



SEIL Energy India Limited

CIN: U40103HR2008PLC095648
Regd. Office: Building 7A, Level 5,
DLF Cyber City, Gurugram – 122002,
Haryana, India.
Tel: (91) 124 6846700/701,
Fax: (91) 124 6846710
Email: cs@seilenergy.com
Website: www.seilenergy.com

SEIL P2/MoEF&CC/Chennai/2025/004
28th November 2025

To
The Regional Director,
Regional Office (South Eastern Region),
Ministry of Environment, Forests & Climate Change,
1st & 2nd Floor, HEPC Building, No 34, Cathedral Garden Road,
Nungambakkam,
Chennai- 600034

Sub.: Submission of Half Yearly Environment Clearance (EC) Compliance Report of SEIL Energy India Limited Project-2 for the period from April 2025 to September 2025

Ref.: EC Letter No J 13012/76/2009 – IA.II (T) dated 30-09-2010, amended dated 18.05.2011

Dear Sir,

As per the provision of Environment Clearance, we hereby submit the half yearly EC compliance status report for the period of April 2025 to September 2025 of SEIL Energy India Limited Project-2, Nellore.

Hope the above is in order.

Thanking you,

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

Gnanadesigan N
Head HSE- SEIL

Encl: As above

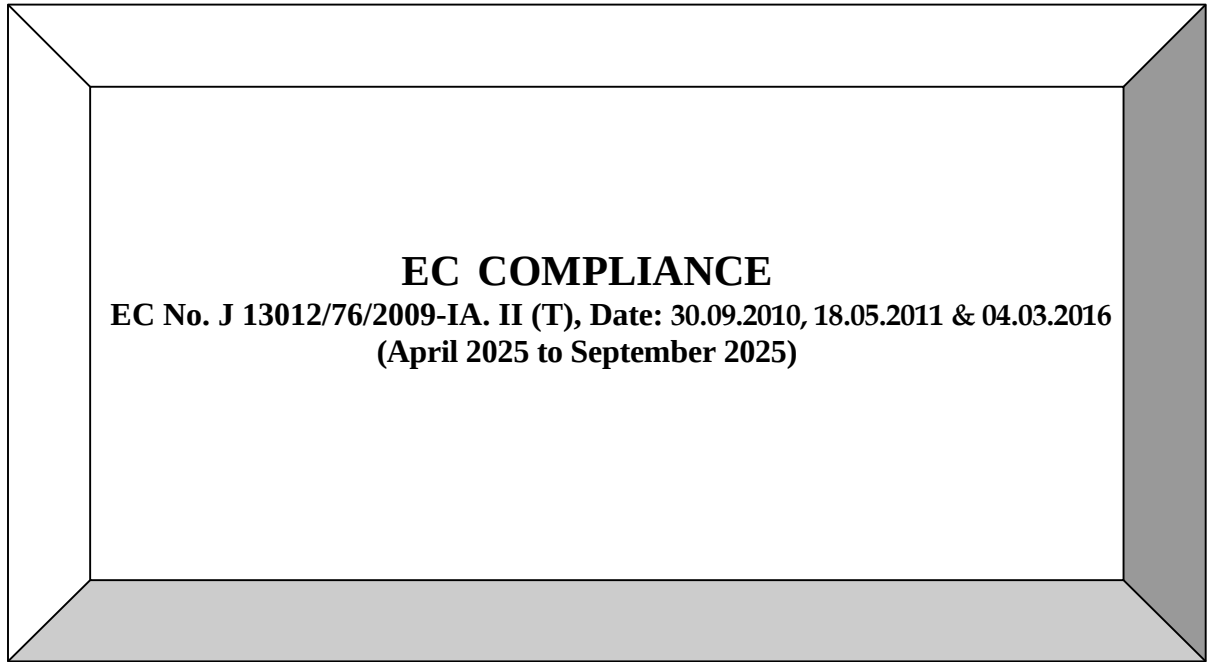
Copy To:

1. The Director, IA.I, MoEF&CC, New Delhi
2. The Additional Director/ Scientist 'E', MoEF&CC, Sub-Office, Vijayawada
3. The Regional Officer (APPCB), Nellore

M/s. SEIL Energy India Limited Project-2

*Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.), Andhra Pradesh.*

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016



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01. Background:

SEIL Energy India Limited Project-2 is a leading independent thermal power plant situated in Nellore district of Andhra Pradesh.

Currently, at SEIL Energy India Limited Project-2 consists of 2 x 660 MW is under operation since November 2016.

The location map and key map is shown in **Figure-1**. The 10 km radius topographical map around the project is shown in **Figure-2**. The latitude & longitude of North South extremes of Site are 14.350849 & 80.151410 respectively.

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Fig. - 1 (LOCATION MAP)



Fig. - 2 (TOPOGRAPHICAL MAP OF 10 KM RADIUS AREA)

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02. Statutory Approvals/Clearances:

The following statutory approvals and clearances were received for the Project:

S. No.	Authorization	Accorded By	Validity
1	Environment Clearance	Ministry of Environment & Forests, Govt. of India	MoEF Letter J-13012/76//2009-IA.II (T) dated 30/09/2010. The validity of EC is extended to 7 years by MoEF notification to start operations. Accordingly, SEIL commenced its operations by November 2016, well within due date.
2	CRZ Clearance	Ministry of Environment & Forests, GOI	F.No. 11-44/2011-IA.III. Dated: 9 th April 2012 and amendment on 1 st May 2014
3	Consent for Operation (CFO) for two units	AP Pollution Control Board, Hyderabad	Order No. APPCB/VJA/NLR/182/HO/CFO/2016 Dated: 14 th Dec 2021. Renewed and is valid till 28th February 2027. CTO Name change approval accorded vide Order No. APPCB/1022/70/2019-TEC-CFO-APPCB dated 26-07-2023

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016

CONDITION WISE COMPLIANCE TO ACCORDED ENVIRONMENT CLEARANCE

S No.	Condition	Compliance
	A-Specific Conditions	
i	Environmental clearance is subject to obtaining CRZ clearance (as applicable) for permissible activities in CRZ area.	CRZ clearance obtained from MoEF (F No. 11-44/2011– IA – III dated 9 th April 2012 and amendment on 1 st May 2014).
ii	In case source of fuel supply is to be changed at later stage for the proposed 2x660 MW units now proposed to be run on imported coal from Indonesia, the project proponent shall intimate the Ministry well in advance along with necessary requisite documents for its concurrence for following the change. In such a case the necessary for re-conducting public hearing may be decided by the Ministry in consultation with the Expert Appraisal Committee.	The said condition has been amended as to be read as “Imported shall be now submitted as “Domestic Coal” and imported coal in the ratio 70:30 shall be used as fuel via EC Amendment Letter No. J. 13012/76/2009- I.A II (T) issued by MoEF&CC dated 18.05.2011.
iii	The project proponent shall examine in detail the possibility to adopt NIOT technology of desalination plant using Low Temperature Thermal Desalination (LTTD) process. In case the same is not feasible detailed explanation shall be submitted to the Regional Office of the Ministry.	Complied. SEIL Energy India Limited Project-2 has installed RO process for desalination in the place of NIOT LTTD and the same was communicated.

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S No.	Condition	Compliance
iv	Local employable youth shall be identified and trained in skills relevant to the project for eventual employment in the project itself. The action taken report and details thereof to this effect shall be submitted to the Regional Office of the Ministry and the State Govt. Dept. concerned from time to time.	Complying. SEIL has supported the local community in various ways like Health, Education, Skill Development, Decarbonization and Rural Development. CSR Updates for the period April 2025 to September 2025 attached as Annexure- I.
v	The project proponent shall establish at its own costs a Fish Landing Platform, Ice Plant etc. and shall accordingly submit to the Regional Office of the Ministry and the Fishery Department of the State Govt. a detailed plan and implementation schedule. The project proponent shall also prepare an action plan for implementation. Regarding providing sustainable fishing option for fishermen community in the area.	As per the Recommendations of 18 th Meeting of Reconstituted Expert Appraisal Committee (EAC) dated 27 th June 2018, SEIL Energy India Limited Project-2 have submitted the Socio-economic study and need based assessment study report to MoEF&CC, APPCB on 16 th April 2019 [Ref. No: SEIL Project-2/MoEF/New Delhi/ EC/2019/78].
vi	An endowment of Fishermen Welfare Fund shall be created out of CSR component for specific activities to be finalized within three months for upliftment of the lives of fishing community in the region. Creation of facilities such as Fish Drying Platforms /Ice plant can as mentioned at clause (v) above can form a part of the scheme.	As per the Recommendations of 18 th Meeting of Reconstituted Expert Appraisal Committee (EAC) dated 27 th June 2018, SEIL Energy India Limited Project-2 have submitted the Socio-economic study and need based assessment study report to MoEF&CC, APPCB on 16 th April 2019 [Ref. No: SEIL Project-2/MoEF/New Delhi/ EC/2019/78].

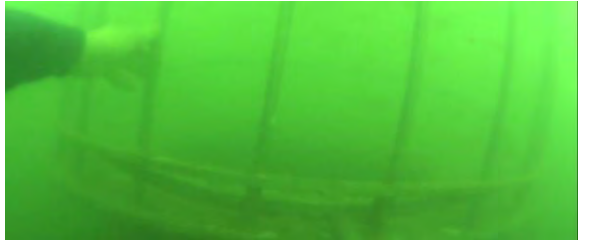
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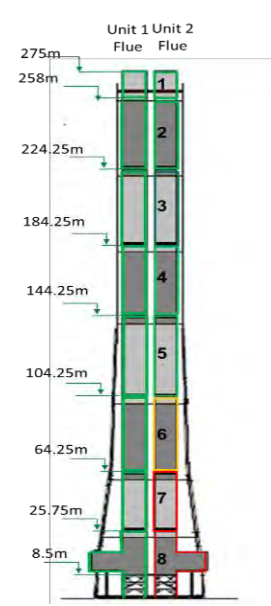
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EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016

S No.	Condition	Compliance
vii	The project proponent shall not hamper the vocation of the fishing community in the area, and it shall be ensured that local fishing community shall be allowed to carry out their vocation.	As per the Recommendations of 18 th Meeting of Reconstituted Expert Appraisal Committee (EAC) dated 27 th June, 2018, SEIL Energy India Limited Project-2 have submitted the Socio-economic study and need based assessment study report to MoEF&CC, APPCB on 16 th April 2019 [Ref. No: SEIL Project-2/MoEF/New Delhi/ EC/2019/78].
viii	Existing Port facility in the region shall be utilized for import of coal instead of setting up individual jetty to avoid disruptions in coastal and inland ecology.	Complied.
ix	Possibility for setting up transit storage within plant site for temperature control of effluent before discharge to the sea shall be carried out and details submitted within three months of starting construction activities to the Ministry.	Complying. SEIL Energy India Limited Project-2 is monitoring the temperature of the Marine Outfall discharge and readings are within the limits specified by MoEF&CC and APPCB. Also pH, Temperature and TSS parameters of Marine Outfall discharge are connected to CPCB and APPCB online real time monitoring websites. Marine Outfall effluent analysis report attached as Annexure- II .
x	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	Complied.

S No.	Condition	Compliance
xi	No waste (effluent) shall be discharged into canal systems, backwaters, marshy areas and the sea (as applicable) without treatment.	Complying. ETP & STP effluent treated water is reused for green belt development and coal yard dust suppression.  ETP & STP Effluent analysis report attached as Annexure-III & Annexure-IV respectively. Marine Outfall effluent analysis report attached as Annexure- II.
xii	The marshy areas in the vicinity (if any) shall not be disturbed.	Complied.
xiii	Intake shall be from deep sea to avoid aggregation of fish and other marine creatures.	Complying. 
xiv	It shall be ensured that no contamination of soil) ground and surface waters (canals & village pond) with sea water in and around the project sites takes place. Necessary preventive measures for spillage from pipelines, such as lining of guard pond used for the treatment of outfall before discharging into the sea, and surface 'RCC channels along the pipelines of outfall and intake should be adopted.	Complying.

S No.	Condition	Compliance
xv	Hydro-geological study of the area shall be reviewed annually and results submitted to the Ministry and concerned agency in the State Govt. In case adverse impact on ground water quantity and quality is observed, immediate mitigating steps to contain any adverse impact on ground water shall be undertaken.	Complying. Ground water is not being used at SEIL. Periodic hydrogeology studies are carried out for the site and surroundings. Hydrogeology Study is reviewed annually and reports being submitted.
xvi	A stack of 275 m height shall be provided with continuous online monitoring equipment for SO _x , NO _x and PM _{2.5} and PM ₁₀ . Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack shall also be monitored on periodic basis.	Complied. Online Continuous Emission Monitoring System (CEMS) is in operation for monitoring PM, SO _x & NO _x . Flue gas Exit Velocity, Mercury emissions are being monitored through MoEF&CC approved third party and the reports of Stack Emission Monitoring are attached as Annexure-V . Stack height of 275m has been provided for wider dispersion of gaseous emissions.  CEMS platform & installation done at 103 m elevation.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016

S No.	Condition	Compliance
xvii	Sulphur content in the imported coal shall not exceed 0.60%.	Complying.
xviii	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm ³ .	Complying. MoEF&CC approved third party reports of Stack Emissions Monitoring attached as Annexure-V .
xix	Provision for FGD shall be provided for future use as and when required.	Noted. Adequate space provision is available.
xx	Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.	Complying. Bag filters along with Cyclone Separators, Dust suppression and Dry fog Dust suppression systems installed at coal handling area.   

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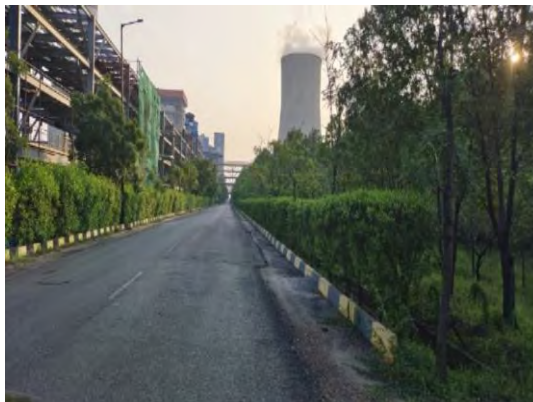
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xxi	A detailed coal analysis from a reputed lab for all contracted coal sources for the project shall be submitted within three months .	Complied. Unit#1 and Unit#2 of SEIL Energy India Limited Project-2 were commenced operation from Nov 2016 and Feb 2017. Coal Analysis Lab test reports are attached as Annexure- VI .
xxii	Utilization of 100% Fly Ash generated shall be made from 4 th year of operation of the plant. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.	Complying. SEIL Project-2 is achieving 100% fly ash utilization since November 2019.  Annual Fly Ash utilization for FY 2024-25 vide letter No. SEIL P2/MoEF&CC/ Chennai /2025/001 dated 26 th April 2025 has been submitted to MoEF&CC and CPCB.

S No.	Condition	Compliance
xxiii	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Unutilized fly ash shall be disposed-off in the ash pond in the form of high concentration slurry form. Mercury and other. Heavy metals (As, Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond.	Complying. Fly ash dry collection system is in place. Ash Water Recirculation system is in operation and treated water is utilized for Coal Handling Plant dust suppression. Monitoring of Heavy metals in the Bottom ash and ash pond effluents is being carried out on quarterly basis by third party agency. Reports attached as Annexure-VII & Annexure-VIII respectively. Piezometer Bore wells water level monitoring & analysis is carried out on Quarterly basis. Reports attached as Annexure- IX. 
xxiv	Ash pond shall be lined with HDP/LDP lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.	Complied. 

M/s. SEIL Energy India Limited Project-2

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EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016

S No.	Condition	Compliance
xxv	For disposal of Bottom Ash (if proposed to be undertaken) in abandoned mines it shall be ensured that the bottom and sides of the mined out areas are adequately lined with clay before Bottom Ash is filled up. The project proponent shall inform the State Pollution Control Board well in advance before undertaking the activity.	As per the MoEF&CC guidelines released F.No. 22-13/2019-IA.III dated 28 th Aug 2019 on “Change in conditions stipulated in the Environmental Clearances of Thermal Power Plants and Coal Mines in line with the Fly Ash Notification and subsequent amendment”. No abandoned mines are available proximity to SEIL. However, SEIL is taking suitable measures to utilize bottom ash in accordance with the above guidelines.
xxvi	Closed cycle cooling system shall be provided. The effluents shall be treated as per the prescribed norms. COC of at least 1.25 shall be adopted.	Complying.
xxvii	Green Belt consisting of 3 tiers of plantations of native species around plant and at least 100 m width shall be raised. Wherever 100 m width is not feasible a 50 m width shall be raised and adequate justification shall be submitted to the Ministry. Tree density shall not less than 2500 per ha with survival rate not less than 75 %.	Complied. An area of 358 acres green belt / green cover developed adopting scientific methods like establishment of mist chamber, drip and sprinkler system, vermicompost production and application of bio pesticides. SEIL is complying w.r.t tree density.  Peripheral planting along inside of the

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		compound wall has been completed with 3 tiers of plantation.   
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S No.	Condition	Compliance
xxviii	A good action plan for R&R (if applicable) with package for the project affected persons be submitted and implemented as per prevalent R&R policy within three months form the date of issue of this letter.	Not Applicable
xxix	An amount of Rs.27.3 Crores shall be earmarked as one time capital cost for CSR programme. Subsequently a recurring expenditure of Rs.5.5 Crores per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within one month along with road map for implementation.	Complying. CSR implementation reports are submitted along with Six monthly reports. <u>SEIL Energy India Limited Project-2 status:</u> As part of the company's corporate social responsibility initiative, company pays considerable attention to upliftment of local community by providing Education, community health programmes, social infrastructure environment and other developmental initiatives. The company has undertaken the following works: CSR Update from April 2025 to September 2025 attached as Annexure-I.  

M/s. SEIL Energy India Limited Project-2

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EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016

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xxx	As part of CSR programme the company shall conduct need based assessment for the nearby villages to study economic measures with action plan which can help in upliftment of poor section of society. Income generating projects consistent with the traditional skills of the people besides development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. This will be in addition to vocational training for individuals imparted to take up self-employment and jobs.	Complying. SEIL Energy India Limited strategically focusing on Health, Education and Skill Development Training Programmes across the community.   
xxxi	It shall be ensured that in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.	Complying.

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EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016

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xxxii	Criteria pollutant levels including NO _x , RSPM, SO _x , (from stack and ambient air) shall be regularly monitored and results displayed in your website and also at the main gate of power plant.	Complying. Main gate display provided. Continuously displayed the stack emissions & ambient quality parameters. Company Website can be accessed by clicking on the below link. https://seilenergy.com/AboutUs/Disclosure 
xxxiii	A Corporate Environmental Policy shall be formulated and after due approval of the Board of Directors of the Company shall be submitted to the Ministry. The policy shall specifically address issues of adherence to environmental clearance conditions stipulated for the power project and others including matters related to violations (if any) to the Board.	Environmental Policy is a part of in the QHSE Policy. QHSE Policy Attached as Annexure-X.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016

S No.	Condition	Compliance
B-General Conditions		
i	The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary except during monsoon. Arrangements shall be made that effluents and storm water do not get mixed.	Complying. Separate Storm Water drainage system constructed. ETP & STP outlet water is reused for green belt development and coal yard dust suppression. ETP & STP treated water analysis reports attached as Annexure-III & Annexure-IV respectively. Marine Outfall effluent analysis report attached as Annexure-II.
ii	A sewage treatment plant shall be provided and the treated sewage shall be used for raising greenbelt/ plantation.	Complying. STP is fully operational and STP treated water is used for greenbelt development, Horticulture and fugitive dust suppression. STP treated water analysis reports are attached in Annexure-IV. 

M/s. SEIL Energy India Limited Project-2

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EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016

S No.	Condition	Compliance
iii	A well designed rain water harvesting system shall be put in place within six months before commissioning of the plant; which shall comprises of rain water collection from the built up and open area in the plant premises. Central Groundwater Authority/Board shall be consulted for finalization of appropriate rainwater harvesting technology and details shall be furnished.	Complying. SEIL Energy India Limited Project-2 is not using any groundwater for its operations or non-plant operations. Rainwater harvesting technology study report is done through reputed consultant (Retd. CGWB Director). Report submitted to MoEF&CC & APPCB on 27th February 2020. Rainwater Harvesting Pits are in service. 
iv	Adequate safety measures shall be provided in the plant area to check/ minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.	Complying. Layout drawing of fire hydrants & monitors submitted along with EC six monthly compliance report vide letter No. SGPL/ MoEF/Chennai/EC/15 dated 5th January 2018. Plant Layout Map attached as Annexure-XI. Stockpile Dust Suppression sprinklers installed in all coal yards.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016

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v	Storage facilities for auxiliary liquid fuel such as LDO and / HFO /LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	Complying. Valid CCOE License attached as Annexure-XII. Emergency Response Plan has been prepared and widely communicated among work force.
vi	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area has not been carried out particularly for heavy metals (Hg, Cr, As, Pb) and records maintained and submitted to the Regional Office of this ministry. The data so obtained should be compared with the base line data so as to ensure that the ground water quality is not adversely affected due to the project.	Complying. Existing bore well data is monitored through approved reputed environmental consultant. Piezo wells are constructed and in service around ash pond. Ground Water levels monitoring is being carried out on quarterly basis. Piezometer Bore wells and ground water analysis reports attached as Annexure- IX.
vii	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Complied. 

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Viii	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 75 dBA. For people working in the high noise area, requisite personal protective equipment like earplugs/earmuffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc. shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non-noisy/less noisy areas.	Complying. Quarterly Noise monitoring studies are carried out through MoEF&CC approved laboratory. Reports attached as Annexure- XIII .
ix	Regular monitoring of ground level concentration of SO ₂ , NO _x , RSPM and Hg shall be carried out in the impact zone and records maintained. If, at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.	Complying. Ambient Air Quality Monitoring carried out by MoEF&CC approved Laboratory and Six-monthly reports submitted to APPCB. Reports attached as Annexure- XIV .
x	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied during construction phase.

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xi	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in .	Complied. Environment clearance letter has been put up on SEIL website @ https://seilenergy.com/AboutUs/Disclosure
xii	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad. / Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions / representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Complied. Environment clearance letter has been put up on SEIL website @ https://seilenergy.com/AboutUs/Disclosure
xiii	A dedicated Environment management Cell with suitable qualified personnel constituting of Marine Biologist and an ecologist shall be set-up under the control of a Senior Executive who will report directly to the Head of the Organization.	Complying. SEIL has established an Environment Management Cell with suitable qualified personnel under the supervision of Head- HSE who directly reports to the Station level Head.

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xiv	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollution levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	Complying. EC Six monthly compliance reports are being submitted. (Ref: SEILP2/MoEF&CC/Chennai /2025/002 dated 29th May 2025) The reports are uploaded on SEIL website @ https://seilenergy.com/AboutUs/Disclosure 
xv	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well by e- mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB.	Complying. EC Six monthly compliance reports are being submitted. (Ref: SEILP2/MoEF&CC/Chennai /2025/002 dated 29th May 2025) The reports are uploaded in SEIL website @ https://seilenergy.com/AboutUs/Disclosure
xvi	The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	Complying. (Environment Statement in Form-V submitted to APPCB vide letter No. SEIL P2/ APPCB/ BZA/2025/007 dated 27th September 2025).

S No.	Condition	Compliance
xvii	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by-mail to the Regional Office, Ministry of Environment and Forests.	Complied. EC Six Monthly Compliance Reports are being submitted. The reports are uploaded in SEIL website @ https://seilenergy.com/AboutUs/Disclosure
xviii	Regional Office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. Criteria pollutants levels including NO _x (from stack & ambient air) shall be displayed at the main gate of the power plant.	Complied.  The reports were submitted to Ministry during project phase. EIA and EMP are already submitted.

M/s. SEIL Energy India Limited Project-2

Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),

SPSR Nellore (Dist.), Andhra Pradesh.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016

S No.	Condition	Compliance
xix	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Complying. Funds were spent for implementation of Environment protection measures during the project stage. However, continuous recurring cost for Environment management (EQMS, AAQM, CEMS, Hydro-geology studies, Hazardous Waste disposal & Environment Monitoring etc.) during operation is allocated in Annual budget. Expenditure details attached as Annexure-XV .
xx	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.	Complied.
xxi	Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry at Bangalore / CPCB / SPCB who would be monitoring the compliance of environmental status.	Complying.
4	The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. The Ministry may also impose additional environmental conditions or modify the existing ones, if necessary.	Noted.

M/s. SEIL Energy India Limited Project-2

Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),

SPSR Nellore (Dist.), Andhra Pradesh.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016

S No.	Condition	Compliance
5.	The environmental clearance accorded shall be valid for a period of 5 years to start operations by the Power Plant.	Noted. The validity of EC is extended to 7 years by MoEF&CC notification. The 2x660 MW project has already commenced operations since 2016.
6.	Concealing factual data or submission of false /fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act 1986.	Noted.
7.	In case of any deviation or alteration in the project proposed including coal transportation system from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed to add additional environmental protection measures required, if any	Noted for compliance.
8.	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.	Noted.
9.	Any appeal against this environmental clearance shall lie with the National Environmental Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of National Environmental Appellate Act, 1997.	Noted.

M/s. SEIL Energy India Limited Project-2
Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.), Andhra Pradesh.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016



GREEN BELT/ GREEN COVER DEVELOPMENT IN SITE

M/s. SEIL Energy India Limited Project-2
Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.), Andhra Pradesh.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016



AVENUE PLANTATION

M/s. SEIL Energy India Limited Project-2
Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.), Andhra Pradesh.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016



GREEN COVER ALONG THE PLANT ROADS

M/s. SEIL Energy India Limited Project-2
Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.), Andhra Pradesh.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016



GREEN COVER ALONG PIPE RACK & INTERNAL ROADS



GREEN COVER INSIDE THE PLANT

M/s. SEIL Energy India Limited Project-2
Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.), Andhra Pradesh.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016



GREEN COVER ALONG MAIN PLANT ROAD



GREEN COVER AROUND PERIPHERY

M/s. SEIL Energy India Limited Project-2
Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.), Andhra Pradesh.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016



GREEN COVER NEAR PLANT SERVICE BUILDING



GREEN COVER NEAR SERVICE BUILDING



M/s. SEIL Energy India Limited Project-2

*Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.), Andhra Pradesh.*

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016



COAL YARD WATER SPRINKLING

M/s. SEIL Energy India Limited Project-2
Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.), Andhra Pradesh.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016



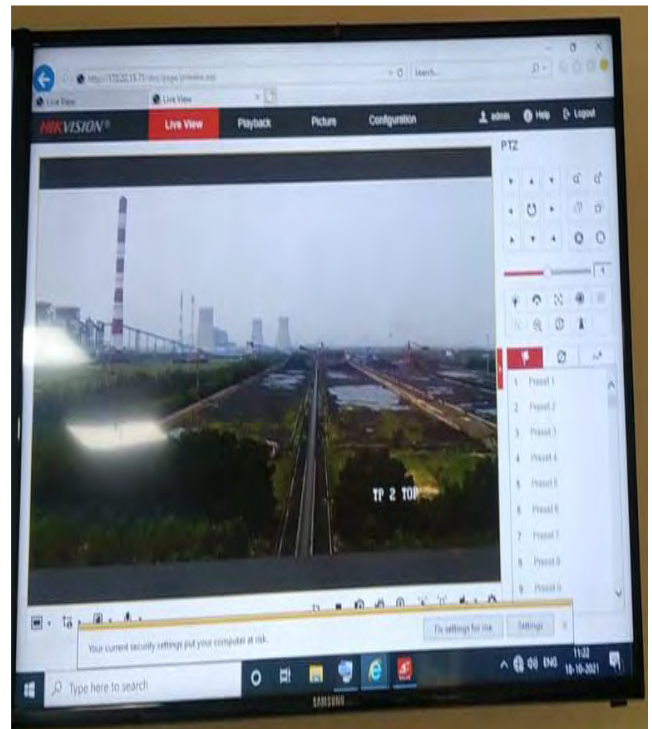
CONTINUOUS AMBIENT AIR QUALITY MONITORING STATION INSIDE THE PLANT

M/s. SEIL Energy India Limited Project-2
Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.), Andhra Pradesh.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016



WIND BREAK PLANTATION AROUND COAL YARD



CONTINUOUS MONITORING OF DUST SUPPRESSION SYSTEM AT COAL YARD USING PTZ CAMERAS

M/s. SEIL Energy India Limited Project-2
Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.), Andhra Pradesh.

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016



DUST EXTRACTION SYSTEM AT TRANSFER POINTS



MAIN GATE DISPLAY BOARD - AMBIENT AIR QUALITY & EMISSIONS DATA DISPLAY



Business Updates

HY-1 FY2025-26





HEALTH

➤ **Telemedicine Centers MV Palem:** Total beneficiaries:- 2306

- General consultations - 2002
- Specialty Consultations - 304
- Pharmacy -2163; Lab Investigations - 1232

Community Outreach coverage

- Social Health Education Programme – 609 beneficiaries
- Non-Communicable Disease Screenings – 709 beneficiaries.

➤ **Telemedicine Centers Salipeta:** Total beneficiaries:- 2262

- General consultations - 1952
- Specialty Consultations - 310
- Pharmacy – 2220 ; Lab Investigations - 1372

Community Outreach coverage

- Social Health Education Programme – 928 beneficiaries
- Non-Communicable Disease Screenings – 836 beneficiaries

➤ **Mobile Medical Unit:** Total beneficiaries:- 4879

- Male-2124, Female-2599, Female Child –81, Male Child - 75 were Covered



Social Health Education Awareness



Non-communicable disease Screening



HEALTH

- **Eye Screening :**
 - Total Screened:- 7802
 - Spectacles Provided- 1611
- **Cancer Screening:**
 - Total Screened - 10097
 - No of camps - 149
 - No of persons with positive symptoms – 350(Oral-195,Cervical -69, Breast -86 Numbers)
 - Referrals to the Government Hospital- (Oral- 37,Cervical-39,Breast-24 Numbers)
- **Mobile Medical Unit: Total beneficiaries:- 4879**
 - Male-2124, Female-2599, Female Child –81, Male Child -75 were Covered
- **Container RO Water Plant**

2000 LPH capacity installed at Mandabailu and inaugurated by SEIL Board on 16th June 2025.



EYE SCREENING PHOTOS



CSR Updates

Q1 FY25-26



HEALTH



HEALTH SCREENING BY MMU



CANCER SCREENING





HEALTH

- **Medical equipment's installed at Venkatachalam Community Health Center (CHC)**
 - Two numbers of Stretcher trolleys
 - One number of Max Neo Ventilator
 - Two numbers of Instrument trolleys

- **Medical equipment's installed at Podalakuru Community Health Center (CHC)**
 - One number of cervical and lumber traction machine
 - Two numbers of Instrument trolleys
 - Two numbers of Stretcher trolleys
 - One number of Dental unit
 - Three numbers of Patient Bed two functions

MEDICAL EQUIPMENT TO CHC, VENKATACHALAM



INSTRUMENT TROLLEYS



MAX NEO VENTILATOR



STRETCHER TROLLEYS



PATIENT COT

MEDICAL EQUIPMENT TO CHC, PODALAKURU



INSTRUMENT AND STRETCHER TROLLEYS



DENTAL UNIT



CERVICAL AND LUMBER TRACTION MACHINE



PATIENT COTS

CSR Updates

For Q 1 FY25-26



DECARBONISATION & OTHERS

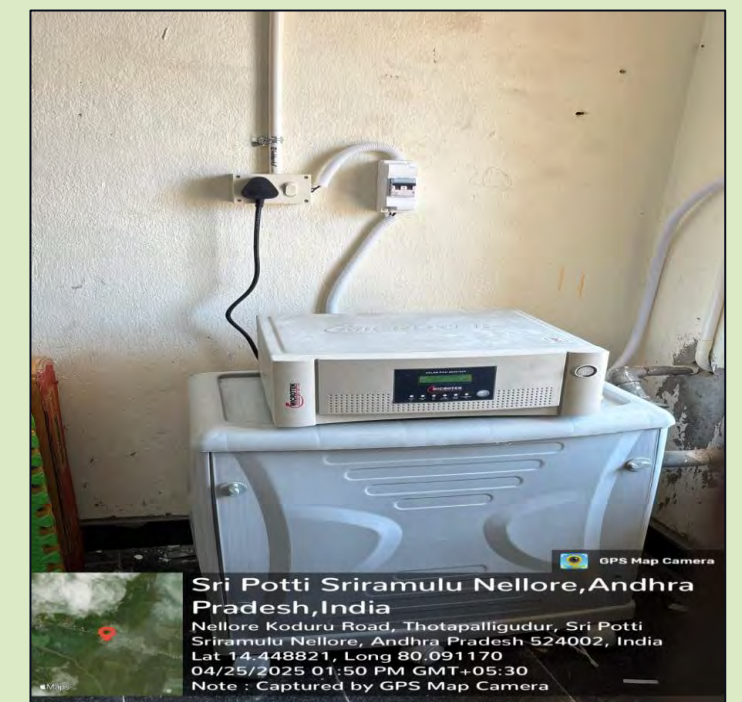
➤ Solar Street Lights

- 125 Numbers of 60 watts Lights installed at District Sports Center
- 364 Community Solar Streetlights of 30 watts capacity installed in Eduru and Venkannapuram
- 104 Numbers of 60 watts Lights installed from Ash Silo of SEIL to Genco Circle

➤ Off Grid Solar On Anganwadis

- Solar 1KWP Off grid Installations with battery backup installed in 12 Anganwadi Centers

Off-grid solar on Mangaldaruvu Anganwadi center



CSR UPDATES – SOLAR LIGHTS



SOLAR STREET LIGHTS AT DISTRICT SPORTS STADIUM



SOLAR STREET LIGHTS FROM PYNAPURAM TO GENCO JUNCTION



SOLAR STREET LIGHTS AT EDURU VILLAGE PANCHAYAT





Rural Development

VETERINARY CAMPS – ASSET&W

- Six Veterinary camps were conducted in the villages of Musunuri Varipalem, Mallikarjun Puram, Kothapalem, Mandapam and Nelaturu.
- A total of 314 Farmers benefitted from the camps. Suitable medicines, and mineral mixtures were provided by the Veterinary Doctors after the examination.
- Treatment provided to 17048 livestock (Cattle, Buffaloes, Sheep, Goats and Poultry)



Veterinary Doctor guiding the farmers



Distribution of medicines at Animal health camp

BOARD VISIT - MOBILE MEDICAL UNIT



BOARD VISIT - INNAGURATION OF RO PLANT



BOARD VISIT - VETERINARY CAMPS GLIMPSES



BOARD VISIT - EYE SCREENING GLIMPSES



FY 2025-26 Health Project - Photos

Container RO water plant Glimpses



Glimpses Of CEO's visit to CSR initiatives



ANGANWADI CENTER



ANGANWADI CENTER



INDUSTRIAL PAINTING TRAINING CENTER



COMPOSITE REGIONAL CENTER



HEALTH AND WELLNESS CENTRE



INDUSTRIAL PAINTING TRAINING CENTER



Health

➤ **Telemedicine Centers MV Palem & Salipeta:**

- Total beneficiaries: 5943
 - General consultations: 5160
 - Specialty Consultations: 783
 - Pharmacy: 5725; Lab Investigations: 3081

Community Outreach coverage:

- Social Health Education Programme: 1208 beneficiaries
- Non-Communicable Disease Screenings: 3001 beneficiaries.

Special Medical Camps Beneficiaries: 361

- **Mobile Medical Unit:** 4825 beneficiaries
Male: 1952, Female: 2620, Female Child: 122, Male Child: 131
- **Eye Screening :**
 - Total Screened: 5307
 - Spectacles Provided: 1770
 - No of Camps: 70

➤ **Cancer Screening:**

- Total Screened: 8150
- No of camps: 119
- No of persons with positive symptoms: 253 (Oral: 157, Cervical: 35, Breast: 61 Numbers)
- Facilitated visit to the Government Hospital for further diagnosis and treatment : 92 (Oral- 47, Cervical-21, Breast-24 Numbers)

➤ **RO Water Plant**

Container RO Plant of 2000 LPH capacity installed and operational at five locations of Mallikarjun Puram, Mandabailu, Eduru Harijan wada, Mukkantamma Girijana colony, Mahalakshipuram around SEIL plants.

FY 2025-26 Health Project - Photos

Health and Wellness Centre Glimpses



SOCIAL HEALTH EDUCATION CAMPS



SPECIAL CAMPS (BULKER DRIVERS)



NON-COMMUNICABLE DECEASEES SCREENING



ORTHOPEDIC HEALTH CAMPS



NON-COMMUNICABLE DECEASEES SCREENING

FY 2025-26 Health Project - Photos

Mobile Medical Unit Project Glimpse



MOBILE MEDICAL VAN - CONSULTATION



MOBILE MEDICAL VAN - CONSULTATION



MOBILE MEDICAL VAN - CONSULTATION



MOBILE MEDICAL VAN - CONSULTATION



MOBILE MEDICAL VAN – HOME CONSULTATION



MOBILE MEDICAL VAN - CONSULTATION

FY 2025-26 Health Project Photos

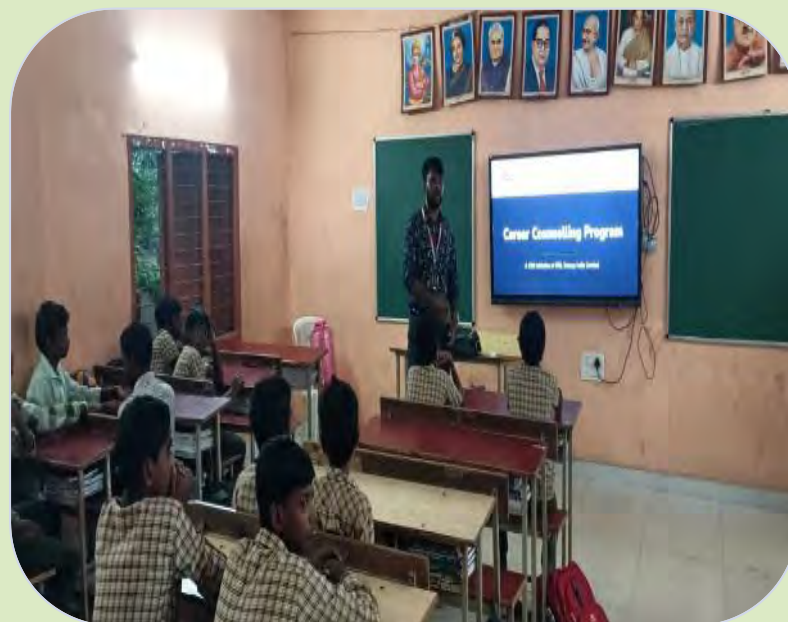
Health – Eye screening and spectacles distribution Glimpses





Education

- **Career Counselling Programme with Sambhav Foundation**
 - Career counselling sessions was inaugurated at ZP High School, MV Palem.
 - As part of employee engagement, SEIL Finance team attended the event.
 - 1082 Number of students of 12 Government schools are undergoing the career counseling sessions.





Skill Development

➤ Training Program on Basic floristry

- Training on Basic floristry was organized for community women and men in collaboration with Institute of Floral Design (IFD) for 30 members.
- 20 women and 10 men successfully completed the training.

➤ Training on Industrial Painting and Coating- CII foundation

- 1st batch of 46 numbers youth completed training on Industrial Painting and Coating
- CEO SEIL distributed certificates to the trained students





Environment

➤ Solar Street Lights installations

- 194 Numbers of 30 Watts at Venkannapuram village
- 200 Numbers of 30 Watts at Eduru village
- 210 Numbers of 30 Watts at Mallikarjun Puram village
- 500 Numbers of 30 Watts lights at Nagar Vanams in Venkatachalam, Nellore, Kavali, Chevuru, and Mungamuru.
- 127 Numbers of 60 Watts from Pynapuram to AP Genco junction.

➤ Off Grid Solar On Anganwadi

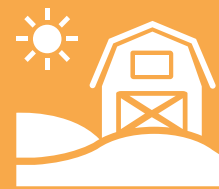
- Solar 1 KWP off grid units with battery backup were installed in 18 Anganwadi Centers.



Solar Street Lights In Villages



Off-grid solar on Anganwadi center



Rural Development

VETERINARY CAMPS

- Six Veterinary Camps were conducted in the surrounding villages.
- Treatments were provided to 11,949 livestock (Cattle, Buffaloes, Sheep, Goats and Poultry).
- A total of 276 Farmers benefitted from the camps. Suitable medicines, and mineral mixtures were provided by the Veterinary Doctors after the examination.



**Veterinary Assistant
Providing treatment to the Animal**



**Distribution of medicines
at Animal health camp**

CSR Updates

For Q2 FY 25-26

AWARDS & RECOGNITIONS

SEIL Energy India Ltd.'s CSR contribution of Solar and Medical equipment was recognised by the Indian Redcross Society, Andhra Pradesh chapter on 9th July 2025, Hon'ble Governor of Andhra Pradesh and President of Indian Redcross Society Andhra Pradesh chapter 'Shri S. Abdul Nazeer', awarded the Red Cross medal to Shri Albert David Peter, Head CSR, SEIL in a function organised at Thumallapalli Kalakshetra Hall, Vijayawada.



Thank You





SPECTRA ENVIROTECH PVT LTD

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

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

TEST REPORT

ANNEXURE-II

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: Marine Outfall Water

Date of Sampling: 21.05.2025

Sample Collected By: S. Ganesh

Sample Registration Date: 23.05.2025

Analysis Starting Date: 23.05.2025

Analysis Completed Date: 28.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	pH	IS:3025(Part-11)1983	--	6.5-8.5	7.6
2	Temperature Intake	--	°C	Shall not exceed 5°C above the Receiving temperature	26.1
3	Temperature Out Fall	--	°C		28.8
4	Electric Conductivity	IS: 3025:1964	µs/cm	--	24426
5	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	--	17,819
6	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	100	65
7	Chemical Oxygen Demand	IS:3025(Part-58)-2006	mg/l	250	90
8	Biochemical Oxygen Demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	100	55
9	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0
10	Total Hardness as CaCO ₃	IS:3025(Part-21)-2012	mg/l	--	4516
11	Total Alkalinity as CaCO ₃	IS:3025(Part-23)-2012	mg/l	--	671
12	P- Alkalinity as CaCO ₃	IS:3025(Part-13)-1964	mg/l	--	Nil
13	Turbidity	IS:3025(Part-10)-2012	NTU	--	5.9
14	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	--	1,263
15	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	--	261
16	Sodium as Na	IS:3025(Part-45)1993	mg/l	--	572

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





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S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
17	Potassium as K	IS:3025(Part-45)-1993	mg/l	--	290
18	Chloride as Cl	IS:3025(Part-32)-2012	mg/l	--	7,259
19	Sulphates as SO ₄	IS:3025(Part-24)-2012	mg/l	--	765
20	Nitrates as NO ₃	IS:3025(Part-34)-2012	mg/l	--	42.7
21	Carbonates as CO ₃	IS:3025(Part-51)-2017	mg/l	--	Nil
22	Bio Carbonates as HCO ₃	IS:3025(Part-51)-2017	mg/l	--	462
23	Iron as Fe	IS:3025(Part-53)-2012	mg/l	--	5.2
24	Fluoride as F	IS:3025(Part-60)-2012	mg/l	--	2.0
25	Copper as Cu	IS:3025(Part-42)-2012	mg/l	--	0.82
26	Manganese as Mn	IS:3025(Part-59)-2012	mg/l	--	0.69
27	Phenolic Compounds as C 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	--	0.56
35	Hexavalent Chromium as Cr+6	IS:3025(Part-38)-1964	mg/l	1.0	<0.001
36	Boron as B	IS:3025(Part-57)-2012	mg/l	--	0.005
37	Silica as SiO ₂	IS:3025(Part-35)-2019	mg/l	--	37.3

Note: IS- Indian Standard

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

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: Marine Outfall Water (Fish Bio-Assay Test)

Date of Sampling: 21.05.2025

Sample Collected By: Ganesh

Sample Registration Date: 23.05.2025

Analysis Starting Date: 23.05.2025

Analysis Completed Date: 28.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

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

REFERENCE TEST DATA

START DATE: 23.05.2025

END DATE: 28.05.2025

COMMENTS:

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

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

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-2

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

Discipline: Chemical

Group: Water

Product: Marine Outfall Water

Date of Sampling: 28.08.2025

Sample Collected By: S. Ganesh

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

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

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	pH	IS:3025(Part-11)1983	--	6.5-8.5	8.1
2	Temperature Intake	--	°C	Shall not exceed 5°C above the Receiving temperature	26.8
3	Temperature Out Fall	--	°C		28.3
4	Electric Conductivity	IS: 3025:1964	µs/cm	--	24,380
5	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	--	17,779
6	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	100	64
7	Chemical Oxygen Demand	IS:3025(Part-58)-2006	mg/l	250	92
8	Biochemical Oxygen Demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	100	61
9	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0
10	Total Hardness as CaCO ₃	IS:3025(Part-21)-2012	mg/l	--	4467
11	Total Alkalinity as CaCO ₃	IS:3025(Part-23)-2012	mg/l	--	683
12	P- Alkalinity as CaCO ₃	IS:3025(Part-13)-1964	mg/l	--	Nil
13	Turbidity	IS:3025(Part-10)-2012	NTU	--	6.8
14	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	--	1,192
15	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	--	271
16	Sodium as Na	IS:3025(Part-45)1993	mg/l	--	579

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Web : www.spectraenviro.com | **E-mail:** sepl.sjn@gmail.com | info@spectraenviro.com

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





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S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
17	Potassium as K	IS:3025(Part-45)-1993	mg/l	--	294
18	Chloride as Cl	IS:3025(Part-32)-2012	mg/l	--	7,257
19	Sulphates as SO ₄	IS:3025(Part-24)-2012	mg/l	--	769
20	Nitrates as NO ₃	IS:3025(Part-34)-2012	mg/l	--	43.0
21	Carbonates as CO ₃	IS:3025(Part-51)-2017	mg/l	--	Nil
22	Bio Carbonates as HCO ₃	IS:3025(Part-51)-2017	mg/l	--	466
23	Iron as Fe	IS:3025(Part-53)-2012	mg/l	--	4.2
24	Fluoride as F	IS:3025(Part-60)-2012	mg/l	--	2.3
25	Copper as Cu	IS:3025(Part-42)-2012	mg/l	--	0.87
26	Manganese as Mn	IS:3025(Part-59)-2012	mg/l	--	0.75
27	Phenolic Compounds as C 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	--	0.63
35	Hexavalent Chromium as Cr+6	IS:3025(Part-38)-1964	mg/l	1.0	<0.001
36	Boron as B	IS:3025(Part-57)-2012	mg/l	--	0.005
37	Silica as SiO ₂	IS:3025(Part-35)-2019	mg/l	--	38.4

Note: IS- Indian Standard

K.S. Jay
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Praveesh W.
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Web : www.spectraenviro.com | E-mail: sepl.sjn@gmail.com | info@spectraenviro.com

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





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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: Marine Outfall Water (Fish Bio-Assay Test)

Date of Sampling: 28.08.2025

Sample Collected By: Ganesh

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

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

TEST RESULT

TEST SPECIES	SOURCE OF ORGANISM	LENGTH & WEIGHT (For Fish)	REMARKS
Zebra Fish	Through vendors	1. Length 4.1 cm 2. Weight 4.2 gm	1. Fish were not fed <u>Yes</u> 2. Temperature range in aquarium 28°C

REFERENCE TEST DATA

START DATE: 29.08.2025

END DATE: 03.09.2025

COMMENTS:

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

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

K.S. Jay
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Web : www.spectraenviro.com | **E-mail:** sepl.sjn@gmail.com | info@spectraenviro.com

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TEST REPORT

ANNEXURE-III

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: ETP OUTLET (Treated Effluent)

Date of Monitoring: 21.05.2025

Sample Collected By: Ganesh

Sample Registration Date: 23.05.2025

Analysis Starting Date: 23.05.2025

Analysis Completed Date: 28.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	7.8
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	2100	292
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	200	70
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	250	39
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	100	27
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0

Note: IS- Indian Standard

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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Web : www.spectraenviro.com | **E-mail:** sepl.sjn@gmail.com | info@spectraenviro.com

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





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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: ETP OUTLET (Treated Effluent)

Date of Monitoring: 28.08.2025

Sample Collected By: Ganesh

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

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

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	7.8
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	2100	274
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	200	53
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	250	54
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	100	31
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0

Note: IS- Indian Standard

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Authorized by
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Web : www.spectraenviro.com | **E-mail:** sepl.sjn@gmail.com | info@spectraenviro.com

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





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TEST REPORT

ANNEXURE-IV

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: STP OUTLET

Date of Monitoring: 21.05.2055

Sample Collected By: S. Ganesh

Sample Registration Date: 22.05.2055

Analysis Starting Date: 22.05.2055

Analysis Completed Date: 28.05.2055

Issue Date: 28.05.2055

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

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3055(Part-11)1983	--	5.5-9.0	7.6
2.	Total Dissolved Solids	IS:3055(Part-15)1984	mg/l	<2100	182
3.	Total Suspended Solids	IS:3055(Part-15)1984	mg/l	<200	62
4.	Chemical Oxygen Demand	IS:3055(Part-58)-1986	mg/l	<250	74
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3055(Part-44)-1993	mg/l	<100	28
6.	Oil & Grease	IS:3055(Part-39)-1991	mg/l	<10	<1.0

Note: IS-Indian Standard

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Authorized by
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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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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: STP OUTLET

Date of Monitoring: 28.08.2025

Sample Collected By: S. Ganesh

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

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

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	7.5
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	<2100	175
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	<200	68
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	<250	76
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	<100	30
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	<10	<1.0

Note: IS-Indian Standard

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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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ANNEXURE-V

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Group: Atmospheric Pollution

Product: Stack Emission Monitoring- MAY 2025

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

Date of Monitoring: 21.05.2025

Sample Registration Date: 23.05.2025

Analysis Starting Date: 23.05.2025

Analysis Completed Date: 28.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

1. Time of Sampling ---- : 10:15 Hrs. to 11:15 Hrs.
2. Time Duration : 01:00 Hrs.
3. Ambient Temperature (°C) : 33.2
4. Flue gas Temperature (°C) : 147
5. Velocity of the flue gas (m/sec) : 25.52
6. C/s area of the duct (m³) : 44.17
7. Stack Diameter (m) : 7.5
8. Flue gas Flow Rate (Nm³/hr) : 3739962.24

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm ³	< 50	33.1
2.	Sulphur Dioxide (SO ₂)	IS 11255 (part-2)1985	mg/Nm ³	-	766
3.	Oxides of Nitrogen (NO _x)	IS 11255 (part-7)1985	mg/Nm ³	450	252
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.4
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm ³	0.03	< 0.01

Instrument Details:

Instrument : Stack Monitoring Kit
Make : Sree Scientific Equipment
Model / SI No : Sem-150/220206
Calibration Due : 28.02.2025

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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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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Group: Atmospheric Pollution

Product: Stack Emission Monitoring- MAY 2025

Location: Unit#2 (Stack Attached to 660 MW Boiler)

Date of Monitoring: 21.05.2025

Sample Registration Date: 23.05.2025

Analysis Starting Date: 23.05.2025

Analysis Completed Date: 28.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

1. Time of Sampling : 11:25 Hrs. to 12:15 Hrs.
2. Time Duration : 00:55 Hrs.
3. Ambient Temperature (°C) : 33.6
4. Flue gas Temperature (°C) : 148
5. Velocity of the flue gas (m/sec) : 25.4
6. C/s area of the duct (m³) : 44.17
7. Stack Diameter (m) : 7.5
8. Flue gas Flow Rate (Nm³/hr) : 3746322.72

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm ³	< 50	28.1
2.	Sulphur Dioxide (SO ₂)	IS 11255 (part-2)1985	mg/Nm ³	-	751
3.	Oxides of Nitrogen (NO _x)	IS 11255 (part-7)1985	mg/Nm ³	450	242
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.6
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm ³	0.03	<0.01

Instrument Details:

Instrument : Stack Monitoring Kit
Make : Sree Scientific Equipment
Model / SI No : Sem-150/220206
Calibration Due : 28.02.2025

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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-2

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

Group: Atmospheric Pollution

Product: Stack Emission Monitoring- AUGUST 2025

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

Date of Monitoring: 28.08.2025

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

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

TEST RESULT

1. Time of Sampling ---- : 10:25 Hrs. to 11:20 Hrs.
2. Time Duration : 00:55 Hrs.
3. Ambient Temperature (°C) : 32.4
4. Flue gas Temperature (°C) : 146
5. Velocity of the flue gas (m/sec) : 25.7
6. C/s area of the duct (m³) : 44.17
7. Stack Diameter (m) : 7.5
8. Flue gas Flow Rate (Nm³/hr) : 3929186.52

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

Instrument Details:

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

K.S.Lg
Verified by



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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-2

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

Group: Atmospheric Pollution

Product: Stack Emission Monitoring- AUGUST 2025

Location: Unit#2 (Stack Attached to 660 MW Boiler)

Date of Monitoring: 28.08.2025

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

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

TEST RESULT

1. Time of Sampling ---- : 11:30 Hrs. to 12:30 Hrs.
2. Time Duration : 01:00 Hrs.
3. Ambient Temperature (°C) : 35.9
4. Flue gas Temperature (°C) : 147
5. Velocity of the flue gas (m/sec) : 25.3
6. C/s area of the duct (m³) : 44.17
7. Stack Diameter (m) : 7.5
8. Flue gas Flow Rate (Nm³/hr) : 3932366.76

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm ³	< 50	30.4
2.	Sulphur Dioxide (SO ₂)	IS 11255 (part-2)1985	mg/Nm ³	-	866
3.	Oxides of Nitrogen (NO _x)	IS 11255 (part-7)1985	mg/Nm ³	350	241
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 : 28.02.2026

K.S.Lg
Verified by



Praveesh W.
Authorized by
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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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ANNEXURE-VI

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: **Heavy Metal Analysis of Coal- MAY 2025**

Sample Location: Coal Feeder#2

Date of Monitoring: 21.05.2025

Sample Collected By: S. Ganesh

Sample Registration Date: 23.05.2025

Analysis Starting Date: 23.05.2025

Analysis Completed Date: 28.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.59
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	1.42
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.67

Note: USEPA- United States Environmental Protection Agency

K.S. Jay
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

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





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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: **Heavy Metal Analysis of Coal- AUGUST 2025**

Sample Location: Coal Feeder#2

Date of Monitoring: 28.08.2025

Sample Collected By: S. Ganesh

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

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

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.61
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	1.50
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.73

Note: USEPA- United States Environmental Protection Agency

K.S. Jay
Verified by



P. Suresh W.
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Managing Director

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

Web : www.spectraenviro.com | **E-mail:** sepl.sjn@gmail.com | info@spectraenviro.com

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





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ANNEXURE-VII

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: Heavy Metal Analysis of Fly Ash- MAY 2025

Date of Monitoring: 21.05.2025

Sample Collected By: S. Ganesh

Sample Registration Date: 23.05.2025

Analysis Starting Date: 23.05.2025

Analysis Completed Date: 28.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.52
2	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	Ppm	0.2	<0.05
3	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.61
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.69

Note: USEPA- United States Environmental Protection Agency

K.S. Jay
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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-2

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

Discipline: Chemical

Group: Water

Product: Heavy Metal Analysis of Bottom Ash- MAY 2025

Date of Monitoring: 21.05.2025

Sample Collected By: S. Ganesh

Sample Registration Date: 23.05.2025

Analysis Starting Date: 23.05.2025

Analysis Completed Date: 28.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Arsenic as As	USEPA-3050B Dec-1996 (Rev.2)	Ppm	5.0	0.75
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	0.62
4.	Lead as Pb	USEPA-3050B Dec-1996 (Rev.2)	Ppm	5.0	0.88

Note: USEPA- United States Environmental Protection Agency

K.S.Lg
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Praveesh W.
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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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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: Heavy Metal Analysis of Fly Ash- AUGUST 2025

Date of Monitoring: 28.08.2025

Sample Collected By: S. Ganesh

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

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

TEST RESULT

S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996 (Rev.2)	Ppm	5.0	0.59
2	Mercury as Hg	USEPA-3050B Dec-1996 (Rev.2)	Ppm	0.2	<0.05
3	Chromium as Cr	USEPA-3050B Dec-1996 (Rev.2)	Ppm	5.0	0.54
4	Lead as Pb	USEPA-3050B Dec-1996 (Rev.2)	Ppm	5.0	0.76

Note: USEPA- United States Environmental Protection Agency

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: Heavy Metal Analysis of Bottom Ash- AUGUST 2025

Date of Monitoring: 28.08.2025

Sample Collected By: S. Ganesh

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

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

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Arsenic as As	USEPA-3050B Dec-1996 (Rev.2)	Ppm	5.0	0.82
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	0.67
4.	Lead as Pb	USEPA-3050B Dec-1996 (Rev.2)	Ppm	5.0	0.79

Note: USEPA- United States Environmental Protection Agency

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





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ANNEXURE-VIII

TEST REPORT

ISSUED TO:

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

Discipline: Chemical

Group: Wastewater

Sample Location: **Ash Pond Effluent Water**

Date of Monitoring: 15.05.2025

Sample Collected By: S. Ganesh

Sample Registration Date: 16.05.2025

Analysis Starting Date: 16.05.2025

Analysis Completed Date: 22.05.2025

Issue Date: 22.05.2025

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

TEST RESULT

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

IS-Indian Standard

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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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TEST REPORT

ISSUED TO:

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

Discipline: Chemical

Group: Waste water

Sample Location: **Ash Pond Effluent Water**

Date of Monitoring: **28.08.2025**

Sample Collected By: Ganesh

Sample Registration Date: **29.08.2025**

Analysis Starting Date: **29.08.2025**

Analysis Completed Date: **03.09.2025**

Issue Date: **03.09.2025**

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

TEST RESULT

S.NO	TEST PARAMETERS	UNIT	TEST METHOD	STANDARD	RESULT
1.	pH	---	IS:3025(Part-11)1983	6.5-8.5	7.9
2.	Color	Hazen	IS-3025(Part-4)2021	Colorless	Colorless
3.	Odor	---	IS-3025(Part-5)	Agreeable	Agreeable
4.	Total Suspended Solids	mg/l	IS:3025(Part-11)1983	100	75
5.	Chemical Oxygen Demand (COD)	mg/l	IS:3025(Part-58)-2006	250	86
6.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	mg/l	IS:3025(Part-44)-1993	100	61
7.	Oil & Grease	mg/l	IS:3025(Part-39)-1991	10	<1.0
8.	Total Arsenic as As	mg/l	IS:3025(Part-37)-1988	0.2	<0.01
9.	Mercury as Hg	mg/l	IS:3025(Part-48)-1994	0.01	<0.001
10.	Lead as Pb	mg/l	IS:3025(Part-47)-1994	2.0	<0.01
11.	Cadmium as Cd	mg/l	IS:3025(Part-41)-1992	2.0	<0.001
12.	Hexavalent Chromium as Cr ⁶⁺	mg/l	IS:3025(Part-52)-2003	1.0	<0.001

IS-Indian Standard

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Managing Director

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

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TEST REPORT

ANNEXURE-IX

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: Water

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

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

Date of Monitoring: 21.05.2025

Sample Registration Date: 23.05.2025

Analysis Starting Date: 23.05.2025

Analysis Completed Date: 28.05.2025

Issue Date: 28.05.2025

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

Sample Collected By: S. 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	7.4	7.6
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	0.2	0.3
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,130	1,133
5	Temperature	--	°C	--	--	36.2	34.3
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	35	40
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	362	390
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	177	165
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	152	165
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	43.1	32.3
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	25.1	22.5
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	--	--	180	165
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	89	97
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	182	142
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	27	24
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	175	161

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Managing Director

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

Web : www.spectraenviro.com | **E-mail:** sepl.sjn@gmail.com | info@spectraenviro.com

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





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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	62.3	75.6
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	26.8	33.4
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	0.03
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.62	0.74
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	--	--	5.5	4.9
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	%	--	--	18.1	22.4
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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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-2

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

Discipline: Chemical

Group: Water

Product: Water

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

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

Date of Monitoring: 21.05.2025

Sample Registration Date: 23.05.2025

Analysis Starting Date: 23.05.2025

Analysis Completed Date: 28.05.2025

Issue Date: 28.05.2025

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

Sample Collected By: S. Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-3	PW-4
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.4	7.5
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	0.2	0.3
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,382	1,365
5	Temperature	--	°C	--	--	36.4	28.3
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	56	49
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	242	179
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	155	159
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	169	150
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	59	52
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	29	22
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	--	--	155	159
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	126	124
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	127	135
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	26	72
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	150	130

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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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-3	PW-4
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	44.2	48.6
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	33.4	31.2
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	0.11
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.67	0.80
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	--	--	5.2	4.9
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	%	--	--	30.2	32.3
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-2

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

Discipline: Chemical

Group: Water

Product Water

Location-5: Piezo Well No-5- Water – Near CAAQMS (PW-5)

Date of Monitoring: 21.05.2025

Sample Registration Date: 23.05.2025

Analysis Starting Date: 23.05.2025

Analysis Completed Date: 28.05.2025

Issue Date: 28.05.2025

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

Sample Collected By: S. Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.7
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	--	--	1,526
5	Temperature	--	°C	--	--	34.5
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	68
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	292
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	173
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	155
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	56
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	23
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	--	--	171
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	123
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	150
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	85
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	164

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





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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	46.8
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	37.1
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	0.07
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.42
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	--	--	4.9
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	%	--	--	23.6
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



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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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: Water

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

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

Date of Monitoring: 28.08.2025

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

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

Sample Collected By: S. 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	7.6	8.1
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.1	1.0
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.1	0.1
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,281	1,140
5	Temperature	--	°C	--	--	35.4	32.7
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	38	55
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	367	374
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	183	152
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	154	186
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	45.9	33.4
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	26.6	25.7
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	--	--	185	178
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	90	97
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	183	151
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	31	34
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	173	164

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





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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	66.8	75.4
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	29.1	34.6
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	0.01	0.02
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.67	0.52
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	--	--	5.0	5.1
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	%	--	--	20.2	24.9
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.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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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: Water

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

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

Date of Monitoring: 28.08.2025

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

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

Sample Collected By: S. Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-3	PW-4
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.0	7.6
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	--	--	1,382	1,367
5	Temperature	--	°C	--	--	36.7	29.9
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	70	58
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	251	186
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	163	171
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	179	154
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	63	61
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	22	19
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	--	--	143	167
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	115	131
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	144	156
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	38	78
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	159	137

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





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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	47.8	50.3
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	37.9	33.4
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	0.03	0.09
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.56	0.71
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	--	--	4.7	5.1
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	%	--	--	36.7	35.8
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

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product Water

Location-5: Piezo Well No-5- Water – Near CAAQMS (PW-5)

Date of Monitoring: 28.08.2025

Sample Registration Date: 29.08.2025

Analysis Starting Date: 29.08.2025

Analysis Completed Date: 03.09.2025

Issue Date: 03.09.2025

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

Sample Collected By: S. Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.8
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.2
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,468
5	Temperature	--	°C	--	--	35.9
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	80
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	293
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	164
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	152
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	58
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	25
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	--	--	174
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	128
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	159
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	92
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	170

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

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	49.8
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	33.1
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	0.04
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.43
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	%	--	--	24.9
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.
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





SEIL ENERGY INDIA LIMITED

QUALITY, OCCUPATIONAL HEALTH, SAFETY AND ENVIRONMENT POLICY

QUALITY POLICY

SEIL Energy India Limited (SEIL) is committed to achieve and sustain world-class standard of quality in power generation and uninterrupted supply of power to customers by adopting, innovating, and continually improving the best industrial practices in Operation, Maintenance and Procurement at its power stations, while complying with all applicable standards and best practices.

OCCUPATIONAL HEALTH, SAFETY AND ENVIRONMENT POLICY

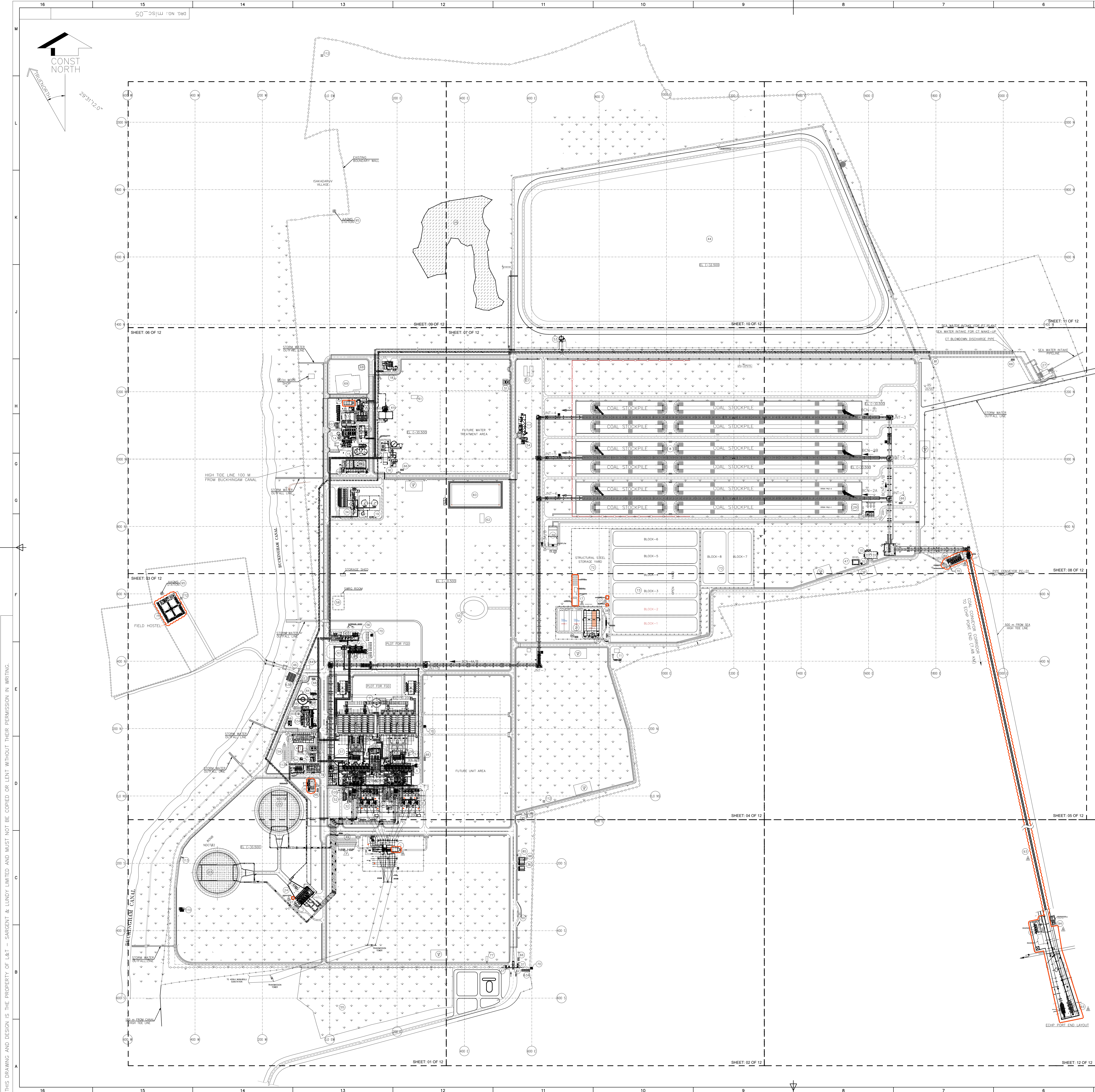
SEIL considers HSE as its core value and is committed to:

- provide safe and healthy work environment and empower employees and stakeholders involved in its operations.
- recognise HSE Objectives as an integral part of our operations; consider HSE objectives in every decision we make and in every activity we perform.
- ensure compliance to legal, regulatory, statutory norms, and standards pertaining to environment, occupational health, and safety.
- periodically assess and review the opportunities & risks and monitor HSE activities by providing adequate resources and mitigation measures.
- raise the HSE awareness and competency levels of employees and other stakeholders to deliver excellent HSE outcomes by providing necessary information, instructions, and supervision.
- the idea that all occupational illness, accidents, and environmental incidents are preventable.
- value Health, Safety, and Environment and at par with quality, operations, and cost by all stakeholders entering the premises.
- optimization of use of natural resources, protecting the environment and minimizing emissions, effluents, and waste, thereby promoting sustainability.
- continually improve occupational Health, Wellbeing, Safety, and Environment Management Systems through systematic and periodic training so as to help them work safely
- foster a culture of active collaboration to achieve interdependent safety culture and wellbeing of stakeholders.
- to provide HSE performance summary in the annual report.
- include compliance with safety systems and procedures as a condition of employment and include H&S performance for evaluation of employees and contractors.

This policy shall be widely communicated, reviewed periodically, and amended when necessary.

Janmejaya Mahapatra
Chief Executive Officer
July 9th, 2025

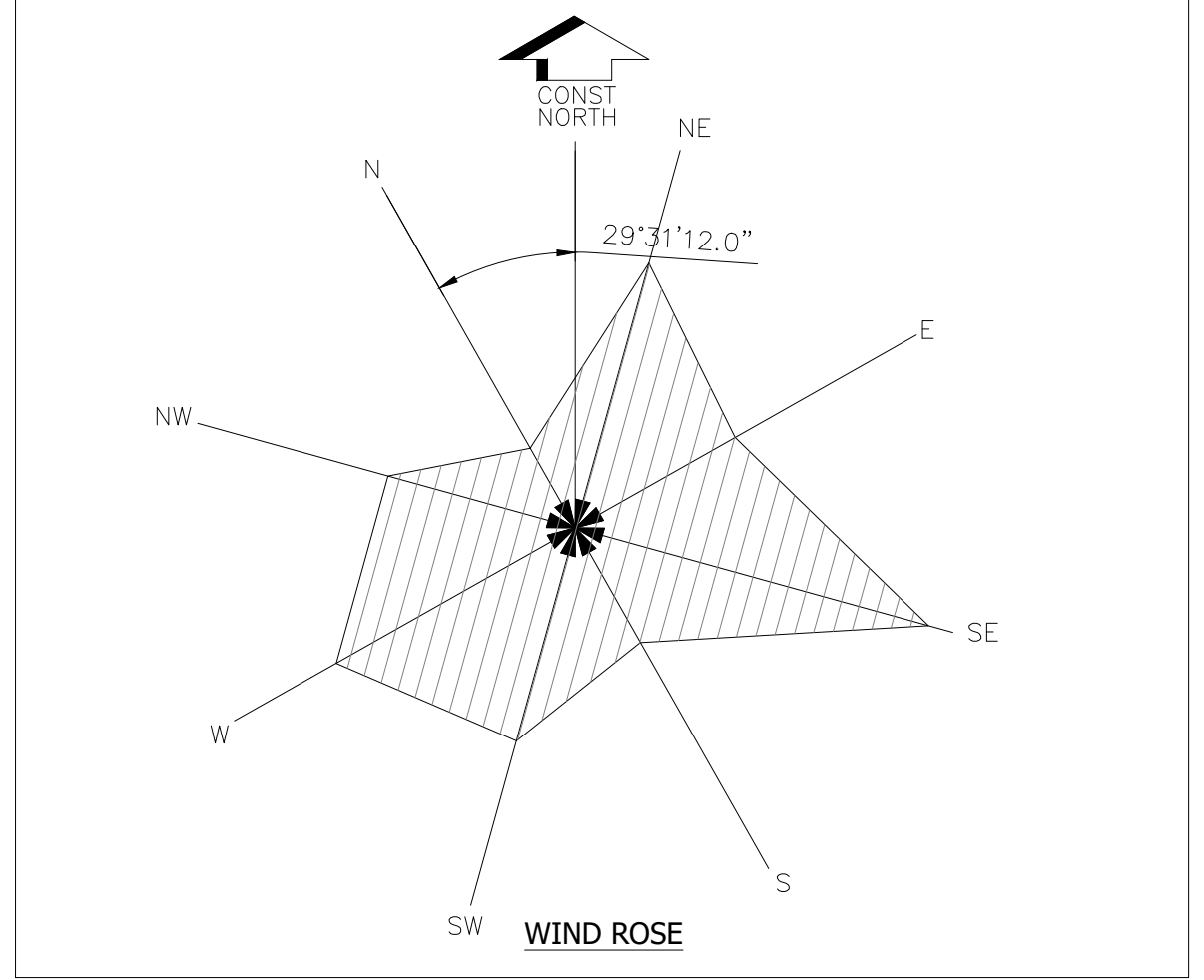
THIS DRAWING AND DESIGN IS THE PROPERTY OF L&T - SARGENT & LUNDY LIMITED AND MUST NOT BE COPIED OR LENT WITHOUT THEIR PERMISSION IN WRITING.



ANNEXURE-XV

LIST OF BUILDING/EQUIPMENT

Bldg	DESCRIPTION	SIZE IN METERS	TOTAL MOTOR RATING IN HP
1	OS & CONTROL ROOM WITH EXTENSION BLDG	74.785x12.160	27.75
2	TRANSFORMER YARD	65x65-2Nos	196.41
3	POWER HOUSE BUILDING	213.5x40.6	49889.00
4	BOILER UNITS	44.6x55.6-2Nos	55316.78
5	MILL BAY	90x22-4Bays	21447.00
6	ELECTROSTATIC PRECIPITATOR	106.6x60-2Nos	25292.00
7	STACK	9x28	12.33
8	COAL STOCK YARD & STACKER CUM RECLAIMER	750x335	2085.00
9	ASH WATER TANK & PUMP HOUSE	22x18	388.07
10	CHP MCC & CONTROL ROOM #1	42x20.4	69.03
11	NURSERY SHED	15x10	-
12	PRE TREATMENT AREA	60x35	45.98
13	CLARIFIED WATER RESERVOIR & PUMP HOUSE	37x34	778.82
14	RO-DM PLANT	42x40	4496.26
15	DM WATER STORAGE TANK	Ø16-2Nos	261.39
16	EFFLUENT TREATMENT PLANT	80x70	330.27
17	LUBRICANT PAINT WASTE OIL CYLINDER & DIESEL BOWSER STORAGE SHEDS IN STORES	14x20,6x5,9x4,6x6 & 6x4	13.00
18	COAL STOCK YARD	29.6x7,5.11x15.7	2112.00
19	FLY ASH STORAGE AREA	65x65	-
20	CANTEEN-1	32.2x17.9,10x8.6	72.02
21	COVERED STORAGE YARD	30x60-2Nos	-
22	WORKSHOP	52.2x13.6	-
23	COOLING TOWERS	Ø130 EACH-2Nos	143.63
24	C.W. PUMP HOUSE	25.8x60.5	-
25	COMPRESSOR HOUSE	37.5x15	23822.25
26	MAIN CONTROL BUILDING (CCR)	30x45	873.39
27	SEA WATER INTAKE PUMP HOUSE & CONTROL ROOM	21.3x8.17,31.3x9.1	2873.06
28	FLY ASH SILOS	Ø12 EACH-3Nos	1572.39
29	GREEN HOUSE EFFECT EXPERIMENT SHED	20x20	-
30	EMERGENCY POWER GENERATING SET	30X16	6038.61
31	ESP CONTROL CENTER	39.2x18.5 EACH	224.66
32	CONDENSATE STORAGE TANK & PUMPS	Ø7.76 EACH-2Nos	529.00
33	AHS COMPRESSOR HOUSE	54x11	-
33A	COMMON ELECTRICAL ROOM FOR AHS COMPR. HOUSE & ASH WATER P.H.	17x41	5200.54
34	H.F.O./L.D.O UNLOADING/FORWARDING P/H	80X65	683.1
35	CHEMICAL HOUSE	30.5x7.5	9.36
36	FIRE STATION	21X12.5,12X12.5	10.00
37	SECURITY POST	-	-
38	WEIGH BRIDGE CONTROL ROOM	4x4	3.0
39	COAL RUN-OFF & TREATMENT AREA	58.5X25	20.0
40	SERVICE BUILDING	34.5X24	103.75
41	TRANSIT BLOWDOWN TANK & PUMP HOUSE	14.5x9.40X20	1778.28
42	MAIN GATE COMPLEX (SOUTH SIDE)	4.5x22	14.0
43	H.CSD PUMP HOUSE CUM SILO UTILITY BLDG	2.8x3.6-2Nos	3220.65
44	ASH POND	28.9x16.49x14.8	-
45	SECURITY POST	134 ACRE	-
46	GATE-2 (WEST SIDE)	3x3	-
47	REST ROOMS	12.8x18	-
48	CANTEEN-2	10x15	5.0
49	CAR PARKING	54x15	-
50	WEIGH BRIDGE CONTROL ROOM	4x4	3.0
51	H2 STORAGE AREA	10x12	-
52	AIR WASHER UNIT	20x11.5	382.04
53	ASH WATER RECOVERY PUMP HOUSE	9.1X5.8	124.7
54	DUST SUPPRESSION PUMP HOUSE	12.5X16	564.14
55	TEMPLE	5x5	-
56	AGITATOR RETENTION TANK	Ø6-3Nos	442.36
57	MILL REJECT SILO	Ø5-2Nos	-
58	SUBSTATION FOR CONSTRUCTION POWER (DECOMMISSIONED)	-	-
59	CONTRACTORS CABINS	-	-
60	CONSTRUCTION WATER STORAGE POND	162x60	-
61	WTP EPC STORES	5x15	-
62	ELECTRICAL MATERIAL STORAGE SHED	12x27	-
63A	TWO WHEELER PARKING SHED (NEAR MAIN GATE)	17.5x5	-
63B	TWO WHEELER PARKING SHED (NEAR WEST GATE)	18x30	-
64	SECURITY RECORD ROOM	-	-
65	ASSEMBLY POINTS	-	-
66	MECH & ELEC MATERIAL STORAGE SHED	27x30	-
68	NCOL OFFICE	17x14	-
69	SITE OFFICE	72x52	-
70	TOILETS	-	-
71	FIELD HOSTEL & CRECHE	88x58	13.0
72	STRUCTURAL STEEL STORAGE YARD	-	-
73	OPEN STORAGE YARD	-	-
77	IR DEPARTMENT OFFICE	6x15	3.0
78	N2,CO2 & O2 STORAGE AREA	18X10	-
79	CPU REGENERATION	38X18	377.61
80	BOTTOM ASH SILO	Ø12 EACH-3Nos	-
81	GATE-3 (EAST SIDE)	-	-
82	OIL STORAGE TANK	11.4X8.7	10.05
83	CLARIFOCULATOR FOR AHP	Ø30	4.42
84	CHEMICAL HOUSE FOR AHP	15.75X6.0	20.11
85	FIRST AID CENTER	6x9	6.7
86	CONSTRUCTION STORAGE & GREEN BELT BUILDING	-	-
87	AUX. BOILER	25X16.5	250.67
88	DESALINATION FIRE WATER & RESERVOIR	63.9x35.8	1680.29
89	PLANT END ECHP MCC ROOM	42x10	6239.61
92	PORT END ECHP MCC ROOM	30x16.5	-
93	ECHP COAL PIPE CONVEYING SYSTEM	44x10.5	4398.66
94	PORT END ECHP FIRE WATER PUMP HOUSE AND STORAGE TANK	13x24	234.00
95	AAQMS STATION - 3 Nos	-	-
96	WEATHER STATION - 1 No	-	-
97	CHEMICAL STORAGE SHED NEAR CWP	-	-
101	WTP LABORATORY BUILDING	35x15	-
102	CHEMICAL HOUSE FOR REFIN PLANT	30x11	-
103	SWRO REJECT WATER TANK & PH	7.5x14	-
105	EMERGENCY LUBE OIL PIT	13.4x14.4	-
106	FIRE WATER BOOSTER PUMP HOUSE	5x5	10.0
107	INTERMEDIATE SLUMP PIT	Ø4.5	49.60
108	SLUMP PIT FOR BBD/APH WASH	4x3	40.21
110	SEWAGE TREATMENT PLANT	5X9 EACH	221.18
111	CHP MCC & CONTROL ROOM #2	14.350x12.350	40.60
112	AIR AMBIENT QUALITY MONITORING SYSTEM	61.2X12.5	37.13
113	STP INTERMEDIATE LIFTING STATION	6X6-3Nos	-
114	BULLDOZER SHED	3.5X1.85-2Nos	3.0
115	RAIN WATER HARVESTING POND (NATURAL POND)	24X10.5	-
116	RAIN WATER HARVESTING POND	-	-
117	JNT-1 TO 10 AND CRUSHER HOUSE	50X30-9NOS	-
TOTAL IN HP		16129.92	246578.90



LEGEND:

PRESENT UNIT :	FENCE :
FUTURE UNIT :	PLANT BOUNDARY WALL
PIPE RACK :	RAIL TRACK :
SLEEPER WAY :	GREEN BELT :
PROPERTY LIMIT :	PAVED AREA :
OUT FALL : OF	FLY ASH PIPE RACK :
FLY ASH SLEEPER WAY :	FLY ASH SLEEPER WAY :
CABLE RACK :	

ASSEMBLY POINTS

S.No	Main Gate	Location	REF.BLDG No.
I	MAIN GATE		42
II	SERVICE BUILDING		40
III	WEST GATE NEAR ASH SILO		46
IV	WARE HOUSE		21
V	EFFLUENT TREATMENT PLANT		16
VI	BOILER 2 NEAR TT-3		57
VII	CHP DOZER SHED		114
VIII	SEA WATER INTAKE PUMP HOUSE		27

NOTES:

01. ALL DIMENSIONS ARE IN MM. LEVELS AND CO-ORDINATES ARE IN METERS UNLESS OTHERWISE SPECIFIED.
02. EL (+)0.000 REFERS TO RL (+) 4.000 FROM MSL WHICH CORRESPONDS TO FINISHED FLOOR LEVEL (FFL) OF MAIN POWER HOUSE BUILDING & FLD CORRESPONDS TO EL(-)0.500.
03. GREEN BELT AREA IS 315 ACRE AFTER CONSTRUCTION IS COMPLETED

FOR FACTORY INSPECTOR APPROVAL

8	01.09.21	REVISED AS PER SITE MODIFICATIONS AND SUBMIT FOR FACTORY INSPECTOR APPROVAL	VNK	RM/VVK/S	BVSR
7	05.05.19	REVISED AS PER SITE MODIFICATIONS AND SUBMIT FOR FACTORY INSPECTOR APPROVAL	VNK	BVSR	BR
6	19-JAN-16	REVISED AS MARKED & ISSUED FOR REF	TSSP	CVS	NSS
5	16-MAR-15	ISSUED FOR CONSTRUCTION	PND	JPA	MIT
4	14-FEB-14	ISSUED FOR CONSTRUCTION	SPA	AH	MT
3	09-APR-13	ISSUED FOR CONSTRUCTION	SPA	AH	PPL
2	24-AUG-12	ISSUED FOR CONSTRUCTION	SPA	AH	PPL
1	08-JUN-12	REVISED AS PER MON DTD, 01.06.12	SPA	AH	PPL
REV.	DATE	DESCRIPTION	BY	MEC	ELE

PROJECT: SEMSCORP ENERGY INDIA LIMITED- PROJECT-2
(Formerly NCC Power Projects Limited)
(2 x 660MW SUPERCritical THERMAL POWER PROJECT) - NELLORE

DESIGN	DATE	NAME	TITLE
DRAWN	01-SEP-20	VNK	
CHECKED	11-MAR-19	BVSR	
APPROVED	11-MAR-19	RM	L&T-S&L DRG. NO.: T558000-UCD7-00-ZEN-110001
FILE NAME	drawing_11lenore	SCALE: 1:4000	SHEET: 01 OF 01

PLAT PLAN (INDEX LAYOUT)



भारत सरकार

Government of India

वाणि और उ ाग म ालय

Ministry of Commerce & Industry

पेटोलियम तथा वि ोटक सुर ा संगठन (पैसो)

Petroleum & Explosives Safety Organisation (PESO)

डोर न. ७-२०-१३, किरलामपुडी लेआउट

विशाखाप नम- 530017

Door No. 7-20-13,

Kirlampudi Layout,

Visakhapatnam - 530017

ANNEXURE-XII

E-mail : dyccevizag@explosives.gov.in

Phone/Fax No : 0891-2722257

सं T/No. : P/HQ/AP/15/4066 (P340586)

दिनांक /Dated : 01/01/2024

सेवा म.
/To,

M/s. SEIL Energy India Limited Project-2,
Ananthavaram Village, Varkavipudi Panchayat, TP G,
Ananthavaram,
Taluka: Thotapalligudur,
District: NELLORE,
State: Andhra Pradesh
PIN: 524344

विषय /Sub : Survey No, 85, NA, Sivaramapuram, Thotapalligudur, Taluka: Thotapalligudur, District: NELLORE, State: Andhra Pradesh, PIN: 524344 में ढ्ढत विमान पेटोलियम वर्ग B,C अधिापन में अनुा सं P/HQ/AP/15/4066 (P340586) के नवीकरण के संदर्भ में ।
Existing Petroleum Class B,C Installation at Survey No, 85, NA, Sivaramapuram, Thotapalligudur, Taluka: Thotapalligudur, District: NELLORE, State: Andhra Pradesh, PIN: 524344 - Licence No. P/HQ/AP/15/4066 (P340586) - Renewal regarding.

महोदय
/Sir(s),

कृपया आपके पत्र क्रमांक OIN1554492 दिनांक 22/12/2023 का अवलोकन करें ।

Please refer to your letter No.: OIN1554492, dated 22/12/2023

अनुा सं P/HQ/AP/15/4066 (P340586) दिनांक 11/11/2022 को दिनांक 31/12/2028 तक नवीनीकृत कर इस पत्र के साथ अग्रषित की जा रही है ।

Licence No. P/HQ/AP/15/4066 (P340586) dated 11/11/2022 is forwarded herewith duly renewed upto 31/12/2028.

कृपया पेटोलियम नियम 2002 के अधीन बनाए गए नियम 148 में दी गई ाक्रिया का कडाई से पालन करें । अनुा के नवीकरण हेतु समू द विषयों को अनुा की वैधता समा होने की तिथि से कम से कम 30 दिन पूर्व कार्यालय को ढेषित करें ।

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence so as to reach this office on or before the date on which Licence expires.

कृपया पावती दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

((एस. के. भोले)

(S. K. Bhole))

वि ोटक नियं क

Controller of Explosives

कृते उप मु वि ोटक नियं क

For Dy. Chief Controller of Explosives

विशाखाप नम/Visakhapatnam

Note:-This is system generated document does not require signature.

(अधिक जानकारी जैसे आवेदन की ढ्ढति, शुु तथा अा विवरण के लिए हमारी वेबसाइट : <http://peso.gov.in> देखें)

(For more information regarding status, fees and other details please visit our website: <http://peso.gov.in>)

प XV
(प्रथम अनुसूची का अनुसूच 6 दे.खए)
FORM XV
(see Article 6 of the First Schedule)

अधिकापनों में पेट्रोलियम के आयात और भंडारकरण के लिए अनुमति
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

अनुमति सं. (Licence No.) : **P/HQ/AP/15/4066(P340586)**

फीस रूपए (Fee Rs.) **77500/-** per year

M/s. SEIL Energy India Limited Project-2, Ananthavaram Village, Varkavipudi Panchayat, TP G, Ananthavaram, Taluka: Thotapalligudur, District: NELLORE, State: Andhra Pradesh, PIN: 524344 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम **6500.00 KL** आयात करने के लिए और उसका, नीचे वर्णित और अनुमोदित नक्शा सं. **P/HQ/AP/15/4066(P340586)** तारीख **01/12/2023** जो कि इससे उपाबद्ध हैं, में दिखाए गए स्थान पर भंडारण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुमति की अतिरिक्त शर्तों के अधीन रहते हुए, यह अनुमति अनुदत्त की जाती है।

Licence is hereby granted to **M/s. SEIL Energy India Limited Project-2, Ananthavaram Village, Varkavipudi Panchayat, TP G, Ananthavaram, Taluka: Thotapalligudur, District: NELLORE, State: Andhra Pradesh, PIN: 524344** valid only for the importation and storage of **6500.00 KL** Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No **P/HQ/AP/15/4066(P340586)** dated **01/12/2023** attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुमति 31st day of December **2028** तक प्रवृत्त रहेगी।

The Licence shall remain in force till the 31st day of December **2028**

पेट्रोलियम का विवरण /Description of Petroleum	अनुमति मात्रा (किलोलीटरों में) /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	NIL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	500.00 KL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	6000.00 KL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	6500.00 KL

August 25, 2015

For Chief Controller of Explosives
HQ, Nagpur

- 1). Amendment dated - 28/12/2016
- 2). Amendment dated - 11/11/2022

अनुमति परिसरों का विवरण और अवस्थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुमति परिसर जिसकी विषय सीमाएं अंग्रेजी विषयों संलग्न अनुमोदित नक्शों में दिखाई गई हैं **Survey No: 85, NA, Sivaramapuram, Thotapalligudur, Taluka: Thotapalligudur, District: NELLORE, State: Andhra Pradesh, PIN: 524344** स्थान पर अवस्थित है तथा उसमें निम्नलिखित **As per approved drawing attached to the licence.** संलग्न लिखित हैं।

The licensed premises, the layout, boundaries and other particulars of which are shown in the attached approved plan are situated at **Survey No: 85, NA, Sivaramapuram, Thotapalligudur, Taluka: Thotapalligudur, District: NELLORE, State: Andhra Pradesh, PIN: 524344** and consists of **As per approved drawing attached to the licence.** together with connected facilities.

Note:-This is system generated document does not require signature.

अनु सं T-(Licence No.) P/HQ/AP/15/4066 (P340586)

नवीनीकरण के पंक्तिन के लिए थान
SPACE FOR ENDORSEMENT OF RENEWALS

पेट्रोलियम अधिनियम, १९३४ के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुपत्र की शर्तों का उल्लंघन न होने की दशा में यह अनुपत्र फ़िर्स में बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी।

This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.

	नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry of license	अनुपत्र पंक्ति अधिकारी के हस्ताक्षर और स्टांप Signature and office stamp of the licencing authority.
1).	30/11/2015	31/12/2018	Sd/- Dr. R. K. Rathore Jt. Chief Controller of Explosives For Dy. Chief Controller of Explosives Visakhapatnam
2).	12/12/2018	31/12/2023	Sd/- J. Sarkar Dy. Chief Controller of Explosives Visakhapatnam
3).	01/01/2024	31/12/2028	S. K. Bhole Controller of Explosives For Dy. Chief Controller of Explosives Visakhapatnam

यदि अनुपत्र परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाए जाते हैं और जिन नियमों और शर्तों के अधीन यह अनुपत्र मंजूर की गई है उनमें से किसी का उल्लंघन होने की दशा में यह अनुपत्र रद्द की जा सकती है और अनुपत्र धारी पंथम अपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और पंक्ति अपराध के लिए साधारण कारावास से जो तीन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दंडनीय होगा।

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.

Note:-This is system generated document does not require signature.



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

TEST REPORT

ANNEXURE-XIII

ISSUED TO:

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

Group: Atmospheric Pollution

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

Sampling Location-1: Main Gate

Sample Registration Date: 22.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	21.05.2025	00:00	43.7
2		01:00	35.2
3		02:00	32.5
4		03:00	29.1
5		04:00	42.0
6		05:00	46.4
7		06:00	55.5
8		07:00	42.3
9		08:00	34.9
10		09:00	43.5
11		10:00	50.2
12		11:00	54.6
13		12:00	52.3
14		13:00	58.9
15		14:00	51.5
16		15:00	48.9
17		16:00	43.1
18		17:00	54.7
19		18:00	47.9
20		19:00	63.4
21		20:00	44.1
22		21:00	43
23		22:00	44.8
24		23:00	35.7

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. 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





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TEST REPORT

ISSUED TO:

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

Group: Atmospheric Pollution
Product: Noise Monitoring (24 Hrs.)- MAY 2025
Sampling Location-2: BTG Area

Sample Registration Date: 22.05.2025
Issue Date: 28.05.2025
Lab Ref: SEPL/ES/SEILEILP/05-25/0002

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	21.05.2025	00:00	35.6
2		01:00	39.4
3		02:00	32.5
4		03:00	36.7
5		04:00	38.6
6		05:00	36.7
7		06:00	43.1
8		07:00	56.0
9		08:00	42.3
10		09:00	54.8
11		10:00	51.7
12		11:00	46.8
13		12:00	54.8
14		13:00	53.4
15		14:00	58.2
16		15:00	47.3
17		16:00	56.1
18		17:00	57.4
19		18:00	47.5
20		19:00	44.2
21		20:00	53.1
22		21:00	45.8
23		22:00	46.6
24		23:00	42.2

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. 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





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

Group: Atmospheric Pollution

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

Sampling Location-3: Coal Handling Plant

Sample Registration Date: 22.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	21.05.2025	00:00	36.7
2		01:00	30.3
3		02:00	42.6
4		03:00	35.7
5		04:00	37.4
6		05:00	36.6
7		06:00	48.7
8		07:00	56.9
9		08:00	41.0
10		09:00	44.6
11		10:00	48.7
12		11:00	58.3
13		12:00	53.5
14		13:00	48.8
15		14:00	54.9
16		15:00	55.5
17		16:00	51.1
18		17:00	46.8
19		18:00	45.5
20		19:00	47.3
21		20:00	46.9
22		21:00	53.7
23		22:00	54.3
24		23:00	48.5

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

Web : www.spectraenviro.com | **E-mail:** sepl.sjn@gmail.com | info@spectraenviro.com

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





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TEST REPORT

ISSUED TO:

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

Group: Atmospheric Pollution

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

Sampling Location-4: Varakavipudi Village

Sample Registration Date: 22.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	21.05.2025	00:00	28.8
2		01:00	34.2
3		02:00	38.3
4		03:00	34.1
5		04:00	24.6
6		05:00	31.2
7		06:00	43.6
8		07:00	36.6
9		08:00	44.9
10		09:00	43.1
11		10:00	41.1
12		11:00	46.9
13		12:00	44
14		13:00	48.2
15		14:00	50.3
16		15:00	51.7
17		16:00	50.2
18		17:00	45.9
19		18:00	46.8
20		19:00	43.8
21		20:00	36.7
22		21:00	34
23		22:00	35.7
24		23:00	36.6

CPCB Standards (Residential Area)

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. 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





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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

(2x660 MW Coal Based Thermal Power Plant),

Near Ananthavaram (V), Thotapalli Gudur (M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

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

Sampling Location-5: Sivaramapuram Village

Sample Registration Date: 22.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	21.05.2025	00:00	36.4
2		01:00	32.6
3		02:00	38.1
4		03:00	34.2
5		04:00	33.3
6		05:00	24.6
7		06:00	40.7
8		07:00	42.0
9		08:00	36.9
10		09:00	37.8
11		10:00	46.5
12		11:00	43.2
13		12:00	44.1
14		13:00	38.9
15		14:00	37.6
16		15:00	45.3
17		16:00	44.8
18		17:00	47.8
19		18:00	44.6
20		19:00	43.2
21		20:00	35.5
22		21:00	32.0
23		22:00	31.2
24		23:00	31.0

CPCB Standards (Residential Area)

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. 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





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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

(2x660 MW Coal Based Thermal Power Plant),

Near Ananthavaram (V), Thotapalli Gudur (M),

SPSR Nellore (Dist.) - 524344.

Group: Atmospheric Pollution

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

Sampling Location-6: Chandrasekharapuram Village

Sample Registration Date: 22.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	21.05.2025	00:00	33.6
2		01:00	32.1
3		02:00	26.4
4		03:00	36.5
5		04:00	25.8
6		05:00	35.4
7		06:00	32.2
8		07:00	44.3
9		08:00	48.1
10		09:00	43.6
11		10:00	52.8
12		11:00	53.4
13		12:00	46.2
14		13:00	42.8
15		14:00	45.0
16		15:00	34.7
17		16:00	48.2
18		17:00	45.5
19		18:00	43.0
20		19:00	46.6
21		20:00	34.2
22		21:00	45.9
23		22:00	30.5
24		23:00	26.8

CPCB Standards (Residential Area)

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. 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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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-2

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

Group: Atmospheric Pollution

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

Date of Sampling: 21-05-2025

Sample Registration Date: 22.05.2025

Issue Date: 28.05.2025

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

TEST RESULT

Particulars	Main Gate dB (A)	BTG Area dB (A)	Coal Handling Plant dB (A)	Varakavipudi Village dB (A)	Sivaramapuram Village dB (A)	Chandra sekharapuram 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	29.1	32.5	30.3	24.6	24.6	25.8
Maximum	63.4	58.2	58.3	52.3	47.8	51.8
Average	45.8	46.7	46.8	41.1	38.6	39.8

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

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

TEST REPORT

ISSUED TO:

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

Group: Atmospheric Pollution

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

Sampling Location-1: Main Gate

Sample Registration Date: 29.08.2025

Issue Date: 03.09.2025

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

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	28.08.2025	00:00	41.6
2		01:00	31.2
3		02:00	33.3
4		03:00	31.1
5		04:00	43.5
6		05:00	42.1
7		06:00	58.3
8		07:00	45.3
9		08:00	36.6
10		09:00	46.7
11		10:00	52.8
12		11:00	57.4
13		12:00	53.6
14		13:00	59.8
15		14:00	47.2
16		15:00	50.9
17		16:00	45.1
18		17:00	56.3
19		18:00	49.2
20		19:00	59.7
21		20:00	46.6
22		21:00	46.9
23		22:00	46.3
24		23:00	40.1

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. 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

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TEST REPORT

ISSUED TO:

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

Group: Atmospheric Pollution

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

Sampling Location-2: BTG Area

Sample Registration Date: 29.08.2025

Issue Date: 03.09.2025

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

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	28.08.2025	00:00	35.9
2		01:00	36.7
3		02:00	33.8
4		03:00	38.1
5		04:00	39.2
6		05:00	39.6
7		06:00	45.7
8		07:00	53.9
9		08:00	39.8
10		09:00	55.6
11		10:00	49.3
12		11:00	43.9
13		12:00	56.8
14		13:00	55.4
15		14:00	57.2
16		15:00	51.3
17		16:00	55.4
18		17:00	57.8
19		18:00	48.4
20		19:00	42.3
21		20:00	55.3
22		21:00	50.2
23		22:00	48.5
24		23:00	45.6

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

Serial No : 200525272

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

Web : www.spectraenviro.com | **E-mail:** sepl.sjn@gmail.com | info@spectraenviro.com

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





SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

(2x660 MW Coal Based Thermal Power Plant),

Near Ananthavaram (V), Thotapalli Gudur (M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

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

Sampling Location-3: Coal Handling Plant

Sample Registration Date: 29.08.2025

Issue Date: 03.09.2025

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

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	28.08.2025	00:00	35.6
2		01:00	30.8
3		02:00	43.7
4		03:00	37.4
5		04:00	40.1
6		05:00	38.2
7		06:00	51.1
8		07:00	54.7
9		08:00	43.4
10		09:00	49.8
11		10:00	43.1
12		11:00	57.3
13		12:00	55.1
14		13:00	47.2
15		14:00	53.7
16		15:00	55.4
17		16:00	56.3
18		17:00	44.5
19		18:00	47.3
20		19:00	43.1
21		20:00	47.3
22		21:00	55.9
23		22:00	59.6
24		23:00	51.3

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

Web : www.spectraenviro.com | **E-mail:** sepl.sjn@gmail.com | info@spectraenviro.com

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





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TEST REPORT

ISSUED TO:

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

Group: Atmospheric Pollution

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

Sampling Location-4: Varakavipudi Village

Sample Registration Date: 29.08.2025

Issue Date: 03.09.2025

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

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	28.08.2025	00:00	30.1
2		01:00	37.3
3		02:00	41.2
4		03:00	38.7
5		04:00	29.3
6		05:00	34.5
7		06:00	41.3
8		07:00	39.8
9		08:00	46.7
10		09:00	43.5
11		10:00	47.6
12		11:00	50.7
13		12:00	47.3
14		13:00	51.6
15		14:00	47.3
16		15:00	52.9
17		16:00	51.7
18		17:00	43.6
19		18:00	50.2
20		19:00	44.9
21		20:00	37.8
22		21:00	36.1
23		22:00	38.5
24		23:00	39.6

CPCB Standards (Residential Area)

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. 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



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

TEST REPORT

ISSUED TO:

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

Group: Atmospheric Pollution

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

Sampling Location-5: Sivaramapuram Village

Sample Registration Date: 29.08.2025

Issue Date: 03.09.2025

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

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	28.08.2025	00:00	32.7
2		01:00	34.6
3		02:00	37.8
4		03:00	36.5
5		04:00	35.2
6		05:00	23.8
7		06:00	31.4
8		07:00	43.5
9		08:00	38.1
10		09:00	40.5
11		10:00	49.2
12		11:00	46.4
13		12:00	49.8
14		13:00	41.5
15		14:00	40.5
16		15:00	41.7
17		16:00	46.9
18		17:00	44.2
19		18:00	49.4
20		19:00	46.3
21		20:00	36.8
22		21:00	34.9
23		22:00	39.4
24		23:00	34.7

CPCB Standards (Residential Area)

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. 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



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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

(2x660 MW Coal Based Thermal Power Plant),

Near Ananthavaram (V), Thotapalli Gudur (M),

SPSR Nellore (Dist.) -524344.

Group: Atmospheric Pollution

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

Sampling Location-6: Chandrasekharapuram Village

Sample Registration Date: 29.08.2025

Issue Date: 03.09.2025

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

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	28.08.2025	00:00	34.2
2		01:00	37.8
3		02:00	26.7
4		03:00	32.9
5		04:00	30.4
6		05:00	38.6
7		06:00	34.2
8		07:00	48.1
9		08:00	50.2
10		09:00	44.4
11		10:00	46.3
12		11:00	51.5
13		12:00	40.2
14		13:00	43.3
15		14:00	46.6
16		15:00	30.4
17		16:00	52.8
18		17:00	49.1
19		18:00	45.7
20		19:00	45.2
21		20:00	41.5
22		21:00	47.3
23		22:00	34.2
24		23:00	28.6

CPCB Standards (Residential Area)

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. 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





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TEST REPORT

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M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Group: Atmospheric Pollution

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

Date of Sampling: 28-08-2025

Sample Registration Date: 29.08.2025

Issue Date: 03.09.2025

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

TEST RESULT

Particulars	Main Gate dB (A)	BTG Area dB (A)	Coal Handling Plant dB (A)	Varakavipudi Village dB (A)	Sivaramapuram Village dB (A)	Chandra sekharapuram 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	31.1	33.8	30.8	29.3	23.8	26.7
Maximum	59.8	57.8	59.6	52.9	49.8	52.8
Average	46.7	47.3	47.6	43.6	40.7	41.4

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-XIV

TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – APRIL 2025

Location-1: Fire Station (Plant Site)

Sample Registration Date: 27.04.2025

Issue Date: 02.05.2025

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

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
03.04.2025	51.8	28.6	10.6	15.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
04.04.2025	43.9	42.8	16.4	9.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.04.2025	39.7	36.5	21.5	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.04.2025	46.8	34.9	7.5	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.04.2025	39.8	32.7	13.6	15.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.04.2025	43.1	39.6	23.9	11.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.04.2025	38.7	25.4	9.8	10.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.04.2025	50.6	32.2	13.4	19.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	38.7	25.4	7.5	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	51.8	42.8	23.9	19.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	44.3	34.1	14.6	13.0	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	51.6	42.4	23.6	18.9	<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 : AAQ510 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due: 28.02.2026

K.S. Jay
Verified by



Praveesh W.
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

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-2

(2x660 MW Coal Based Thermal Power Plant),

Near Ananthavaram (V), Thotapalli Gudur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – APRIL 2025

Location-2: Sivaramapuram Village

Sample Registration Date: 27.04.2025

Issue Date: 02.05.2025

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

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
03.04.2025	29.7	22.6	15.4	8.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
04.04.2025	36.5	34.7	16.9	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.04.2025	25.4	31.9	15.5	12.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.04.2025	50.1	35.6	18.2	10.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.04.2025	53.9	20.2	19.7	9.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.04.2025	45.5	31.7	13.6	12.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.04.2025	38.6	32.6	11.1	13.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.04.2025	35.5	29.4	16.7	11.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	25.4	20.2	11.1	8.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	53.9	35.6	19.7	13.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	39.4	29.8	15.9	11.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	53.4	35.5	19.5	13.7	<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	2.0

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



Praveesh W.
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

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





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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

(2x660 MW Coal Based Thermal Power Plant),

Near Ananthavaram (V), Thotapalli Gudur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – APRIL 2025

Location-3: Chandrasekharapuram Village

Sample Registration Date: 27.04.2025

Issue Date: 02.05.2025

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
03.04.2025	25.7	22.2	15.5	7.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
04.04.2025	28.4	29.7	13.6	15.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.04.2025	36.7	31.9	9.8	11.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.04.2025	43.9	25.5	13.6	14.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.04.2025	40.8	30.7	11.1	8.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.04.2025	35.4	29.6	12.6	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.04.2025	42.9	20.4	19.7	8.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.04.2025	47.4	33.8	13.4	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	25.7	20.4	9.8	7.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.4	33.8	19.7	15.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	37.7	28.0	13.7	10.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.9	33.5	19.1	15.5	<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	2.0

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 : AAQ510 MFC / 220723

Make : SSE (Shree Scientific Equipment)

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





SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

(2x660 MW Coal Based Thermal Power Plant),

Near Ananthavaram (V), Thotapalli Gudur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – APRIL 2025

Location-4: Varakavipudi Village

Sample Registration Date: 27.04.2025

Issue Date: 02.05.2025

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
03.04.2025	30.5	30.7	15.7	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
04.04.2025	35.6	36.4	11.3	10.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.04.2025	43.8	25.5	20.4	13.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.04.2025	29.0	22.9	18.6	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.04.2025	52.7	35.8	13.9	16.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.04.2025	50.8	32.2	19.1	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.04.2025	34.2	38.1	16.7	15.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.04.2025	48.3	25.9	15.4	12.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	29.0	22.9	11.3	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	52.7	38.1	20.4	16.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.6	30.9	16.4	11.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	52.4	37.9	20.2	16.4	<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	2.0

Instruments Details:

Instrument : Fine Particulate sampler

Model/SI NO : AAQ510 / 220830

Make : SSE (Shree Scientific Equipment)

Calibration Due : 28.02.2026

Instruments Detail:

Instrument : Respirable Dust sampler

Model/SI NO : AAQ510 MFC / 220723

Make : SSE (Shree Scientific Equipment)

Calibration Due : 28.02.2026

K.S. Jay
Verified by



Praveesh W.
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

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

SUMMARY OF AMBIENT AIR QUALITY – APRIL 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM ₁₀	Minimum	µg/m ³	38.7	25.4	25.7	29.0
	Maximum		51.8	53.9	47.4	52.7
	Average		44.3	39.4	37.7	40.6
	98 Percentile		51.6	53.4	46.9	52.4
PM _{2.5}	Minimum		25.4	20.2	20.4	22.9
	Maximum		42.8	35.6	33.8	38.1
	Average		34.1	29.8	28.0	30.9
	98 Percentile		42.4	35.5	33.5	37.9
SO ₂	Minimum		7.5	11.1	9.8	11.3
	Maximum		23.9	19.7	19.7	20.4
	Average		14.6	15.9	13.7	16.4
	98 Percentile		23.6	19.5	19.1	20.2
NO _x	Minimum		8.7	8.4	7.5	7.9
	Maximum		19.5	13.9	15.7	16.6
	Average		13.0	11.1	10.7	11.9
	98 Percentile		18.9	13.7	15.5	16.4

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

TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – MAY 2025

Location-1: Fire Station (Plant Site)

Sample Registration Date: 02.06.2025

Issue Date: 09.06.2025

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

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
01.05.2025	37.6	31.1	12.2	11.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.05.2025	35.4	30.8	13.5	11.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.05.2025	44.1	29.3	9.9	9.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.05.2025	26.9	27.9	9.1	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.05.2025	41.5	30.2	15.6	17.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.05.2025	36.1	22.5	16.7	14.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.05.2025	40.4	18.7	10.3	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.05.2025	45.2	31.6	16.6	15.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.05.2025	38.8	22.4	11.4	8.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.05.2025	42.3	29.9	13.3	11.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	26.9	18.7	9.1	8.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	45.2	31.6	16.7	17.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	38.8	27.4	12.9	12.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	45.0	31.5	16.7	16.8	<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 : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due: 28.02.2026

K.S. Jay
Verified by



Bharath W.
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

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





SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – MAY 2025

Location-2: Sivaramapuram village

Sample Registration Date: 02.06.2025

Issue Date: 08.06.2025

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
01.05.2025	32.2	25.6	19.5	9.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.05.2025	29.5	29.2	12.9	10.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.05.2025	31.1	25.7	18.4	15.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.05.2025	47.6	29.9	10.8	14.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.05.2025	27.3	24.3	16.3	10.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.05.2025	38.8	30.8	17.7	15.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.05.2025	42.4	29.7	14.9	17.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.05.2025	39.2	18.3	19.2	8.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.05.2025	45.5	32.4	9.8	11.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.05.2025	39.4	30.5	20.1	17.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	27.3	18.3	9.8	8.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.6	32.4	20.1	17.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	37.3	27.6	16.0	13.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.2	32.1	20.0	17.6	<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	2.0

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.Lg
Verified by



Bharath W.
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

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-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – MAY 2025

Location-3: Chandrasekharapuram Village

Sample Registration Date: 02.06.2025

Issue Date: 08.06.2025

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
01.05.2025	29.9	25.6	13.7	9.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.05.2025	31.1	31.2	15.5	12.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.05.2025	39.7	21.6	8.4	15.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.05.2025	30.1	29.8	14.8	14.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.05.2025	44.7	24.5	14.6	10.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.05.2025	31.2	32.8	15.1	13.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.05.2025	35.7	24.6	11.6	9.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.05.2025	41.9	23.6	14.2	8.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.05.2025	43.6	26.7	16.2	14.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.05.2025	26.7	28.8	10.6	15.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	26.7	21.6	8.4	8.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	44.7	32.8	16.2	15.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	35.5	26.9	13.5	12.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	44.5	32.5	16.1	15.4	<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	2.0

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 : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S.Lg
Verified by



Bharath W.
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

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





SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – MAY 2025

Location-4: Varakavipudi Village

Sample Registration Date: 02.06.2025

Issue Date: 08.06.2025

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
01.05.2025	34.4	32.2	12.6	10.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.05.2025	38.7	27.2	14.6	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.05.2025	46.9	29.5	12.2	13.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.05.2025	32.5	19.8	14.7	10.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.05.2025	45.6	26.3	8.1	11.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.05.2025	46.8	22.8	11.5	12.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.05.2025	38.2	32.4	14.2	8.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.05.2025	42.6	29.2	13.7	9.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.05.2025	45.5	18.7	12.2	11.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.05.2025	31.2	28.3	12	12.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	31.2	18.7	8.1	8.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.9	32.4	14.7	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.2	26.6	12.6	11.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.9	32.4	14.7	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	2.0

Instruments Details:

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

Instruments Detail:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S.Laj
Verified by



Bharath W.
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

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

SUMMARY OF AMBIENT AIR QUALITY – MAY 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM ₁₀	Minimum	µg/m ³	26.9	27.3	26.7	31.2
	Maximum		45.2	47.6	44.7	46.9
	Average		38.8	37.3	35.5	40.2
	98 Percentile		45.0	47.2	44.5	46.9
PM _{2.5}	Minimum		18.7	18.3	21.6	18.7
	Maximum		31.6	32.4	32.8	32.4
	Average		27.4	27.6	26.9	26.6
	98 Percentile		31.5	32.1	32.5	32.4
SO ₂	Minimum		9.1	9.8	8.4	8.1
	Maximum		16.7	20.1	16.2	14.7
	Average		12.9	16.0	13.5	12.6
	98 Percentile		16.7	20.0	16.1	14.7
NO _x	Minimum		8.8	8.8	8.6	8.6
	Maximum		17.2	17.6	15.5	13.6
	Average		12.3	13.1	12.4	11.4
	98 Percentile		16.8	17.6	15.4	13.5

K.S.Laj
Verified by



Bhuresh 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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SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JUNE 2025

Location-1: Fire Station (Plant Site)

Sample Registration Date: 05.07.2025

Issue Date: 10.07.2025

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
05.06.2025	35.4	32.2	13.2	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.06.2025	34.2	31.4	12.4	16.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.06.2025	45.7	32.3	10.1	10.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.06.2025	27.6	28.7	11.9	11.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.06.2025	42.8	33.5	14.5	16.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.06.2025	37.9	23.6	17.8	15.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.06.2025	41.3	19.9	11.2	14.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.06.2025	46.4	32.1	15.3	16.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	27.6	19.9	10.1	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.4	33.5	17.8	16.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	38.9	29.2	13.3	14.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.1	33.3	17.5	16.6	<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 : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S.Lg
Verified by



Bharath 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

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JUNE 2025

Location-2: Sivaramapuram village

Sample Registration Date: 05.07.2025

Issue Date: 10.07.2025

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
05.06.2025	31.4	26.4	21.2	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.06.2025	28.2	30.2	13.5	11.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.06.2025	32.5	27.6	19.4	17.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.06.2025	48.9	30.1	14.3	15.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.06.2025	28.2	25.5	17.6	12.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.06.2025	37.6	31.2	18.3	16.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.06.2025	41.1	29.7	15.7	16.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.06.2025	40.3	19.7	17.1	9.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	28.2	19.7	13.5	9.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	48.9	31.2	21.2	17.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	36.0	27.6	17.0	13.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.8	31.1	20.0	17.6	<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	2.0

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.Laj
Verified by



Bharath 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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(2x660 MW Coal Based Thermal Power Plant),

Near Ananthavaram (V), Thotapalli Gudur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JUNE 2025

Location-3: Chandrasekharapuram Village

Sample Registration Date: 05.07.2025

Issue Date: 10.07.2025

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
05.06.2025	30.2	26.6	14.5	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.06.2025	32.5	33.4	16.3	13.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.06.2025	40.3	22.7	12.6	16.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.06.2025	31.6	30.8	11.2	15.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.06.2025	45.4	25.9	15.5	11.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.06.2025	33.3	31.5	16.8	14.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.06.2025	36.7	26.1	12.4	17.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.06.2025	42.2	24.3	13.9	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	30.2	22.7	11.2	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	45.4	33.4	16.8	17.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	36.5	27.7	14.2	13.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	45.0	33.1	16.7	17.0	<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	2.0

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 : AAQ510 MFC / 220723

Make : SSE (Shree Scientific Equipment)

Calibration Due : 28.02.2026

K.S.Laj
Verified by



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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JUNE 2025

Location-4: Varakavipudi Village

Sample Registration Date: 05.07.2025

Issue Date: 10.07.2025

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
05.06.2025	35.1	33.4	13.2	9.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.06.2025	39.3	28.7	15.8	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.06.2025	47.6	30.1	11.3	12.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.06.2025	33.5	24.6	14.4	11.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.06.2025	46.7	22.3	9.2	10.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.06.2025	45.4	23.5	12.8	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.06.2025	37.2	34.9	15.5	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.06.2025	41.1	27.2	16.4	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	33.5	22.3	9.2	9.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.6	34.9	16.4	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.7	28.1	13.6	11.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.5	34.7	16.3	14.2	<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	2.0

Instruments Details:

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

Instruments Detail:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S.Laj
Verified by



Bharath 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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SUMMARY OF AMBIENT AIR QUALITY –JUNE 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM ₁₀	Minimum	µg/m ³	27.6	28.2	30.2	33.5
	Maximum		46.2	48.9	45.4	47.6
	Average		38.9	36.0	36.5	40.7
	98 Percentile		46.1	47.8	45.0	47.5
PM _{2.5}	Minimum		19.9	19.7	22.7	22.3
	Maximum		33.5	31.2	33.4	34.9
	Average		29.2	27.6	27.7	28.1
	98 Percentile		33.3	31.1	33.1	34.7
SO ₂	Minimum		10.1	13.5	11.2	9.2
	Maximum		17.8	20.1	16.8	16.4
	Average		13.3	17.0	14.2	13.6
	98 Percentile		17.5	20.0	16.7	16.3
NO _x	Minimum		9.9	9.1	9.9	9.7
	Maximum		17.8	17.8	17.1	14.3
	Average		14.1	13.7	13.7	11.5
	98 Percentile		17.6	17.6	17.0	14.2

K.S.Laj
Verified by



Bhuresh 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-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JULY 2025

Location-1: Fire Station (Plant Site)

Sample Registration Date: 01.08.2025

Issue Date: 08.08.2025

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

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
03.07.2025	36.5	33.2	14.6	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
04.07.2025	35.1	32.5	13.4	19.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.07.2025	40.3	31.4	11.3	11.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.07.2025	28.1	29.7	12.1	12	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.07.2025	43	34.7	15.9	17.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.07.2025	38.2	24.9	18.7	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.07.2025	40.2	20.2	12.9	15.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.07.2025	45.9	33.4	16.7	17.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.07.2025	29.9	35.7	17.1	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
31.07.2025	32.4	34.2	10.9	12.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	28.1	20.2	10.9	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.3	35.7	18.7	18.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	37.6	31.0	14.4	14.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.2	35.5	18.4	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 : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S.Lg
Verified by



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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JULY 2025

Location-2: Sivaramapuram village

Sample Registration Date: 01.08.2025

Issue Date: 08.08.2025

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

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
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25.07.2025	41.6	20.7	18.9	10.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.07.2025	39.7	21.5	17.3	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
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NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	2.0

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.Laj
Verified by



Bharath W.
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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: Chandrasekharapuram Village

Sample Registration Date: 01.08.2025

Issue Date: 08.08.2025

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
03.07.2025	31.6	27.9	15.3	11.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
04.07.2025	33.6	34.5	17.2	14.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.07.2025	41.6	23.3	13.9	17.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.07.2025	32.8	31.2	12.1	16.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.07.2025	46.7	26.7	16.7	12.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.07.2025	34.2	32.4	17.9	15.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.07.2025	37.9	33.6	14.5	18.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.07.2025	41	25.5	15.9	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.07.2025	39.9	35.9	18.7	14.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
31.07.2025	34.8	31.2	19.6	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	31.6	23.3	12.1	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.7	35.9	19.6	18.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	37.4	30.2	16.2	14.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	45.8	35.6	19.4	18.2	<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	2.0

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 : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S.Laj
Verified by



Bharath 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

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JULY 2025

Location-4: Varakavipudi Village

Sample Registration Date: 01.08.2025

Issue Date: 08.08.2025

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
03.07.2025	36.8	34.5	14.6	10.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
04.07.2025	40.1	29.9	16.7	15.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.07.2025	48.2	31.2	12.3	13.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.07.2025	34.3	25.7	15.5	12.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.07.2025	47.6	23.6	10.2	11.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.07.2025	44.3	24.8	13.7	14.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.07.2025	38.7	35.7	16.8	10.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.07.2025	42.2	28.4	17.3	11.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.07.2025	39.6	31.2	9.9	12.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
31.07.2025	38.7	27.6	11.3	9.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	34.3	23.6	9.9	9.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	48.2	35.7	17.3	15.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	41.1	29.3	13.8	12.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	48.1	35.5	17.2	15.4	<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	2.0

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 : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S. Laj
Verified by



Bharath 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

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

SUMMARY OF AMBIENT AIR QUALITY – JULY 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM ₁₀	Minimum	µg/m ³	28.1	27.1	31.6	34.3
	Maximum		46.3	47.5	46.7	48.2
	Average		37.6	37.3	37.4	41.1
	98 Percentile		46.2	46.6	45.8	48.1
PM _{2.5}	Minimum		20.2	20.7	23.3	24.8
	Maximum		35.7	32.7	35.9	35.7
	Average		31.0	27.7	30.2	28.4
	98 Percentile		35.5	32.5	35.6	31.2
SO ₂	Minimum		10.9	14.6	12.1	9.9
	Maximum		18.7	22.7	19.6	17.3
	Average		14.4	18.6	16.2	13.8
	98 Percentile		18.4	22.4	19.4	17.2
NO _x	Minimum		10.3	9.9	10.3	9.7
	Maximum		18.7	18.4	18.4	15.6
	Average		14.8	14.1	14.9	12.3
	98 Percentile		18.6	18.2	18.2	15.4

K.S.Laj
Verified by



Bhuresh 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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TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – AUGUST 2025

Location-1: Fire Station (Plant Site)

Sample Registration Date: 30.08.2025

Issue Date: 05.09.2025

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

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
07.08.2025	34.1	31.6	14.5	10.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.08.2025	33.3	32.4	13.6	18.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.08.2025	44.5	31	9.5	11.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.08.2025	28.7	29.5	12.7	12.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.08.2025	41.2	32.2	15.4	19.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.08.2025	38.8	22.6	18.1	16.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.08.2025	40.2	20.4	12.1	15.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.08.2025	47.6	31.7	16.9	18.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	28.7	20.4	9.5	10.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.6	32.4	18.1	19.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	38.6	28.9	14.1	15.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.2	32.4	17.9	19.4	<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 : AAQ510 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due: 28.02.2026

K.S.Lg
Verified by



Bharath W.
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

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





SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – AUGUST 2025

Location-2: Sivaramapuram village

Sample Registration Date: 30.08.2025

Issue Date: 05.09.2025

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
07.08.2025	32.5	25.6	19.5	11.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.08.2025	29.4	31.5	14.2	12.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.08.2025	31.2	28.3	18.7	9.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.08.2025	46.2	31.1	15.6	14.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.08.2025	27.5	26.8	18.1	11.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.08.2025	36.4	33.1	19	17.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.08.2025	40.5	28.4	16.7	17.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.08.2025	39.8	20.1	15.2	10.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	27.5	20.1	14.2	9.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.2	33.1	19.5	17.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	35.4	28.0	17.1	13.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	45.4	32.9	19.4	17.4	<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	2.0

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.Laj
Verified by



Bharath W.
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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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – AUGUST 2025

Location-3: Chandrasekharapuram Village

Sample Registration Date: 30.08.2025

Issue Date: 05.09.2025

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
07.08.2025	29.7	25.4	15.4	11.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.08.2025	33.5	32.1	17.6	14.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.08.2025	41.6	21.6	13.8	17.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.08.2025	32.2	31.8	12.9	16.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.08.2025	44.7	26.4	16.5	12.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.08.2025	34.8	32.6	17.1	15.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.08.2025	37.1	27.8	13.2	18.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.08.2025	41.6	26.1	14.9	10.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	29.7	21.6	12.9	10.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	44.7	32.6	17.6	18.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	36.9	28.0	15.2	14.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	44.3	32.5	17.5	18.4	<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	2.0

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 : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S.Laj
Verified by



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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – AUGUST 2025

Location-4: Varakavipudi Village

Sample Registration Date: 30.08.2025

Issue Date: 05.09.2025

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
07.08.2025	34.2	32.5	12.3	10.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
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14.08.2025	46.7	31.2	12.4	13.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.08.2025	34.7	25.7	15.6	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.08.2025	45.9	23.9	12.4	12.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.08.2025	46.3	24.1	11.3	14.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.08.2025	38.4	33.3	16.1	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.08.2025	42.2	28	17	11.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	34.2	23.9	11.3	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.7	33.3	17.0	16.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.9	28.6	14.3	12.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.6	33.2	17.0	16.3	<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	2.0

Instruments Details:

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

Instruments Detail:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S.Lg
Verified by



Bharath W.
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

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

SUMMARY OF AMBIENT AIR QUALITY –AUGUST 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM ₁₀	Minimum	µg/m ³	28.7	27.5	29.7	34.2
	Maximum		47.6	46.2	44.7	46.7
	Average		38.6	35.4	36.9	40.9
	98 Percentile		47.2	45.4	44.3	46.6
PM _{2.5}	Minimum		20.4	20.1	21.6	23.9
	Maximum		32.4	33.1	32.6	33.3
	Average		28.9	28.1	28.0	28.6
	98 Percentile		32.4	32.9	32.5	33.2
SO ₂	Minimum		9.5	14.2	12.9	11.3
	Maximum		18.1	19.5	17.6	17.0
	Average		14.1	17.1	15.2	14.3
	98 Percentile		17.9	19.4	17.5	17.0
NO _x	Minimum		10.2	9.6	10.4	9.8
	Maximum		19.5	17.5	18.6	16.6
	Average		15.4	13.1	14.5	12.4
	98 Percentile		19.4	17.4	18.4	16.3

K.S.Laj
Verified by



Bhuresh W.
Authorized by
Managing Director

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TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – SEPTEMBER 2025

Location-1: Fire Station (Plant Site)

Sample Registration Date: 27.09.2025

Issue Date: 03.10.2025

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

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
04.09.2025	35.6	32.5	10.2	10.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
05.09.2025	32.1	31.4	14.6	18.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.09.2025	43.2	32.7	15.4	11.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.09.2025	29.7	30.1	11.3	12.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.09.2025	42.5	31.9	16.7	19.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.09.2025	39.6	23.5	19.6	16.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.09.2025	41	21.6	13.5	15.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.09.2025	46.8	32.4	17.8	18.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	29.7	21.6	10.2	12.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.8	32.7	19.6	20.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	38.8	29.5	14.9	15.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.3	32.7	19.3	19.9	<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 : AAQ510 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due: 28.02.2026

K.S.Laj
Verified by



Bharath W.
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-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – SEPTEMBER 2025

Location-2: Sivaramapuram village

Sample Registration Date: 27.09.2025

Issue Date: 03.10.2025

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
04.09.2025	33.6	24.5	20.3	12.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
05.09.2025	28.1	30.6	13.5	13.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.09.2025	30.6	29.1	19.3	8.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.09.2025	46.1	32.7	14.1	15.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.09.2025	26.4	27.1	19.9	12.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.09.2025	35.3	33.6	18.4	18.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.09.2025	39.4	29.5	15.2	19.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.09.2025	38.2	19.4	14.6	11.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	26.4	19.4	13.5	8.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.1	33.6	20.3	19.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	34.7	28.3	16.9	14.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	45.2	33.5	20.2	19.4	<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	2.0

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.Laj
Verified by



Bharath W.
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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Cell: 80199 55222, 111 | **BRANCHES:** VIJAYAWADA | HYDERABAD





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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

(2x660 MW Coal Based Thermal Power Plant),

Near Ananthavaram (V), Thotapalli Gudur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – SEPTEMBER 2025

Location-3: Chandrasekharapuram Village

Sample Registration Date: 27.09.2025

Issue Date: 03.10.2025

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
04.09.2025	28.6	26.3	16.3	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
05.09.2025	34.2	31.4	18.5	13.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.09.2025	42.1	20.5	14.6	16.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.09.2025	33.8	30.4	11.2	17.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.09.2025	45.7	27.8	17.4	13.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.09.2025	35.4	33.1	18.1	14.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.09.2025	38.9	28.9	14.3	19.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.09.2025	40.1	27.2	15.1	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	28.6	20.5	11.2	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	45.7	33.1	18.5	19.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	37.4	28.2	15.7	14.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	45.2	32.9	18.4	19.4	<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	2.0

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 : AAQ510 MFC / 220723

Make : SSE (Shree Scientific Equipment)

Calibration Due : 28.02.2026

K.S.Laj
Verified by



Bharath W.
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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(2x660 MW Coal Based Thermal Power Plant),

Near Ananthavaram (V), Thotapalli Gudur (M),

SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – SEPTEMBER 2025

Location-4: Varakavipudi Village

Sample Registration Date: 27.09.2025

Issue Date: 03.10.2025

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
04.09.2025	35.1	31.2	11.3	12.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
05.09.2025	37.6	30.1	17.4	16.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.09.2025	45.4	32.5	13.5	11.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.09.2025	33.3	26.6	16.6	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.09.2025	44.8	22.4	13.9	14.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.09.2025	45.6	25.7	12.1	15.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.09.2025	37.9	36.9	17.8	11.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.09.2025	41.3	29.1	18.7	12.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	33.3	22.4	11.3	11.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	45.6	36.9	18.7	16.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.1	29.3	15.2	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	45.6	36.3	18.6	16.5	<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	2.0

Instruments Details:

Instrument : Fine Particulate sampler

Model/SI NO : AAQ510 / 220830

Make : SSE (Shree Scientific Equipment)

Calibration Due : 28.02.2026

Instruments Detail:

Instrument : Respirable Dust sampler

Model/SI NO : AAQ510 MFC / 220723

Make : SSE (Shree Scientific Equipment)

Calibration Due : 28.02.2026

K.S.Lg
Verified by



Bharath W.
Authorized by
Managing Director

Form No : F-7.8-02

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SUMMARY OF AMBIENT AIR QUALITY – SEPTEMBER 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM ₁₀	Minimum	µg/m ³	29.7	26.4	28.6	33.3
	Maximum		46.8	46.1	45.7	45.6
	Average		38.8	34.7	37.4	40.1
	98 Percentile		46.3	45.2	45.2	45.6
PM _{2.5}	Minimum		21.6	19.4	20.5	22.4
	Maximum		32.7	33.6	33.1	36.9
	Average		29.5	28.3	28.2	29.3
	98 Percentile		32.7	33.5	32.9	36.3
SO ₂	Minimum		10.2	13.5	11.2	11.3
	Maximum		19.6	20.3	18.5	18.7
	Average		14.9	16.9	15.7	15.2
	98 Percentile		19.3	20.2	18.4	18.6
NO _x	Minimum		12.2	8.8	9.9	11.2
	Maximum		20.3	19.6	19.8	16.7
	Average		15.5	14.1	14.4	13.6
	98 Percentile		19.9	19.4	19.4	16.5

K.S.Laj
Verified by



Bhuresh W.
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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



SEIL Project-2 Environment Expenditure			
S.No	Area	Particulars	Expenses in Rs.
1	CHP	Operations (CHP)	₹ 8,834,712
2		Mechanical Maintnenace	₹ 1,249,580
3		Electrical Maintnenace	₹ 902,000
4		Coal Yard Sprinklers	₹ 2,821,000
5		DFDS System	₹ 394,000
6	AHP	Operations	₹ 6,156,394
7		Mechanical Maintnenace	₹ 1,392,100
8		Electrical Maintnenace	₹ 243,562
9		C&I Maintnenance	₹ 3,800,000
10	Others	Green Belt	₹ 7,973,858
11		Fly Ash	₹ 1,246,080
12		Haz Waste disposal	₹ 151,651