchase or on loan to the Insured or otherwise in the Insured Owner's control, care or custody;
- v. For any liability directly or indirectly occasioned by, happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not) civil war, rebellion, revolution, insurrection or military or usurped power;
- vi. For any liability directly or indirectly caused by or contributed to by:
 - a. Ionizing radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel.
 - b. The radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof;
- vii. For matter outside the scope of Public Liability Insurance Act, 1991. viii. In respect of losses/liability arising outside India.

4. Basis of Assessment of Claims

- i. The basis of assessment of claim shall be the award given by the appropriate authority under the Act.
- ii. Claim Procedures:

The procedure for lodging the claim shall be as under:

- a. On the occurrence of any Accident, whether or not the Insured receives any notice of an alleged claim / complaint, the Insured shall duly inform the Company in the manner prescribed in the 'Incident Reporting Form', detailing the Accident.

- b. The Insured shall, upon receipt of any notice of an alleged claim / complaint from appropriate authority, forthwith furnish the same to the Company in the manner detailed in the 'Claim Application Form'. The insured shall also furnish the copies of such documents, as prescribed by the rules, which are submitted and forwarded by the appropriate authority and/or any proposed responses, if any, by the Insured to the appropriate authorities.
- c. Upon the affixing of any legal liability upon the Insured in terms of an award of the appropriate authority, the Insured shall forthwith submit a duly filled 'Claim Settlement Form', detailing the liability accrued and the Defence Costs, if any together with any other information that the Company may require or as specified in the 'Claim Settlement Form'.
- d. The Insured shall also at all times at his own expense produce, procure and give to the Company all such further particulars, plans, specifications, books, vouchers, invoices, duplicates or copies thereof, documents, investigation reports (internal/external), proofs, evidence and information with respect to the claim (verified by statutory declaration, if so required) and the origin and cause of the loss and the circumstances under which the loss or damage occurred, and any matter touching the liability or the amount of the liability of the Company as may be reasonably required by or on behalf of the Company together with a declaration on oath or in other legal form of the truth of the claim and of any matters connected therewith.
- e. Subject to applicable law, rule, regulation or notification in this behalf, the Company hereby reserves the right as provided hereafter:

No claim in respect of loss equal to or exceeding twenty thousand rupees in value on the policy shall be admitted for payment or settled by the Company unless the Company has been given a report on the occurrence of the loss and extent of the loss, from a person who holds a license to act as a Surveyor or loss assessor, under the Insurance Act, 1938, and appointed by the company for the purpose.

Provided that nothing hereinabove shall be deemed to take away or abridge the right of the Company to pay or to settle any claim at any amount different from the amount assessed by the Surveyor or loss assessor.

- f. The Insured shall furnish the forms duly completed together with:
 - i. all material documents, as specified therein or as requested by the Company or otherwise;
 - ii. particulars of all other insurances, if any

No claim under this policy shall be payable unless the terms of this condition have been complied with

5. Limitation Period

In no case whatsoever shall the Company be liable for any claim for relief made after the expiry of 5 years from the date of occurrence of the Accident.

6. Policy Related Terms And Conditions

- 1. No admission, offer, promise or payment shall be made or given by or on behalf of the Insured under this policy without the written consent of the Company.
- 2. The Insured shall keep a record of their Turnover. The Company shall at all times have full rights to call for and examine such records.
- 3. In case the Company pays any amount to the claimant due to any statutory provision, such amount shall be recoverable from the Insured, if such amount need not have been paid but for the said statutory provision

PART III OF THE SCHEDULE

Standard Terms and Conditions

1. Incontestability and Duty of Disclosure

The policy shall be null and void and no benefit shall be payable in the event of untrue or incorrect statements, misrepresentation, incorrect description or non-disclosure in any material particular in the proposal form, personal statement, declaration and connected documents, or any material information having been withheld, or a claim being fraudulent or any fraudulent means or devices being used by the Insured or any one acting on his behalf to obtain any benefit under this policy

2. Reasonable Care

The Insured shall take all reasonable steps to safeguard the interests of the Insured against accidental loss, or damage that may give rise to the claim

3. Observance of terms and conditions

The due observance and fulfillment of the terms, conditions and endorsement of this policy in so far as they relate to anything to be done or complied with by the Insured, shall be a condition precedent to any liability of the Company to make any payment under this policy

4. Material change

The Insured shall immediately notify the Company by fax and in writing of any material change in the risk and cause at his own expense such additional precautions to be taken as circumstances may require to ensure safe operation of the Insured items or trade or business practices thereby containing the circumstances that may give rise to the claim and the Company may, adjust the scope of cover and / or premium, if necessary, accordingly

5. Records to be maintained

The Insured shall keep an accurate record containing all relevant particulars and shall allow the Company to inspect such record. The Insured shall within one month after the expiry of each period of insurance furnish such information as the Company may require

6. No constructive Notice

Any of the circumstances in relation to these conditions coming to the knowledge of any official of the Company shall not be the notice to or be held to bind or prejudicially affect the Company notwithstanding subsequent acceptance of any premium

7. Notice of charge etc

The Company shall not be bound to notice or be affected by any notice of any trust, charge, lien, assignment or other dealing with or relating to this policy but the receipt of the Insured or his legal personal representative shall in all cases be an effectual discharge to the company

8. Special Provisions

Any special provisions subject to which this policy has been entered into and endorsed in the policy or in any separate instrument shall be deemed to be part of this policy and shall have effect accordingly

9. Overriding effect of Part II of the Schedule

The terms and conditions contained herein and in Part II of the Schedule shall be deemed to form part of the policy and shall be read as if they are specifically incorporated herein; however, in case of any inconsistency of any term and condition with the scope of cover contained in Part II of the Schedule, then the term(s) and condition(s) contained herein shall be read mutatis mutandis with the scope of cover/terms and conditions contained in Part II of the Schedule and shall be deemed to be modified accordingly or superseded in case of inconsistency being irreconcilable

10. Electronic Transactions

The Insured agrees to adhere to and comply with all such terms and conditions as the Company may prescribe from time to time, and hereby agrees and confirms that all transactions effected by or through facilities for conducting remote transactions including the Internet, World Wide Web, electronic data interchange, call centers, teleservice operations (whether voice, video, data or combination thereof) or by means of electronic, computer, automated machines network or through other means of telecommunication, established by or on behalf of the Company, for and in respect of the policy or its terms, or the Company's other products and services, shall constitute legally binding and valid transactions when done in adherence to and in compliance with the Company's terms and conditions for such facilities, as may be prescribed from time to time. The Insured agrees that the Company may exchange, share or part with any information to or with other ICICI Group Companies or any other person in connection with the Policy, as may be determined by the Company and shall not hold the Company liable for such use/application

11. Duties of the Insured on occurrence of loss

On the occurrence of any loss, within the scope of cover under the policy the Insured shall:

- I. Forthwith file/submit a Claim Form in accordance with Claim Procedure Clause as provided in Part II of the Schedule.
- II. Allow the Surveyor or any agent of the Company to inspect the lost/damaged properties/premises/goods or any other material items, as per the Right to Inspect Clause as provided in this Part.
- III. Assist and not hinder or prevent the Company or any of its agents in pursuance of their duties under Rights of the Company On Happening Of Loss Or Damage Clause as provided in this Part.
- IV. Not abandon the insured property/item/premises, nor take any steps to rectify/remedy the damage before the same has been approved by the Company or any of its agents or the Surveyor.

If the Insured does not comply with the provisions of this Clause or other obligations cast upon the Insured under this policy, in terms of the other clauses referred to herein or in terms of the other clauses in any of the policy documents, all benefits under the policy shall be forfeited, at the option of the Company

12. Rights of the Company on happening of loss or damage

On the happening of loss or damage, or circumstances that have given rise to a claim under this policy, the Company may:

1. enter and/or take possession of the insured property, where the loss or damage has happened
2. take possession of or require to be delivered to it any property of the Insured in the building or on the premises at the time of the loss or damage
3. keep possession of any such property and examine, sort, arrange, remove or other wise deal with the same; and,
4. sell any such property or dispose of the same for account of whom it may concern.

The powers conferred by this condition shall be exercisable by the Company at any time until notice in writing is given by the Insured that he makes no claim under the policy, or if any claim is made, until such claim is finally determined or withdrawn. The Company shall not by any act done in the exercise or purported exercise of its powers hereunder incur any liability to the Insured or diminish its rights to rely upon any of the conditions of this policy in answer to any claim.

If the insured or any person on his behalf shall not comply with the requirement of the Company, or shall hinder or obstruct the Company in the exercise of the powers hereunder, all benefits under the policy shall be forfeited at the option of the Company

13. Right to inspect

If required by the Company, an agent/representative of the Company including a loss assessor or a Surveyor appointed in that behalf shall in case of any loss or any circumstances that have given rise to the claim to the Insured be permitted at all reasonable times to examine into the circumstances of such loss. The Insured shall on being required so to do by the Company produce all books of accounts, receipts, documents relating to or containing entries relating to the loss or such circumstance in his possession and furnish copies of or extracts from such of them as may be required by the Company so far as they relate to such claims or will in any way assist the Company to ascertain in the correctness thereof or the liability of the Company under the policy

14. Position after a claim

The Insured shall not be entitled to abandon any insured item/property whether the Company has taken possession of the same or not. As from the day of receipt of the claim amount by the Insured as determined by the Company to be fit and proper, the Sum Insured for the remainder of the period of Insurance shall stand reduced by the amount of the compensation

15. Subrogation

In the event of payment under this policy, the Company shall be subrogated to all the Insured's rights or recovery thereof against any person or organisation, and the Insured shall execute and deliver instruments and papers necessary to secure such rights.

The Insured and any claimant under this policy shall at the expense of the Company do and concur in doing and permit to be done, all such acts and things as may be necessary or required by the Company, before or after Insured's indemnification, in enforcing or endorsing any rights or remedies, or of obtaining relief or indemnity, to which the Company shall be or would become entitled or subrogated

If at the time of the happening of any loss or damage covered by this policy, there shall be existing any other insurance of any nature whatsoever covering the same, whether effected by the Insured or not, then the Company shall not be liable to pay or contribute more than its ratable proportion of any loss or damage

17. Fraudulent claims

If any claim is in any respect fraudulent, or if any false statement, or declaration is made or used in support thereof, or if any fraudulent means or devices are used by the Insured or anyone acting on his behalf to obtain any benefit under this policy, or if a claim is made and rejected and no court action or suit is commenced within twelve months after such rejection or, in case of arbitration taking place as provided therein, within twelve (12) calendar months after the Arbitrator or Arbitrators have made their award, all benefits under this policy shall be forfeited

18. Cancellation/termination

The insured can cancel the policy at any time during the term, by informing the company.

The company can cancel the policy only on the grounds of established fraud, by giving minimum notice of 7 days to the policyholder.

The company shall –

i) refund proportion premium for unexpired policy period, if the term of the policy is upto one year and there is no claim(s) made during the policy period. ii) refund premium for the unexpired policy period, in respect of policy with the term more than one year and the risk coverage for such policy years has not commenced.

19. Cause of Action/ Currency for payments

No Claims shall be payable under this policy unless the cause of action arises in India, unless otherwise specifically provided in Part II of the Schedule to this policy. All claims shall be payable in India in Indian Rupees only

20. Policy Disputes

Any dispute concerning the interpretation of the terms, conditions, limitations and/or exclusions contained herein is understood and agreed to by both the Insured and the Company to be subject to Indian Law. Each party agrees to submit to the exclusive jurisdiction of the High Court of India and to comply with all requirements necessary to give such Court the jurisdiction. All matters arising hereunder shall be determined in accordance with the law and practice of such Court

21. Renewal notice

Every renewal premium (which shall be paid and accepted in respect of this policy) shall be so paid and accepted upon the distinct understanding that no alteration has taken place in the facts contained in the proposal or declaration herein before mentioned and that nothing is known to the Insured that may result to enhance the risk of the company under the guarantee hereby given. No renewal receipt shall be valid unless it is on the printed form of the Company and signed by an authorized official of the Company

22. Notices
Any notice, direction or instruction given under this policy shall be in writing and delivered by hand, speed/registered post or courier to

In case of the Insured, at the address specified in Part 1 of the Schedule.

In case of the Company:

ICICI Lombard General Insurance Company Limited
Corporate Office: ICICI LOMBARD HOUSE, 414 VEER SAVARKAR MARG, PRABHADEVI, MUMBAI 400025.

Notice and instructions will be deemed served 7 days after posting or immediately upon receipt in the case of hand delivery, facsimile or e-mail

23. Customer Service

If at any time the Insured requires any clarification or assistance, the Insured may contact the offices of the Company at the address specified, during normal business hours

If at any time the Insured requires any clarification or assistance, the Insured may contact the offices of the Company at the address specified, during normal business hours

24. Claim Clause/Settlement of Claim

1) Claim Intimation: Connect with us via: Toll-free no.: 1800 2666, Email ID: customersupport@icicilombard.com, on our website: <https://coclaims.icicilombard.com/claimstracker/CommercialClaims/ccplandingpage.aspx>

Register the claim and submit claim related documents along with claim form. You will receive a claim reference number as your reference point for future correspondence.

2) File an FIR: In case of third-party property damage/bodily injury, fire etc. if applicable as per policy terms and conditions.

3) Surveyor Appointment: Your Claims Manager (CSM) will contact you and appoint a licensed surveyor basis claim eligibility within 24 hours of reporting the claim

4) Documents: submit documents to the assigned CSM/Surveyor.

List of documents which are necessary and relevant to the claim are as below:

1. Claim bill / Claim Form duly filled up
 2. Photographs / Video of damaged property/item under claim
 3. Document/s in support of admissibility of the claim, for instance, all proceedings filed before the courts, communications exchanged with the insured, invoices, payment proofs, internal /external investigation report of the insured, Insureds counsel opinion on merits and demerits of the case, insured counsel engagement letter etc.
 4. FIR / Final Police investigation report wherever applicable
 5. For items which are to be repaired or reinstated, repair/ replacement quotation, invoice and payment proofs for each and every item as claimed.
 6. For items which are under claim & not to be repaired or reinstated, documents substantiating the quantum & value of the items under claim
 7. Offer for retention of salvage, if any
 8. KYC / NEFT Details as per AML guidelines
 9. Invoice copy / Goods Receipt Note / Monetary Claim on carrier / Damage Certificate
 10. Any other document which may be specified by the surveyor post completion of initial survey
- 5) Assessment Approval: Repair/Replacement details submitted in support of the claim will be assessed and approved by CSM/surveyor
- 6) Salvage: The amount that is assessed which the damaged asset will fetch in the open market (wherever applicable).
- 7) Turnaround Time (TAT): Assessment sheet /Survey report will be furnished within 15 days of receipt of claim form and documents. Claim will be decided within 7 days of receipt of the assessment sheet / survey report, as applicable.

25 Grievances

For resolution of any query or grievance, Insured may contact the respective branch office of the Company or may call toll free no.1800-2666 or may approach us at the sub section "Grievance Redressal" on our website www.icicilombard.com (Customer Support section). However, if the resolution provided by us is not satisfactory you may approach Insurance Regulatory and Development Authority of India (IRDAI) through the Bima Bharosa Portal - <https://bimabharosa.irdai.gov.in/> or IRDAI Grievance Call Centre (IGCC) at their toll free no. 1800 4254 732 / 155255.

You may also approach Insurance Ombudsman, subject to vested jurisdiction, for the redressal of grievance. Details of Insurance Ombudsman offices are available at IRDAI website: www.irdaindia.org, or on the Company's website at www.icicilombard.com.

The details of Insurance Ombudsman are available below:

S no.	Name of office of insurance Ombudsman	Territorial Area of jurisdiction
1	AHMEDABAD Insurance Ombudsman Office of the Insurance Ombudsman, Jeevan Prakash Building, 6th floor, Tilak Marg, Relief Road, Ahmedabad – 380 001. Tel.: 079 - 25501201/02/05/06 Email: bimalokpal.ahmedabad@cioins.co.in	Gujarat, Dadra & Nagar Haveli, Daman and Diu.
2	BENGALURU Insurance Ombudsman Office of the Insurance Ombudsman, Jeevan Soudha Building,PID No. 57-27-N-19 Ground Floor, 19/19, 24th Main Road, JP Nagar, Ist Phase, Bengaluru – 560 078. Tel.: 080 - 26652048 / 26652049 Email: bimalokpal.bengaluru@cioins.co.in	Karnataka
3	BHOPAL Insurance Ombudsman Office of the Insurance Ombudsman, 1st floor,"Jeevan Shikha", 60-B,Hoshangabad Road, Opp. Gayatri Mandir, Bhopal – 462 011. Tel.: 0755 - 2769201 / 2769202 Email: bimalokpal.bhopal@cioins.co.in	Madhya Pradesh, Chattisgarh.
4	BHUBANESHWAR Insurance Ombudsman Office of the Insurance Ombudsman, 62, Forest park,	Odisha.
	Bhubaneswar – 751 009. Tel.: 0674 - 2596461 /2596455 Email: bimalokpal.bhubaneswar@cioins.co.in	

5	<p>CHANDIGARH</p> <p>Insurance Ombudsman</p> <p>Office Of The Insurance Ombudsman, Jeevan Deep Building SCO 20-27, Ground Floor Sector- 17 A, Chandigarh – 160 017. Tel.: 0172 - 4646394 / 2706468 Email: bimalokpal.chandigarh@cioins.co.in</p>	<p>Punjab, Haryana (excluding Gurugram, Faridabad, Sonapat and Bahadurgarh), Himachal Pradesh, Union Territory of Jammu & Kashmir, Ladakh & Chandigarh.</p>
6	<p>CHENNAI</p> <p>Insurance Ombudsman</p> <p>Office of the Insurance Ombudsman, Fatima Akhtar Court, 4th Floor, 453, Anna Salai, Teynampet, CHENNAI – 600 018. Tel.: 044 - 24333668 / 24333678 Email: bimalokpal.chennai@cioins.co.in</p>	<p>Tamil Nadu, Pondicherry Town and Karaikal (which are part of Pondicherry).</p>
7	<p>DELHI</p> <p>Insurance Ombudsman</p> <p>Office of the Insurance Ombudsman, 2/2 A, Universal Insurance Building, Asaf Ali Road, New Delhi – 110 002. Tel.: 011 – 23237539 Email: bimalokpal.delhi@cioins.co.in</p>	<p>Delhi & following District of Haryana – Gurugram, Faridabad, Sonapat and Bahadurgarh</p>
8	<p>ERNAKULAM</p> <p>Insurance Ombudsman</p> <p>Office of the Insurance Ombudsman, 2nd Floor, Pulinat Bldg., Opp. Cochin Shipyard, M. G. Road, Ernakulam - 682 015. Tel.: 0484 - 2358759 / 2359338 Fax: 0484 - 2359336 Email: bimalokpal.ernakulam@cioins.co.in</p>	<p>Kerala, Lakshadweep, Mahe-a part of Puducherry.</p>
9	<p>GUWAHATI</p> <p>Insurance Ombudsman</p> <p>Office of the Insurance Ombudsman, Jeevan Nivesh, 5th Floor,</p>	<p>Assam, Meghalaya, Manipur, Mizoram,</p>

	Nr. Panbazar over bridge, S.S. Road, Guwahati – 781001(ASSAM). Tel.: 0361 - 2632204 / 2602205 Email: bimalokpal.guwahati@ ciains.co.in	Arunachal Pradesh, Nagaland and Tripura.
10	HYDERABAD Insurance Ombudsman Office of the Insurance Ombudsman, 6-2-46, 1st floor, "Moin Court", Lane Opp. Saleem Function Palace, A. C. Guards, Lakdi-Ka-Pool, Hyderabad - 500 004. Tel.: 040 - 23312122 Email: bimalokpal.hyderabad@ciains.co.in	Andhra Pradesh, Telangana, Yanam and Part of Territory of Puducherry.
11	JAIPUR Insurance Ombudsman Office of the Insurance Ombudsman, Jeevan Nidhi – II Bldg., Gr. Floor, Bhawani Singh Marg, Jaipur - 302 005. Tel.: 0141- 2740363/2740798 Email: Bimalokpal.jaipur@ciains.co.in	Rajasthan.
12	KOLKATA Insurance Ombudsman Office of the Insurance Ombudsman, Hindustan Bldg. Annexe, 4th Floor, 4, C.R. Avenue, KOLKATA - 700 072. Tel.: 033 - 22124339 / 22124340 Fax : 033 - 22124341 Email: bimalokpal.kolkata@ ciains.co.in	West Bengal, Sikkim, Andaman & Nicobar Islands.
13	LUCKNOW Insurance Ombudsman Office of the Insurance Ombudsman, 6th Floor, Jeevan Bhawan, Phase-II, Nawal Kishore Road, Hazratganj, Lucknow - 226 001. Tel.: 0522 - 4002082 / 3500613 Email: bimalokpal.lucknow@ ciains.co.in	Districts of Uttar Pradesh : Laitpur, Jhansi, Mahoba, Hamirpur, Banda, Chitrakoot, Allahabad, Mirzapur, Sonbhadra, Fatehpur, Pratapgarh, Jaunpur,Varanasi, Gazipur, Jalaun, Kanpur, Lucknow, Unnao, Sitapur, Lakhimpur, Bahraich, Barabanki, Raebareli, Sravasti, Gonda, Faizabad, Amethi, Kaushambi, Balrampur, Basti, Ambedkarnagar, Sultanpur, Maharajgang, Santkabirnagar, Azamgarh, Kushinagar, Gorkhpur, Deoria,

		Mau, Ghazipur, Chandauli, Ballia, Sidharathnagar.
14	MUMBAI Insurance Ombudsman Office of the Insurance Ombudsman, 3rd Floor, Jeevan Seva Annexe, S. V. Road, Santacruz (W), Mumbai - 400 054. Tel.: 022 - 69038800/27/29/31/32/33 Email: bimalokpal.mumbai@ cioins.co.in	Goa, Mumbai Metropolitan Region Excluding (Navi Mumbai & Thane).
15	NOIDA Insurance Ombudsman Office of the Insurance Ombudsman, Bhagwan Sahai Palace 4th Floor, Main Road, Naya Bans, Sector 15, Distt: Gautam Buddh Nagar, U.P-201301. Tel.: 0120-2514252 / 2514253 Email: bimalokpal.noida@ cioins.co.in	State of Uttaranchal and the following Districts of Uttar Pradesh: Agra, Aligarh, Bagpat, Bareilly, Bijnor, Budaun, Bulandshehar, Etah, Kanooj, Mainpuri, Mathura, Meerut, Moradabad, Muzaffarnagar, Oraiyya, Pilibhit, Etawah, Farrukhabad, Firozbad, Gautambodhanagar, Ghaziabad, Hardoi, Shahjahanpur
16	PATNA Insurance Ombudsman Office of the Insurance Ombudsman, 2nd Floor, Lalit Bhawan, Bailey Road, Patna 800 001. Tel.: 0612-2547068 Email: bimalokpal.patna@ cioins.co.in	Bihar, Jharkhand.
17	PUNE Insurance Ombudsman Office of the Insurance Ombudsman, Jeevan Darshan Bldg., 3rd Floor, C.T.S. No.s. 195 to 198, N.C. Kelkar Road, Narayan Peth, Pune – 411 030. Tel.: 020-24471175 Email: bimalokpal.pune@ cioins.co.in	Maharashtra, Area of Navi Mumbai and Thane (excluding Mumbai Metropolitan Region).

The updated details of Insurance Ombudsman are available on IRDAI website: www.irdaindia.org, on the website of General Insurance Council: www.generalinsurancecouncil.org.in, Insurer's website www.icicilombard.com or from any of the Insurer's offices.

Arbitration:

The parties to the contract may mutually agree and enter into a separate Arbitration Agreement to settle any and all disputes in relation to this policy. Arbitration shall be conducted under and in accordance with the provisions of the Arbitration and Conciliation Act, 1996. (Applicable to commercial entities only)



ICICI Lombard General Insurance Company Ltd.
ICICI LOMBARD HOUSE , 414, Veer Savarkar Marg, Near Siddhi Vinayak
Temple,Prabhadevi,Mumbai - 400 025.
Attached & forming part of
Policy no.4007/388642207/00/000
IRDAN115CP0014V01201920

ICICI Lombard General Insurance Company Limited

IRDA Reg. No. 115

Mailing Address:

601 & 602, 6th Floor, Interface 16,
New Linking Road, Malad (West)
Mumbai - 400 064

CIN: L67200MH2000PLC129408

Registered Office Address:

ICICI Lombard House, 414, Veer Savarkar Marg,
Near Siddhi Vinayak Temple, Prabhadevi,
Mumbai 400 025

Toll free no : 1800 2666

Alternate no : 86552 22666 (chargeable)

E-mail : Customersupport@icicilombard.com

Website : www.icicilombard.com



SPECTRA ENVIROTECH PVT LTD

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

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

ANNEXURE-VI

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: **DG STACK EMISSION MONITORING-MAY 2025**

Location: **DG SET STACK#1 (1500 KVA)**

Date of Monitoring: **20.05.2025**

Sample Registration Date: 21.05.2025

Analysis Starting Date: **21.05.2025**

Analysis Completed Date: **27.05.2025**

Issue Date: **27.05.2025**

Lab Ref: **SEPL/ES/SEILEILP/05-25/0001**

TEST RESULT

1. Time of Sampling ---- :10:05 Hrs. to 10:30 Hrs.
2. Time Duration :00:25 Hrs.
3. Ambient Temperature (°C) : 33.2
4. Flue gas Temperature (°C) : 151
5. Velocity of the flue gas (m/sec) :16.25
6. C/s area of the duct (m²) :0.196
7. Stack Diameter (m) :0.5
8. Flue gas Flow Rate (Nm³/hr) :11466.00

S.NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter	IS 11255 (part-1)1985	mg/Nm ³	75	42.8
2.	Sulphur Dioxide	IS 11255 (part-2)1985	mg/Nm ³	-	561
3.	Oxides of Nitrogen	IS 11255 (part-7)1985	mg/Nm ³	360	161
4.	Carbon Monoxide	Gas Chromatography	ppm	150	65
5.	Non-Methane Hydro Carbon (NMHC)	Gas Chromatography	mg/Nm ³	100	48

Instrument Details:

Instrument Name : Stack Monitoring Kit

Make : SSE(Sree Scientific Equipment)

Model / SI No : Sem-150/220206

Calibration Due : 28.02.2026

K.S.Lg
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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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-1
(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: **DG STACK EMISSION MONITORING-MAY 2025**

Location: **DG SET STACK#2 (1500 KVA)**

Date of Monitoring: **20.05.2025**

Sample Registration Date: 21.05.2025

Analysis Starting Date: **21.05.2025**

Analysis Completed Date: **27.05.2025**

Issue Date: **27.05.2025**

Lab Ref: **SEPL/ES/SEILEILP/05-25/0002**

TEST RESULT

1. Time of Sampling ---- : 10:40 Hrs. to 11:05 Hrs.
2. Time Duration : 00:25 Hrs.
3. Ambient Temperature (°C) : 30.6
4. Flue gas Temperature (°C) : 156
5. Velocity of the flue gas (m/sec) : 14.62
6. C/s area of the duct (m²) : 0.196
7. Stack Diameter (m) : 0.5
8. Flue gas Flow Rate (Nm³/hr) : 10315.87

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter	IS 11255 (part-1)1985	mg/Nm ³	75	42.5
2.	Sulphur Dioxide	IS 11255 (part-2)1985	mg/Nm ³	-	506
3.	Oxides of Nitrogen	IS 11255 (part-7)1985	mg/Nm ³	360	178
4.	Carbon Monoxide	Gas Chromatography	ppm	150	63
5.	Non-Methane Hydro Carbon (NMHC)	Gas Chromatography	mg/Nm ³	100	60

Instrument Details:

Instrument Name: Stack Monitoring Kit

Make : SSE(Sree Scientific Equipment)

Model / SI No : Sem -150/220509

Calibration Due : 28.02.2026

K.S.Laj
Verified by



Praveesh W.S.
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Managing Director

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),
Near Pynampuram / Nelaturu (V), Muthukur(M),
SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: **DG STACK EMISSION MONITORING- MAY 2025**

Location: **DG SET STACK#3 (1500 KVA)**

Date of Monitoring: **20.05.2025**

Sample Registration Date: 21.05.2025

Analysis Starting Date: **21.05.2025**

Analysis Completed Date: **27.05.2025**

Issue Date: **27.05.2025**

Lab Ref: **SEPL/ES/SEILEILP/05-25/0003**

TEST RESULT

1. Time of Sampling ---- : 11:15 Hrs. to 11:35 Hrs.
2. Time Duration : 00:20 Hrs.
3. Ambient Temperature (°C) : 32.05
4. Flue gas Temperature (°C) : 136
5. Velocity of the flue gas (m/sec) : 15.85
6. C/s area of the duct (m²) : 0.196
7. Stack Diameter (m) : 0.5
8. Flue gas Flow Rate (Nm³/hr) : 11183.76

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter	IS 11255 (part-1)1985	mg/Nm ³	75	40.9
2.	Sulphur Dioxide	IS 11255 (part-2)1985	mg/Nm ³	-	450
3.	Oxides of Nitrogen	IS 11255 (part-7)1985	mg/Nm ³	360	132
4.	Carbon Monoxide	Gas Chromatography	ppm	150	60
5.	Non-Methane Hydro Carbon (NMHC)	Gas Chromatography	mg/Nm ³	100	72

Instrument Details:

Instrument Name : Stack Monitoring Kit

Make : SSE(Sree Scientific Equipment)

Model / SI No : EI-106/21-F-16

Calibration Due : 28.02.2026

K.S.Lg
Verified by



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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: **DG STACK EMISSION MONITORING – AUGUST 2025**

Location: **DG SET STACK#1 (1500 KVA)**

Date of Monitoring: **26.08.2025**

Sample Registration Date: 28.08.2025

Analysis Starting Date: **28.08.2025**

Analysis Completed Date: **02.09.2025**

Issue Date: **02.09.2025**

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

TEST RESULT

1. Time of Sampling ---- : 10:05 Hrs. to 10:30 Hrs.
2. Time Duration : 00:25 Hrs.
3. Ambient Temperature (°C) : 31.5
4. Flue gas Temperature (°C) : 151
5. Velocity of the flue gas (m/sec) : 15.34
6. C/s area of the duct (m²) : 0.196
7. Stack Diameter (m) : 0.5
8. Flue gas Flow Rate (Nm³/hr) : 10823.904

S.NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter	IS 11255 (part-1)1985	mg/Nm ³	75	33.5
2.	Sulphur Dioxide	IS 11255 (part-2)1985	mg/Nm ³	-	437
3.	Oxides of Nitrogen	IS 11255 (part-7)1985	mg/Nm ³	360	160
4.	Carbon Monoxide	Gas Chromatography	ppm	150	73
5.	Non-Methane Hydro Carbon (NMHC)	Gas Chromatography	mg/Nm ³	100	55

Instrument Details:

Instrument Name : Stack Monitoring Kit
Make : SSE(Sree Scientific Equipment)
Model / SI No : Sem-150/220206
Calibration Due : 28.02.2026

K.S.Lg
Verified by



Praveesh W.
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Managing Director

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: **DG STACK EMISSION MONITORING- AUGUST 2025**

Location: **DG SET STACK#2 (1500 KVA)**

Date of Monitoring: **26.08.2025**

Sample Registration Date: 28.08.2025

Analysis Starting Date: **28.08.2025**

Analysis Completed Date: **02.09.2025**

Issue Date: **02.09.2025**

Lab Ref: **SEPL/ES/SEILEILP/08-25/0002**

TEST RESULT

1. Time of Sampling ---- : 10:40 Hrs. to 11:05 Hrs.
2. Time Duration : 00:25 Hrs.
3. Ambient Temperature (°C) : 33.6
4. Flue gas Temperature (°C) : 134
5. Velocity of the flue gas (m/sec) : 14.74
6. C/s area of the duct (m²) : 0.196
7. Stack Diameter (m) : 0.5
8. Flue gas Flow Rate (Nm³/hr) : 10400.544

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter	IS 11255 (part-1)1985	mg/Nm ³	75	39.4
2.	Sulphur Dioxide	IS 11255 (part-2)1985	mg/Nm ³	-	486
3.	Oxides of Nitrogen	IS 11255 (part-7)1985	mg/Nm ³	360	173
4.	Carbon Monoxide	Gas Chromatography	ppm	150	71
5.	Non-Methane Hydro Carbon (NMHC)	Gas Chromatography	mg/Nm ³	100	58

Instrument Details:

Instrument Name : Stack Monitoring Kit

Make : SSE(Sree Scientific Equipment)

Model / SI No : Sem -150/220509

Calibration Due : 28.02.2026

K.S.Lg
Verified by



P. Suresh W.
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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-1

(2x660 MW Coal Based Thermal Power Plant),

Near Pynampuram / Nelaturu (V), Muthukur (M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

Product: **DG STACK EMISSION MONITORING-AUGUST 2025**

Location: **DG SET STACK#3 (1500 KVA)**

Date of Monitoring: **26.08.2025**

Sample Registration Date: **28.08.2025**

Analysis Starting Date: **28.08.2025**

Analysis Completed Date: **02.09.2025**

Issue Date: **02.09.2025**

Lab Ref: **SEPL/ES/SEILEILP/08-25/0003**

TEST RESULT

1. Time of Sampling ---- : 11:15 Hrs. to 11:35 Hrs.
2. Time Duration : 00:20 Hrs.
3. Ambient Temperature (°C) : 34.5
4. Flue gas Temperature (°C) : 151
5. Velocity of the flue gas (m/sec) : 14.89
6. C/s area of the duct (m²) : 0.196
7. Stack Diameter (m) : 0.5
8. Flue gas Flow Rate (Nm³/hr) : 10506.384

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter	IS 11255 (part-1)1985	mg/Nm ³	75	37.8
2.	Sulphur Dioxide	IS 11255 (part-2)1985	mg/Nm ³	-	461
3.	Oxides of Nitrogen	IS 11255 (part-7)1985	mg/Nm ³	360	127
4.	Carbon Monoxide	Gas Chromatography	ppm	150	61
5.	Non-Methane Hydro Carbon (NMHC)	Gas Chromatography	mg/Nm ³	100	80

Instrument Details:

Instrument Name : Stack Monitoring Kit
Make : SSE(Sree Scientific Equipment)
Model / SI No : EI-106/21-F-16
Calibration Due : 28.02.2026

K.S.Laj
Verified by



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