SEIL Energy India Limited

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SEIL P2/MoEF&CC/Chennai/2026/002
26th May 2026

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 October 2025 to March 2026**

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 October 2025 to March 2026 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

Date: 26-05-2026

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: Third Party Certificate - Half-yearly compliance report on conditions of EC-Reg.

Ref: EC Letter No. J 13012/76/2009–IA.II (T) dated 30.09.2010, amended 18.05.2011 and 04.03.2016

Respected Sir/Madam,

With reference to "Environmental Clearance" issued to **M/s. SEIL Energy India Limited Project-2**, Nellore, we are herewith certifying that **M/s. SEIL Energy India Limited Project-2** has complied all the conditions imposed in EC and attached annexures for the period of October 2025 to March 2026.

Thanking you,

Yours faithfully,
For **Universal Enviro Associates LLP,**

UNIVERSAL ENVIRO ASSOCIATES LLP HYDERABAD

(T Krishna)
Technical Manager

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

EC COMPLIANCE

EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016
(October 2025 to March 2026)

Prepared By:
Universal Enviro Associates, Hyderabad LLP
Accredited by NABL (TC-6239)

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.

Fig. - 1 (LOCATION MAP)



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



LEGEND

Project Area

Ash Pond

Plant Site Co-ordinates

Latitude : 14° 20′ 36.9″ to 14° 21′ 57.6″ N

Longitude : 80° 08′ 05.0″ to 80° 09′ 31.4″ E

02. Statutory Approvals/Clearances:

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

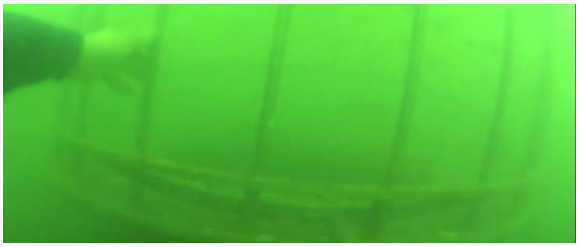
S. No.	Authorization	Accorded By	Validity
1	Environment Clearance	Ministry of Environment & Forests, Govt. of India	MoEF Letter J-13012/76//2009-IA.II (T) dated 30/09/2010. The validity of EC is extended to 7 years by MoEF notification to start operations. Accordingly, SEIL commenced its operations by November 2016, well within due date.
2	CRZ Clearance	Ministry of Environment & Forests, GOI	F.No. 11-44/2011-IA.III. Dated: 9th April 2012 and amendment on 1st 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: 14th Dec 2021. **Renewed and is valid till 28th February 2027.** CTO Name change approval accorded vide Order No. APPCB/11022/70/2019-TEC-CFO-APPCB dated 26-07-2023

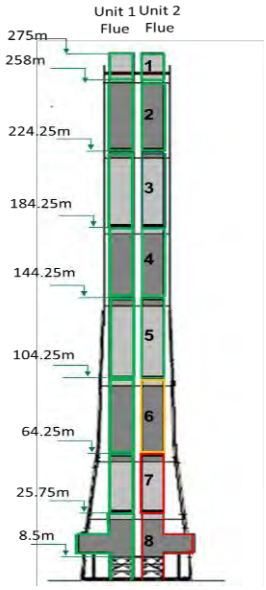
CONDITION WISE COMPLIANCE TO ACCORDED ENVIRONMENT CLEARANCE

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 9th April 2012 and amendment on 1st 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.

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 from October 2025 to March 2026 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 18th Meeting of Reconstituted Expert Appraisal Committee (EAC) dated 27th 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 16th 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 18th Meeting of Reconstituted Expert Appraisal Committee (EAC) dated 27th 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 16th April 2019 [Ref. No: SEIL Project-2/MoEF/New Delhi/ EC/2019/78]**.**

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 18th Meeting of Reconstituted Expert Appraisal Committee (EAC) dated 27th 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 16th 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, SOx, NOx. 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.

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.  

S No.	Condition	Compliance
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 4th 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 2025-26 vide letter No. SEIL P2/MoEF&CC/ Chennai /2026/001 dated 29th April 2026 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 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.** • Annual Ash Dyke Stability Certification (Annual Ash Dyke Stability Certification for FY 2025-2026 vide letter No. NITW/PVR/25/152 dated 10th March 2026 has been submitted to MoEF&CC and CPCB) conducted annually by NIT/IIT to ensure the dyke strength. • Ash water recovery system in place to collect excess water from Ash Pond to avoid the overflow/bund breach.

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 28th 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 360 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 compound wall has been completed with 3 tiers of plantation. 

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. During FY 2025-26, the company has spent an amount of INR 20.201 Cr and undertaken the following works: CSR Update from October 2025 to March 2026 attached as **Annexure-I**.  

S No.	Condition	Compliance
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.**

S No.	Condition	Compliance
xxxii	Criteria pollutant levels including NOx, 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://www.seilenergy.com/disclosures 
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.**

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**. 

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.

S No.	Condition	Compliance
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 PESO 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.**  

S No.	Condition	Compliance
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/ear muffs 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 SO2, NOx, 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.

S No.	Condition	Compliance
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://www.seilenergy.com/disclosures https://pcb.ap.gov.in/PCBLive/ForIndustry/Submission_Compliance_of_EC_CTE_CTO_Direction_V2
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 NOO, 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://www.seilenergy.com/disclosures
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.

S No.	Condition	Compliance
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, SO2, NOx (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 /2025/004 dated 28th November 2025) The reports are uploaded on SEIL website @ https://www.seilenergy.com/disclosures 
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 /2025/004 dated 28th November 2025) The reports are uploaded in SEIL website @ https://www.seilenergy.com/disclosures
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 bye-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://www.seilenergy.com/disclosures
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 NOx (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.

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.**

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.**





GREEN BELT/ GREEN COVER DEVELOPMENT IN SITE





GREEN COVER ALONG THE PLANT ROADS



GREEN COVER ALONG PIPE RACK & INTERNAL ROADS



GREEN COVER INSIDE THE PLANT



GREEN COVER ALONG MAIN PLANT ROAD



AVENUE PLANTATION



GREEN COVER NEAR PLANT MAIN GATE



GREEN COVER NEAR SERVICE BUILDING



GREEN COVER IN NORTHEAST AREA





COAL YARD WATER SPRINKLING



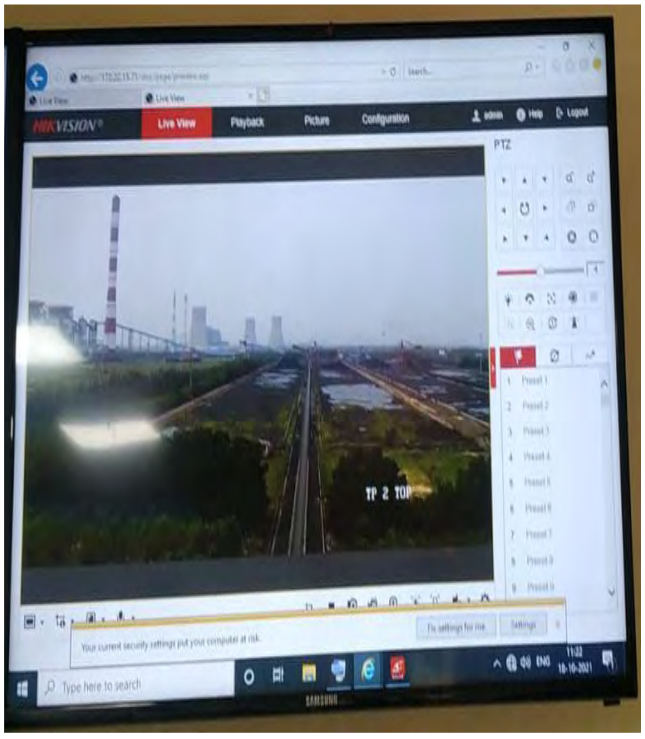


CONTINUOUS AMBIENT AIR QUALITY MONITORING STATION INSIDE THE PLANT



WIND BREAK PLANTATION AROUND COAL YARD





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



DUST EXTRACTION SYSTEM AT TRANSFER POINTS



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

Annexure-I

Business Updates

HY2 FY 25-26

SEIL-Restricted

CSR Updates

(1/3)

Q3 FY 25-26

Health

- **Telemedicine Centers MV Palem & Salipeta:**
  - Total beneficiaries: 5333
    - General consultations: 4596
    - Specialty Consultations: 737
    - Pharmacy: 5059; Lab Investigations: 14591

  Community Outreach coverage:

    - Social Health Education Programme: 1843 beneficiaries
    - Non-Communicable Disease Screenings: 2087 beneficiaries.
- **Mobile Medical Unit: 2657** beneficiaries

  Male: 1017, Female: 1541, Female Child: 45, Male Child: 54
- **Eye Screening :**
  - Total Screened: 4855
  - Spectacles Provided: 1287
  - No of Camps:64
- **Cancer Screening:**
  - Total Screened: 5919
  - No of camps: 91
  - No of persons with positive symptoms: 181 (Oral: 122Cervical: 28, Breast: 31 Numbers)
  - Facilitated visit to the Government Hospital for further diagnosis and treatment :57(Oral- 20,Cervical-15, Breast-22 Numbers)
- **Inauguration of Refrigerated centrifuge machine at IRCS Blood Bank , Nellore**
  - Mrs. Nadiya Al Battashi, Mrs. Sherna Cooper and Mrs. Puspa Mahapatra along with Board of directors and CEO of SEIL inaugurated the machine
- **RO Water Plant**
- **Phase-1 : 5** RO Plant installed and operational at five locations of Mallikarjun Puram, Mandabailu, Eduru Harijan wada, Mukkantamma Girijana colony, Mahalakshipuram
- Phase-2 .4 Ro plants installed and commissioned Eduru Mittapalem, Varakavipudi main, Pynapuram Waghartha, Macherla Varipalem
- Phase-3 : 5 RO Plants Edurupattapupalem ,Nelaturupalem CS Puram, Anantapuram, DH wada Pynapuram installation and commissioning is under progress

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FY 2025-26 Health Project - Photos

Health and Wellness Centre Glimpses



SOCIAL HEALTH EDUCATION CAMPS



SPECIAL CAMPS (BULKER DRIVERS)



NON-COMMUNICABLE DECEASEES SCREENING





BULKER DRIVERS HEALTH CAMPS

SEIL-Restricted

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 - HOME CONSULTATION

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FY 2025-26 Health Project Photos

Health – Eye screening and spectacles distribution Glimpses











SEIL-Restricted

FY 2025-26 Health Project - Photos

Container RO water plant Glimpses









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CSR Updates

(2/5)

For Q3 FY25 -26



Education

- **Career Counselling Programme with Sambhav Foundation**
  - Career Counselling Programme by Sambhav Foundation is under progress in 14 Government Schools benefiting 1287 students.. Till date 50 hrs. of counselling sessions completed. A 3-day career mela conducted at 5 Locations with the participation of 596 students
- **English Language Skill Development training programme by Karadi path**
  - The programme is in progress in 26 Government Schools. Around 3600 students are undergoing training of English language learning.skills.Teachers training programme completed to 91 Numbers .
- **Distribution of Cycles to students of Government High school**
  - 1000 Cycles were distributed in Bapatla District Government High school. 500 Boys and 500 Girls were benefitted through this initiative in Government schools of Bapatla District

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FY 2025-26 Education Project - Photos
Career Counselling Sessions in Schools









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FY 2025-26 Education Project - Photos

Distribution of cycles to Government High School students









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FY 2025-26 Education Project - Photos

Karadi Path – Teachers Training On English Language Learning









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CSR Updates

For Q3 FY25-26

Skill Development

- **Training Program on employable skills – Head Held High**
  - 19 Number youth undergoing training on employable skills
- **Training on Industrial Painting and Coating- CII foundation**
  - 101 numbers youth completed training on Industrial Painting and Coating







TRAINING ON INDUSTRIAL PAINTING AND COATING

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CSR Updates

(2/3)

Q3 FY 25-26

Environment

➢ **Solar Street Lights installations.in the communities, Nagar Vanams, District sports Center, Municipal Parks and Anganwadi Centers**

- Out of 550 Nos. of 60W street lights at District sports Center, Nellore Municipal corporation, Main Roads 453 Numbers installed
- Out of 1700 Nos. of 30W solar street lights In communities and Nagar Vanams 1684 completed
- Solar 1 KWP off grid units with battery backup were installed in 30Anganwadi Centers.







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CSR Updates

(3/3)

Q3 FY 25-26

Rural Development

VETERINARY CAMPS- ASSET&W

- Six Veterinary Camps were conducted in the surrounding villages.
- Treatments were provided to 17266 livestock (Cattle, Buffaloes, Sheep, Goats and Poultry).
- A total of 350Farmers benefitted from the camps. Suitable medicines, and mineral mixtures were provided by the Veterinary Doctors after the examination.





Distribution of medicines at Animal health camp

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Board Of Directors visit Indian Red Cross Society Blood Bank and Thalassemia Center









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FY 2025-26 Health Project - Photos

Health and Wellness Centre Glimpses



SOCIAL HEALTH EDUCATION CAMPS



SPECIAL CAMPS



NON-COMMUNICABLE DECEASEES SCREENING







WORLD TB DAY AWARENESS CAMP

SEIL-Restricted

FY 2025-26 Health Project - Photos

Mobile Medical Unit Nellore 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 - HOME CONSULTATION

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FY 2025-26 Health Project - Photos

Colorectal Cancer Awareness camps Glimpses









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CSR Updates

(2/5)

For Q4 FY25 -26



Education

➢ **English Language Skill Development training programme by Karadi path**

English Skills Development Programme in 26 Government schools across Nellore district, Andhra Pradesh with Karadi Cultural Alliance Trust

- 3713 Number of Students trained in Schools (Male 1623, Female 2090).
- 29 Sessions completed
- 59 Numbers of teachers trained on English teaching skills

➢ **Distribution of Cycles to students of Government High school**

- 1000 Cycles were distributed in Bapatla District Government High school. (510 Boys and 490Girls)
- 1841 Girls Cycles were distributed in Government High school. of Survepalli constituency

➢ **Anganwadi Project, Nellore with Plan India**

- 173 Teacher learning sessions have been conducted for 289 children in 24 Anganwadi centers

➢ **Anganwadi Project - Odisha with Plan India**

- 180 Teaching learning sessions have been conducted for 230 children in 10 Anganwadi centers.
- Capacity Building Training program conducted for 10 Anganwadi Teachers

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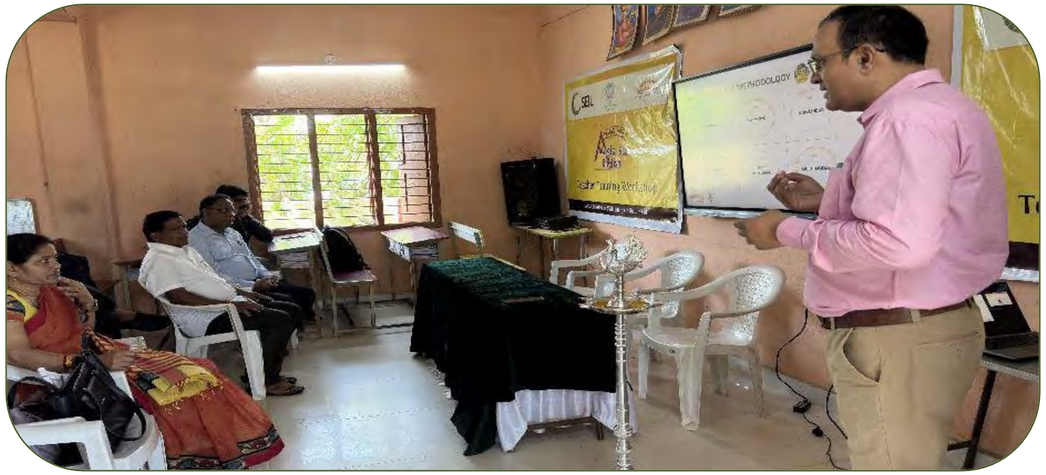
FY 2025-26 Education Project - Photos

English Language Learning Programme









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FY 2025-26 Education Project - Photos
English Language Learning Programme









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FY 2025-26 Education Project - Photos

Distribution of cycles to Government High School students









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FY 2025-26 Education Project - Photos

Anganwadi Project- Odisha- Teaching learning sessions and Training for Anganwadi Teachers









SEIL-Restricted

FY 2025-26 Education Project - Photos

Anganwadi Project- Nellore - Glimpses









SEIL-Restricted

CSR Updates

For Q4 FY25-26

Skill Development

➢ Training Program on employable skills – Head Held High

- 97Number of youth undergoing training on employable skills by Head Held High





TRAINING ON EMPLOYABLE SKILLS

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. FY 2025-26 Skill development training Photos- Head Held High









CSR Updates

(2/3)

FOR Q4 FY 25-26

Environment

➢ Solar Street Lights installations.in the Municipal Parks

- 265 Solar lights of 60 Kwp installed at 35 Municipal parks of Nellore town







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CSR Updates

(3/3)

FOR Q4 FY 25-26

Rural Development

VETERINARY CAMPS- ASSET&W

- Five Veterinary Camps were conducted in the surrounding villages.
- Treatments were provided to 9267 livestock (Cattle, Buffaloes, Sheep, Goats and Poultry).
- A total of 178 Farmers benefitted from the camps. Suitable medicines, and mineral mixtures were provided by the Veterinary Doctors after the examination.

INTEGRATED SOCIO-ECONOMIC EMPOWERMENT PROGRAMME - ASSET&W

- 266 Welcome Kits were distributed to Scheduled Tribe families in Mallikarjuna Puram.
- Each kit included a trunk box, clothing and footwear, toiletries and sanitary items, household cleaning materials, and snacks.
- A total of 14 training sessions were conducted, reaching 236 community members, with strong participation from women (68%) with ASSET&W. Training areas

1.Personal Hygiene Practices
2.Household Hygiene
3.Environmental Cleanliness
4.Health Awareness

- Convergence meeting was conducted at Mallikarjuna Puram for 60 tribal families, villagers, along with the village president to strengthen support for tribal farming in collaboration with the New Holland CSR team and local NGO- READS
- This convergence has brought an 50Lakh direct investment which Improve access to farm mechanization Generate entrepreneurship opportunities and livelihoods Support sustainable and climate-resilient farming systems by stopping stubble burning and creating bio-mass. .

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FY 2025-26 Rural Development Projects - Photos
Veterinary Camps Glimpses









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FY 2025-26 Rural Development Projects - Photos

Livelihood Project- Health awareness camps for tribal community









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FY 2025-26 Rural Development Projects - Photos

Integrated Socio-Economic Empowerment Programme









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CSR Updates

(3/3)

Q4 FY 25-26

Other Initiatives

- SEIL celebrated its Foundation Day on 8 January 2026.
- On the occasion, Bhoomi Puja for SEIL Hospital was performed by Shri Janmejaya Mahapatra, Whole Time Director & CEO.
- A free pollution check-up camp for two-wheelers and four-wheelers was also conducted, along with environmental awareness activities. 1
- 19 number of CSR Implementation partners were felicitated on the Day





CSR Partners felicitation on SEIL's Foundation day

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SEIL Foundation Day CSR Programs – SEIL Hospital Bhoomi Puja and Free Pollution Checkup Camp for Vehicles









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Great Place To Work. Certified NOV 2024-NOV 2025 INDIA

SEIL

Thank You



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

Annexure-II

TEST REPORT

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

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

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	pH	IS:3025(Part-11)1983	--	6.5-8.5	7.6
2	Temperature Intake	--	°C	Shall not exceed 5°C above the Receiving temperature	29.2
3	Temperature Out Fall	--	°C		32.1
4	Electric Conductivity	IS: 3025:1964	µs/cm	--	45401
5	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	--	37,812
6	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	100	76
7	Chemical Oxygen Demand	IS:3025(Part-58)-2006	mg/l	250	71
8	Biochemical Oxygen Demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	100	53
9	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0
10	Total Hardness as $CaCO_3$	IS:3025(Part-21)-2012	mg/l	--	53
11	Total Alkalinity as $CaCO_3$	IS:3025(Part-23)-2012	mg/l	--	692
12	P- Alkalinity as $CaCO_3$	IS:3025(Part-13)-1964	mg/l	--	Nil
13	Turbidity	IS:3025(Part-10)-2012	NTU	--	5.1
14	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	--	1,180
15	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	--	264
16	Sodium as Na	IS:3025(Part-45)1993	mg/l	--	10,583

K.S.Raj
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

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

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

Note: **IS- Indian Standard**

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TEST REPORT

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

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

TEST RESULT

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

REFERENCE TEST DATA

START DATE: 09.12.2025
END DATE: 14.12.2025

COMMENTS:

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

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

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TEST REPORT

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

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

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	pH	IS:3025(Part-11)1983	--	6.5-8.5	7.2
2	Temperature Intake	--	°C	Shall not exceed 5°C above the Receiving temperature	28.4
3	Temperature Out Fall	--	°C		29.3
4	Electric Conductivity	IS: 3025:1964	µs/cm	--	44417
5	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	--	35,825
6	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	100	81
7	Chemical Oxygen Demand	IS:3025(Part-58)-2006	mg/l	250	77
8	Biochemical Oxygen Demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	100	64
9	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0
10	Total Hardness as $CaCO_3$	IS:3025(Part-21)-2012	mg/l	--	60
11	Total Alkalinity as $CaCO_3$	IS:3025(Part-23)-2012	mg/l	--	681
12	P- Alkalinity as $CaCO_3$	IS:3025(Part-13)-1964	mg/l	--	Nil
13	Turbidity	IS:3025(Part-10)-2012	NTU	--	5.4
14	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	--	1,187
15	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	--	274
16	Sodium as Na	IS:3025(Part-45)1993	mg/l	--	10,590

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

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

Note: **IS- Indian Standard**

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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: 16.03.2026** **Sample Collected By: Ganesh**	**Sample Registration Date: 17.03.2026** **Analysis Starting Date: 17.03.2026** **Analysis Completed Date: 21.03.2026** **Issue Date: 21.03.2026** **Lab Ref: SEPL/ES/SEILEILP/03-26/0002**

TEST RESULT

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

REFERENCE TEST DATA

START DATE: 17.03.2026
END DATE: 21.03.2026

COMMENTS:

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

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

K.S.Raj
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

Authorized by
Managing Director

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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

Annexure-III

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: 08.12.2025** **Sample Collected By: Ganesh**	**Sample Registration Date: 09.12.2025** **Analysis Starting Date: 09.12.2025** **Analysis Completed Date: 14.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0002**

TEST RESULT

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

Note: IS- Indian Standard

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TEST REPORT

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

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

TEST RESULT

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

Note: IS- Indian Standard

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Annexure-IV

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

TEST RESULT

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

Note: IS-Indian Standard

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

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

TEST RESULT

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

Note: IS-Indian Standard

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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- DECEMBER 2025
Location: Unit#1 (Stack Attached to 660 MW Boiler)
Date of Monitoring: 08.12.2025
Sample Registration Date: 09.12.2025

Analysis Starting Date: 09.12.2025
Analysis Completed Date: 14.12.2025
Issue Date: 14.12.2025
Lab Ref: SEPL/ES/SEILEILP/12-25/0001

TEST RESULT

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

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

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

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

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

TEST RESULT

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

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

Instrument Details:

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

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TEST REPORT

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

Group: Atmospheric Pollution
Product: Stack Emission Monitoring- MARCH 2026
Location: Unit#1 (Stack Attached to 660 MW Boiler)
Date of Monitoring: 16.03.2026
Sample Registration Date: 17.03.2026

Analysis Starting Date: 17.03.2026
Analysis Completed Date: 21.03.2026
Issue Date: 21.03.2026
Lab Ref: SEPL/ES/SEILEILP/03-26/0001

TEST RESULT

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

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

Instrument Details:

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

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TEST REPORT

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

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

TEST RESULT

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

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

Instrument Details:

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

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Annexure-VI

TEST REPORT

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

Discipline: Chemical **Group: Water** **Product: Heavy Metal Analysis of Coal- DECEMBER 2025** **Sample Location: Coal Feeder#2** **Date of Monitoring:08.12.2025** **Sample Collected By: S.Ganesh**	**Sample Registration Date: 09.12.2025** **Analysis Starting Date: 09.12.2025** **Analysis Completed Date: 14.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0001**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.83
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	1.72
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.61

Note: USEPA- United States Environmental Protection Agency

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TEST REPORT

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

Discipline: Chemical **Group: Water** **Product: Heavy Metal Analysis of Coal- MARCH 2026** **Sample Location: Coal Feeder#2** **Date of Monitoring: 16.03.2026** **Sample Collected By: S.Ganesh**	**Sample Registration Date: 17.03.2026** **Analysis Starting Date: 17.03.2026** **Analysis Completed Date: 21.03.2026** **Issue Date: 21.03.2026** **Lab Ref: SEPL/ES/SEILEILP/03-26/0001**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.76
2	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	ppm	0.2	<0.02
3	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	1.65
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.57

Note: USEPA- United States Environmental Protection Agency

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Annexure-VII

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: Water** **Product: Heavy Metal Analysis of Fly Ash- DECEMBER 2025** **Date of Monitoring: 08.12.2025** **Sample Collected By: S.Ganesh**	**Sample Registration Date: 09.12.2025** **Analysis Starting Date: 09.12.2025** **Analysis Completed Date: 14.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0001**

TEST RESULT

S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.67
2	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	ppm	0.2	<0.03
3	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.43
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.81

Note: USEPA- United States Environmental Protection Agency

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TEST REPORT

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

Discipline: Chemical **Group: Water** **Product: Heavy Metal Analysis of Bottom Ash- DECEMBER 2025** **Date of Monitoring: 08.12.2025** **Sample Collected By: S.Ganesh**	**Sample Registration Date: 09.12.2025** **Analysis Starting Date: 09.12.2025** **Analysis Completed Date: 14.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0002**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.91
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	0.46
4.	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.82

Note: USEPA- United States Environmental Protection Agency

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(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- MARCH 2026** **Date of Monitoring: 16.03.2026** **Sample Collected By: S.Ganesh**	**Sample Registration Date: 17.03.2026** **Analysis Starting Date: 17.03.2026** **Analysis Completed Date: 21.03.2026** **Issue Date: 21.03.2026** **Lab Ref: SEPL/ES/SEILEILP/03-26/0001**

TEST RESULT

S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.71
2	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	Ppm	0.2	<0.03
3	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.50
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.86

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- MARCH 2026** **Date of Monitoring: 16.03.2026** **Sample Collected By: S.Ganesh**	**Sample Registration Date: 17.03.2026** **Analysis Starting Date: 17.03.2026** **Analysis Completed Date: 21.03.2026** **Issue Date: 21.03.2026** **Lab Ref: SEPL/ES/SEILEILP/03-26/0002**

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.85
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	0.54
4.	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.90

Note: USEPA- United States Environmental Protection Agency

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LABORATORY : Plot No 142/1, Eruvada Junction, Sabbavaram (M), Vizag - 531 035
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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: Waste water Sample Location: **Ash Pond Effluent Water** Date of Monitoring: **08.12.2025** Sample Collected By: Ganesh	**Sample Registration Date: 09.12.2025** **Analysis Starting Date: 09.12.2025** **Analysis Completed Date: 14.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0001**

TEST RESULT

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

IS-Indian Standard

K.S.Lag
Verified by

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

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

TEST RESULT

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

IS-Indian Standard

K.S.Lag
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Annexure-IX

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: 08.12.2025

Sample Registration Date: 09.12.2025
Analysis Starting Date: 09.12.2025
Analysis Completed Date: 14.12.2025
Issue Date: 14.12.2025
Lab Ref: SEPL/ES/SEILEILP/12-25/0001
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	6.9	7.3
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0	1.2
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.2	0.2
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,301	1,169
5	Temperature	--	°C	--	--	37.9	34.8
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	31	63
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	342	385
8	Total Hardness as $CaCO_3$	IS3025(P-23)1986	mg/l	200	600	191	173
9	Total Alkalinity as $CaCO_3$	IS3025(P-23)1986	mg/l	200	600	169	171
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	41.8	38.7
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	21.2	29.4
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	--	--	173	181
15	Magnesium Hardness as CaCO3	IS3025(P-40)1991	mg/l	--	--	74	83
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	164	135
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	36	38
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	181	179

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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	71.3	**81.6**
20	Nitrates as NO_3	IS3025(P-34)1988	mg/l	45	No Relaxation	29.1	39.7
21	Chemical Oxygen Demand	IS3025(P-58)2006	mg/l	--	--	<5.0	<5.0
22	Biochemical Oxygen Demand (3 days at 27°C)	IS3025(P-44)1993	mg/l	--	--	<3.0	<3.0
23	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.02	0.01
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.53	0.41
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_6H_5OH	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	--	--	6.8	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	%	--	--	23.9	21.1
42	E-Coli	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
43	Total Coliforms	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/ 100ml	--	--	Absent	Absent

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TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-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: 08.12.2025

Sample Registration Date: 09.12.2025
Analysis Starting Date: 09.12.2025
Analysis Completed Date: 14.12.2025
Issue Date: 14.12.2025
Lab Ref: SEPL/ES/SEILEILP/12-25/0002
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	7.5	8.2
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	0.1
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,391	1,359
5	Temperature	--	°C	--	--	31.3	37.8
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	86	61
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	279	191
8	Total Hardness as $CaCO_3$	IS3025(P-23)1986	mg/l	200	600	152	163
9	Total Alkalinity as $CaCO_3$	IS3025(P-23)1986	mg/l	200	600	181	179
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	92	86
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	35	40
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	--	--	159	172
15	Magnesium Hardness as CaCO3	IS3025(P-40)1991	mg/l	--	--	126	142
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	157	168
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	41	63
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	162	141

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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	51.3	**56.7**
20	Nitrates as NO_3	IS3025(P-34)1988	mg/l	45	No Relaxation	38.9	40.1
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	0.05
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.43	0.82
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_6H_5OH	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	--	--	6.1	3.1
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	%	--	--	39.8	41.2
42	E-Coli	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
43	Total Coliforms	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/ 100ml	--	--	Absent	Absent

K.S.Lag
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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: Water

Product Water

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

Date of Monitoring: 08.12.2025

Sample Registration Date: 09.12.2025
Analysis Starting Date: 09.12.2025
Analysis Completed Date: 14.12.2025
Issue Date: 14.12.2025
Lab Ref: SEPL/ES/SEILEILP/12-25/0003
Sample Collected By: S. Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	PW-5
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.4
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.6
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.3
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,489
5	Temperature	--	°C	--	--	39.7
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	73
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	271
8	Total Hardness as $CaCO_3$	IS3025(P-23)1986	mg/l	200	600	142
9	Total Alkalinity as $CaCO_3$	IS3025(P-23)1986	mg/l	200	600	131
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	71
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	49
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	--	--	181
15	Magnesium Hardness as CaCO3	IS3025(P-40)1991	mg/l	--	--	146
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	179
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	81
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	137

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	PW-5
19	Sulphates as SO_4	IS3025(P-24)1986	mg/l	200	400	51.6
20	Nitrates as NO_3	IS3025(P-34)1988	mg/l	45	No Relaxation	36.7
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	0.86
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.64
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_6H_5OH	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	--	--	6.7
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	%	--	--	30.1
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.Lag
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

Authorized by
Managing Director

LABORATORY : Plot No 142/1, Eruvada Junction, Sabbavaram (M), Vizag - 531 035
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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-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: 16.03.2026

Sample Registration Date: 17.03.2026
Analysis Starting Date: 17.03.2026
Analysis Completed Date: 23.03.2026
Issue Date: 23.03.2026
Lab Ref: SEPL/ES/SEILEILP/03-26/0001
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	6.4	7.6
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.5	1.4
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.3	0.4
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,316	1,172
5	Temperature	--	°C	--	--	38.4	36.8
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	36	68
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	353	391
8	Total Hardness as $CaCO_3$	IS3025(P-23)1986	mg/l	200	600	184	183
9	Total Alkalinity as $CaCO_3$	IS3025(P-23)1986	mg/l	200	600	152	184
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	42.7	39.5
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	23.5	28.1
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	--	--	181	176
15	Magnesium Hardness as CaCO3	IS3025(P-40)1991	mg/l	--	--	80	91
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	172	142
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	40	43
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	172	184

K.S.Lag
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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	73.4	**84.3**
20	Nitrates as NO_3	IS3025(P-34)1988	mg/l	45	No Relaxation	30.1	40.1
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	0.50
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_6H_5OH	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	--	--	6.3	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	%	--	--	25.7	23.4
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.Lag
Verified by

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SPECTRA ENVIROTECH PVT LTD

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

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

TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-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: 16.03.2026

Sample Registration Date: 17.03.2026
Analysis Starting Date: 17.03.2026
Analysis Completed Date: 23.03.2026
Issue Date: 23.03.2026
Lab Ref: SEPL/ES/SEILEILP/03-26/0002
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	7.7	8.6
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.6	1.5
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.2	0.3
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,384	1,367
5	Temperature	--	°C	--	--	32.5	39.1
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	80	72
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	283	182
8	Total Hardness as $CaCO_3$	IS3025(P-23)1986	mg/l	200	600	167	171
9	Total Alkalinity as $CaCO_3$	IS3025(P-23)1986	mg/l	200	600	189	183
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	85	89
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	43	47
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	--	--	162	161
15	Magnesium Hardness as CaCO3	IS3025(P-40)1991	mg/l	--	--	132	153
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	168	173
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	47	72
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	171	154

K.S.Raj
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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	53.7	**60.1**
20	Nitrates as NO_3	IS3025(P-34)1988	mg/l	45	No Relaxation	39.2	42.7
21	Chemical Oxygen Demand	IS3025(P-58)2006	mg/l	--	--	<5.0	<5.0
22	Biochemical Oxygen Demand (3 days at 27°C)	IS3025(P-44)1993	mg/l	--	--	<3.0	<3.0
23	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.02	0.04
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.50	0.73
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_6H_5OH	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	--	--	6.8	3.5
39	Oil & Grease	IS3025(P-39)2021	mg/l	--	--	<1.0	<1.0
40	Phosphates as PO_4	IS3025(P-31)1998	mg/l	--	--	<0.01	<0.01
41	Percent Sodium	IS3025(P-45)1993	%	--	--	40.1	43.7
42	E-Coli	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
43	Total Coliforms	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/ 100ml	--	--	Absent	Absent

K.S.Lag
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SPECTRA ENVIROTECH PVT. LTD. VIZAG

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SPECTRA ENVIROTECH PVT LTD

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

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

TEST REPORT

ISSUED TO:
M/s. SEIL ENERGY INDIA LIMITED PROJECT-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: 16.03.2026

Sample Registration Date: 17.03.2026
Analysis Starting Date: 17.03.2026
Analysis Completed Date: 23.03.2026
Issue Date: 23.03.2026
Lab Ref: SEPL/ES/SEILEILP/03-26/0003
Sample Collected By: S. Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	PW-5
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.6
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.8
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.4
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,491
5	Temperature	--	°C	--	--	31.3
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	78
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	278
8	Total Hardness as $CaCO_3$	IS3025(P-23)1986	mg/l	200	600	153
9	Total Alkalinity as $CaCO_3$	IS3025(P-23)1986	mg/l	200	600	137
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	79
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	52
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	--	--	189
15	Magnesium Hardness as CaCO3	IS3025(P-40)1991	mg/l	--	--	154
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	183
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	89
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	143

K.S.Lag
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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	PW-5
19	Sulphates as SO_4	IS3025(P-24)1986	mg/l	200	400	53.4
20	Nitrates as NO_3	IS3025(P-34)1988	mg/l	45	No Relaxation	38.5
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	0.79
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.72
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_6H_5OH	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	--	--	6.9
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	%	--	--	32.5
42	E-Coli	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent
43	Total Coliforms	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/ 100ml	--	--	Absent

K.S.Raj
Verified by

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

ANNEXURE-X

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

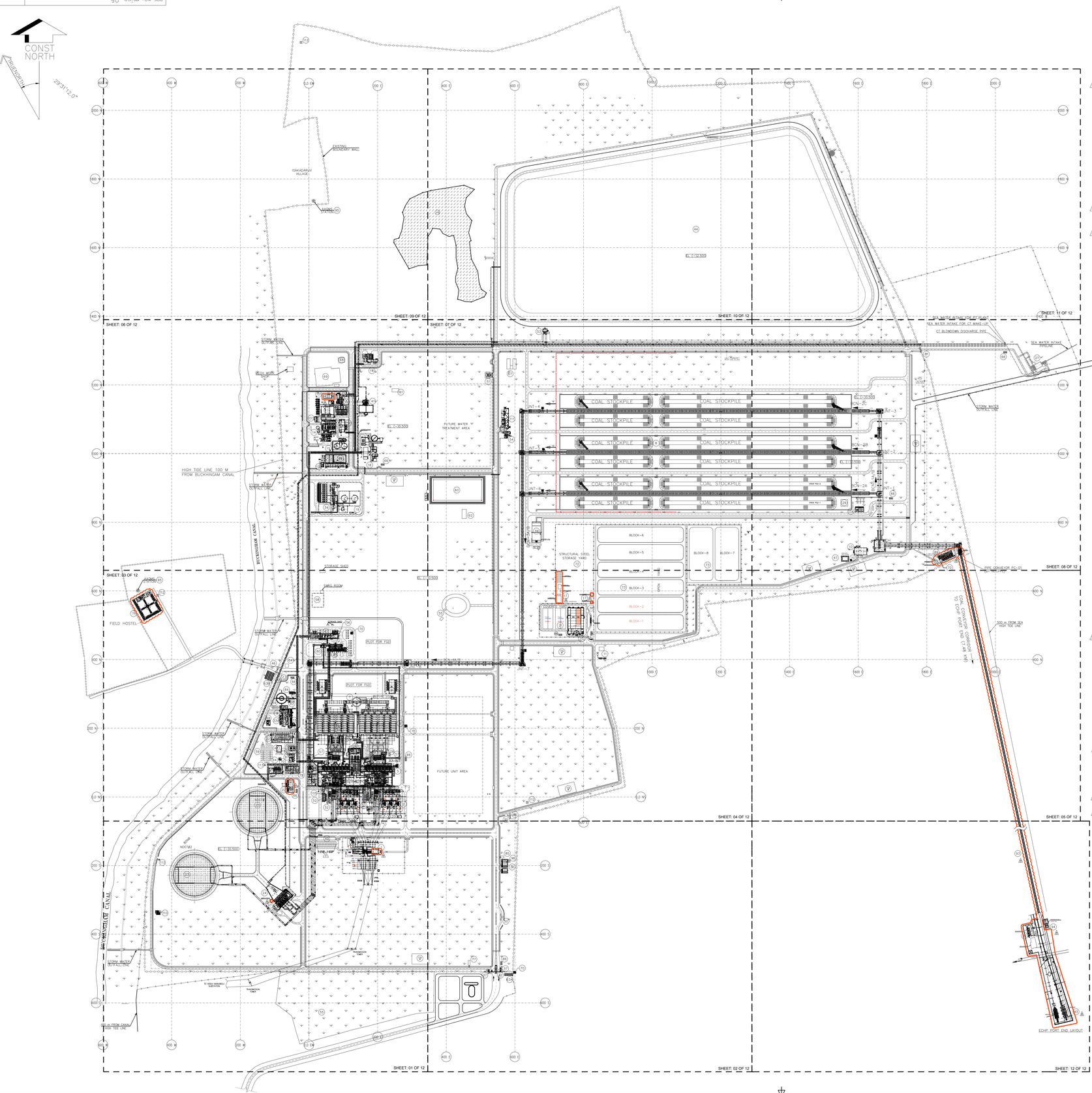
SEIL considers HSE as its core value and is committed to:

- 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.

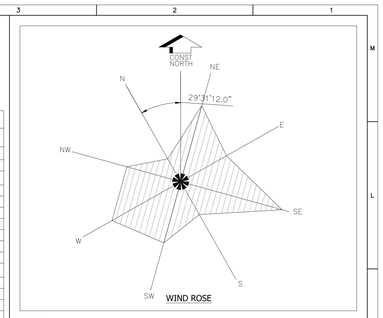
Janmejaya Mahapatra
Chief Executive Officer
July 9th, 2025

ANNEXURE-XV



LIST OF BUILDING/EQUIPMENT

Bldg NO	DESCRIPTION	SIZE IN METERS	TOTAL MOTOR RATING IN HP
1	GIS & 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	Ø28	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	14x20,6x5.9x 14,6x6 & 6x4	13.00
18	CHLORINATION BUILDING	29.6x7.5,11.6x15.7	2112.00
19	F.O. STORAGE AREA	65X65	–
20	CANTEEN–1	32.2x17.9,10x8.6	72.02
21	COVERED STORAGE YARD	30x60–2Nos 45x75–1No	–
22	WORKSHOP	25.8X60.5	143.63
23	COOLING TOWERS	Ø130 EACH–2Nos	–
24	C.W. PUMP HOUSE	28x58	23822.25
25	COMPRESSOR HOUSE	37.5X15	3391.09
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 2.6x3.6–2Nos	14.0
43	HCSD PUMP HOUSE CUM SILO UTILITY BLDG	28.9x16,49x14.8	3220.65
44	ASH POND	134 ACRE	–
45	SECURITY POST	3x3	–
46	GATE–2 (WEST SIDE)	——	–
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 SUPPRESION 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		–
66	ASSEMBLY POINTS		–
67	MECH & ELEC MATERIAL STORAGE SHED	27x30	–
68	NCCL OFFICE	17x14	–
69	SITE OFFICE	72x52	–
70	TOILETS	——	–
71	FIELD HOSTEL & CRECHE	68x58	13.0
72	STRUCTURAL STEEL STORAGE YARD	——	–
73	OPEN STORAGE YARD	——	–
73	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	4398.66
93	ECHP COAL PIPE CONVEYING SYSTEM	44x10.5	
94	PORT END ECHP FIRE WATER PUMP HOUSE AND STORAGE TANK	13x24	234.00
95	AAQMS STATION – 3 Nos		
96	WEATHER STATION – 1No		
97	CHEMICAL STORAGE SHED NEAR CWPH		
100	MCC ROOM	35x15	–
101	WTP LABORATORY BUILDING	30x11	–
102	CHEMICAL HOUSE FOR REMIN PLANT	7.5x14	–
103	SWRO REJECT WATER TANK & PH	13.4x14.4	–
105	EMERGENCY LUBE OIL PIT	5X5	10.0
106	FIRE WATER BOOSTER PUMP HOUSE	6X5.5	49.60
107	INTERMEDIATE SUMP PIT	4X3	40.21
108	SUMP PIT FOR BBD/APH WASH	5X9 EACH	221.18
110	SEWAGE TREATMENT PLANT	14.350x12.350	40.60
111	CHP MCC & CONTROL ROOM #2	61.2X12.5	37.13
112	AIR AMBIENT QUALITY MONITORING SYSTEM	6X6–3NOS	3.0
113	STP INTERMEDIATE LIFTING STATION	3.5X1.85–2NOS	–
114	BULLDOZER SHED	24X10.5	–
115	RAIN WATER HARVESTING POND (NATURAL POND)	——	–
116	RAIN WATER HARVESTING POND	50X30–9NOS	–
	UNT–1 TO 10 AND CRUSHER HOUSE		18129.92
	TOTAL IN HP		246578.90



LEGEND:

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

ASSEMBLY POINTS

S.No	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 CORESPONDS TO FINISHEED FLOOR LEVEL (FFL) OF MAIN POWER HOUSE BUILDING & FGL CORESPONDS TO EL.(–)0.500.
03. GREEN BELT AREA IS 315 ACRE AFTER CONSTRUCTION IS COMPLETED

FOR FACTORY INSPECTOR APPROVAL

REV.	DATE	DESCRIPTION	BY	MEC.	ELE.	CIV.	C&I	SES	APPD.
8	01.09.21	REVISED AS PER SITE MODIFICATIONS AND SUBMIT FOR FACTORY INSPECTOR APPROVAL	VNK		RM/VVVKS				BVSR
7	05.05.19	REVISED AS PER SITE MODIFICATIONS AND SUBMIT FOR FACTORY INSPECTOR APPROVAL	VNK	BVSR	BHARAT/BV SRINIVAS				BR
6	19–JAN–16	REVISED AS MARKED & ISSUED FOR REF	---	TSSP	CVS	NSS	BAB	---	SJB
5	18–MAR–15	ISSUED FOR CONSTRUCTION	PND	JPA	MIT	CK	AYA	---	DK
4	14–FEB–14	ISSUED FOR CONSTRUCTION	SPA	AH	MIT	CK	AYA	---	SOH
3	09–APR–13	ISSUED FOR CONSTRUCTION	SPA	AH	PPL	ANG	CRK	---	SOH
2	24–AUG–12	ISSUED FOR CONSTRUCTION	SPA	AH	PPL	ANG	CRK	---	SOH
1	06–JUN–12	REVISED AS PER MON DTD. 01.06.12	SPA	AH	PPL	ANG	CRK	---	SOH

PROJECT:

SEMBCORP ENERGY INDIA LIMITED- PROJECT-2
(Formely NCC Power Projects Limited)
(2 x 660MW SUPERCRITICAL THERMAL POWER PROJECT) - NELLORE

	DATE	NAME
DESIGN	---	---
DRAWN	01–SEP–20	VNK
CHECKED	11–MAR–19	BVSR
APPROVED	11–MAR–19	RM

TITLE: PLOT PLAN (INDEX LAYOUT)

L&T–S&L DRG. NO.: T658000–UC07–00–ZEN–110001 REV. 08
NCC DRG. NO.: NPT10111–PE–C–GA–200100–001 REV. 08
FILE NAME drawing_filename SCALE: 1:4000 SHEET: 01 OF 01

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A3 (1189mm x 841mm) PLOTTED $TIME$

ANNEXURE-XII

भारत सरकार
Government of India
वाणि और उ ोग मं ा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,
Visakhapatanam - 530017

E-mail : **dyccevizag@explosives.gov.in**
Phone/Fax No : **0891-2722257**

सं ा /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 थत वि मान पेट्रोलियम वर्ग **B,C** अधि ापन में अनु 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 प क्रमांक **OIN1554492** दिनांक **22/12/2023** का अवलोकन करें ।
Please refer to your letter No.: **OIN1554492**, dated **22/12/2023**

अनु सं ा **P/HQ/AP/15/4066 (P340586)** दिनांक **11/11/2022** को दिनांक **31/12/2028** तक नवीनीकृत कर इस प 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 पेट्रोलियम नियम 2002 के अधीन बनाए गए नियम 148 में दी गई क्रिया का कडाई से पालन करें । अनु के नवीकरण हेतु सम द ावेजों को अनु की वैधता समा होने की तिथि से कम से कम 30 दिन पूर्व कार्यालय को ेषित 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/Visakhapatanam

Note:-This is system generated document does not require signature.
(अधिक जानकारी जैसे आवेदन की थति, शु तथा अ 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
(थम अनुसूची का अनु ेद 6 दे.खए)
FORM XV
(see Article 6 of the First Schedule)

अधि□ापनों में पेट्रोलियम के आयात और भंडारकरण के लिए अनु ि
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

अनु . 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 विनिर्दिष्टु वर्ग और मा□ाओं 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 उपाब□ हैं, में दिखाए गए स्थान पर भ□ ारकरण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनु ि की अतिरि□ शत□के अधीन रहते हुए, यह अनु ि अनुद की जाती हैं ।

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 अनु ि 31st day of December **2028** तक वृत रहेगी ।
The Licence shall remain in force till the 31st day of December **2028**

पेट्रोलियम का विवरण /Description of Petroleum	अनु मा□ा (किलोलीटरों में) /Quantity licenced in KL
वर्ग क पुंज पेट्रोलियम /Petroleum Class A in bulk	**NIL**
वर्ग क पुंज पेट्रोलियम से भि□ /Petroleum Class A, otherwise than in bulk	**NIL**
वर्ग ख पुंज पेट्रोलियम /Petroleum Class B in bulk	**500.00 KL**
वर्ग ख पुंज पेट्रोलियम से भि□ /Petroleum Class B, otherwise than in bulk	**NIL**
वर्ग ग पुंज पेट्रोलियम /Petroleum Class C in bulk	**6000.00 KL**
वर्ग ग पुंज पेट्रोलियम से भि□ /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

अनु परिसरों का विवरण और अव□थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनु परिसर जिसकी वि□ास सीमाएं अ□ विशि□यां संल□ 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 नि□लिखित **As per approved drawing attached to the licence.** स लित 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 I-(Licence No.) P/HQ/AP/15/4066 (P340586)

नवीनीकरण के पृ ांकन के लिए थान
SPACE FOR ENDORSEMENT OF RENEWALS

पेटोलियम अधिनियम, १९३४ के उपब□ों या उनके अधीन बनाए गए नियमों या इस अनु ि की शर्तों का उ□ ंघन न होने की दशा में यह अनु ि फ़िस 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	समाि की तारीख Date of Expiry of license	अनु ापन ाधिकारी केहस्ता□र और स्टा□ 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 Visakhapatanam
2).	12/12/2018	31/12/2023	Sd/- J. Sarkar Dy. Chief Controller of Explosives Visakhapatanam
3).	01/01/2024	31/12/2028	S. K. Bhole Controller of Explosives For Dy. Chief Controller of Explosives Visakhapatanam

यदि अनु ि परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरुप नहीं पाए जाते है और जिन नियमों और शर्तों के अधीन यह अनु ि मंजूर की गई है उनमे से किसी का उ□ ंघन होने की दशा में यह अनु ि रद्द की जा सकती है और अनु ि धारी थम अपराध केलिए 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 ेक पा तवर्ती 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, द नीय 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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Annexure-XIII

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.)- DECEMBER 2025
Sampling Location-1:Main Gate

Sample Registration Date: 09.12.2025
Issue Date: 14.12.2025
Lab Ref: SEPL/ES/SEILEILP/12-25/0001

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	08.12.2025	00:00	46.7
2		01:00	35.9
3		02:00	38.4
4		03:00	37.5
5		04:00	49.1
6		05:00	48.2
7		06:00	53.2
8		07:00	50.7
9		08:00	41.6
10		09:00	51.9
11		10:00	58.6
12		11:00	52.8
13		12:00	49.3
14		13:00	53.7
15		14:00	42.7
16		15:00	44.3
17		16:00	40.8
18		17:00	50.1
19		18:00	43.8
20		19:00	51.2
21		20:00	39.7
22		21:00	38.4
23		22:00	37.1
24		23:00	35.9

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

Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

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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.

Group: Atmospheric Pollution **Product: Noise Monitoring (24 Hrs.)- DECEMBER 2025** **Sampling Location-2:BTG Area**	**Sample Registration Date: 09.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0002**

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	08.12.2025	00:00	40.6
2		01:00	42.7
3		02:00	39.1
4		03:00	46.2
5		04:00	48.2
6		05:00	49.7
7		06:00	51
8		07:00	59.8
9		08:00	43.7
10		09:00	51.8
11		10:00	37.4
12		11:00	39.6
13		12:00	50.7
14		13:00	48.6
15		14:00	52.7
16		15:00	46.3
17		16:00	48.9
18		17:00	51.1
19		18:00	40.3
20		19:00	39.3
21		20:00	30.7
22		21:00	42.2
23		22:00	51.1
24		23:00	49.3

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 :Standard/SC-05
Serial No : 200525272
Calibration Due : 28.02.2026

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TEST REPORT

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

Group: Atmospheric Pollution **Product: Noise Monitoring (24 Hrs.)- DECEMBER 2025** **Sampling Location-3:Coal Handling Plant**	**Sample Registration Date: 09.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0003**

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	08.12.2025	00:00	30.7
2		01:00	27.1
3		02:00	48.3
4		03:00	32.6
5		04:00	46.1
6		05:00	49.1
7		06:00	56.6
8		07:00	59.7
9		08:00	47.3
10		09:00	50.9
11		10:00	40.1
12		11:00	52.7
13		12:00	51.3
14		13:00	39.2
15		14:00	41.3
16		15:00	50.1
17		16:00	49.7
18		17:00	38.7
19		18:00	42.8
20		19:00	40.8
21		20:00	37.1
22		21:00	59.3
23		22:00	54.2
24		23:00	46.7

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 : Lutron /SL-34001
Serial No : Q6352440
Calibration Due : 28.02.2026

Verified 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.

Group: Atmospheric Pollution **Product: Noise Monitoring (24 Hrs.)- DECEMBER 2025** **Sampling Location-4:Varakavipudi Village**	**Sample Registration Date: 09.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0004**

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	08.12.2025	00:00	26.1
2		01:00	31.9
3		02:00	35.2
4		03:00	38.5
5		04:00	36.7
6		05:00	39.2
7		06:00	48.3
8		07:00	49.7
9		08:00	51.3
10		09:00	52.7
11		10:00	53.6
12		11:00	46.8
13		12:00	45
14		13:00	49.7
15		14:00	50.7
16		15:00	48.7
17		16:00	47.7
18		17:00	39.8
19		18:00	48.7
20		19:00	50.1
21		20:00	43.1
22		21:00	29.7
23		22:00	40.1
24		23:00	35.5

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

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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.)- DECEMBER 2025
Sampling Location-5:Sivaramapuram Village

Sample Registration Date: 09.12.2025
Issue Date: 14.12.2025
Lab Ref: SEPL/ES/SEILEILP/12-25/0005

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	08.12.2025	00:00	37.8
2		01:00	39.1
3		02:00	43.5
4		03:00	41.6
5		04:00	40.7
6		05:00	35.1
7		06:00	52.3
8		07:00	48.2
9		08:00	46.7
10		09:00	45.1
11		10:00	44.7
12		11:00	45.9
13		12:00	42.7
14		13:00	36.2
15		14:00	35.8
16		15:00	49.6
17		16:00	40.1
18		17:00	38.2
19		18:00	51.7
20		19:00	50.2
21		20:00	41.4
22		21:00	39.8
23		22:00	42.7
24		23:00	40.1

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
SerialNo : 11180097642
Calibration Due : 28.02.2026

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TEST REPORT

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

Group: Atmospheric Pollution **Product: Noise Monitoring (24 Hrs.)- DECEMBER 2025** **Sampling Location-6:Chandrasekharapuram Village**	**Sample Registration Date: 09.12.2025** **Issue Date: 14.12.2025** **Lab Ref: SEPL/ES/SEILEILP/12-25/0006**

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	08.12.2025	00:00	39.2
2		01:00	42.7
3		02:00	32.7
4		03:00	39.8
5		04:00	36.4
6		05:00	41.4
7		06:00	40.1
8		07:00	51.7
9		08:00	48.1
10		09:00	50.6
11		10:00	49.3
12		11:00	50.1
13		12:00	45.3
14		13:00	46.7
15		14:00	51.6
16		15:00	26.4
17		16:00	43.7
18		17:00	42.1
19		18:00	39.2
20		19:00	40.9
21		20:00	34.8
22		21:00	41.9
23		22:00	28.6
24		23:00	33.2

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
SerialNo : 11180097643
Calibration Due : 28.02.2026

K.S.Lag
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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.)- DECEMBER 2025
Date of Sampling:08-12-2025

Sample Registration Date: 09.12.2025
Issue Date: 14.12.2025
Lab Ref: SEPL/ES/SEILEILP/12-25/0007

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	35.9	30.7	27.1	26.1	35.1	26.4
Maximum	58.6	59.8	59.7	53.6	52.3	51.7
Average	45.5	45.9	45.5	43.3	42.9	41.5

K.S.Raj
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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.	
Group: Atmospheric Pollution **Product: Noise Monitoring -MARCH 2026** **Sampling Location-1: DG SETS (3 X 1500 KVA)**	**Sample Registration Date: 23.03.2026** **Issue Date: 24.03.2026** **Lab Ref: SEPL/ES/SEILEILP/03-26/0001**

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	16.03.2026	10:00	54.9

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 : 28.02.2027

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TEST REPORT

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

Group: Atmospheric Pollution **Product: Noise Monitoring (24 Hrs.)- MARCH 2026** **Sampling Location-2:BTG Area**	**Sample Registration Date: 23.03.2026** **Issue Date: 24.03.2026** **Lab Ref: SEPL/ES/SEILEILP/03-26/0002**

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	17.03.2026	00:00	35.7
2		01:00	45.3
3		02:00	34.1
4		03:00	42.9
5		04:00	40.3
6		05:00	44.6
7		06:00	47.2
8		07:00	53.9
9		08:00	42.9
10		09:00	56.7
11		10:00	32.9
12		11:00	35.4
13		12:00	46.7
14		13:00	44.8
15		14:00	53.6
16		15:00	41.9
17		16:00	42.1
18		17:00	43.7
19		18:00	47.9
20		19:00	35.8
21		20:00	26.7
22		21:00	48.9
23		22:00	49.8
24		23:00	44.6

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 :Metravi/SL-3010
Serial No :11180097640
Calibration Due : 28.02.2027

Verified by

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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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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.)- MARCH 2026
Sampling Location-3:Coal Handling Plant

Sample Registration Date: 23.03.2026
Issue Date: 24.03.2026
Lab Ref: SEPL/ES/SEILEILP/03-26/0003

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	18.03.2026	00:00	25.7
2		01:00	24.3
3		02:00	44.2
4		03:00	34.5
5		04:00	42.9
6		05:00	45.6
7		06:00	50.3
8		07:00	53.7
9		08:00	43.1
10		09:00	46.2
11		10:00	35.8
12		11:00	54.3
13		12:00	54.8
14		13:00	42.7
15		14:00	39.1
16		15:00	47.2
17		16:00	45.3
18		17:00	33.1
19		18:00	35.1
20		19:00	37.3
21		20:00	30.5
22		21:00	48.3
23		22:00	50.1
24		23:00	42.1

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 : 28.02.2027

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TEST REPORT

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

Group: Atmospheric Pollution
Product: Noise Monitoring (24 Hrs.)- MARCH 2026
Sampling Location-4:Varakavipudi Village

Sample Registration Date: 23.03.2026
Issue Date: 24.03.2026
Lab Ref: SEPL/ES/SEILEILP/03-26/0004

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	19.03.2026	00:00	30.1
2		01:00	25.7
3		02:00	31.6
4		03:00	40.9
5		04:00	32.5
6		05:00	33.7
7		06:00	43.9
8		07:00	44.2
9		08:00	47.8
10		09:00	50.1
11		10:00	49.8
12		11:00	43.7
13		12:00	51.3
14		13:00	53.7
15		14:00	46.7
16		15:00	42.2
17		16:00	51.6
18		17:00	35.4
19		18:00	43.7
20		19:00	44.9
21		20:00	40.7
22		21:00	33.9
23		22:00	37.8
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 :11180097640
Calibration Due : 28.02.2027

Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

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.

Group: Atmospheric Pollution
Product: Noise Monitoring (24 Hrs.)- MARCH 2026
Sampling Location-5:Sivaramapuram Village

Sample Registration Date: 23.03.2026
Issue Date: 24.03.2026
Lab Ref: SEPL/ES/SEILEILP/03-26/0005

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	20.03.2026	00:00	32.8
2		01:00	33.6
3		02:00	40.1
4		03:00	39.8
5		04:00	35.4
6		05:00	30.6
7		06:00	50.7
8		07:00	44.6
9		08:00	42.7
10		09:00	41.9
11		10:00	49.7
12		11:00	50.1
13		12:00	44.7
14		13:00	33.6
15		14:00	30.8
16		15:00	44.2
17		16:00	35.8
18		17:00	34.1
19		18:00	50.9
20		19:00	44.7
21		20:00	39.2
22		21:00	35.7
23		22:00	40.3
24		23:00	33.1

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 :11180097640
Calibration Due : 28.02.2027

Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

Authorized by
Managing Director

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.)- MARCH 2026
Sampling Location-6:Chandrasekharapuram Village

Sample Registration Date: 23.03.2026
Issue Date: 24.03.2026
Lab Ref: SEPL/ES/SEILEILP/03-26/0006

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	24.03.2026	00:00	33.1
2		01:00	39.6
3		02:00	30.3
4		03:00	34.7
5		04:00	32.5
6		05:00	40.6
7		06:00	43.8
8		07:00	50.1
9		08:00	52.2
10		09:00	54.6
11		10:00	53.4
12		11:00	45.8
13		12:00	40.1
14		13:00	41.2
15		14:00	48.7
16		15:00	30.1
17		16:00	38.2
18		17:00	43.5
19		18:00	34.3
20		19:00	35.8
21		20:00	30.9
22		21:00	41.9
23		22:00	32.8
24		23:00	37.3

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 :11180097640
Calibration Due : 28.02.2027

K.S.Raj
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

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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.)- MARCH 2026**	**Sample Registration Date: 23.03.2026** **Issue Date: 24.03.2026** **Lab Ref: SEPL/ES/SEILEILP/03-26/0007**

TEST RESULT

Particulars	DG SETS (3 X 1500 KVA) 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	41.3	26.7	24.3	25.7	30.6	30.1
Maximum	54.9	56.7	54.8	53.7	50.9	54.6
Average	48.1	43.3	41.9	41.5	40.0	40.2

K.S.Lag
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

Authorized by
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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	**Sample Registration Date: 01.11.2025**
Group: Atmospheric Pollution	**Issue Date: 07.11.2025**
Product: Ambient Air Quality Monitoring – OCTOBER 2025	**Lab Ref: SEPL/ES/SEILEILP/10-25/0001**
Location-1: Fire Station (Plant Site)	**Sample collected person details: S. Ganesh**

TESTRESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
02.10.2025	36.5	33.3	11.4	14.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
03.10.2025	31.1	32.5	13.7	11.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.10.2025	42.5	31.4	16.8	15.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.10.2025	28.7	31.6	12.1	12.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.10.2025	41.6	30.7	17.6	21.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.10.2025	40.1	24.5	20.4	16.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.10.2025	42.7	20.8	14.9	17.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.10.2025	38.4	32.2	15.4	18.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.10.2025	37.6	35.6	17.5	19.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
31.10.2025	46.8	32.4	17.8	18.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**28.7**	**20.8**	**11.4**	**11.8**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**46.8**	**35.6**	**20.4**	**21.5**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**38.6**	**30.5**	**15.8**	**16.7**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**46.1**	**35.2**	**19.9**	**21.2**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:
Instrument : Fine Particulate sampler
Model/SI NO : 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.Lag
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

Authorized by
Managing Director

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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	**Sample Registration Date: 01.11.2025**
Group: Atmospheric Pollution	**Issue Date: 07.11.2025**
Product: Ambient Air Quality Monitoring – OCTOBER 2025	**Lab Ref: SEPL/ES/SEILEILP/10-25/0002**
Location-2: Sivaramapuram village	**Sample collected person details: S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
02.10.2025	34.5	25.6	21.4	13.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
03.10.2025	27.1	31.2	14.1	14.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.10.2025	29.8	30.7	20.5	9.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.10.2025	45.2	31.5	15.3	16.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.10.2025	25.7	28.4	19.6	13.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.10.2025	34.9	32.3	17.5	19.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.10.2025	38.7	27.1	16.7	20.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.10.2025	28.4	26.4	18.6	24.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.10.2025	26.1	30.2	22.8	23.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
31.10.2025	38.2	19.4	15.7	12.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**25.7**	**19.4**	**14.1**	**9.1**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**45.2**	**32.3**	**22.8**	**24.2**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**32.9**	**28.3**	**18.2**	**16.8**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**44.0**	**32.2**	**22.5**	**24.1**	<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.Raj
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

Authorized by
Managing Director

LABORATORY : Plot No 142/1, Eruvada Junction, Sabbavaram (M), Vizag - 531 035
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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	**Sample Registration Date: 01.11.2025**
Group: Atmospheric Pollution	**Issue Date: 07.11.2025**
Product: Ambient Air Quality Monitoring – OCTOBER 2025	**Lab Ref: SEPL/ES/SEILEILP/10-25/0003**
Location-3: Chandrasekharapuram Village	**Sample collected person details: S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
02.10.2025	29.1	25.5	17.8	11.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
03.10.2025	33.3	30.4	19.2	14.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.10.2025	41.2	21.7	13.1	17.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.10.2025	34.8	29.8	12.7	18.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.10.2025	46.7	28.6	18.6	14.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.10.2025	34.9	34.6	19.5	15.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.10.2025	37.5	29.7	15.8	20.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.10.2025	41.6	26.6	16.1	10.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.10.2025	40.2	30.9	20.9	16.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
31.10.2025	37.4	31.1	22.7	17.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**29.1**	**21.7**	**12.7**	**10.5**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**46.7**	**34.6**	**22.7**	**20.6**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**37.7**	**28.9**	**17.6**	**15.8**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**46.0**	**34.0**	**19.5**	**20.3**	<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 Details:
Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

K.S.Raj
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

Authorized by
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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	**Sample Registration Date: 01.11.2025**
Group: Atmospheric Pollution	**Issue Date: 07.11.2025**
Product: Ambient Air Quality Monitoring – OCTOBER 2025	**Lab Ref: SEPL/ES/SEILEILP/10-25/0004**
Location-4: Varakavipudi Village	**Sample collected person details: S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
02.10.2025	34.2	32.4	12.4	13.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
03.10.2025	36.8	31.6	16.6	17.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.10.2025	44.3	33.7	14.7	12.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.10.2025	34.7	27.1	15.1	14.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.10.2025	45.8	23.8	14.2	16.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.10.2025	42.2	24.9	13.5	17.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.10.2025	38.8	37.5	18.9	12	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.10.2025	45.1	36.2	19.6	15.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.10.2025	38.7	35.7	20.5	19.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
31.10.2025	40.2	29.1	17.3	11.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**34.2**	**23.8**	**12.4**	**11.2**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**45.8**	**37.5**	**20.5**	**19.9**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**40.1**	**31.2**	**16.3**	**15.1**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**45.7**	**37.3**	**20.3**	**19.5**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	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.Lag
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

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

SUMMARY OF AMBIENT AIR QUALITY – OCTOBER 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM_{10}	Minimum	$\mu g/m^3$	28.7	25.7	29.1	34.2
	Maximum		46.8	45.2	46.7	45.8
	Average		38.6	32.9	37.7	40.1
	98 Percentile		46.1	44.0	46.0	45.7
$PM_{2.5}$	Minimum		20.8	19.4	21.7	23.8
	Maximum		35.6	32.3	34.6	37.5
	Average		30.5	28.3	28.9	31.2
	98 Percentile		35.2	32.2	34.0	37.3
SO_2	Minimum		11.4	14.1	12.7	12.4
	Maximum		20.4	22.8	22.7	20.5
	Average		15.8	18.2	17.6	16.3
	98 Percentile		19.9	22.5	19.5	20.3
NO_x	Minimum		11.8	9.1	10.5	11.2
	Maximum		21.5	24.2	20.6	19.9
	Average		16.7	16.8	15.8	15.1
	98 Percentile		21.2	24.1	20.3	19.5

K.S.Raj
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

Authorized by
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SPECTRA ENVIROTECH PVT LTD

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

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

TEST REPORT

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

Discipline: Chemical	**Sample Registration Date: 29.11.2025**
Group: Atmospheric Pollution	**Issue Date: 05.12.2025**
Product: Ambient Air Quality Monitoring – NOVEMBER 2025	**Lab Ref: SEPL/ES/SEILEILP/11-25/0001**
Location-1: Fire Station (Plant Site)	**Sample collected person details: S. Ganesh**

TESTRESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
06.11.2025	32.5	28.3	8.4	22.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
05.12.2025	27.1	37.4	20.3	7.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.11.2025	46.2	26	11.5	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.11.2025	34.6	35.9	18.4	17.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.11.2025	50.3	25.1	24.6	27.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.11.2025	34	31.5	28.2	22.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.11.2025	47.5	27.4	20.9	24.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.11.2025	41.7	39.2	25.3	28.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**27.1**	**25.1**	**8.4**	**7.6**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**50.3**	**39.2**	**28.2**	**28.9**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**39.2**	**31.4**	**19.7**	**20.2**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**49.9**	**38.9**	**27.8**	**28.8**	<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.Lag
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

Authorized by
Managing Director

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

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	**Sample Registration Date: 29.11.2025**
Group: Atmospheric Pollution	**Issue Date: 05.12.2025**
Product: Ambient Air Quality Monitoring – NOVEMBER 2025	**Lab Ref: SEPL/ES/SEILEILP/11-25/0002**
Location-2: Sivaramapuram village	**Sample collected person details: S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
06.11.2025	28.6	20.3	16.2	18.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
05.12.2025	23.1	36.4	9.9	20.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.11.2025	33.7	27.5	25.7	14.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.11.2025	50.2	37.2	10.3	21.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.11.2025	29.4	23.1	26.8	8.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.11.2025	40.3	38.6	22.4	26.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.11.2025	43.8	35.3	20.3	28.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.11.2025	34.6	34.9	14.9	30.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**23.1**	**20.3**	**9.9**	**8.8**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**50.2**	**38.6**	**26.8**	**30.3**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**35.5**	**31.7**	**18.3**	**21.2**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**49.3**	**38.4**	**26.6**	**30.0**	<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 / 220831
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

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

K.S.Lag
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SPECTRA ENVIROTECH PVT. LTD. VIZAG

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

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

Discipline: Chemical	**Sample Registration Date: 29.11.2025**
Group: Atmospheric Pollution	**Issue Date: 05.12.2025**
Product: Ambient Air Quality Monitoring – NOVEMBER 2025	**Lab Ref: SEPL/ES/SEILEILP/11-25/0003**
Location-3: Chandrasekharapuram Village	**Sample collected person details: S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
06.11.2025	36.7	30.2	12.8	7.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
05.12.2025	39.2	36.1	24.9	19.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.11.2025	46.1	26.3	19.5	23.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.11.2025	38.6	37.8	8.6	26.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.11.2025	41.3	35.4	26.3	20.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.11.2025	29.4	29.5	25.4	10.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.11.2025	43.6	24.1	20.7	26.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.11.2025	49.5	32.8	11.5	16.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**29.4**	**24.1**	**8.6**	**7.1**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**49.5**	**37.8**	**26.3**	**26.8**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**40.6**	**31.5**	**18.7**	**18.8**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**49.0**	**37.6**	**26.2**	**26.7**	<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 / 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

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SPECTRA ENVIROTECH PVT. LTD. VIZAG

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

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

Discipline: Chemical	**Sample Registration Date: 29.11.2025**
Group: Atmospheric Pollution	**Issue Date: 05.12.2025**
Product: Ambient Air Quality Monitoring – NOVEMBER 2025	**Lab Ref: SEPL/ES/SEILEILP/11-25/0004**
Location-4: Varakavipudi Village	**Sample collected person details: S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
06.11.2025	40.1	38.2	7.3	19.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
05.12.2025	43.6	26.3	21.5	23.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.11.2025	49.7	37	20.9	18.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.11.2025	29.8	22.4	22.6	20.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.11.2025	51.2	18.7	19.4	22.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.11.2025	47.3	30.5	18.7	21	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.11.2025	33.1	42.6	26.1	17.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.11.2025	41	44.9	28.9	10.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**29.8**	**18.7**	**7.3**	**10.2**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**51.2**	**44.9**	**28.9**	**23.5**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**42.0**	**32.6**	**20.7**	**19.2**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**51.0**	**44.6**	**28.5**	**23.4**	<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

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SPECTRA ENVIROTECH PVT. LTD. VIZAG

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Managing Director

LABORATORY : Plot No 142/1, Eruvada Junction, Sabbavaram (M), Vizag - 531 035
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Environmental, Micro Biology, Analytical Testings & RO, ETP, STP's Engineering

SUMMARY OF AMBIENT AIR QUALITY – NOVEMBER 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM_{10}	Minimum	$\mu g/m^3$	27.1	23.1	29.4	29.8
	Maximum		50.3	50.2	49.5	51.2
	Average		39.2	35.5	40.6	42.0
	98 Percentile		49.9	49.3	49.0	51.0
$PM_{2.5}$	Minimum		25.1	20.3	24.1	18.7
	Maximum		39.2	38.6	37.8	44.9
	Average		31.4	31.7	31.5	32.6
	98 Percentile		38.9	38.4	37.6	44.6
SO_2	Minimum		8.4	9.9	8.6	7.3
	Maximum		28.2	26.8	26.3	28.9
	Average		19.7	18.3	18.7	20.7
	98 Percentile		27.8	26.6	26.2	28.5
NO_x	Minimum		7.6	8.8	7.1	10.2
	Maximum		28.9	30.3	26.8	23.5
	Average		20.2	21.2	18.8	19.2
	98 Percentile		28.8	30.0	26.7	23.4

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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	**Sample Registration Date: 27.12.2025**
Group: Atmospheric Pollution	**Issue Date: 02.01.2026**
Product: Ambient Air Quality Monitoring – DECEMBER 2025	**Lab Ref: SEPL/ES/SEILEILP/12-25/0001**
Location-1: Fire Station (Plant Site)	**Sample collected person details: S. Ganesh**

TESTRESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
04.12.2025	37.4	35.7	15.4	25.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.01.2026	33.5	41.6	26.1	15.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.12.2025	51.7	34.8	17.5	17.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.12.2025	39.8	40.6	23.9	24.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.12.2025	44	31.4	29.6	37.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.12.2025	29.7	37.5	34.7	28.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.12.2025	42.2	36.8	28.6	31.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.12.2025	37.6	44.9	33.4	21.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**29.7**	**31.4**	**15.4**	**15.9**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**51.7**	**44.9**	**34.7**	**37.4**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**39.5**	**37.9**	**26.2**	**25.4**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**50.6**	**44.4**	**34.5**	**36.6**	<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.Lag
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

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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	**Sample Registration Date: 27.12.2025**
Group: Atmospheric Pollution	**Issue Date: 02.01.2026**
Product: Ambient Air Quality Monitoring – DECEMBER 2025	**Lab Ref: SEPL/ES/SEILEILP/12-25/0002**
Location-2: Sivaramapuram village	**Sample collected person details: S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
04.12.2025	35.7	25.9	10.7	23.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.01.2026	30.4	41.6	16.9	26.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.12.2025	39.8	34.7	31.4	20.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.12.2025	54.6	43.9	18.6	28.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.12.2025	36.5	29.5	30.5	12.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.12.2025	45.8	31.4	27.3	31.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.12.2025	51.7	30.6	28.6	34.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.12.2025	40.6	39.8	20.4	39.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**30.4**	**25.9**	**10.7**	**12.4**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**54.6**	**43.9**	**31.4**	**39.8**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**41.9**	**34.7**	**23.1**	**27.3**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**54.2**	**43.6**	**31.3**	**39.1**	<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.Lag
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M/s. SEIL ENERGY INDIA LIMITED PROJECT-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram(V), Thotapalli Gudur (M),
SPSR Nellore (Dist.) -524344.

Discipline: Chemical	**Sample Registration Date: 27.12.2025**
Group: Atmospheric Pollution	**Issue Date: 02.01.2026**
Product: Ambient Air Quality Monitoring – DECEMBER 2025	**Lab Ref: SEPL/ES/SEILEILP/12-25/0003**
Location-3: Chandrasekharapuram Village	**Sample collected person details: S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
04.12.2025	42.6	37.2	18.1	11.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.01.2026	45.9	42.1	31.9	25.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.12.2025	51.2	31.8	28.4	30.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.12.2025	43.1	44.6	16.3	32.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.12.2025	36.5	40.9	32.7	27.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.12.2025	21.2	35.1	33.8	18.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.12.2025	50.8	32.2	27.2	33.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.12.2025	35.2	43.7	17.5	21.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**21.2**	**31.8**	**16.3**	**11.5**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**51.2**	**44.6**	**33.8**	**33.8**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**40.8**	**38.5**	**25.7**	**25.2**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**51.1**	**44.5**	**33.6**	**33.6**	<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 / 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.Raj
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

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Managing Director

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

SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

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

Discipline: Chemical	**Sample Registration Date: 27.12.2025**
Group: Atmospheric Pollution	**Issue Date: 02.01.2026**
Product: Ambient Air Quality Monitoring – DECEMBER 2025	**Lab Ref: SEPL/ES/SEILEILP/12-25/0004**
Location-4: Varakavipudi Village	**Sample collected person details: S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
04.12.2025	46.2	43.9	13.7	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.01.2026	51.8	32.7	26.4	28.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.12.2025	42.9	42.2	28.3	25.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.12.2025	22.7	28.7	29.1	15.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.12.2025	45.3	25.6	12.2	29.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.12.2025	42.1	37.9	23.7	17.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.12.2025	28.3	47.1	31.9	22.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.12.2025	31.1	51.8	34.9	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**22.7**	**25.6**	**12.2**	**14.3**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**51.8**	**51.8**	**34.9**	**29.3**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**38.8**	**38.7**	**25.0**	**21.2**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**51.0**	**51.1**	**34.5**	**29.2**	<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

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SPECTRA ENVIROTECH PVT. LTD. VIZAG

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SUMMARY OF AMBIENT AIR QUALITY – DECEMBER 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM_{10}	Minimum	µg/m³	29.7	30.4	21.2	22.7
	Maximum		51.7	54.6	51.2	51.8
	Average		39.5	41.9	40.8	38.8
	98 Percentile		50.6	54.2	51.1	51.0
$PM_{2.5}$	Minimum		31.4	25.9	31.8	25.6
	Maximum		44.9	43.9	44.6	51.8
	Average		37.9	34.7	38.5	38.7
	98 Percentile		44.4	43.6	44.5	51.1
SO_2	Minimum		15.4	10.7	16.3	12.2
	Maximum		34.7	31.4	33.8	34.9
	Average		26.2	23.1	25.7	25.0
	98 Percentile		34.5	31.3	33.6	34.5
NO_x	Minimum		15.9	12.4	11.5	14.3
	Maximum		37.4	39.8	33.8	29.3
	Average		25.4	27.3	25.2	21.2
	98 Percentile		36.6	39.1	33.6	29.2

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TEST REPORT

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

Discipline : Chemical	**Sample Registration Date : 31.01.2026**
Group : Atmospheric Pollution	**Issue Date : 06.02.2026**
Product : Ambient Air Quality Monitoring – JANUARY 2026	**Lab Ref : SEPL/ES/SEILP2/AAQ/01-26/0001**
Location : Fire Station (Plant Site)	**Sample collected person details : S. Ganesh**

TESTRESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
02.01.2026	28.6	38.3	47.6	35.4								
06.01.2026	41.2	39.6	20.1	29.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.01.2026	37.6	45.7	31.5	20.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.01.2026	48.3	38.1	22.7	23.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.01.2026	44.9	46.9	27.6	30.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.01.2026	47.5	35.2	34.2	34.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.01.2026	32.1	41.5	38.3	33.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.01.2026	47.6	42.8	33.9	35.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.01.2026	42.4	49.6	37.5	26.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**28.6**	**35.2**	**20.1**	**20.6**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**48.3**	**49.6**	**47.6**	**35.9**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**41.1**	**42.0**	**32.6**	**30.0**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**48.2**	**49.2**	**46.1**	**35.8**	<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

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SPECTRA ENVIROTECH PVT. LTD. VIZAG

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TEST REPORT

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

Discipline : Chemical	**Sample Registration Date : 31.01.2026**
Group : Atmospheric Pollution	**Issue Date : 06.02.2026**
Product : Ambient Air Quality Monitoring – JANUARY 2026	**Lab Ref : SEPL/ES/SEILP2/AAQ/01-26/0002**
Location : Sivaramapuram village	**Sample collected person details : S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
02.01.2026	29.8	38.6	33.9	43.9								
06.01.2026	40.1	29.4	15.2	27.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.01.2026	35.6	46.3	20.1	31.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.01.2026	41.2	39.7	35.7	25.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.01.2026	50.7	47.6	24.3	31.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.01.2026	40.9	34.1	33.8	16.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.01.2026	49.8	36.9	30.6	35.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.01.2026	47.3	37.8	34.9	39.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.01.2026	36.5	43.5	25.7	43.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**29.8**	**29.4**	**15.2**	**16.7**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**50.7**	**47.6**	**35.7**	**43.9**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**41.3**	**39.3**	**28.2**	**32.8**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**50.6**	**47.4**	**35.6**	**43.8**	<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	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.Raj
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SPECTRA ENVIROTECH PVT. LTD. VIZAG

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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	**Sample Registration Date : 31.01.2026**
Group : Atmospheric Pollution	**Issue Date : 06.02.2026**
Product : Ambient Air Quality Monitoring – JANUARY 2026	**Lab Ref : SEPL/ES/SEILP2/AAQ/01-26/0003**
Location : Chandrasekharapuram Village	**Sample collected person details : S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
02.01.2026	38.5	36.4	25.4	25.6								
06.01.2026	46.2	33.1	21.2	16.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.01.2026	49.7	46.4	35.6	30.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.01.2026	47.3	35.6	32.9	34.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.01.2026	48.4	49.8	20.5	36.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.01.2026	40.1	44.4	36.7	31.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.01.2026	26.5	39.7	38.9	24.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.01.2026	45.9	37.2	31.4	38.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.01.2026	31.2	47.6	22.6	25.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**26.5**	**33.1**	**20.5**	**16.4**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**49.7**	**49.8**	**38.9**	**38.7**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**41.5**	**41.1**	**29.5**	**29.3**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**49.5**	**49.4**	**38.5**	**38.4**	<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

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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

TEST REPORT

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

Discipline : Chemical	**Sample Registration Date : 31.01.2026**
Group : Atmospheric Pollution	**Issue Date : 06.02.2026**
Product : Ambient Air Quality Monitoring – JANUARY 2026	**Lab Ref : SEPL/ES/SEILP2/AAQ/01-26/0004**
Location : Varakavipudi Village	**Sample collected person details: S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
02.01.2026	37.6	35.4	36.5	50.2								
06.01.2026	43.1	48.3	16.4	18.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.01.2026	46.5	37.6	31.7	31.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.01.2026	47.3	46.9	33.5	30.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.01.2026	27.6	31.2	35.7	21.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.01.2026	49.8	30.3	17.6	33.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.01.2026	48.2	43.7	28.9	22.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.01.2026	34.3	50.6	35.1	27.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.01.2026	36.9	49.4	38.4	20.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**27.6**	**30.3**	**16.4**	**18.5**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**49.8**	**50.6**	**38.4**	**50.2**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**41.3**	**41.5**	**30.4**	**28.5**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**49.5**	**50.4**	**38.1**	**47.6**	<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 / 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

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

SUMMARY OF AMBIENT AIR QUALITY – JANUARY 2026

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM_{10}	Minimum	$\mu g/m^3$	28.6	29.8	26.5	27.6
	Maximum		48.3	50.7	49.7	49.8
	Average		41.1	41.3	41.5	41.3
	98 Percentile		48.2	50.6	49.5	49.5
$PM_{2.5}$	Minimum		35.2	29.4	33.1	30.3
	Maximum		49.6	47.6	49.8	50.6
	Average		42.0	39.3	41.1	41.5
	98 Percentile		49.2	47.4	49.4	50.4
SO_2	Minimum		20.1	15.2	20.5	16.4
	Maximum		47.6	35.7	38.9	38.4
	Average		32.6	28.2	29.5	30.4
	98 Percentile		46.1	35.6	38.5	38.1
NO_x	Minimum		20.6	16.7	16.4	18.5
	Maximum		35.9	43.9	38.7	50.2
	Average		30.0	32.8	29.3	28.5
	98 Percentile		35.8	43.8	38.4	47.6

K.S.Raj
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SPECTRA ENVIROTECH PVT. LTD. VIZAG

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Managing Director

LABORATORY : Plot No 142/1, Eruvada Junction, Sabbavaram (M), Vizag - 531 035
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Environmental, Micro Biology, Analytical Testings & RO, ETP, STP's Engineering

TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline : Chemical	**Sample Registration Date : 28.02.2026**
Group : Atmospheric Pollution	**Issue Date : 04.03.2026**
Product : Ambient Air Quality Monitoring – FEBRUARY 2026	**Lab Ref : SEPL/ES/SEILP2/AAQ/02-26/0001**
Location : Fire Station (Plant Site)	**Sample collected person details : S. Ganesh**

TESTRESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
03.02.2026	33.1	22.6	31.6	29.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.02.2026	45.6	24.8	26.4	33.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.02.2026	41.2	29.3	35.6	24.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.02.2026	51.8	20.4	27.1	28.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.02.2026	47.9	23.8	31.3	34.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.02.2026	50.3	34.6	38.7	38.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.02.2026	36.7	35.7	33.1	37.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.02.2026	43.9	27.1	27.9	20.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**33.1**	**20.4**	**26.4**	**20.3**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**51.8**	**35.7**	**38.7**	**38.5**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**43.8**	**27.3**	**31.5**	**30.9**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**51.6**	**35.5**	**38.3**	**38.3**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:
Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 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.Lag
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TEST REPORT

ISSUED TO:

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

Discipline : Chemical	**Sample Registration Date : 28.02.2026**
Group : Atmospheric Pollution	**Issue Date : 04.03.2026**
Product : Ambient Air Quality Monitoring – FEBRUARY 2026	**Lab Ref : SEPL/ES/SEILP2/AAQ/02-26/0002**
Location : Sivaramapuram village	**Sample collected person details : S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
03.02.2026	32.6	26.1	38.5	27.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.02.2026	45.9	32.6	20.4	31.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.02.2026	40.1	20.9	25.9	35.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.02.2026	46.8	32.4	30.6	29.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.02.2026	45.1	33.7	29.7	36.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.02.2026	37.6	38.3	36.2	21.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.02.2026	51.2	34.6	35.3	20.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.02.2026	50.7	38.6	39.1	24.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**32.6**	**20.9**	**20.4**	**20.5**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**51.2**	**38.6**	**39.1**	**36.7**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**43.8**	**32.2**	**32.0**	**28.4**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**51.1**	**38.6**	**39.0**	**36.5**	<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 / 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.Raj
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TEST REPORT

ISSUED TO:

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

Discipline : Chemical	**Sample Registration Date : 28.02.2026**
Group : Atmospheric Pollution	**Issue Date : 04.03.2026**
Product : Ambient Air Quality Monitoring – FEBRUARY 2026	**Lab Ref : SEPL/ES/SEILP2/AAQ/02-26/0003**
Location : Chandrasekharapuram Village	**Sample collected person details : S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
03.02.2026	43.5	30.5	29.4	30.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.02.2026	49.1	37.9	26.8	21.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.02.2026	52.3	21.6	30.1	35.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.02.2026	44.7	29.8	36.9	38.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.02.2026	42.6	35.4	25.2	31.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.02.2026	35.4	28.3	31.6	36.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.02.2026	31.6	34.1	33.4	29.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.02.2026	50.9	22.6	35.8	23.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**31.6**	**21.6**	**25.2**	**21.3**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**52.3**	**37.9**	**36.9**	**38.1**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**43.8**	**30.0**	**31.2**	**30.9**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**52.1**	**37.6**	**36.7**	**37.9**	<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	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

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

Discipline : Chemical	**Sample Registration Date : 28.02.2026**
Group : Atmospheric Pollution	**Issue Date : 04.03.2026**
Product : Ambient Air Quality Monitoring – FEBRUARY 2026	**Lab Ref : SEPL/ES/SEILP2/AAQ/02-26/0004**
Location : Varakavipudi Village	**Sample collected person details: S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
03.02.2026	41.3	24.3	32.8	27.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.02.2026	46.1	21.8	20.6	23.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.02.2026	50.6	32.6	35.7	36.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.02.2026	51.7	28.4	37.6	35.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.02.2026	32.5	35.9	30.1	26.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.02.2026	45.2	36.7	22.6	37.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.02.2026	43.8	26.4	34.5	27.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.02.2026	39.6	30.6	21.6	32.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**32.5**	**21.8**	**20.6**	**23.4**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**51.7**	**36.7**	**37.6**	**37.8**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**43.9**	**29.6**	**29.4**	**30.9**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**51.5**	**36.6**	**37.3**	**37.7**	<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 / 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

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SUMMARY OF AMBIENT AIR QUALITY – FEBRUARY 2026

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM_{10}	Minimum	µg/m³	33.1	32.6	31.6	32.5
	Maximum		51.8	51.2	52.3	51.7
	Average		43.8	43.8	43.8	43.9
	98 Percentile		51.6	51.1	52.1	51.5
$PM_{2.5}$	Minimum		20.4	20.9	21.6	21.8
	Maximum		35.7	38.6	37.9	36.7
	Average		27.3	32.2	30.0	29.6
	98 Percentile		35.5	38.6	37.6	36.6
SO_2	Minimum		26.4	20.4	25.2	20.6
	Maximum		38.7	39.1	36.9	37.6
	Average		31.5	32.0	31.2	29.4
	98 Percentile		38.3	39.0	36.7	37.3
NO_x	Minimum		20.3	20.5	21.3	23.4
	Maximum		38.5	36.7	38.1	37.8
	Average		30.9	28.4	30.9	30.9
	98 Percentile		38.3	36.5	37.9	37.7

K.S.Raj
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TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline : Chemical	**Sample Registration Date : 28.03.2026**
Group : Atmospheric Pollution	**Issue Date : 01.04.2026**
Product : Ambient Air Quality Monitoring – MARCH 2026	**Lab Ref : SEPL/ES/SEILP2/AAQ/03-26/0001**
Location : Fire Station (Plant Site)	**Sample collected person details : S. Ganesh**

TESTRESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
03.03.2026	37.2	24.5	28.4	25.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.03.2026	40.1	28.3	23.9	20.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.03.2026	46.8	31.4	30.2	28.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.03.2026	55.3	25.1	24.1	23.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.03.2026	54.4	26.7	27.6	25.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.03.2026	47.3	30.3	32.8	30.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.03.2026	41.5	33.7	26.3	32.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.03.2026	48.8	32.9	31.8	17.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**37.2**	**24.5**	**23.9**	**17.3**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**55.3**	**33.7**	**32.8**	**32.7**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**46.4**	**29.1**	**28.1**	**25.4**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**55.2**	**33.6**	**32.7**	**32.4**	<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 : 28.02.2027

Instruments Details:
Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due: 28.02.2027

K.S.Raj
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SPSR Nellore (Dist.) -524344.

Discipline : Chemical	**Sample Registration Date : 28.03.2026**
Group : Atmospheric Pollution	**Issue Date : 01.04.2026**
Product : Ambient Air Quality Monitoring – MARCH 2026	**Lab Ref : SEPL/ES/SEILP2/AAQ/03-26/0002**
Location : Sivaramapuram village	**Sample collected person details : S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
03.03.2026	30.8	31.6	34.2	30.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.03.2026	48.2	36.9	15.9	25.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.03.2026	45.3	25.3	20.4	29.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.03.2026	42.7	28.5	26.8	24.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.03.2026	41.9	30.1	25.5	28.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.03.2026	43.2	33.8	30.7	16.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.03.2026	49.7	29.7	31.9	15.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.03.2026	53.4	40.3	39.1	20.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**30.8**	**25.3**	**15.9**	**15.2**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**53.4**	**40.3**	**39.1**	**30.8**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**44.4**	**32.0**	**28.1**	**24.0**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**52.9**	**39.8**	**38.4**	**30.6**	<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 : 28.02.2027

Instruments Details:
Instrument : Respirable Dust sampler
Model/SI NO : AAQM-60/220518
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2027

K.S.Raj
Verified by

SPECTRA ENVIROTECH PVT. LTD. VIZAG

Authorized by
Managing Director

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

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	**Sample Registration Date : 28.03.2026**
Group : Atmospheric Pollution	**Issue Date : 01.04.2026**
Product : Ambient Air Quality Monitoring – MARCH 2026	**Lab Ref : SEPL/ES/SEILP2/AAQ/03-26/0003**
Location : Chandrasekharapuram Village	**Sample collected person details : S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
03.03.2026	47.6	34.2	24.1	25.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.03.2026	52.4	35.8	23.8	18.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.03.2026	55.3	24.6	25.6	30.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.03.2026	49.8	32.4	30.4	32.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.03.2026	48.5	30.7	21.9	24.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.03.2026	40.1	25.5	27.3	31.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.03.2026	35.6	29.1	28.4	27.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.03.2026	54.3	26.8	29.3	29.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**35.6**	**24.6**	**21.9**	**18.4**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**55.3**	**35.8**	**30.4**	**32.5**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**48.0**	**29.9**	**26.4**	**27.5**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**55.2**	**35.6**	**30.2**	**32.4**	<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 : 28.02.2027

Instruments Details:
Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2027

K.S.Lag
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TEST REPORT

ISSUED TO:

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

Discipline : Chemical	**Sample Registration Date : 28.03.2026**
Group : Atmospheric Pollution	**Issue Date : 01.04.2026**
Product : Ambient Air Quality Monitoring – MARCH 2026	**Lab Ref : SEPL/ES/SEILP2/AAQ/03-26/0004**
Location : Varakavipudi Village	**Sample collected person details: S. Ganesh**

TEST RESULT

Date Of Sampling	µg/m³				mg/m³	µg/m³				ng/m³		
	PM_{10}	$PM_{2.5}$	SO_2	NO_2	CO	Pb	O_3	NH_3	C_6H_6	BaP	As	Ni
03.03.2026	48.2	21.3	29.4	24.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.03.2026	50.4	24.6	16.3	20.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.03.2026	56.7	29.4	30.7	31.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.03.2026	54.9	31.8	31.8	30.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.03.2026	37.2	30.9	25.9	22.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.03.2026	49.1	32.7	19.7	32.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.03.2026	47.3	21.3	28.4	25.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.03.2026	45.5	25.9	19.3	29.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	**37.2**	**21.3**	**16.3**	**20.4**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	**56.7**	**32.7**	**31.8**	**32.3**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	**48.7**	**27.2**	**25.2**	**27.2**	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	**56.4**	**32.6**	**31.6**	**32.2**	<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 : 28.02.2027

Instruments Detail:
Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2027

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SUMMARY OF AMBIENT AIR QUALITY – MARCH 2026

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM_{10}	Minimum	µg/m³	37.2	30.8	35.6	37.2
	Maximum		55.3	53.4	55.3	56.7
	Average		46.4	44.4	48.0	48.7
	98 Percentile		55.2	52.9	55.2	56.4
$PM_{2.5}$	Minimum		24.5	25.3	24.6	21.3
	Maximum		33.7	40.3	35.8	32.7
	Average		29.1	32.0	29.9	27.2
	98 Percentile		33.6	39.8	35.6	32.6
SO_2	Minimum		23.9	15.9	21.9	16.3
	Maximum		32.8	39.1	30.4	31.8
	Average		28.1	28.1	26.4	25.2
	98 Percentile		32.7	38.4	30.2	31.6
NO_x	Minimum		17.3	15.2	18.4	20.4
	Maximum		32.7	30.8	32.5	32.3
	Average		25.4	24.0	27.5	27.2
	98 Percentile		32.4	30.6	32.4	32.2

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Annexure-XV

SEIL Project-2 Environment Expenditure			
S.No	**Area**	**Particulars**	**Expenses in Rs.**
1	**CHP**	Operations (CHP)	₹ 9,276,447
2		Mechanical Maintnenace	₹ 1,312,059
3		Electrical Maintnenace	₹ 947,100
4		Coal Yard Sprinklers	₹ 2,962,050
5		DFDS System	₹ 413,700
6	**AHP**	Operations	₹ 2,527,000
7		Mechanical Maintnenace	₹ 2,675,355
8		Electrical Maintnenace	₹ 252,261
9		C&I Maintnenance	₹ 37,41,715
10	**Others**	Green Belt	₹ 3,918,828
11		Fly Ash	₹ 10,402,929
12		Haz Waste disposal	₹ 153,056