



SEIL Energy India Limited

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SEIL P2/MoEF&CC/Chennai/2025/002
29th May 2025

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

Sub.: **Submission of Half Yearly Environment Clearance (EC) Compliance Report of SEIL Energy India Limited Project-2 for the period from October 2024 to March 2025**

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

Dear Sir,

As per the provision of Environment Clearance, we hereby submit the half yearly EC compliance status report for the period of October 2024 to March 2025 of SEIL Energy India Limited Project-2, Nellore.

Hope the above is in order.

Thanking you,

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

Gnanadesigan N
Head HSE- SEIL

Encl: As above

Copy To:

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



UNIVERSAL
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Recognised by NABL and
MoEF & CC, GOI, New Delhi.
Certified by ISO 9001: 2015 and
ISO 45001: 2018

Date: 29-05-2025

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

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

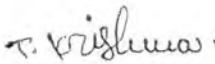
Ref: EC Letter No. J 13012/76/2009–IA.II (T) dated 30.09.2010, amended 18.05.2011

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 2024 to March 2025.

Thanking you,

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


(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

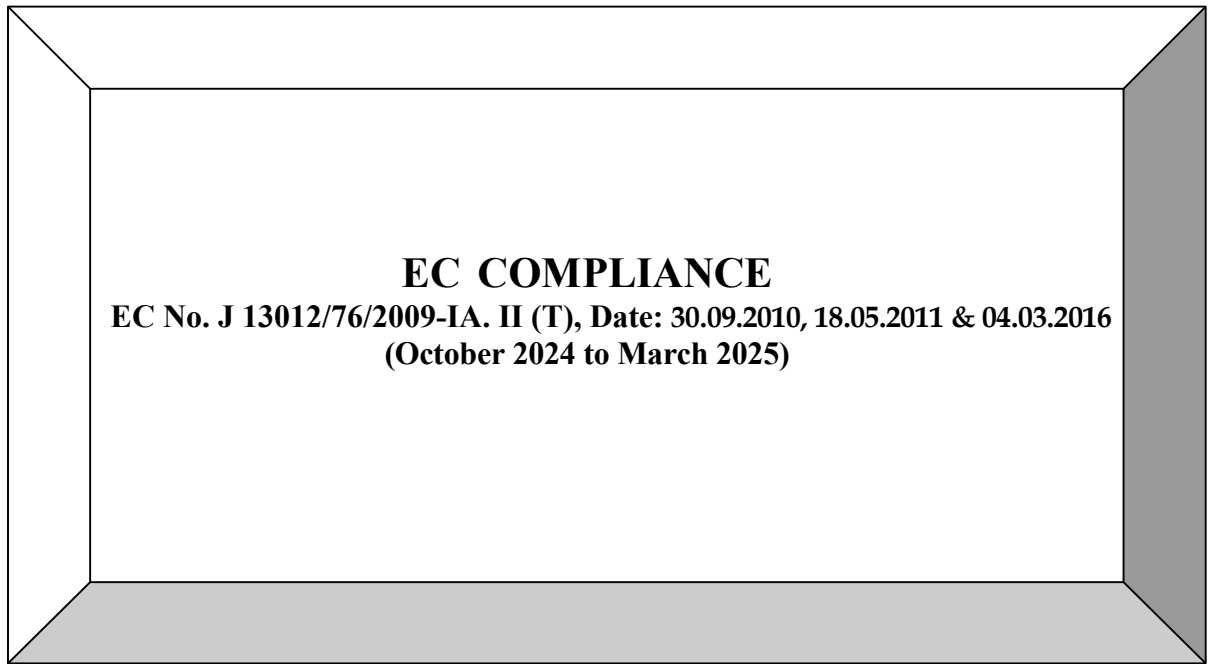
2nd & 3rd Floor, Plot No.28, Road No.1, Phase-1, IDA Mallapur, Hyderabad - 500 076.
Ph: 040-4890 8772, 98480 16854, e-mail: ueal23@gmail.com, www.universalenviro.in

Works: # 140, Ramakrishna Nagar, Opp. IOCL, Chengicherla, Hyderabad - 500 039.

WTP, STP, ETP & ZLD (Supply, O&M) ! POLLUTION TESTING & ANALYSIS ! ENV. AUDIT ! Other Env. Services

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

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



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



Universal Enviro Associates

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

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

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.

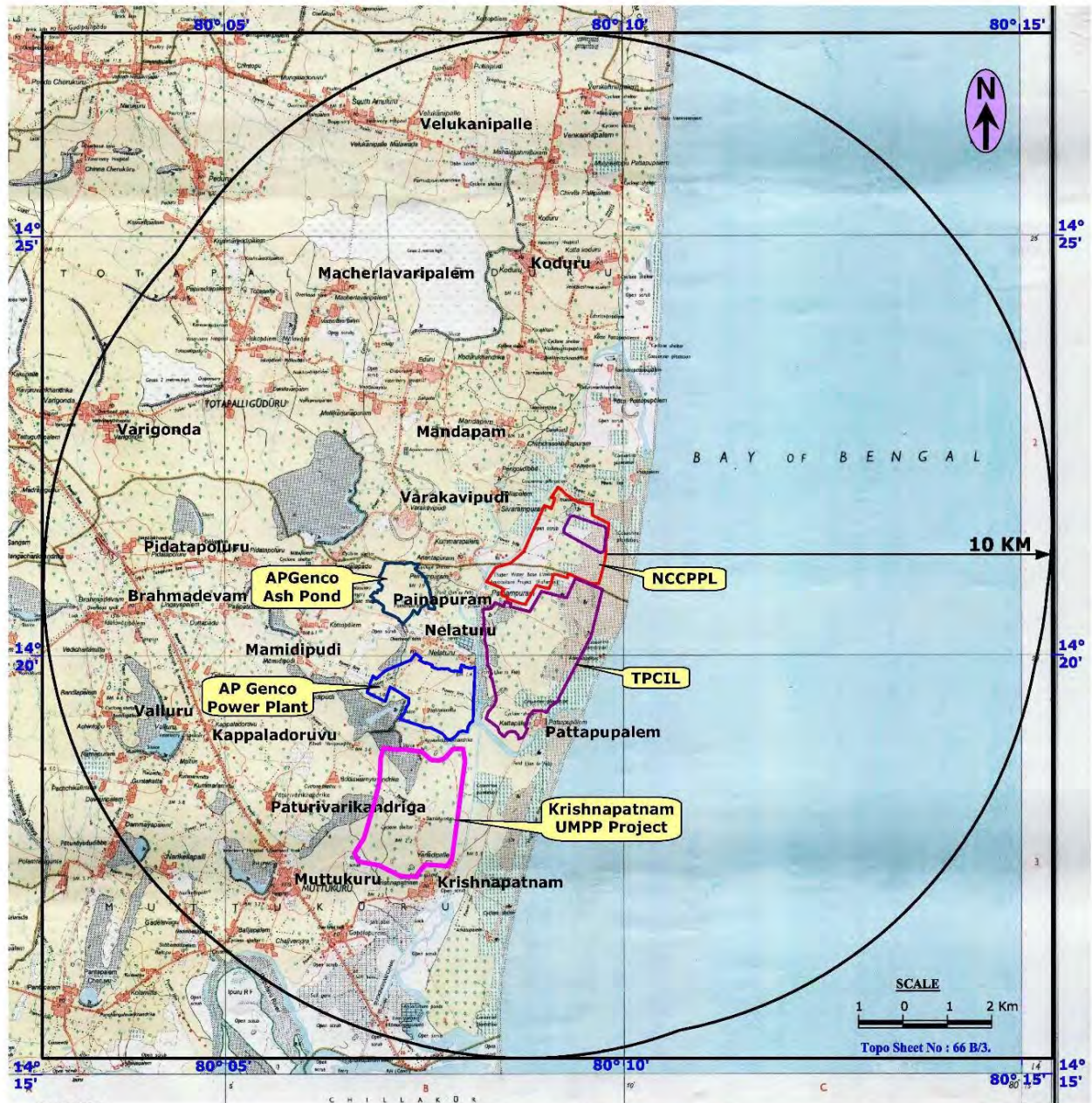
The location map and key map is shown in **Figure-1**. The 10 km radius topographical map around the project is shown in **Figure-2**. The latitude & longitude of North South extremes of Site are 14.350849 & 80.151410 respectively.



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

Roads, metalled according to importance: distance stone unmetalled: do. do. : bridge Cart-track. Pack-track and pass. Foot-path with bridge Bridges: with piers; without. Causeway. Ford or Ferry Streams: with track in bed; undefined. Canal Dams: masonry or rock-filled; earthwork. Weir River banks: shelving; steep; 3 to 6 metres; over 6 metres Submerged rocks. Shoal. Swamp. Reeds Walls: lined; unlined. Tube-well. Spring Embankments: road or rail; tank. Broken ground Railways: broad gauge; double; single with station; under constr. outer gauge: do. : do. with distance stone. do. Mineral line or tramway. Telegraph line. Cutting with tunnel Contours with sub-features. Rocky slopes. Cliffs Sand features: (1) bar. (2) sand-hole. and dune (see note). (3) shifting dune	Towns or Villages: inhabited; deserted. Fort Huts: permanent; temporary. Tower. Antiquities Temple. Chhatri. Church. Mosque. Idgh. Tomb. Graves Lighthouse. Lightship. Boys: lighted; unlighted. Anchorage Mine. Vine on trellis. Grass. Scrub Palms: palmyra; other. Plantain. Conifer. Bamboo. Other trees Boundary: international state: demarcated; undemarcated district; subdivision. tahsil or ciluk; forest pillars: surveyed; unlocated Heights: triangulated; station; points: approximate Bench-mark: geodetic; tertiary; canal Post office. Telegraph office. Combined office. Police station. PD TO PTO P5 Banglows: dk or travellers; inspection. Rest-house Circuit house. Camping ground. Forest: reserved; protected. CH CG RF PF Spaced names: administrative; locality or tribal KIKRI NĀGA
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02. Statutory Approvals/Clearances:

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

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

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

CONDITION WISE COMPLIANCE TO ACCORDED ENVIRONMENT CLEARANCE

S No.	Condition	Compliance
A-Specific Conditions		
i	Environmental clearance is subject to obtaining CRZ clearance (as applicable) for permissible activities in CRZ area.	CRZ clearance obtained from MoEF (F No. 11-44/2011- IA – III dated 9 th April 2012 and amendment on 1 st May 2014).
ii	In case source of fuel supply is to be changed at later stage for the proposed 2x660 MW units now proposed to be run on imported coal from Indonesia, the project proponent shall intimate the Ministry well in advance along with necessary requisite documents for its concurrence for following the change. In such a case the necessary for re-conducting public hearing may be decided by the Ministry in consultation with the Expert Appraisal Committee.	The said condition has been amended as to be read as “Imported shall be now submitted as “Domestic Coal” and imported coal in the ratio 70:30 shall be used as fuel via EC Amendment Letter No. J. 13012/76/2009- IA 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.



M/s. SEIL Energy India Limited Project-2

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


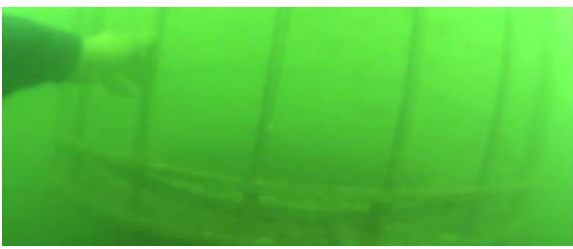
SPSR Nellore (Dist.), Andhra Pradesh.

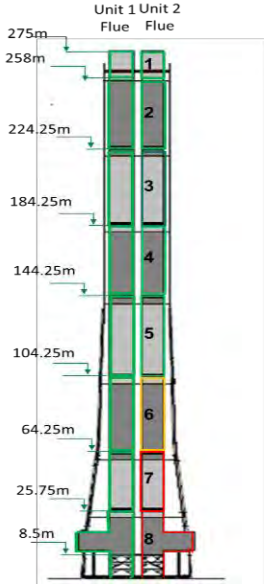
EC No. J 13012/76/2009-IA. II (T), Date: 30.09.2010, 18.05.2011 & 04.03.2016

S No.	Condition	Compliance
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 2024 to March 2025 attached as Annexure- I.
v	The project proponent shall establish at its own costs a Fish Landing Platform, Ice Plant etc. and shall accordingly submit to the Regional Office of the Ministry and the Fishery Department of the State Govt. a detailed plan and implementation schedule. The project proponent shall also prepare an action plan for implementation. Regarding providing sustainable fishing option for fishermen community in the area.	As per the Recommendations of 18 th Meeting of Reconstituted Expert Appraisal Committee (EAC) dated 27 th June, 2018, SEIL Energy India Limited Project-2 have submitted the Socio-economic study and need based assessment study report to MoEF&CC, APPCB on 16 th April 2019 [Ref. No: SEIL Project-2/MoEF/New Delhi/ EC/2019/78].
vi	An endowment of Fishermen Welfare Fund shall be created out of CSR component for specific activities to be finalized within three months for upliftment of the lives of fishing community in the region. Creation of facilities such as Fish Drying Platforms /Ice plant can as mentioned at clause (v) above can form a part of the scheme.	As per the Recommendations of 18 th Meeting of Reconstituted Expert Appraisal Committee (EAC) dated 27 th June, 2018, SEIL Energy India Limited Project-2 have submitted the Socio-economic study and need based assessment study report to MoEF&CC, APPCB on 16 th April 2019 [Ref. No: SEIL Project-2/MoEF/New Delhi/ EC/2019/78].






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

S No.	Condition	Compliance
xi	No waste (effluent) shall be discharged into canal systems, backwaters, marshy areas and the sea (as applicable) without treatment.	<p>Complying.</p> <p>ETP & STP effluent treated water is reused for green belt development and coal yard dust suppression.</p>  <p>ETP & STP Effluent analysis report attached as Annexure-III & Annexure-IV respectively. Marine Outfall effluent analysis report attached as Annexure- II.</p>
xii	The marshy areas in the vicinity (if any) shall not be disturbed.	<p>Complied.</p>
xiii	Intake shall be from deep sea to avoid aggregation of fish and other marine creatures.	<p>Complying.</p> 
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.	<p>Complying.</p>

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.	<p>Complying.</p> <p>Ground water is not being used at SEIL.</p> <p>Periodic hydrogeology studies are carried out for the site and surroundings.</p> <p>Hydrogeology Study is reviewed annually and reports being submitted.</p>
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.	<p>Complied.</p> <p>Online Continuous Emission Monitoring System (CEMS) is in operation for monitoring PM, SO_x, NO_x.</p> <p>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.</p> <p>Stack height of 275m has been provided for wider dispersion of gaseous emissions.</p>  <p>CEMS platform & installation done at 103 m elevation.</p>

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

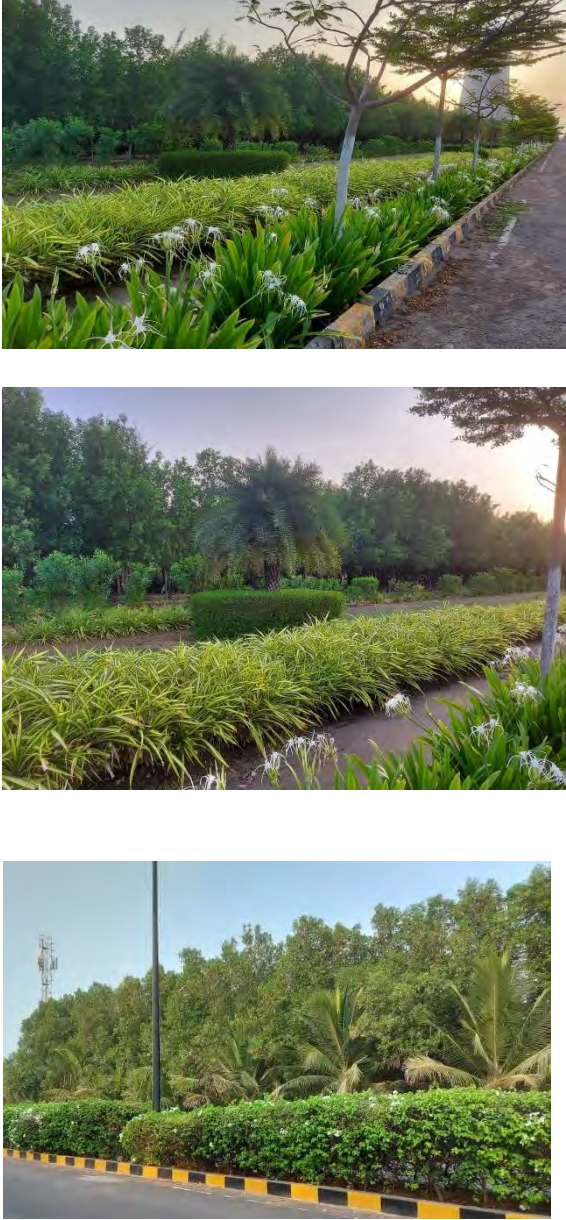
S No.	Condition	Compliance
xxiii	<p>Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Unutilized fly ash shall be disposed-off in the ash pond in the form of high concentration slurry form. Mercury and other. Heavy metals (As, Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond.</p>	<p>Complying.</p> <p>Fly ash dry collection system is in place.</p> <p>Ash Water Recirculation system in operation and treated water is utilized for Coal Handling Plant dust suppression.</p> <p>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.</p> <p>Piezometer Bore wells water level monitoring & analysis is carried out on Quarterly basis. Reports attached as Annexure- IX.</p> 
xxiv	<p>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.</p>	<p>Complied.</p> 

S No.	Condition	Compliance
xxv	For disposal of Bottom Ash (if proposed to be undertaken) in abandoned mines it shall be ensured that the bottom and sides of the mined out areas are adequately lined with clay before Bottom Ash is filled up. The project proponent shall inform the State Pollution Control Board well in advance before undertaking the activity.	As per the MoEF&CC guidelines released F.No. 22-13/2019-IA.III dated 28 th Aug 2019 on “Change in conditions stipulated in the Environmental Clearances of Thermal Power Plants and Coal Mines in line with the Fly Ash Notification and subsequent amendment”. No abandoned mines are available proximity to SEIL. However, SEIL is taking suitable measures to utilize bottom ash in accordance with the above guidelines.
xxvi	Closed cycle cooling system shall be provided. The effluents shall be treated as per the prescribed norms. COC of at least 1.25 shall be adopted.	Complying.
xxvii	Green Belt consisting of 3 tiers of plantations of native species around plant and at least 100 m width shall be raised. Wherever 100 m width is not feasible a 50 m width shall be raised and adequate justification shall be submitted to the Ministry. Tree density shall not less than 2500 per ha with survival rate not less than 75 %.	Complied. An area of 355 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.






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		 <p>The table contains three photographs of landscaping work. The top photo shows a paved path with a curb, bordered by green plants and white flowers. The middle photo shows a garden area with various plants and trees. The bottom photo shows a road with a yellow and black curb, bordered by a green hedge and trees.</p>
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S No.	Condition	Compliance
xxviii	A good action plan for R&R (if applicable) with package for the project affected persons be submitted and implemented as per prevalent R&R policy within three months form the date of issue of this letter.	Not Applicable
xxix	An amount of Rs.27.3 Crores shall be earmarked as one time capital cost for CSR programme. Subsequently a recurring expenditure of Rs.5.5 Crores per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within one month along with road map for implementation.	<p>Complying.</p> <p>CSR implementation reports are submitted along with six monthly reports.</p> <p><u>SEIL Energy India Limited Project-2 status:</u></p> <p>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 2024-25, the company has spent an amount of INR 20.201 Cr and undertaken the following works: CSR Update from October 2024 to March 2025 attached as Annexure-I.</p>  

S No.	Condition	Compliance
xxx	<p>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.</p> <p>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.</p>	<p>Complying.</p> <p>SEIL Energy India Limited strategically focusing on Health, Education and Skill Development Training Programmes across the community.</p>   
xxxii	<p>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.</p>	<p>Complying.</p>

S No.	Condition	Compliance
xxxii	Criteria pollutant levels including NO _x , RSPM, SO _x , (from stack and ambient air) shall be regularly monitored and results displayed in your website and also at the main gate of power plant.	<p>Complying.</p> <p>Main gate display provided. Continuously displayed the stack emissions & ambient quality parameters. Company Website can be accessed by clicking on the below link.</p> <p>https://seilenergy.com/AboutUs/Disclosure</p> 
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.	<p>Environmental Policy is a part of in the QHSE Policy.</p> <p>QHSE Policy Attached as Annexure-X.</p>

S No.	Condition	Compliance
B-General Conditions		
i	<p>The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant.</p> <p>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.</p>	<p>Complying.</p> <p>Separate Storm Water drainage system constructed.</p> <p>ETP & STP outlet water is reused for green belt development and coal yard dust suppression.</p> <p>ETP & STP treated water analysis reports attached as Annexure-III & Annexure-IV respectively.</p> <p>Marine Outfall effluent analysis report attached as Annexure-II.</p>
ii	<p>A sewage treatment plant shall be provided and the treated sewage shall be used for raising greenbelt/ plantation.</p>	<p>Complying.</p> <p>STP is fully operational and STP treated water is used for greenbelt development, Horticulture and fugitive dust suppression.</p> <p>STP treated water analysis reports are attached in Annexure-IV.</p> 

S No.	Condition	Compliance
iii	<p>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.</p>	<p>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.</p> 
iv	<p>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.</p>	<p>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.</p>

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.	<p>Complying.</p> <p>Valid CCOE License attached as Annexure-XII. Emergency Response Plan has been prepared and widely communicated among work force.</p>
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.	<p>Complying.</p> <p>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 analysis reports attached as Annexure- IX.</p>
vii	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	<p>Complied.</p> 

M/s. SEIL Energy India Limited Project-2

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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 SO ₂ , NO _x , RSPM and Hg shall be carried out in the impact zone and records maintained. If, at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.	Complying. Ambient Air Quality Monitoring carried out by MoEF&CC approved Laboratory and Six-monthly reports submitted to APPCB. Reports attached as Annexure- XIV .
x	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied during construction phase.



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://seilenergy.com/AboutUs/Disclosure
xii	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad. / Municipal Corporation, urban local Body and the Local 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://seilenergy.com/AboutUs/Disclosure
xiii	A dedicated Environment management Cell with suitable qualified personnel constituting of Marine Biologist and an ecologist shall be set-up under the control of a Senior Executive who will report directly to the Head of the Organization.	Complying. SEIL has established an Environment Management Cell with suitable qualified personnel under the supervision of Head- HSE who directly reports to the Station level Head.




M/s. SEIL Energy India Limited Project-2

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

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

S No.	Condition	Compliance
xiv	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollution levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	<p>Complying.</p> <p>EC Six monthly compliance reports are being submitted. (Ref: SEILP2/MoEF&CC/Chennai /2024/004 dated 28th November 2024)</p> <p>The reports are uploaded on SEIL website @ https://seilenergy.com/AboutUs/Disclosure</p> 
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.	<p>Complying.</p> <p>EC Six monthly compliance reports are being submitted. (Ref: SEILP2/MoEF&CC/Chennai /2024/004 dated 28th November 2024)</p> <p>The reports are uploaded in SEIL website @ https://seilenergy.com/AboutUs/Disclosure</p>
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.	<p>Complying.</p> <p>(Environment Statement in Form-V submitted to APPCB vide letter No. SEIL P2/ APPCB/ BZA/2024/006 dated 27th September 2024).</p>



S No.	Condition	Compliance
xvii	<p>The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.</p>	<p>Complied.</p> <p>EC Six Monthly Compliance Reports are being submitted.</p> <p>The reports are uploaded in SEIL website @ https://seilenergy.com/AboutUs/Disclosure</p>
xviii	<p>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.</p>	<p>Complied.</p>  <p>The reports were submitted to Ministry during project phase. EIA and EMP are already submitted.</p>

M/s. SEIL Energy India Limited Project-2

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

SPSR Nellore (Dist.), Andhra Pradesh.

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

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



M/s. SEIL Energy India Limited Project-2

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

SPSR Nellore (Dist.), Andhra Pradesh.

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

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



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

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



GREEN BELT/ GREEN COVER DEVELOPMENT IN SITE



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

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



GREEN COVER AROUND PERIPHERY



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

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



GREEN COVER ALONG THE PLANT ROADS



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

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



GREEN COVER ALONG PIPE RACK & INTERNAL ROADS



GREEN COVER INSIDE THE PLANT



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

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



GREEN COVER ALONG MAIN PLANT ROAD



AVENUE PLANTATION



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

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



GREEN COVER NEAR PLANT SERVICE BUILDING



GREEN COVER NEAR SERVICE BUILDING





GREEN COVER IN NORTH EAST AREA



COAL YARD WATER SPRINKLING

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

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



CONTINUOUS AMBIENT AIR QUALITY MONITORING STATION INSIDE THE PLANT

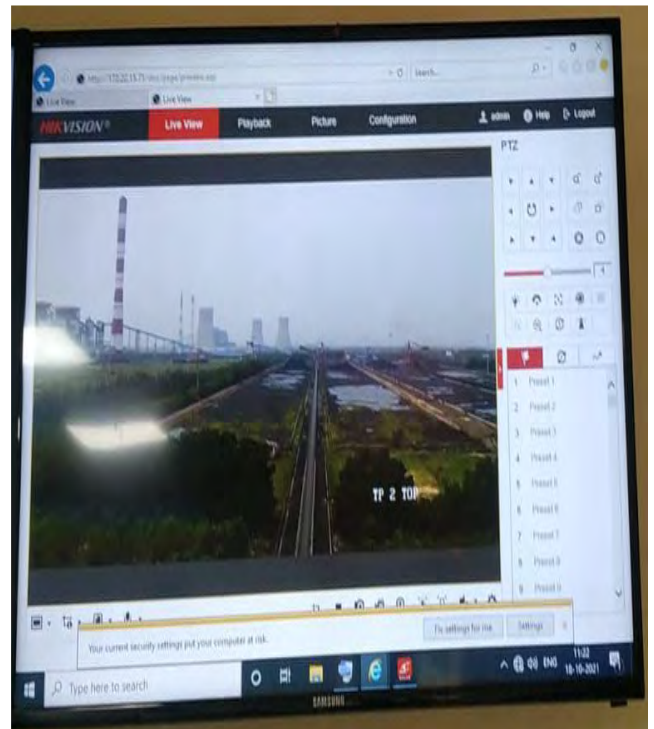


*M/s. SEIL Energy India Limited Project-2
Ananthavaram & Varakavipudi (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.), Andhra Pradesh.*

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



WIND BREAK PLANTATION AROUND COAL YARD



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



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

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



DUST EXTRACTION SYSTEM AT TRANSFER POINTS



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





CSR Updates

HY-2 FY2024-25



ANNEXURE-I



(Telemedicine Center, Audiometry Screening, Mobile Medical Unit)



HEALTH

➤ **Telemedicine Centers MV Palem:** Total beneficiaries:- 2328

- General consultations - 2167
- Specialty Consultations - 161
- Pharmacy -2233; Lab Investigations - 1061

Community Outreach coverage

- Social Health Education Programme – 309 beneficiaries
- Non-Communicable Disease Screenings - 558 beneficiaries.

➤ **Telemedicine Centers Salipeta:** Total beneficiaries:- 1841

- General consultations - 1600
- Specialty Consultations - 89
- Pharmacy – 1646 ; Lab Investigations - 785

Community Outreach coverage

- Social Health Education Programme - 431 beneficiaries
- Non-Communicable Disease Screenings - 707 beneficiaries

➤ **Community Audiometry Camps:** Total beneficiaries:- 8072

- Total Screenings- 8072
- Distribution of Hearing Aids -500

➤ **Mobile Medical Unit:** Total beneficiaries:- 2191 (Activity initiated In the November Month of 2024)

- Male-958, Female-1170, Female Child – 24, Male Child -38 were Covered



Community Audiometry Camps



Mobile Medical Unit

HEALTH AND WELLNESS CENTER - SOCIAL OUTREACH PHOTOS



SOCIAL HEALTH EDUCATION AWARENESS CAMPS

NON COMMUNICABLE DISEASE SCREENING

COMMUNITY EAR SCREENING AND HEARING AID DISTRIBUTION GLIMPSES



MOBILE MEDICAL UNIT - HEALTH SCREENING GLIMPSES



CSR Updates- Education

(Transforming Preprimary Education in Anganwadi Centers)



➤ Transforming Preprimary Education in Anganwadi Centers (Plan India) Progress In the Quarter

Project Completed in 8 Anganwadi Centers benefiting 113 children

- 331 sessions in teaching the English alphabet. This includes education, slate work, and recitation
- 309 sessions were conducted to teach the Telugu alphabet.
- 207 sessions were conducted to teach the Numbers
- 284 Sessions were conducted on identifying shapes
- 16 Pre-Assessment of outcomes of the initiative carried out across all 8 Anganwadi's
- 8Community awareness rallies conducted in the villages
- 8 Mother group meetings conducted
- 8 Low-Cost TLM preparation Awareness conducted to Anganwadi staff and preparation of Low-Cost TLM by mother groups in the sessions



Education



Plan India - SEIL Project AP
Teaching Fruit Names To Children
29.11.2024 14:15
14.3435, 80.06196 (±3m)
Altitude: -60m
83V6+9QV, Bramhadevi, Brahmadevam 524346



Plan India-SEIL PROJECT AP
Counting Numbers By Children
28.11.2024 13:47
14.38403, 80.05084
93M2+Q7X, Varigonda 524311

TRANSFORMATION OF PRE-PRIMARY EDUCATION – ACHEIVEMENTS



- **Construction of New Toilets:** Anganwadi centers are provided by constructing 5 new child-friendly toilets. There were no toilets available before the start of the project and children either go home or openly defecate.



- **Upgradation Of Anganwadi centers:** Anganwadi centers are provided by constructing 5 new child-friendly toilets. There were no toilets available before the start of the project and children either go home or openly defecate.



TRANSFORMATION OF PRE-PRIMARY EDUCATION – ACHEIVEMENTS



- **Improvement In Learning Levels:** 142 children from the beginning of the project across 8 Anganwadi centers have improved learning levels with the support of TLM supported in the project.



- At the start of the project 0% of parents worked on preparation of TLM. At the end of the project, 100% of the parents know how to make Low cost TLM and 78% of parents preparing at Household levels and practicing with children



Play Day Celebrations And Home Visits



Play Day is an innovation in the project which was for the first time implemented in the district and well received by the parents, Women and Child Department. As a result, the **participation of fathers increased by 28 %** in the project in various projects. 100% Home Visits increased regular attendance of children and effectiveness



TRANSFORMATION OF PRE-PRIMARY EDUCATION - TRAINING GLIMPSES



వినూత్న మార్పుకు శ్రీకారం
SPS Nellore District, Andhra
A CSR Initiative of SEIL Energy India Limited



Plan India - SEIL Project AP
Training On Low Cost TLM
22.11.2024 14:53
14.34545, 80.13467 (±4m)
Altitude: -72m
84WP+85, Pynampuram 524344



Plan India - SEIL Project AP
Training On Low Cost TLM
27.11.2024 12:54
14.35132, 80.13291 (±300m)
Altitude: -97m
Ananthapuram Road, Varakavipudi, Ananthapuram 524311



Plan India-SEIL PROJECT AP
Teaching Telugu letters To Children
29.11.2024 10:07
14.38408, 80.05089
93M2+Q7X, Varigonda 524311



Plan India- SEIL Project AP
Training Low Cost TL M
23.11.2024 12:46
14.38534, 80.11267
94P7+2FC, Eduru - II, Eduru - I 524311

CSR Updates – Skill Development



Youth Empowerment Through Make India Capable

Graduate Batches						
SL No	Batch	Centers	Programme	Graduated	Job Joined	Self Employment
1	I	Salipeta	Skill Training	29	23	-
2	II	Salipeta	Skill Training	18	13	-
3	III	Dhanalakshmi Puram	Skill Training	18	10	-
4	IV	South Amuluru	Self Employment Training	20	0	12
Total				85	46	12
Ongoing Batches						
5	V	Dhanalakshipuram	Skill Training	24		
6	VI	Mallikarjunpuram	Self Employment Training	15	-	
Total				39		
Overall				124		

❖ Major employers: **Allset Business Soln, D-Mart, Daikin, CX-India**
Sectors: **BPO, Retail, Manufacturing**

Social Security Scheme Details and Overall Economic Valuation

Scheme Names	Total Annual Value of schemes	# Members Applied	Total Annual Economic Value
Ayushman Bharath Card - BPL	5,00,000	177	8,85,00,000
PM Vishwakarma	1,00,000	127	1,27,00,000
Eshram Card	2,00,000	197	3,94,00,000
ATM Card (Insurance)	2,00,000	5	10,00,000
Total		506	14,16,00,000

Summary:

Households provided social entitlements
Total economic valuation of the schemes connected: **14.16 Cr**


Skill Development

YOUTH AND WOMEN EMPOWERMENT TRAININGS AND GRADUATION DAY EVENT GLIMPSES



SUCCESS STORY:



From Struggles to Success: Likitha' s Journey of Transformation

Likitha E, a young girl from Nellore, struggled with her English and communication skills, affecting her confidence and career prospects. Determined to improve, she joined the 45-day Youth Empowerment Program by SEIL and HHH Foundation. Through structured training, mentorship, and practice, Likitha gained English proficiency and confidence to express herself professionally. The program's supportive environment helped her unlock her potential, transforming her into a capable individual. Her dedication paid off when she secured a job as a Calling Executive at All Set Business Solutions, earning ₹14,000 monthly. Likitha' s inspiring journey highlights the power of perseverance and the right opportunities.



CSR Updates (Decarbonisation)

ON GRID SOLAR PROJECTS AT CHARITABLE HOSPITALS - NELLORE

➤ 250 KWP solar on-grid installations completed at Three Charitable institutions (Jai Bharat Hospital, St Joseph Hospital & Dr. PV Ramachandra Reddy People's Poly Clinic) at Nellore.

SNO	Location	Capacity	Module Description	Inverter Capacity	Module Mounting Structure type	Commercial Model
1	St. Joseph Hospital,	100kWp	186 Nos x 540 Wp	1 x 80 kW	Ballast Type, non-penetrating structure	Net Metering with DISCOM
2	Jaya Bharat Hospital,	50 Kwp	93 Nos x 540 Wp	1 x 40 kW	Anodized Aluminum Rails for mounting over Metal Roof Shed	Net Metering with DISCOM
3	People's Poly Clinic	100 kWp	186 Nos x 540 Wp	1 x 80 kW	Anodized Aluminum Long Rail Structure for mounting over uPVC Roof Sheets	Net Metering with DISCOM

DECARBONISATION
&
OTHERS



ON GRID SOLAR PROJECTS AT CHARITABLE HOSPITALS - NELLORE



JAYABHARAT HOSPITAL – 50 kWp



ST JOSEPH HOSPITAL -100 kWp



PEOPLES POLYCLINIC -100 kWp

Veterinary Camps – ASSET&W

- Three Veterinary camps were conducted at Pynapuram, Gollapalem, Eduru
- A total of 151 Farmers were registered in 3 camps covering treatment and medicine to Cattle 168, Buffaloes 1082, Sheep 1018, Goats 260 and Poultry 1350
- Trevis Installed at Four Locations 1. Gollapalem 2. Veterinary Hospital Eduru 3. Pynapuram Waghartha 4. Pynapuram DH wada



Rural Development



INAGURATION OF TREVIS



DISTRIBUTION OF VETERINARY MEDICINES TO FARMERS

CSR Updates- Health

(Telemedicine Center, Audiometry Screening, Mobile Medical Unit)



HEALTH

➤ **Telemedicine Centers MV Palem:** Total beneficiaries:- 2876

- General consultations - 2337
- Specialty Consultations - 539
- Pharmacy -2850; Lab Investigations - 759

Community Outreach coverage

- Social Health Education Programme – 348 beneficiaries
- Non-Communicable Disease Screenings - 672 beneficiaries.

➤ **Telemedicine Centers Salipeta:** Total beneficiaries:- 2513

- General consultations - 2014
- Specialty Consultations - 499
- Pharmacy – 2472 ; Lab Investigations - 1686

Community Outreach coverage

- Social Health Education Programme – 523 beneficiaries
- Non-Communicable Disease Screenings - 993 beneficiaries

➤ **Community Audiometry Camps:** Total beneficiaries:- 10021

- Total Screenings- 10021
- Distribution of Hearing Aids -759
- Initiative completed in the month of March with total 18081 Screenings and 1440 Hearing aids distributed



Community Audiometry Camps



Mobile Medical Unit



HEALTH

- **Mobile Medical Unit: Total beneficiaries:- 4112**
 - Male-1763, Female-2265, Female Child –39, Male Child -45 were Covered



Mobile Medical Unit

- **CANCER SCREENING - HOMI BHABHA CANCER HOSPITAL AND RESEARCH CENTER**
 - Cases screened for Oral, Cervical and Breast
 - School Awareness Conducted- 6 Numbers
 - International Day of Cancer observed
 - Number of villages sensitization programme conducted -11 Villages in Muthuru and TP Gudur Mandal
 - Number of Villages Screening Conducted -8 Villages in Muthuru and TP Gudur Mandal
 - Numbers Screened -1100 Numbers



Cancer Screening

HEALTH AND WELLNESS CENTER UPDATE (SOCIAL OUTREACH PHOTOS)



GPS Map Camera
Koduru Khandrika, Andhra Pradesh, India
94xv+pgq, Koduru Khandrika, Andhra Pradesh 524311, India
Lat 14.399062° Long 80.144362°
25/02/2025 10:57 AM GMT +05:30



SOCIAL HEALTH EDUCATION AWARENESS CAMPS

NON-COMMUNICABLE DISEASE SCREENING



GPS Map Camera
T.p.gudur Bit-ii, Andhra Pradesh, India
Thotapalli Rd, T.p.gudur Bit-ii, Andhra Pradesh 524311, India
Lat 14.404785° Long 80.08242°
26/02/2025 12:31 PM GMT +05:30



CSR UPDATES

HEALTH AND WELLNESS CENTER SPECIAL MEDICAL CAMPS GLIMPSES



MEGA HEALTH CAMP FOR THE COMMUNITY



CONSULTATION AT THE HEALTH CENTER AND COMMUNITY SCREENING PROGRAMME

CANCER AWARENESS PROGRAMME AT MUTHUKURU



COMMUNITY EAR SCREENING AND HEARING AIDS DISTRIBUTION (GLIMPSES)



MOBILE MEDICAL UNIT - HEALTH SCREENING GLIMPSES



MOBILE MEDICAL UNIT - HEALTH SCREENING GLIMPSES



HEALTH SCREENING IN COMMUNITIES



HOME VISITS OF DOCTOR AND NURSING STAFF TO BEDRIDDEN PATIENTS

CSR Updates – Skill Development



Skill Development

Youth Empowerment Through Make India Capable

- Head Held High (HHH)- 23 persons Completed Youth Empowerment training and 13 numbers have joined for employment in different organizations . 15 Numbers have been provided self employment training on Scented Candle making, Cleaning detergents , liquid soaps, artificial flowers and chocolate making.

Jute Bag Stitching Training Programme

- Training completed for 105 members in the community to date On Jute bag stitching at SEDC



GRADUATION DAY GLIMPSES

Employee Engagement in CSR Initiatives



- 45 numbers from 12 Teams Visited CSR Projects around 118 manhours spent by employees on the CSR Projects and interacted with beneficiaries. Details are provided in the table

SL.No.	Team Lead (Shri)	Name of Project	Team Size	Direct or Partner	Nos of Visit	Total Manhours Spent
1	Shankar Prasad	Health & Wellness Center at MV Palem	3	Apollo Telemedicine	2	4
		Health & Wellness Center at Salipeta	3	Networking Foundation	1	4
2	Rajasekhar Reddy Sammidi	RO Plant (1st cluster - 5 Plants)	2	Direct	1	12
3	Gnanadesigan N	RO Plant (2nd cluster - 4 Plants)	3	Direct	1	12
4	D. Kanakam	Solar & Medical support to Charitable Institution - Jay Bharat Hospital, St Joseph Hospital, Ramachandra Reddy Hospital and Indian Redcross Hospital	6	Direct	2	24
5	BV Srinivas	Training of women on Jute stitching	4	YUVA & Ragapranitha	1	3
6	Prasad Chavare	Plantation Project including Solar Water Pumps installations in VSU	5	Direct	1	12
7	N S Venkatesan	Youth Empowerment Training	3	Head Held High	3	15
8	Shamsundar Aswale	Solar & Physiotherapy support to Nirmala Hriday Bhavan	3	Helpage	1	2
9	D. Shiva Rama Krishna	Mobile Medical Unit	2	Seva mob	1	1
10	Madhav R Bitra	Online Monitoring of CSR Projects	4	Soulace	1	5
11	Brig. Raghu Ram	Solar Street Light in Villages around plant	5	Direct	2	16
12	Sanjeev Kumar	Support for Cancer Project in Nellore District	2	Homibaba Cancer Hospital and Research Center	1	8
Total					18	118

EMPLOYEE ENGAGEMENT GLIMPSES





TEAM VISIT TO CANCER SCREENING PROGRAMME



TEAM VISIT TO JUTE BAG TRAINING PROGRAMME

Thank you





SPECTRA ENVIROTECH PVT LTD

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

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

TEST REPORT

ANNEXURE-II

ISSUED TO: M/s. SEIL ENERGY INDIA LIMITED PROJECT-2 (2x660 MW Coal Based Thermal Power Plant), Near Ananthavaram (V), Thotapalli Gudur (M), SPSR Nellore (Dist.) -524344.	
Discipline: Chemical Group: Water Product: Marine Outfall Water Date of Sampling: 13.11.2024 Sample Collected By: Ganesh	Sample Registration Date: 14.11.2024 Analysis Starting Date: 14.11.2024 Analysis Completed Date: 20.11.2024 Issue Date: 20.11.2024 Lab Ref: SEPL/ES/SEILEILP/11-24/0001

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	pH	IS:3025(Part-11)1983	--	6.5-8.5	6.8
2	Temperature Intake	--	°C	Shall not exceed 5°C above the Receiving temperature	24.4
3	Temperature Out Fall	--	°C		26.8
4	Electric Conductivity	IS: 3025:1964	µs/cm	--	24210
5	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	--	17,759
6	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	100	54
7	Chemical Oxygen Demand	IS:3025(Part-58)-2006	mg/l	250	89
8	Biochemical Oxygen Demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	100	51
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	--	4438
11	Total Alkalinity as CaCO ₃	IS:3025(Part-23)-2012	mg/l	--	669
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	--	1,176
15	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	--	253
16	Sodium as Na	IS:3025(Part-45)1993	mg/l	--	568

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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

S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
17	Potassium as K	IS:3025(Part-45)-1993	mg/l	--	278
18	Chloride as Cl	IS:3025(Part-32)-2012	mg/l	--	7,242
19	Sulphates as SO ₄	IS:3025(Part-24)-2012	mg/l	--	765
20	Nitrates as NO ₃	IS:3025(Part-34)-2012	mg/l	--	43.6
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	--	466
23	Iron as Fe	IS:3025(Part-53)-2012	mg/l	--	5.0
24	Fluoride as F	IS:3025(Part-60)-2012	mg/l	--	1.9
25	Copper as Cu	IS:3025(Part-42)-2012	mg/l	--	0.80
26	Manganese as Mn	IS:3025(Part-59)-2012	mg/l	--	0.56
27	Phenolic Compounds as C ₆ H ₅ OH	IS:3025(Part-43)-2012	mg/l	--	<0.005
28	Cadmium as Cd	IS:3025(Part-41)-2012	mg/l	2.0	<0.005
29	Mercury as Hg	IS:3025(Part-48)-2012	mg/l	0.01	<0.001
30	Selenium as Se	IS:3025(Part-56)-2012	mg/l	--	<0.005
31	Arsenic as As	IS:3025(Part-37)-2012	mg/l	0.2	<0.01
32	Cyanide as CN	IS:3025(Part-27)-2012	mg/l	--	<0.01
33	Lead as Pb	IS:3025(Part-47)-2012	mg/l	2.0	<0.01
34	Zinc as Zn	IS:3025(Part-49)-2012	mg/l	--	0.51
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	--	0.002
37	Silica as SiO ₂	IS:3025(Part-35)-2019	mg/l	--	38.4

Note: IS- Indian Standard

K.S.Lal
Verified by



P. Suresh K.
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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 Group: Water Product: Marine Outfall Water (Fish Bio-Assay Test) Date of Sampling: 13.11.2024 Sample Collected By: Ganesh	Sample Registration Date: 14.11.2024 Analysis Starting Date: 14.11.2024 Analysis Completed Date: 20.11.2024 Issue Date: 20.11.2024 Lab Ref: SEPL/ES/SEILEILP/11-24/0002

TEST RESULT

TEST SPECIES	SOURCE OF ORGANISM	LENGTH & WEIGHT (For Fish)	REMARKS
Zebra Fish	Through vendors	1. Length 4.5 cm 2. Weight 3.7 gm	1. Fish were not fed <u>Yes</u> 2. Temperature range in aquarium 26°C

REFERENCE TEST DATA

START DATE: 14.11.2024 END DATE: 20.11.2024
COMMENTS:
The test species were undergone toxicity for about 96 Hrs. RESULT: 97% survival of fish was noticed

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

K.S.Laj
Verified by



P. Suresh W.
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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 Group: Water Product: Marine Outfall Water Date of Sampling: 18.02.2025 Sample Collected By: S .Ganesh	Sample Registration Date: 19.02.2025 Analysis Starting Date: 19.02.2025 Analysis Completed Date: 25.02.2025 Issue Date: 25.02.2025 Lab Ref: SEPL/ES/SEILEILP/02-25/0001

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	pH	IS:3025(Part-11)1983	--	6.5-8.5	7.5
2	Temperature Intake	--	°C	Shall not exceed 5°C above the Receiving temperature	25.3
3	Temperature Out Fall	--	°C		27.6
4	Electric Conductivity	IS: 3025:1964	µs/cm	--	24356
5	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	--	17,769
6	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	100	51
7	Chemical Oxygen Demand	IS:3025(Part-58)-2006	mg/l	250	85
8	Biochemical Oxygen Demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	100	49
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	--	4446
11	Total Alkalinity as CaCO ₃	IS:3025(Part-23)-2012	mg/l	--	665
12	P- Alkalinity as CaCO ₃	IS:3025(Part-13)-1964	mg/l	--	Nil
13	Turbidity	IS:3025(Part-10)-2012	NTU	--	5.5
14	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	--	1,183
15	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	--	255
16	Sodium as Na	IS:3025(Part-45)1993	mg/l	--	564

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S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
17	Potassium as K	IS:3025(Part-45)-1993	mg/l	--	282
18	Chloride as Cl	IS:3025(Part-32)-2012	mg/l	--	7,246
19	Sulphates as SO ₄	IS:3025(Part-24)-2012	mg/l	--	758
20	Nitrates as NO ₃	IS:3025(Part-34)-2012	mg/l	--	41.4
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	--	458
23	Iron as Fe	IS:3025(Part-53)-2012	mg/l	--	4.8
24	Fluoride as F	IS:3025(Part-60)-2012	mg/l	--	1.7
25	Copper as Cu	IS:3025(Part-42)-2012	mg/l	--	0.76
26	Manganese as Mn	IS:3025(Part-59)-2012	mg/l	--	0.62
27	Phenolic Compounds as C ₆ H ₅ OH	IS:3025(Part-43)-2012	mg/l	--	<0.005
28	Cadmium as Cd	IS:3025(Part-41)-2012	mg/l	2.0	<0.005
29	Mercury as Hg	IS:3025(Part-48)-2012	mg/l	0.01	<0.001
30	Selenium as Se	IS:3025(Part-56)-2012	mg/l	--	<0.005
31	Arsenic as As	IS:3025(Part-37)-2012	mg/l	0.2	<0.01
32	Cyanide as CN	IS:3025(Part-27)-2012	mg/l	--	<0.01
33	Lead as Pb	IS:3025(Part-47)-2012	mg/l	2.0	<0.01
34	Zinc as Zn	IS:3025(Part-49)-2012	mg/l	--	0.51
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	--	36.7

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: 18.02.2025 Sample Collected By: Ganesh	Sample Registration Date: 19.02.2025 Analysis Starting Date: 19.02.2025 Analysis Completed Date: 25.02.2025 Issue Date: 25.02.2025 Lab Ref: SEPL/ES/SEILEILP/02-25/0002

TEST RESULT

TEST SPECIES	SOURCE OF ORGANISM	LENGTH & WEIGHT (For Fish)	REMARKS
Zebra Fish	Through vendors	1. Length 4.5 cm 2. Weight 3.8 gm	1. Fish were not fed <u>Yes</u> 2. Temperature range in aquarium 27°C

REFERENCE TEST DATA

START DATE: 19.02.2025 END DATE: 25.02.2025
COMMENTS:
The test species were undergone toxicity for about 96 Hrs. RESULT: 97% survival of fish was noticed

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

K.S.Laj
Verified by



P. Suresh K.
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TEST REPORT

ANNEXURE-III

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: ETP OUTLET (Treated Effluent)

Date of Monitoring: 13.11.2024

Sample Collected By: Ganesh

Sample Registration Date: 14.11.2024

Analysis Starting Date: 14.11.2024

Analysis Completed Date: 20.11.2024

Issue Date: 20.11.2024

Lab Ref: SEPL/ES/SEILEILP/11-24/0002

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	7.3
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	2100	376
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	200	65
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	250	38
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	100	30
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0

Note: IS- Indian Standard

K.S.Laj
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Praveesh W.
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TEST REPORT

ISSUED TO:

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

Discipline: Chemical

Group: Water

Product: ETP OUTLET (Treated Effluent)

Date of Monitoring: 18.02.2025

Sample Collected By: Ganesh

Sample Registration Date: 19.02.2025

Analysis Starting Date: 19.02.2025

Analysis Completed Date: 25.02.2025

Issue Date: 25.02.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0002

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	7.4
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	2100	283
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	200	61
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	250	35
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	100	33
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	10	<1.0

Note: IS- Indian Standard

K.S. Raj
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TEST REPORT

ANNEXURE-IV

ISSUED TO: M/s. SEIL ENERGY INDIA LIMITED PROJECT-2 (2x660 MW Coal Based Thermal Power Plant), Near Ananthavaram(V),Thotapalli Gudur (M), SPSR Nellore (Dist.) -524344.	
Discipline: Chemical Group: Water Product: STP OUTLET Date of Monitoring: 13.11.2024 Sample Collected By: Ganesh	Sample Registration Date: 14.11.2024 Analysis Starting Date: 14.11.2024 Analysis Completed Date: 20.11.2024 Issue Date: 20.11.2024 Lab Ref: SEPL/ES/SEILEILP/11-24/0002

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	7.2
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	<2100	185
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	<200	57
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	24
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	<10	<1.0

Note: IS-Indian Standard

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TEST REPORT

ISSUED TO: M/s. SEIL ENERGY INDIA LIMITED PROJECT-2 (2x660 MW Coal Based Thermal Power Plant), Near Ananthavaram (V), Thotapalli Gudur (M), SPSR Nellore (Dist.) -524344.	
Discipline: Chemical Group: Water Product: STP OUTLET Date of Monitoring: 18.02.2025 Sample Collected By: S. Ganesh	Sample Registration Date: 19.02.2025 Analysis Starting Date: 19.02.2025 Analysis Completed Date: 25.02.2025 Issue Date: 25.02.2025 Lab Ref: SEPL/ES/SEILEILP/02-25/0002

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARD	RESULTS
1.	pH	IS:3025(Part-11)1983	--	5.5-9.0	7.2
2.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	<2100	189
3.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	<200	54
4.	Chemical Oxygen Demand	IS:3025(Part-58)-1986	mg/l	<250	69
5.	Biochemical Oxygen Demand (5 days at 20°C)	IS:3025(Part-44)-1993	mg/l	<100	28
6.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	<10	<1.0

Note: IS-Indian Standard

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TEST REPORT

ANNEXURE-V

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- NOVEMBER 2024

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

Date of Monitoring: 13.11.2024

Sample Registration Date: 14.11.2024

Analysis Starting Date: 14.11.2024

Analysis Completed Date: 20.11.2024

Issue Date: 20.11.2024

Lab Ref: SEPL/ES/SEILEILP/11-24/0001

TEST RESULT

1. Time of Sampling ---- : 10:20 Hrs. to 11:15 Hrs.
2. Time Duration : 00:55 Hrs.
3. Ambient Temperature (°C) : 33.8
4. Flue gas Temperature (°C) : 146
5. Velocity of the flue gas (m/sec) : 24.71
6. C/s area of the duct (m²) : 44.17
7. Stack Diameter (m) : 7.5
8. Flue gas Flow Rate (Nm³/hr) : 3929186.52

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm ³	< 50	37.4
2.	Sulphur Dioxide (SO ₂)	IS 11255 (part-2)1985	mg/Nm ³	-	643
3.	Oxides of Nitrogen (NO _x)	IS 11255 (part-7)1985	mg/Nm ³	350	214
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	< 0.01

Instrument Details:

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

K.S.Laj
Verified by



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Managing Director

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

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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- NOVEMBER 2024

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

Date of Monitoring: 13.11.2024

Sample Registration Date: 14.11.2024

Analysis Starting Date: 14.11.2024

Analysis Completed Date: 20.11.2024

Issue Date: 20.11.2024

Lab Ref: SEPL/ES/SEILEILP/11-24/0002

TEST RESULT

1. Time of Sampling ---- : 11:25 Hrs. to 12:25 Hrs.
2. Time Duration : 01:00 Hrs.
3. Ambient Temperature (°C) : 34.2
4. Flue gas Temperature (°C) : 145
5. Velocity of the flue gas (m/sec) : 24.82
6. C/s area of the duct (m³) : 44.17
7. Stack Diameter (m) : 7.5
8. Flue gas Flow Rate (Nm³/hr) : 3946677.84

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm ³	< 50	36.6
2.	Sulphur Dioxide (SO ₂)	IS 11255 (part-2)1985	mg/Nm ³	-	985
3.	Oxides of Nitrogen (NO _x)	IS 11255 (part-7)1985	mg/Nm ³	350	268
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.2
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm ³	0.03	<0.01

Instrument Details:

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

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P. Praveesh W.
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TEST REPORT

ISSUED TO:

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

Group: Atmospheric Pollution

Product: Stack Emission Monitoring- FEBRUARY 2025

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

Date of Monitoring: 18.02.2025

Sample Registration Date: 19.02.2025

Analysis Starting Date: 19.02.2025

Analysis Completed Date: 25.02.2025

Issue Date: 25.02.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0001

TEST RESULT

1. Time of Sampling ---- : 10:15 Hrs. to 11:15 Hrs.
2. Time Duration : 01:00 Hrs.
3. Ambient Temperature (°C) : 34.1
4. Flue gas Temperature (°C) : 149
5. Velocity of the flue gas (m/sec) : 24.64
6. C/s area of the duct (m³) : 44.17
7. Stack Diameter (m) : 7.5
8. Flue gas Flow Rate (Nm³/hr) : 3940317.36

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm ³	< 50	32.9
2.	Sulphur Dioxide (SO ₂)	IS 11255 (part-2)1985	mg/Nm ³	-	756
3.	Oxides of Nitrogen (NO _x)	IS 11255 (part-7)1985	mg/Nm ³	350	246
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.2
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm ³	0.03	< 0.01

Instrument Details:

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

K.S.Laj
Verified by



Pavesh K.
Authorized by
Managing Director

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

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-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- FEBRUARY 2025

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

Date of Monitoring: 18.02.2025

Sample Registration Date: 19.02.2025

Analysis Starting Date: 19.02.2025

Analysis Completed Date: 25.02.2025

Issue Date: 25.02.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0002

TEST RESULT

1. Time of Sampling ---- : 11:25 Hrs. to 12:15 Hrs.
2. Time Duration : 00:55 Hrs.
3. Ambient Temperature (°C) : 34.7
4. Flue gas Temperature (°C) : 151
5. Velocity of the flue gas (m/sec) : 24.68
6. C/s area of the duct (m³) : 44.17
7. Stack Diameter (m) : 7.5
8. Flue gas Flow Rate (Nm³/hr) : 3956218.56

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Particulate Matter (PM)	IS 11255 (part-1)1985	mg/Nm ³	< 50	27.3
2.	Sulphur Dioxide (SO ₂)	IS 11255 (part-2)1985	mg/Nm ³	-	842
3.	Oxides of Nitrogen (NO _x)	IS 11255 (part-7)1985	mg/Nm ³	350	237
4.	Carbon Monoxide (CO)	NSPS Test Method-10	ppm	-	1.3
5.	Mercury as Hg	State of California Air Resources Board, Method10A	mg/Nm ³	0.03	<0.01

Instrument Details:

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

K.S.Laj
Verified by



P. Praveesh W.
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Managing Director

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TEST REPORT

ANNEXURE-VI

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Water

Product: **Heavy Metal Analysis of Coal- NOVEMBER 2024**

Sample Location: Coal Feeder#1

Date of Monitoring: 13.11.2024

Sample Collected By: Ganesh

Sample Registration Date: 14.11.2024

Analysis Starting Date: 14.11.2024

Analysis Completed Date: 20.11.2024

Issue Date: 20.11.2024

Lab Ref: SEPL/ES/SEILEILP/11-24/0001

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.59
2	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	ppm	0.2	<0.02
3	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	1.32
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.66

Note: USEPA- United States Environmental Protection Agency

K.S.Laj
Verified by



P. Suresh K.
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Managing Director

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

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TEST REPORT

ISSUED TO:

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

Discipline: Chemical

Group: Water

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

Sample Location: Coal Feeder#2

Date of Monitoring: 18.02.2025

Sample Collected By: S. Ganesh

Sample Registration Date: 19.02.2025

Analysis Starting Date: 19.02.2025

Analysis Completed Date: 25.02.2025

Issue Date: 25.02.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0001

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.55
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	1.36
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.61

Note: USEPA- United States Environmental Protection Agency

K.S. Jay
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Managing Director

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TEST REPORT

ANNEXURE-VII

ISSUED TO: M/s. SEIL ENERGY INDIA LIMITED PROJECT-2 (2x660 MW Coal Based Thermal Power Plant), Near Ananthavaram (V), Thotapalli Gudur (M), SPSR Nellore (Dist.) -524344.	
Discipline: Chemical Group: Water Product: Heavy Metal Analysis of Fly Ash- NOVEMBER 2024 Date of Monitoring: 13.11.2024 Sample Collected By: Ganesh	Sample Registration Date: 14.11.2024 Analysis Starting Date: 14.11.2024 Analysis Completed Date: 20.11.2024 Issue Date: 20.11.2024 Lab Ref: SEPL/ES/SEILEILP/11-24/0001

TEST RESULT

S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.49
2	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	Ppm	0.2	<0.05
3	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.58
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.73

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- NOVEMBER 2024 Date of Monitoring: 13.11.2024 Sample Collected By: Ganesh	Sample Registration Date: 14.11.2024 Analysis Starting Date: 14.11.2024 Analysis Completed Date: 20.11.2024 Issue Date: 20.11.2024 Lab Ref: SEPL/ES/SEILEILP/11-24/0002

TEST RESULT

S.NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.72
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	0.51
4.	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.69

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 Fly Ash- FEBRUARY 2025

Date of Monitoring: 18.02.2025

Sample Collected By: S. Ganesh

Sample Registration Date: 19.02.2025

Analysis Starting Date: 19.02.2025

Analysis Completed Date: 25.02.2025

Issue Date: 25.02.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0001

TEST RESULT

S. No	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.44
2	Mercury as Hg	USEPA-3050B Dec-1996(Rev.2)	Ppm	0.2	<0.05
3	Chromium as Cr	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.52
4	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	Ppm	5.0	0.71

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- FEBRUARY 2025 Date of Monitoring: 18.02.2025 Sample Collected By: S. Ganesh	Sample Registration Date: 19.02.2025 Analysis Starting Date: 19.02.2025 Analysis Completed Date: 25.02.2025 Issue Date: 25.02.2025 Lab Ref: SEPL/ES/SEILEILP/02-25/0002

TEST RESULT

S. NO	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS	RESULTS
1.	Arsenic as As	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.71
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	0.56
4.	Lead as Pb	USEPA-3050B Dec-1996(Rev.2)	ppm	5.0	0.99

Note: USEPA- United States Environmental Protection Agency

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TEST REPORT

ANNEXURE-VIII

ISSUED TO:

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

Discipline: Chemical

Group: Wastewater

Sample Location: **Ash Pond Effluent Water**

Date of Monitoring: **14.11.2024**

Sample Collected By: S. Ganesh

Sample Registration Date: **15.11.2024**

Analysis Starting Date: **15.11.2024**

Analysis Completed Date: **21.11.2024**

Issue Date: **21.11.2024**

Lab Ref: **SEPL/ES/SEILEILP/11-24/0001**

TEST RESULT

S.NO	TEST PARAMETERS	UNIT	TEST METHOD	STANDARD	RESULT
1.	pH	---	IS:3025(Part-11)1983	6.5-8.5	7.5
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	69
5.	Chemical Oxygen Demand (COD)	mg/l	IS:3025(Part-58)-2006	250	57
6.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	mg/l	IS:3025(Part-44)-1993	100	46
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. Jay
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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: Waste water Sample Location: Ash Pond Effluent Water Date of Monitoring: 18.02.2025 Sample Collected By: Ganesh	Sample Registration Date: 19.02.2025 Analysis Starting Date: 19.02.2025 Analysis Completed Date: 25.02.2025 Issue Date: 25.02.2025 Lab Ref: SEPL/ES/SEILEILP/02-25/0001

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	76
5.	Chemical Oxygen Demand (COD)	mg/l	IS:3025(Part-58)-2006	250	51
6.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	mg/l	IS:3025(Part-44)-1993	100	32
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.Laj
Verified by



P. Suresh N.
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Managing Director

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

ANNEXURE-IX

ISSUED TO: M/s. SEIL ENERGY INDIA LIMITED PROJECT-2 (2x660 MW Coal Based Thermal Power Plant), Near Ananthavaram (V), Thotapalli Gudur (M), SPSR Nellore (Dist.) -524344.	
Discipline: Chemical Group: Water Product: Water Location-1: Piezo Well No-1- Water – North East Side (PW-1) Location-2: Piezo Well No-2-Water– South East Side (PW-2) Date of Monitoring: 13.11.2024	Sample Registration Date: 14.11.2024 Analysis Starting Date: 14.11.2024 Analysis Completed Date: 20.11.2024 Issue Date: 20.11.2024 Lab Ref: SEPL/ES/SEILEILP/11-24/0001 Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-1	PW-2
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.6	7.4
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.1	1.0
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.2	0.3
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,212	1,178
5	Temperature	--	°C	--	--	32.9	31.9
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	36	42
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	362	298
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	174	164
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	132	168
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	49.3	36.8
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	26.3	22.3
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	--	--	168	175
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	89	96
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	163	131
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	24	21
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	171	152

K.S.Laj
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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	59.5	76.4
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	28.4	35.8
21	Chemical Oxygen Demand	IS3025(P-58)2006	mg/l	--	--	<5.0	<5.0
22	Biochemical Oxygen Demand (3 days at 27°C)	IS3025(P-44)1993	mg/l	--	--	<3.0	<3.0
23	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.02	0.03
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.62	0.76
25	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	<0.01	<0.01
26	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
27	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
28	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
29	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
30	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
31	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
32	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
33	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
34	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<0.01	<0.01
35	Total Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.01	<0.01
36	Aluminium as Al	IS3025(P-55)2003	mg/l	0.5	1.0	<0.01	<0.01
37	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
38	Dissolved Oxygen	IS3025(P-38)1989	mg/l	--	--	4.7	4.3
39	Oil & Grease	IS3025(P-39)2021	mg/l	--	--	<1.0	<1.0
40	Phosphates as PO ₄	IS3025(P-31)1998	mg/l	--	--	<0.01	<0.01
41	Percent Sodium	IS3025(P-45)1993	%	--	--	19.6	24.8
42	E-Coli	ISO 9308-1	Per/100ml	Absent/100 ml	Absent/100 ml	Absent	Absent
43	Total Coliforms	ISO 9308-1	Per/100ml	Absent/100 ml	Absent/100 ml	Absent	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/100ml	--	--	Absent	Absent

K.S.Laj
Verified by



P. Suresh N.
Authorized by
Managing Director

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

TEST REPORT

ISSUED TO: M/S. SEIL ENERGY INDIA LIMITED PROJECT-2 (2x660 MW Coal Based Thermal Power Plant), Near Ananthavaram (V), Thotapalli Gudur (M), SPSR Nellore (Dist.) -524344.	
Discipline: Chemical Group: 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: 13.11.2024	Sample Registration Date: 14.11.2024 Analysis Starting Date: 14.11.2024 Analysis Completed Date: 20.11.2024 Issue Date: 20.11.2024 Lab Ref: SEPL/ES/SEILEILP/11-24/0002 Sample Collected By: 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	7.6
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0	1.1
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.2	0.3
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,382	1,335
5	Temperature	--	°C	--	--	39.9	24.8
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	54	46
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	232	176
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	156	189
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	169	155
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	58	71
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	21	28
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	--	--	154	149
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	126	120
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	136	148
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	27	66
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	134	119

K.S. Jay
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Praveesh W.
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Managing Director

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-3	PW-4
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	41.4	46.5
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	34.3	32.9
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	0.11	0.19
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.69	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 ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
28	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
29	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
30	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
31	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
32	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
33	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
34	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<0.01	<0.01
35	Total Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.01	<0.01
36	Aluminium as Al	IS3025(P-55)2003	mg/l	0.5	1.0	<0.01	<0.01
37	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
38	Dissolved Oxygen	IS3025(P-38)1989	mg/l	--	--	4.7	4.1
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	%	--	--	34.1	31.8
42	E-Coli	ISO 9308-1	Per/100ml	Absent/100 ml	Absent/100 ml	Absent	Absent
43	Total Coliforms	ISO 9308-1	Per/100ml	Absent/100 ml	Absent/100 ml	Absent	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/100ml	--	--	Absent	Absent

K.S.Laj
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P. Praveesh W.
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TEST REPORT

ISSUED TO: M/S. SEIL ENERGY INDIA LIMITED PROJECT-2 (2x660 MW Coal Based Thermal Power Plant), Near Ananthavaram (V), Thotapalli Gudur (M), SPSR Nellore (Dist.) -524344.	
Discipline: Chemical Group: Water Product Water Location-5: Piezo Well No-5- Water –Near CAAQMS (PW-5) Date of Monitoring: 13.11.2024	Sample Registration Date: 14.11.2024 Analysis Starting Date: 14.11.2024 Analysis Completed Date: 20.11.2024 Issue Date: 20.11.2024 Lab Ref: SEPL/ES/SEILEILP/11-24/0003 Sample Collected By: Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	PW-5
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.1
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.2
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,469
5	Temperature	--	°C	--	--	32.4
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	61
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	379
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	165
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	136
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	54
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	23
12	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	<0.1
13	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	<0.1
14	Calcium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	157
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	112
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	152
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	83
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	194

K.S.Laj
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Praveesh W.
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Managing Director

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	PW-5
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	44.4
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	31.3
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	0.12
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.47
25	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	<0.01
26	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1
27	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001
28	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001
29	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001
30	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01
31	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01
32	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01
33	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01
34	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<0.01
35	Total Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.01
36	Aluminium as Al	IS3025(P-55)2003	mg/l	0.5	1.0	<0.01
37	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01
38	Dissolved Oxygen	IS3025(P-38)1989	mg/l	--	--	5.2
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	%	--	--	26.8
42	E-Coli	ISO 9308-1	Per/100ml	Absent/100 ml	Absent/100 ml	Absent
43	Total Coliforms	ISO 9308-1	Per/100ml	Absent/100 ml	Absent/100 ml	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/100ml	--	--	Absent

K.S.Laj
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Praveesh W.
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TEST REPORT

ISSUED TO: M/s. SEIL ENERGY INDIA LIMITED PROJECT-2 (2x660 MW Coal Based Thermal Power Plant), Near Ananthavaram (V), Thotapalli Gudur (M), SPSR Nellore (Dist.) -524344.	
Discipline: Chemical Group: Water Product: Water Location-1: Piezo Well No-1- Water – North East Side (PW-1) Location-2: Piezo Well No-2- Water– South East Side (PW-2) Date of Monitoring: 18.02.2025	Sample Registration Date: 19.02.2025 Analysis Starting Date: 19.02.2025 Analysis Completed Date: 25.02.2025 Issue Date: 25.02.2025 Lab Ref: SEPL/ES/SEILEILP/02-25/0001 Sample Collected By: S. Ganesh

TEST RESULT

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-1	PW-2
1	pH	IS3025(P-11)2021	--	6.5- 8.5	No Relaxation	7.1	7.5
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0	1.1
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.1	0.2
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,295	1,126
5	Temperature	--	°C	--	--	37.4	35.2
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	31	46
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	358	385
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	172	161
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	146	178
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	42.5	31.2
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	24.2	21.8
12	Free Residual Chlorine	IS3025(P-26)1986	mg/l	0.2	No Relaxation	<0.1	<0.1
13	Boron as B	IS3025(P-57)2021	mg/l	0.5	1.0	<0.1	<0.1
14	Calcium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	175	162
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	81	92
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	174	139
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	29	25
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	165	156

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-1	PW-2
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	61.7	72.6
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	25.5	31.4
21	Chemical Oxygen Demand	IS3025(P-58)2006	mg/l	--	--	<5.0	<5.0
22	Biochemical Oxygen Demand (3 days at 27°C)	IS3025(P-44)1993	mg/l	--	--	<3.0	<3.0
23	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.03	0.01
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.59	0.68
25	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	<0.01	<0.01
26	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
27	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
28	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
29	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
30	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
31	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
32	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
33	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
34	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<0.01	<0.01
35	Total Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.01	<0.01
36	Aluminium as Al	IS3025(P-55)2003	mg/l	0.5	1.0	<0.01	<0.01
37	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
38	Dissolved Oxygen	IS3025(P-38)1989	mg/l	--	--	5.1	4.5
39	Oil & Grease	IS3025(P-39)2021	mg/l	--	--	<1.0	<1.0
40	Phosphates as PO ₄	IS3025(P-31)1998	mg/l	--	--	<0.01	<0.01
41	Percent Sodium	IS3025(P-45)1993	%	--	--	17.2	21.2
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.Laj
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Praveesh W.
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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: 18.02.2025	Sample Registration Date: 19.02.2025 Analysis Starting Date: 19.02.2025 Analysis Completed Date: 25.02.2025 Issue Date: 25.02.2025 Lab Ref: SEPL/ES/SEILEILP/02-25/0002 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	7.2	7.3
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0	1.0
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.1	0.2
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,374	1,358
5	Temperature	--	°C	--	--	35.2	27.4
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	51	42
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	238	171
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	145	152
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	161	149
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	54	46
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	23	27
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	--	--	151	153
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	125	111
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	125	131
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	24	69
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	142	125

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS	
				ACCEPTABLE	PERMISSIBLE	PW-3	PW-4
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	45.6	49.1
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	34.1	30.5
21	Chemical Oxygen Demand	IS3025(P-58)2006	mg/l	--	--	<5.0	<5.0
22	Biochemical Oxygen Demand (3 days at 27°C)	IS3025(P-44)1993	mg/l	--	--	<3.0	<3.0
23	Iron as Fe	IS3025(P-53)2003	mg/l	<0.3	No Relaxation	0.04	0.12
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.62	0.84
25	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	<0.01	<0.01
26	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1	<0.1
27	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001	<0.001
28	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001	<0.001
29	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001	<0.001
30	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01	<0.01
31	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01	<0.01
32	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01	<0.01
33	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01	<0.01
34	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<0.01	<0.01
35	Total Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.01	<0.01
36	Aluminium as Al	IS3025(P-55)2003	mg/l	0.5	1.0	<0.01	<0.01
37	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01	<0.01
38	Dissolved Oxygen	IS3025(P-38)1989	mg/l	--	--	5.0	4.5
39	Oil & Grease	IS3025(P-39)2021	mg/l	--	--	<1.0	<1.0
40	Phosphates as PO ₄	IS3025(P-31)1998	mg/l	--	--	<0.01	<0.01
41	Percent Sodium	IS3025(P-45)1993	%	--	--	31.5	33.2
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.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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





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: 18.02.2025	Sample Registration Date: 19.02.2025 Analysis Starting Date: 19.02.2025 Analysis Completed Date: 25.02.2025 Issue Date: 25.02.2025 Lab Ref: SEPL/ES/SEILEILP/02-25/0003 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	7.5
2	Color	IS3025(P-04)2021	Hazen	1.0	5.0	1.0
3	Turbidity	IS3025(P-10)1984	NTU	1.0	5.0	0.3
4	Electric Conductivity	IS3025(P-14)2013	µs/cm	--	--	1,456
5	Temperature	--	°C	--	--	33.2
6	Total Suspended Solids	IS3025(P-17)1984	mg/l	--	--	65
7	Total Dissolved Solids	IS3025(P-16)1984	mg/l	500	2000	285
8	Total Hardness as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	172
9	Total Alkalinity as CaCO ₃	IS3025(P-23)1986	mg/l	200	600	146
10	Calcium as Ca	IS3025(P-40)1991	mg/l	75	200	51
11	Magnesium as Mg	IS3025(P-40)1991	mg/l	30	100	20
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	--	--	163
15	Magnesium Hardness as CaCO ₃	IS3025(P-40)1991	mg/l	--	--	115
16	Sodium as Na	IS3025(P-45)1993	mg/l	--	--	146
17	Potassium as K	IS3025(P-45)1993	mg/l	--	--	81
18	Chloride as Cl	IS3025(P-32)1988	mg/l	250	1000	188

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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





SPECTRA ENVIROTECH PVT LTD

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

S. NO.	TEST PARAMETERS	TEST METHOD	UNITS	STANDARDS AS PER IS:10500		RESULTS
				ACCEPTABLE	PERMISSIBLE	
19	Sulphates as SO ₄	IS3025(P-24)1986	mg/l	200	400	47.9
20	Nitrates as NO ₃	IS3025(P-34)1988	mg/l	45	No Relaxation	35.5
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	0.62
24	Fluoride as F	IS3025(P-60)2008	mg/l	<1.0	<1.5	0.35
25	Copper as Cu	IS3025(P-42)1992	mg/l	<0.05	<1.5	<0.01
26	Manganese as Mn	IS3025(P-59)2006	mg/l	<0.1	<0.3	<0.1
27	Phenolic Compounds as C ₆ H ₅ OH	IS3025(P-43)1992	mg/l	<0.001	<0.002	<0.001
28	Cadmium as Cd	IS3025(P-41)1992	mg/l	<0.003	No Relaxation	<0.001
29	Mercury as Hg	IS3025(P-48)1994	mg/l	<0.001	No Relaxation	<0.001
30	Selenium as Se	IS3025(P-56)2003	mg/l	<0.01	No Relaxation	<0.01
31	Total Arsenic as As	IS3025(P-37)1988	mg/l	<0.01	<0.20	<0.01
32	Cyanide as CN	IS3025(P-27)1986	mg/l	<0.05	No Relaxation	<0.01
33	Lead as Pb	IS3025(P-47)1994	mg/l	<0.01	No Relaxation	<0.01
34	Zinc as Zn	IS3025(P-49)1994	mg/l	<5.0	<15	<0.01
35	Total Chromium as Cr ⁺⁶	IS3025(P-52)2003	mg/l	<0.05	<1.0	<0.01
36	Aluminium as Al	IS3025(P-55)2003	mg/l	0.5	1.0	<0.01
37	Pesticides	As per STP	mg/l	--	No Relaxation	<0.01
38	Dissolved Oxygen	IS3025(P-38)1989	mg/l	--	--	5.1
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	%	--	--	21.3
42	E-Coli	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent
43	Total Coliforms	ISO 9308-1	Per/ 100ml	Absent/ 100 ml	Absent/ 100 ml	Absent
44	Fecal Coliforms	IS-1622-1981	MPN/ 100ml	--	--	Absent

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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





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:

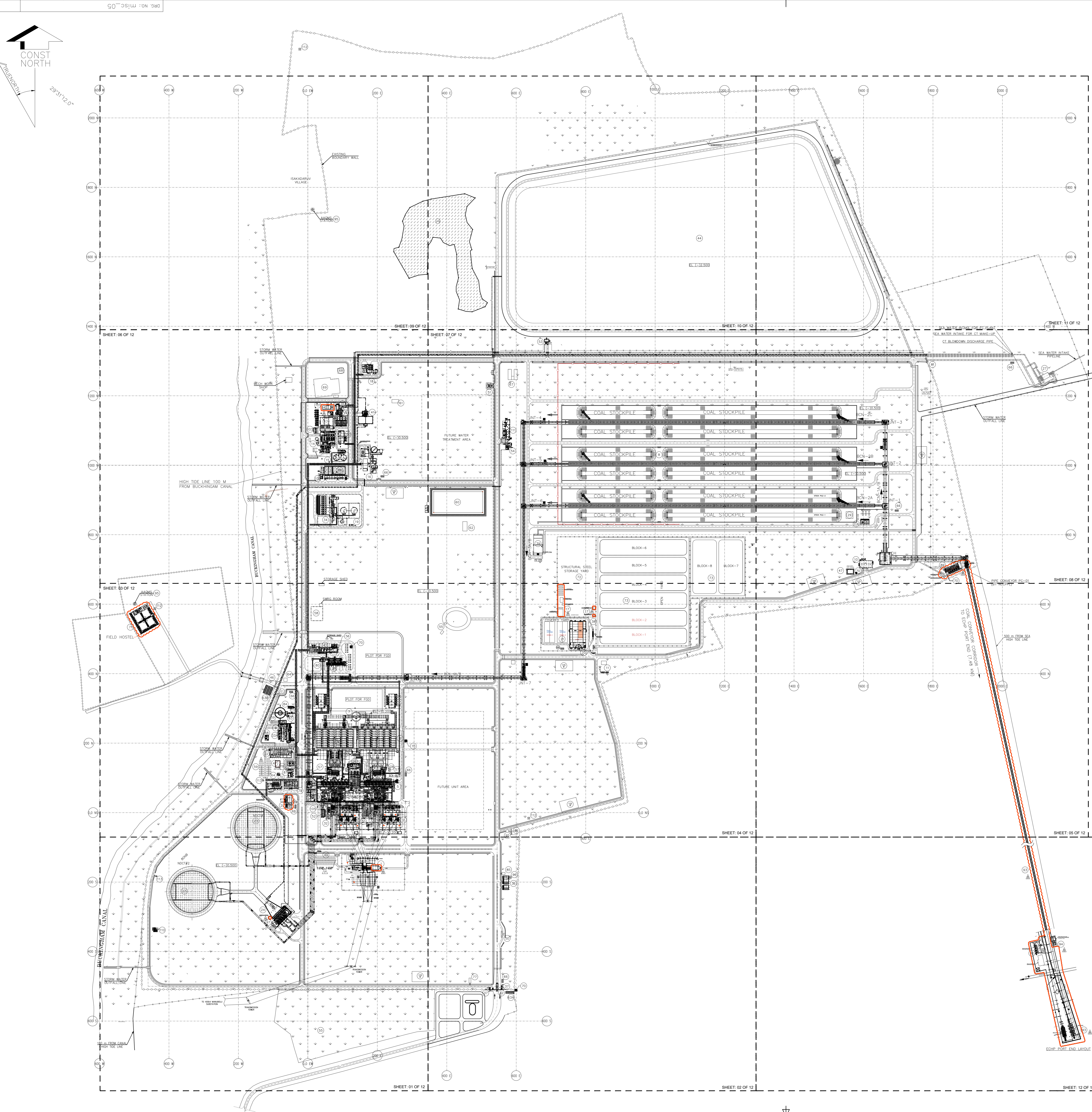
- provide safe and healthy work environment and empower employees and stakeholders involved in its operations.
- provide a framework for setting HSE objectives to ensure zero harm and excellence in its operations and benchmark with the best of peer plants.
- ensure compliance to legal, regulatory, statutory 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.
- optimisation of use of natural resources, protect the environment and minimising emissions, effluents, and waste, thereby promoting sustainability.
- continually improve occupational Health, Wellbeing, Safety, and Environment Management Systems through systematic use of skills & technologies.
- foster a culture of active collaboration to achieve interdependent safety culture and wellbeing of stakeholders.
- Include compliance to 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.

A handwritten signature in blue ink, appearing to read 'Raghav Trivedi', is written over a light blue circular stamp.

May 23rd, 2023

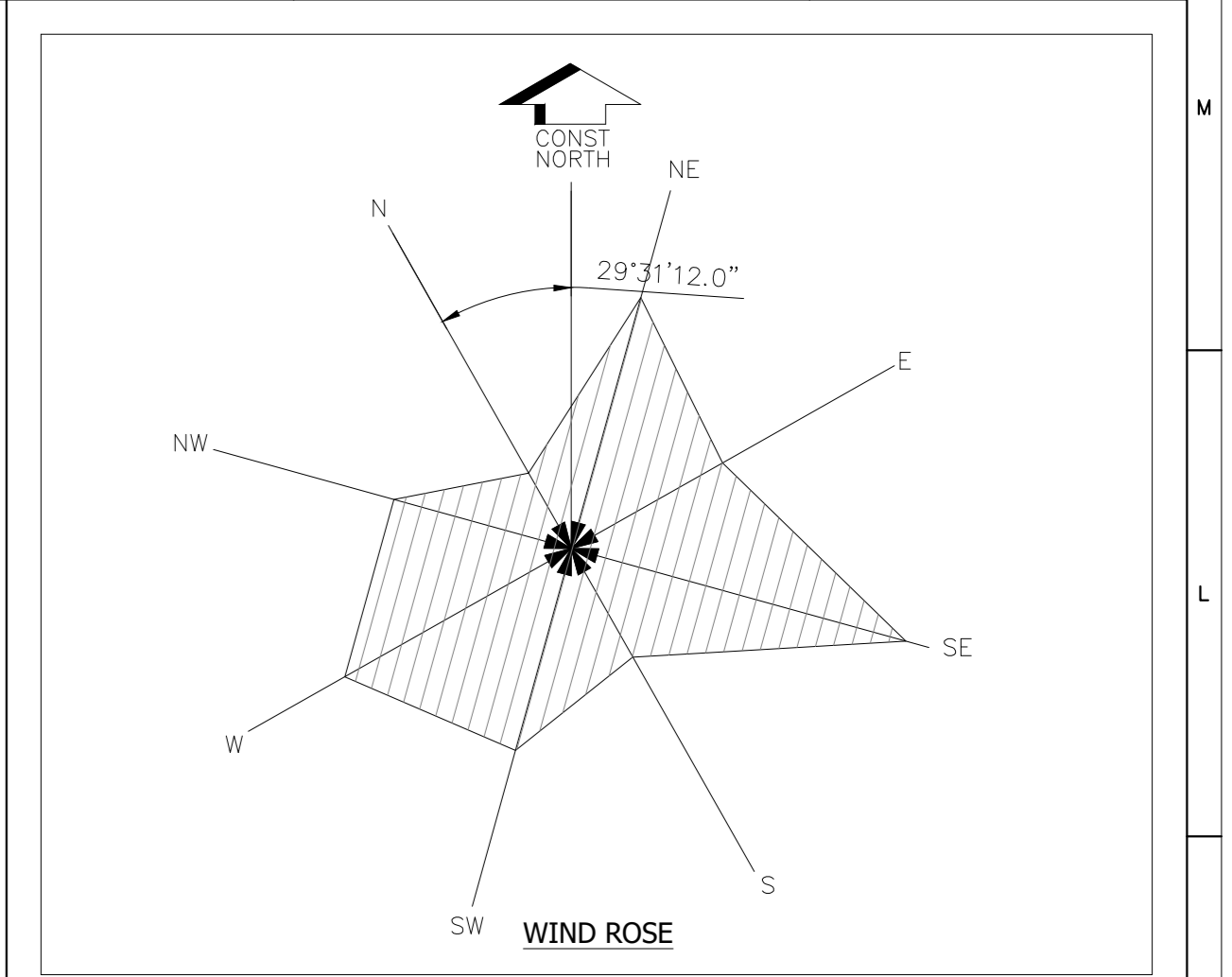
Raghav Trivedi
Chief Executive Officer



ANNEXURE-XI

LIST OF BUILDING/EQUIPMENT

Sl.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	106.8x60-2Nos	25292.00
7	STACK	8x8	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	778.52
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 4,6x9 & 6x4	13.00
18	FOOD STORAGE AREA	29.6x7.5,11.6x15.7	212.00
19	CANTEEN-1	65x65	-
20	CANTEEN-2	32.2x17.9,10x8.6	72.02
21	COVERED STORAGE YARD	30x40-2Nos	-
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	5200.54
33A	COMMON ELECTRICAL ROOM FOR AHS COMPR. HOUSE & ASH WATER P.H.	17x41	-
34	H.F.O./L.O.D UNLOADING/FORWARDING P/H	80x65	683.1
35	CHEMICAL HOUSE	30.5x7.5	9.36
36	FIRE STATION	21x12.5,12x12.5	100.00
37	SECURITY POST	-	-
38	WEIGH BRIDGE CONTROL ROOM	4x4	3.0
39	COAL RUN-OFF & TREATMENT AREA	58.5x25	20.0
40	SERVICE BUILDING	34.5x24	103.75
41	TRANSIT BLOWDOWN TANK & PUMP HOUSE	14.5x9,40x20	1778.28
42	MAIN GATE COMPLEX (SOUTH SIDE)	4.5x22	14.0
43	H.C.S.D PUMP HOUSE CUM SILO UTILITY BLDG	2.8x3.6-2Nos	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	9,13x5.8	124.7
54	DUST SUPPRESSION PUMP HOUSE	12.5x16	564.14
55	TEMPLE	5x5	-
56	AGITATOR RETENTION TANK	Ø6-3Nos	442.36
57	MILL REJECT SILO	Ø5-2Nos	-
58	SUBSTATION FOR CONSTRUCTION POWER (DECOMMISSIONED)	-	-
59	CONTRACTORS CABINS	-	-
60	CONSTRUCTION WATER STORAGE POND	162x60	-
61	WTP EPC STORES	5x15	-
62	ELECTRICAL MATERIAL STORAGE SHED	12x27	-
63A	TWO WHEELER PARKING SHED (NEAR MAIN GATE)	17.5x5	-
63B	TWO WHEELER PARKING SHED (NEAR WEST GATE)	18x30	-
64	SECURITY RECORD ROOM	-	-
66	ASSEMBLY POINTS	-	-
67	MECH & ELEC MATERIAL STORAGE SHED	27x30	-
68	NCC OFFICE	17x14	-
69	SITE OFFICE	72x52	-
70	TOILETS	-	-
71	FIELD HOSTEL & CRECHE	88x58	13.0
72	STRUCTURAL STEEL STORAGE YARD	-	-
73	OPEN STORAGE YARD	-	-
77	IR DEPARTMENT OFFICE	6x15	3.0
78	N2,CO2 & O2 STORAGE AREA	18x10	-
79	CPU REGENERATION	38x18	377.61
80	BOTTOM ASH SILO	Ø30	-
81	GATE-3 (EAST SIDE)	Ø12 EACH-3Nos	-
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	4396.66
93	ECHP COAL PIPE CONVEYING SYSTEM	44x10.5	-
94	PORT END ECHP FIRE WATER PUMP HOUSE AND STORAGE TANK	13x24	234.00
95	AGMS STATION - 3 Nos	-	-
96	WEATHER STATION - 1 No	-	-
97	CHEMICAL STORAGE SHED NEAR CWP	-	-
100	WTP LABORATORY BUILDING	35x15	-
101	WTP LABORATORY BUILDING	30x11	-
102	CHEMICAL HOUSE FOR REFIN 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 SLUMP PIT	4x3	40.21
108	SLUMP 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	-
113	SIP 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	-
117	JNT-1 TO TO AND CRUSHER HOUSE	-	18129.92
	TOTAL IN HP		246578.90



LEGEND:

PRESENT UNIT : FENCE :

FUTURE UNIT : PLANT BOUNDARY WALL :

PIPE RACK : RAIL TRACK :

SLEEPER WAY : GREEN BELT :

PROPERTY LIMIT : PAVED AREA :

OUT FALL : OF FLY ASH PIPE RACK :

FLY ASH SLEEPER WAY : FLY ASH SLEEPER WAY :

ASSEMBLY POINTS

S.No	Location	REF.BLDG.No.
I	MAIN GATE	42
II	SERVICE BUILDING	40
III	WEST GATE NEAR ASH SILO	46
IV	WAREHOUSE	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 (+)3000 REFERS TO RL (+) 4000 FROM MSL WHICH CORRESPONDS TO FINISHED FLOOR LEVEL (FFL) OF MAIN POWER HOUSE BUILDING & FG. CORRESPONDS TO EL(+)-30.500.

03. GREEN BELT AREA IS 315 ACRE AFTER CONSTRUCTION IS COMPLETED.

FOR FACTORY INSPECTOR APPROVAL

Sl.No	DATE	DESCRIPTION	BY	MEC	ELE	CIV	CAE	SES	APPD
8	01.09.21	REVISED AS PER SITE MODIFICATIONS AND SUBMIT FOR FACTORY INSPECTOR APPROVAL	VNK						BVSR
7	05.05.19	REVISED AS PER SITE MODIFICATIONS AND SUBMIT FOR FACTORY INSPECTOR APPROVAL	VNK	BHARAT	BV SRINIVAS				BR
6	19-JAN-16	REVISED AS MARKED & ISSUED FOR REF	---	TSSP	CVS	NSS	BAB	---	SUB
5	18-MAR-15	ISSUED FOR CONSTRUCTION	PND	JPA	MIT	CK	AYA	---	CK
4	14-FEB-14	ISSUED FOR CONSTRUCTION	SPA	AH	MIT	CK	AYA	---	SCH
3	09-APR-13	ISSUED FOR CONSTRUCTION	SPA	AH	PPL	ANG	CRK	---	SCH
2	24-AUG-12	ISSUED FOR CONSTRUCTION	SPA	AH	PPL	ANG	CRK	---	SCH
1	08-JUN-12	REVISED AS PER NON DTD. 01.06.12	SPA	AH	PPL	ANG	CRK	---	SCH

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

DESIGN	DATE	NAME	TITLE
DESIGN	---	---	---
DRAWN	01-SEP-20	VNK	
CHECKED	11-MAR-19	BVSR	
APPROVED	11-MAR-19	RM	L&T-S&L DRG. NO.: 1658000-UC07-00-ZEN-1102001
			REV. 08
			NCC DRG. NO.: NP10111-PE-C-GA-200100-001
			REV. 08
FILE NAME	drawing_filename	SCALE:	1:4000
		SHEET:	01 OF 01

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A0 (1189mm x 841mm) 50/100



भारत सरकार

Government of India

वाणि और उ ाग म ालय

Ministry of Commerce & Industry

पेटोलियम तथा वि ोटक सुर ा संगठन (पैसो)

Petroleum & Explosives Safety Organisation (PESO)

डोर न. ७-२०-१३, किरलामपुडी लेआउट

विशाखाप नम- 530017

Door No. 7-20-13,

Kirlampudi Layout,

Visakhapatnam - 530017

ANNEXURE-XII

E-mail : dyccevizag@explosives.gov.in

Phone/Fax No : 0891-2722257

सं. T/No. : P/HQ/AP/15/4066 (P340586)

दिनांक /Dated : 01/01/2024

सेवा म.
/To,

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

विषय /Sub : Survey No, 85, NA, Sivaramapuram, Thotapalligudur, Taluka: Thotapalligudur, District: NELLORE, State: Andhra Pradesh, PIN: 524344 म. ाथत वि ान पेटोलियम वग. 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 ामांक 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 सेपालन 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/Visakhapatnam

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
(प्रथम अनुसूची का अनुच्छेद 6 देखें)
FORM XV
(see Article 6 of the First Schedule)

**अधिष्ठापनों में पेट्रोलियम के आयात और भंडारण के लिए अनुमति
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION**

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

फीस (Fee Rs.) **77500/-** per year

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

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

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

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

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

August 25, 2015

For Chief Controller of Explosives
HQ, Nagpur

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

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

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

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

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

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

नवीनीकरण के पंक्तिन के लिए थान
SPACE FOR ENDORSEMENT OF RENEWALS

पेट्रोलियम अधिनियम, १९३४ के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुच्छेद की शर्तों का उल्लंघन न होने की दशा में यह अनुच्छेद 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	समाप्ति की तारीख Date of Expiry of license	अनुज्ञापन अधिकारी के हस्ता 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 Visakhapatnam
2).	12/12/2018	31/12/2023	Sd/- J. Sarkar Dy. Chief Controller of Explosives Visakhapatnam
3).	01/01/2024	31/12/2028	S. K. Bhole Controller of Explosives For Dy. Chief Controller of Explosives Visakhapatnam

यदि अनुच्छेद परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाए जाते हैं और जिन नियमों और शर्तों के अधीन यह अनुच्छेद मंजूर की गई है उनमें से किसी का उल्लंघन होने की दशा में यह अनुच्छेद रद्द की जा सकती है और अनुच्छेद धारी प्रथम अपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और दोषक या 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, दण्डनीय 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.



SPECTRA ENVIROTECH PVT LTD

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

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

TEST REPORT

ANNEXURE-XIII

ISSUED TO:

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

Group: Atmospheric Pollution
Product: Noise Monitoring (24 Hrs.)- NOVEMBER 2024
Sampling Location-1: Main Gate

Sample Registration Date: 14.11.2024
Issue Date: 20.11.2024
Lab Ref: SEPL/ES/SEILEILP/11-24/0001

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	13.11.2024	00:00	40.4
2		01:00	37.7
3		02:00	33.6
4		03:00	30.5
5		04:00	36.1
6		05:00	41.9
7		06:00	56.6
8		07:00	43.0
9		08:00	33.4
10		09:00	49.2
11		10:00	46.7
12		11:00	53.8
13		12:00	54.5
14		13:00	54.1
15		14:00	48.4
16		15:00	50.9
17		16:00	46.4
18		17:00	59.3
19		18:00	46.6
20		19:00	60.5
21		20:00	40.2
22		21:00	46.7
23		22:00	41.2
24		23:00	33.8

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

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010
Serial No : 11180097640
Calibration Due : 28.02.2025

K.S.Laj
Verified by



P. Suresh W.S.
Authorized by
Managing Director

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

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

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





SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

ISSUED TO:

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

Group: Atmospheric Pollution
Product: Noise Monitoring (24 Hrs.)- NOVEMBER 2024
Sampling Location-2: BTG Area

Sample Registration Date: 14.11.2024
Issue Date: 20.11.2024
Lab Ref: SEPL/ES/SEILEILP/11-24/0002

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	13.11.2024	00:00	36.4
2		01:00	36.8
3		02:00	33.1
4		03:00	33.9
5		04:00	34.5
6		05:00	32.7
7		06:00	40.4
8		07:00	53.6
9		08:00	44.2
10		09:00	50.8
11		10:00	51.1
12		11:00	49.3
13		12:00	51.5
14		13:00	49.3
15		14:00	53.4
16		15:00	44.2
17		16:00	45.5
18		17:00	57.9
19		18:00	45.3
20		19:00	47.4
21		20:00	48.3
22		21:00	43.6
23		22:00	42.1
24		23:00	38.3

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 : 28.02.2025

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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

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

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





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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-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.)- NOVEMBER 2024
Sampling Location-3: Coal Handling Plant

Sample Registration Date: 14.11.2024
Issue Date: 20.11.2024
Lab Ref: SEPL/ES/SEILEILP/11-24/0003

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	13.11.2024	00:00	34.6
2		01:00	35.9
3		02:00	44.1
4		03:00	36.9
5		04:00	33.5
6		05:00	31.4
7		06:00	46.8
8		07:00	54.5
9		08:00	43.8
10		09:00	41.6
11		10:00	44.7
12		11:00	55.1
13		12:00	51.9
14		13:00	45.6
15		14:00	51.4
16		15:00	55.1
17		16:00	48.2
18		17:00	45.3
19		18:00	48.3
20		19:00	44.7
21		20:00	41.3
22		21:00	49.0
23		22:00	53.2
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 : 28.02.2025

K.S.Laj
Verified by



P. Suresh K.
Authorized by
Managing Director

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

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

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





SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-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.)- NOVEMBER 2024
Sampling Location-4: Varakavipudi Village

Sample Registration Date: 14.11.2024
Issue Date: 20.11.2024
Lab Ref: SEPL/ES/SEILEILP/11-24/0004

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	13.11.2024	00:00	25.7
2		01:00	33.2
3		02:00	36.1
4		03:00	31.4
5		04:00	27.6
6		05:00	31.5
7		06:00	39.6
8		07:00	34.3
9		08:00	41.7
10		09:00	46.2
11		10:00	39.1
12		11:00	43.4
13		12:00	46.7
14		13:00	43.8
15		14:00	50.6
16		15:00	47.5
17		16:00	44.6
18		17:00	42.2
19		18:00	43.5
20		19:00	40.2
21		20:00	36.0
22		21:00	31.3
23		22:00	40.8
24		23:00	38.3

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 : 11180097641
Calibration Due : 28.02.2025

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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

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





SPECTRA ENVIROTECH PVT LTD

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

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

TEST REPORT

ISSUED TO:

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

Group: Atmospheric Pollution
Product: Noise Monitoring (24 Hrs.)- NOVEMBER 2024
Sampling Location-5: Sivaramapuram Village

Sample Registration Date: 14.11.2024
Issue Date: 20.11.2024
Lab Ref: SEPL/ES/SEILEILP/11-24/0005

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	13.11.2024	00:00	32.7
2		01:00	33.3
3		02:00	30.5
4		03:00	31.9
5		04:00	29.5
6		05:00	30.6
7		06:00	46.2
8		07:00	44.9
9		08:00	37.1
10		09:00	35.5
11		10:00	43.2
12		11:00	44.4
13		12:00	42.9
14		13:00	36.1
15		14:00	35.2
16		15:00	44.8
17		16:00	42.9
18		17:00	48.1
19		18:00	46.2
20		19:00	40.9
21		20:00	38.5
22		21:00	34.4
23		22:00	31.2
24		23:00	27.7

CPCB Standards (Residential Area)

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

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010
Serial No. : 11180097642
Calibration Due : 28.02.2025

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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

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

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





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.

Group: Atmospheric Pollution
Product: Noise Monitoring (24 Hrs.)- NOVEMBER 2024
Sampling Location-6: Chandrasekharapuram Village

Sample Registration Date: 14.11.2024
Issue Date: 20.11.2024
Lab Ref: SEPL/ES/SEILEILP/11-24/0006

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	13.11.2024	00:00	30.2
2		01:00	29.5
3		02:00	29.3
4		03:00	32.6
5		04:00	28.5
6		05:00	32.9
7		06:00	36.6
8		07:00	42.0
9		08:00	45.2
10		09:00	43.5
11		10:00	50.0
12		11:00	49.4
13		12:00	47.2
14		13:00	43.9
15		14:00	39.1
16		15:00	31.4
17		16:00	46.2
18		17:00	42.5
19		18:00	48.3
20		19:00	44.0
21		20:00	39.1
22		21:00	45.3
23		22:00	34.7
24		23:00	29.1

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. : 11180097643
Calibration Due : 28.02.2025

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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

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





SPECTRA ENVIROTECH PVT LTD

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

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Group: Atmospheric Pollution

Product: Noise Monitoring (24 Hrs.)- NOVEMBER 2024

Date of Sampling: 13-11-2024

Sample Registration Date: 14.11.2024

Issue Date: 20.11.2024

Lab Ref: SEPL/ES/SEILEILP/11-24/0007

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	30.5	32.7	31.4	25.7	27.7	28.5
Maximum	60.5	57.9	55.1	50.6	48.1	50.0
Average	45.2	44.3	45.1	39.2	37.8	39.2

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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

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

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





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TEST REPORT

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

Group: Atmospheric Pollution

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

Sampling Location-1: Main Gate

Sample Registration Date: 19.02.2025

Issue Date: 25.02.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0001

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	18.02.2025	00:00	43.8
2		01:00	34.2
3		02:00	31.7
4		03:00	28.9
5		04:00	41.3
6		05:00	45.7
7		06:00	54.9
8		07:00	41.5
9		08:00	34.1
10		09:00	42.8
11		10:00	49.6
12		11:00	55.5
13		12:00	51.1
14		13:00	57.2
15		14:00	50.8
16		15:00	47.6
17		16:00	42.7
18		17:00	53.6
19		18:00	47.1
20		19:00	42.8
21		20:00	43.9
22		21:00	42.6
23		22:00	43.7
24		23:00	35.5

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

Instrument Details: Sound Level Meter

Make/Model : Metravi /SL-3010

Serial No : 11180097640

Calibration Due : 28.02.2025

K.S.Laj
Verified by



Pavesh K.
Authorized by
Managing Director

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

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

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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.)- FEBRUARY 2025
Sampling Location-2: BTG Area

Sample Registration Date: 19.02.2025
Issue Date: 25.02.2025
Lab Ref: SEPL/ES/SEILEILP/02-25/0002

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	18.02.2025	00:00	34.2
2		01:00	38.7
3		02:00	31.9
4		03:00	35.6
5		04:00	37.2
6		05:00	35.9
7		06:00	42.2
8		07:00	57.5
9		08:00	41.7
10		09:00	53.8
11		10:00	50.4
12		11:00	45.9
13		12:00	53.2
14		13:00	53.1
15		14:00	59.4
16		15:00	48.5
17		16:00	57.6
18		17:00	59.2
19		18:00	46.8
20		19:00	45.5
21		20:00	52.8
22		21:00	47.6
23		22:00	45.9
24		23:00	42.7

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 : Standard/ SC-05

Serial No : 200525272

Calibration Due : 28.02.2025

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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

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TEST REPORT

ISSUED TO: M/s. SEIL ENERGY INDIA LIMITED PROJECT-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.)- FEBRUARY 2025 Sampling Location-3: Coal Handling Plant	Sample Registration Date: 19.02.2025 Issue Date: 25.02.2025 Lab Ref: SEPL/ES/SEILEILP/02-25/0003

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	18.02.2025	00:00	37.6
2		01:00	31.2
3		02:00	41.7
4		03:00	34.8
5		04:00	36.9
6		05:00	35.5
7		06:00	49.2
8		07:00	57.6
9		08:00	41.9
10		09:00	45.5
11		10:00	46.3
12		11:00	59.8
13		12:00	52.9
14		13:00	49.7
15		14:00	55.5
16		15:00	53.7
17		16:00	52.7
18		17:00	47.1
19		18:00	44.2
20		19:00	46.9
21		20:00	45.7
22		21:00	52.8
23		22:00	55.4
24		23:00	49.6

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 : Lutron /SL-34001
Serial No : Q6352440
Calibration Due : 28.02.2025

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

LABORATORY : Plot No 142/1, Eruvada Junction, Sabbavaram (M), Vizag - 531 035
Web : www.spectraenviro.com | **E-mail:** sepl.sjn@gmail.com | info@spectraenviro.com
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TEST REPORT

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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.)- FEBRUARY 2025

Sampling Location-4: Varakavipudi Village

Sample Registration Date: 19.02.2025

Issue Date: 25.02.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0004

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	18.02.2025	00:00	29.4
2		01:00	35.7
3		02:00	39.1
4		03:00	35.7
5		04:00	25.6
6		05:00	30.4
7		06:00	32.1
8		07:00	37.5
9		08:00	43.8
10		09:00	42.2
11		10:00	40.9
12		11:00	47.8
13		12:00	44.3
14		13:00	49.5
15		14:00	55.2
16		15:00	50.7
17		16:00	49.6
18		17:00	45.1
19		18:00	47.6
20		19:00	42.8
21		20:00	35.5
22		21:00	33.0
23		22:00	40.2
24		23:00	35.7

CPCB Standards (Residential Area)

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

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010

Serial No : 11180097641

Calibration Due : 28.02.2025

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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

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

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





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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.)- FEBRUARY 2025

Sampling Location-5: Sivaramapuram Village

Sample Registration Date: 19.02.2025

Issue Date: 25.02.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0005

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	18.02.2025	00:00	35.4
2		01:00	31.7
3		02:00	39.2
4		03:00	33.6
5		04:00	32.1
6		05:00	25.7
7		06:00	40.6
8		07:00	41.0
9		08:00	35.7
10		09:00	38.5
11		10:00	45.9
12		11:00	42.7
13		12:00	45.6
14		13:00	39.1
15		14:00	38.6
16		15:00	44.2
17		16:00	43.7
18		17:00	46.1
19		18:00	45.4
20		19:00	42.3
21		20:00	34.4
22		21:00	31.5
23		22:00	34.6
24		23:00	30.8

CPCB Standards (Residential Area)

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

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010

Serial No : 11180097642

Calibration Due : 28.02.2025

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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

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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.)- FEBRUARY 2025

Sampling Location-6: Chandrasekharapuram Village

Sample Registration Date: 19.02.2025

Issue Date: 25.02.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0006

TEST RESULT

S. NO	DATE	TIME (Hrs.)	dB (A)
1	18.02.2025	00:00	32.8
2		01:00	31.9
3		02:00	25.7
4		03:00	35.4
5		04:00	24.9
6		05:00	35.8
7		06:00	31.4
8		07:00	45.5
9		08:00	47.8
10		09:00	42.9
11		10:00	53.6
12		11:00	52.4
13		12:00	45.5
14		13:00	41.3
15		14:00	44.6
16		15:00	33.9
17		16:00	49.7
18		17:00	46.2
19		18:00	41.0
20		19:00	47.5
21		20:00	35.9
22		21:00	44.7
23		22:00	31.9
24		23:00	25.4

CPCB Standards (Residential Area)

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

Instrument Details: Sound Level Meter

Make/Model : Metravi/SL-3010

Serial No : 11180097643

Calibration Due : 28.02.2025

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

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

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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.)- FEBRUARY 2025

Date of Sampling: 18-02-2025

Sample Registration Date: 19.02.2025

Issue Date: 25.02.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0007

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	28.9	31.9	31.2	25.6	25.7	24.9
Maximum	57.2	59.4	59.8	55.2	46.1	53.6
Average	45.1	46.6	46.8	41.0	38.4	39.5

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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

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TEST REPORT

ANNEXURE-XIV

ISSUED TO: M/S. SEIL ENERGY INDIA LIMITED PROJECT-2 (2x660 MW Coal Based Thermal Power Plant), Near Ananthavaram (V), Thotapalli Gudur (M), SPSR Nellore (Dist.) -524344.	
Discipline: Chemical Group: Atmospheric Pollution Product: Ambient Air Quality Monitoring – OCTOBER 2024 Location-1: Fire Station (Plant Site)	Sample Registration Date: 26.10.2024 Issue Date: 01.11.2024 Lab Ref: SEPL/ES/SEILEILP/10-24/0001 Sample collected person details: S. Ganesh

TEST RESULTS

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
03.10.2024	45.1	25.2	15.3	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
04.10.2024	39.7	27.6	11.6	8.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.10.2024	43.5	26.4	13.4	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.10.2024	49.4	22.3	16.1	8.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.10.2024	35.9	25.7	15.7	8.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.10.2024	47.3	26.1	17.5	9.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.10.2024	44.6	27.5	18.4	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.10.2024	39.2	28.1	12.9	9.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	35.9	22.3	11.6	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	49.4	28.1	18.4	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	43.1	26.1	15.1	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	49.1	22.5	11.9	7.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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

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TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – OCTOBER 2024

Location-2: Sivaramapuram village

Sample Registration Date: 26.10.2024

Issue Date: 01.11.2024

Lab Ref: SEPL/ES/SEILEILP/10-24/0002

Sample collected person details: S. Ganesh

TEST RESULTS

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
03.10.2024	46.1	21.5	11.5	8.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
04.10.2024	42.5	24.6	12.5	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.10.2024	36.9	23.7	16.3	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.10.2024	39.7	26.2	14.2	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.10.2024	47.1	23.4	15.8	7.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.10.2024	49.8	25.9	13.6	9.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.10.2024	43.6	24.8	16.9	8.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.10.2024	35.5	24.4	12.4	7.0	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	35.5	21.5	11.5	7.0	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	49.8	26.2	16.9	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	42.6	24.3	14.2	8.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	49.6	26.1	16.7	9.6	<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 : 28.02.2025

Instruments Detail:

Instrument : Respirable Dust sampler
Model/SI NO : AAQM-60/220518
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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





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

TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – OCTOBER 2024

Location-3: Chandrasekharapuram Village

Sample Registration Date: 26.10.2024

Issue Date: 01.11.2024

Lab Ref: SEPL/ES/SEILEILP/10-24/0003

Sample collected person details: S. Ganesh

TEST RESULTS

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
03.10.2024	41.3	23.6	13.5	8.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
04.10.2024	40.5	22.3	10.9	8.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.10.2024	44.9	25.9	12.2	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.10.2024	45.7	24.4	13.3	7.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.10.2024	43.8	21.3	15.6	8.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.10.2024	42.5	26.1	14.9	9.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.10.2024	35.5	25.6	11.7	8.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.10.2024	42.1	20.8	16.3	7.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	35.5	20.8	10.9	7.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	45.7	26.1	16.3	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	41.9	23.8	13.6	8.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	45.3	26.4	16.1	9.7	<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 : 28.02.2025

Instruments Detail:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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

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

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





SPECTRA ENVIROTECH PVT LTD

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

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

TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – OCTOBER 2024

Location-4: Varakavipudi Village

Sample Registration Date: 26.10.2024

Issue Date: 01.11.2024

Lab Ref: SEPL/ES/SEILEILP/10-24/0004

Sample collected person details: S. Ganesh

TEST RESULTS

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
03.10.2024	43.7	22.3	17.8	8.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
04.10.2024	46.5	23.4	11.1	12.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.10.2024	37.4	20.8	13.4	7.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
11.10.2024	45.5	24.9	12.9	8.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.10.2024	44.1	23.5	14.2	8.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
18.10.2024	46.2	22.7	13.3	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.10.2024	42.8	24.9	13.5	9.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
25.10.2024	38.6	21.1	12.8	7.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	37.4	20.8	11.1	7.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.5	24.9	17.8	12.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	43.1	22.9	13.6	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.3	24.5	17.2	12.1	<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 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

Instruments Detail:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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

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SUMMARY OF AMBIENT AIR QUALITY –OCTOBER 2024

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM ₁₀	Minimum	μg/m ³	35.9	35.5	35.5	37.4
	Maximum		49.4	49.8	45.7	46.5
	Average		43.1	42.6	41.9	43.1
	98 Percentile		49.1	49.6	45.3	46.3
PM _{2.5}	Minimum		22.3	21.5	20.8	20.8
	Maximum		28.1	26.2	26.1	24.9
	Average		26.1	24.3	23.8	22.9
	98 Percentile		22.5	26.1	26.4	24.5
SO ₂	Minimum		11.6	11.5	10.9	11.1
	Maximum		18.4	16.9	16.3	17.8
	Average		15.1	14.2	13.6	13.6
	98 Percentile		11.9	16.7	16.1	17.2
NO ₂	Minimum		7.9	7.0	7.1	7.1
	Maximum		9.9	9.8	9.9	12.6
	Average		8.7	8.3	8.5	8.7
	98 Percentile		7.5	9.6	9.7	12.1

K.S.Laj
Verified by



Praveesh W.
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Managing Director

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

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TEST REPORT

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M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – NOVEMBER 2024

Location-1: Fire Station (Plant Site)

Sample Registration Date: 30.11.2024

Issue Date: 06.12.2024

Lab Ref: SEPL/ES/SEILEILP/11-24/0001

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
01.11.2024	35.1	25.6	16.5	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.11.2024	41.6	28.4	13.9	7.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.11.2024	38.2	22.9	11.3	8.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.11.2024	32.9	26.2	10.6	9.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.11.2024	42.8	29.3	14.1	7.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.11.2024	34.3	24.8	15.8	8.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.11.2024	40.7	20.1	12.4	9.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.11.2024	39.1	23.7	10.2	8.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.11.2024	43.4	27.8	14.7	8.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.11.2024	37.5	29.1	15.9	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	32.9	20.1	10.2	7.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	43.4	29.3	16.5	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	38.6	25.8	13.5	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	43.3	29.3	16.4	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S.Laj
Verified by



P. Suresh K.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – NOVEMBER 2024

Location-2: Sivaramapuram village

Sample Registration Date: 30.11.2024

Issue Date: 06.12.2024

Lab Ref: SEPL/ES/SEILEILP/11-24/0002

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
01.11.2024	41.9	24.5	17.9	9.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.11.2024	48.3	21.9	13.3	8.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.11.2024	45.1	25.5	16.7	7.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.11.2024	39.7	20.8	10.5	8.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.11.2024	42.2	19.6	14.8	6.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.11.2024	27.6	23.4	16.2	9.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.11.2024	35.8	22.2	12.6	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.11.2024	38.5	19.2	15.6	6.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.11.2024	37.4	24.9	11.4	9.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.11.2024	31.9	25.1	17.2	8.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	27.6	19.2	10.5	6.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	48.3	25.5	17.9	9.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	38.8	22.7	14.6	8.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.7	25.4	17.8	9.5	<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 : 28.02.2025

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQM-60/220518
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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

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

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TEST REPORT

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – NOVEMBER 2024

Location-3: Chandrasekharapuram Village

Sample Registration Date: 30.11.2024

Issue Date: 06.12.2024

Lab Ref: SEPL/ES/SEILEILP/11-24/0003

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
01.11.2024	41.5	19.8	14.7	8.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.11.2024	39.7	25.9	13.2	8.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.11.2024	43.2	23.5	10.3	9.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.11.2024	47.3	21.4	15.1	7.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.11.2024	37.8	24.7	15.8	9.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.11.2024	47.9	22.2	11.6	8.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.11.2024	42.4	24.6	13.5	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.11.2024	35.6	25.1	12.9	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.11.2024	45.1	20.5	15.4	7.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.11.2024	33.8	23.4	10.8	8.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	33.8	19.8	10.3	7.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.9	25.9	15.8	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	41.4	23.1	13.3	8.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.8	25.8	15.7	9.7	<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 : 28.02.2025

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

Form No : F-7.8-02

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SPSR Nellore (Dist.) -524344.

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – NOVEMBER 2024

Location-4: Varakavipudi Village

Sample Registration Date: 30.11.2024

Issue Date: 06.12.2024

Lab Ref: SEPL/ES/SEILEILP/11-24/0004

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
01.11.2024	42.3	20.8	15.8	8.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
02.11.2024	37.6	25.4	11.2	9.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.11.2024	52.3	23.2	13.6	8.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
08.11.2024	44.9	21.9	15.5	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.11.2024	51.7	24.1	10.2	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
15.11.2024	45.1	19.7	9.7	8.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.11.2024	49.7	22.6	14.3	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
22.11.2024	44.2	25.3	6.9	9.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.11.2024	39.8	20.5	7.4	7.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
29.11.2024	51.4	26.1	12.1	8.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	37.6	19.7	6.9	7.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	52.3	26.1	15.8	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	45.9	23.0	11.7	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	52.2	26.0	15.7	9.8	<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 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

Instruments Detail:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S. Jay
Verified by



P. Praveesh W.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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

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

SUMMARY OF AMBIENT AIR QUALITY –NOVEMBER 2024

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM ₁₀	Minimum	μg/m ³	32.9	27.6	33.8	37.6
	Maximum		43.4	48.3	47.9	52.3
	Average		38.6	38.8	41.4	45.9
	98 Percentile		43.3	47.7	47.8	52.2
PM _{2.5}	Minimum		20.1	19.2	19.8	19.7
	Maximum		29.3	25.5	25.9	26.1
	Average		25.8	22.7	23.1	23.0
	98 Percentile		29.3	25.4	25.8	26.0
SO ₂	Minimum		10.2	10.5	10.3	6.9
	Maximum		16.5	17.9	15.8	15.8
	Average		13.5	14.6	13.3	11.7
	98 Percentile		16.4	17.8	15.7	15.7
NO _x	Minimum		7.1	6.5	7.3	7.1
	Maximum		9.9	9.6	9.8	9.8
	Average		8.7	8.2	8.6	8.7
	98 Percentile		9.9	9.5	9.7	9.8

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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

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

TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – DECEMBER 2024

Location-1: Fire Station (Plant Site)

Sample Registration Date: 01.01.2025

Issue Date: 05.01.2025

Lab Ref: SEPL/ES/SEILEILP/12-24/0001

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
05.12.2024	33.6	23.1	13.4	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.12.2024	39.8	24.6	9.9	8.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.12.2024	42.3	21.7	15.6	7.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.12.2024	38.1	28.8	11.2	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.12.2024	40.7	25.1	17.1	8.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.12.2024	42.8	22.1	16.3	9.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.12.2024	35.6	23.6	14.7	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.12.2024	41.2	20.2	12.8	9.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	33.6	20.2	9.9	8.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	42.8	28.8	17.1	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	39.2	23.6	13.5	9.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	42.7	28.2	16.9	10.1	<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	20

Instruments Details:

Instrument : Fine Particulate sampler
Model/SI NO : AAQ510 / 220830
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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

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





SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – DECEMBER 2024

Location-2: Sivaramapuram village

Sample Registration Date: 01.01.2025

Issue Date: 05.01.2025

Lab Ref: SEPL/ES/SEILEILP/12-24/0002

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
05.12.2024	43.5	21.3	15.2	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.12.2024	28.2	23.6	16.1	7.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.12.2024	41.8	20.1	18.5	6.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.12.2024	40.6	22.7	11.4	5.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.12.2024	46.1	24.8	16.7	7.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.12.2024	29.2	20.1	15.7	8.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.12.2024	39.4	23.6	9.8	9.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.12.2024	47.9	24.8	17.5	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	28.2	20.1	9.8	5.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.9	24.8	18.5	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	39.5	22.6	15.1	7.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.6	24.8	18.3	9.8	<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 : 28.02.2025

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQM-60/220518
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S. Jay
Verified by



Praveesh W.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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

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





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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – DECEMBER 2024

Location-3: Chandrasekharapuram Village

Sample Registration Date: 01.01.2025

Issue Date: 05.01.2025

Lab Ref: SEPL/ES/SEILEILP/12-24/0003

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
05.12.2024	45.6	26.5	13.2	9.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.12.2024	37.2	23.8	16.4	7.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.12.2024	34.3	21.4	12.2	8.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.12.2024	48.1	23.8	16.1	8.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.12.2024	39.7	25.5	9.9	7.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.12.2024	45.2	21.6	12.1	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.12.2024	46.3	22.1	14.3	6.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.12.2024	38.1	20.3	10.9	8.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	34.3	20.3	9.9	6.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	48.1	26.5	16.4	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	41.8	23.1	13.2	8.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.8	26.3	16.3	9.9	<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 : 28.02.2025

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S.Laj
Verified by



P. Praveesh W.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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

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TEST REPORT

ISSUED TO:

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – DECEMBER 2024

Location-4: Varakavipudi Village

Sample Registration Date: 01.01.2025

Issue Date: 05.01.2025

Lab Ref: SEPL/ES/SEILEILP/12-24/0004

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
05.12.2024	51.9	21.4	13.6	7.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
06.12.2024	36.5	24.7	10.9	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
12.12.2024	49.8	20.9	8.4	10.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.12.2024	45.2	24.2	16.2	8.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
19.12.2024	38.2	25.4	9.8	9.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.12.2024	47.3	20.3	14.6	8.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
26.12.2024	44.2	26.2	12.7	6.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.12.2024	43.8	21.9	7.5	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	36.5	20.3	7.5	6.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	51.9	26.2	16.2	10.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	44.6	23.1	11.7	8.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	51.6	26.0	15.9	10.4	<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 : 28.02.2025

Instruments Detail:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

Form No : F-7.8-02

Issue No & Date 01& 20.06.2019

Amend. No & Dt.: 00 & 00

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

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SPECTRA ENVIROTECH PVT LTD

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

SUMMARY OF AMBIENT AIR QUALITY – DECEMBER 2024

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM ₁₀	Minimum	µg/m ³	33.6	28.2	34.3	36.5
	Maximum		42.8	47.9	48.1	51.9
	Average		39.3	39.6	41.8	44.6
	98 Percentile		42.7	47.6	47.8	51.6
PM _{2.5}	Minimum		20.2	20.1	20.3	20.3
	Maximum		28.8	24.8	26.5	26.2
	Average		23.7	22.6	23.1	23.1
	98 Percentile		28.3	24.8	26.4	26.1
SO ₂	Minimum		9.9	9.8	9.9	7.5
	Maximum		17.1	18.5	16.4	16.2
	Average		13.5	15.1	13.1	11.7
	98 Percentile		17.0	18.4	16.4	16.0
NO _x	Minimum		7.9	5.9	6.5	6.9
	Maximum		10.1	10.1	10.1	10.5
	Average		9.2	7.9	8.4	8.9
	98 Percentile		10.1	10.0	10.0	10.5

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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





SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

ISSUED TO:

M/S. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JANUARY 2025

Location-1: Fire Station (Plant Site)

Sample Registration Date: 02.02.2025

Issue Date: 08.02.2025

Lab Ref: SEPL/ES/SEILEILP/01-25/0001

Sample collected person details: S. Ganesh

TESTRESULT

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
02.01.2025	31.7	19.7	10.6	13.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
03.01.2025	33.8	29.7	11.4	12.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.01.2025	36.2	20.8	9.8	10.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.01.2025	43.2	23.1	15.3	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.01.2025	40.9	24.4	12.2	11.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.01.2025	41.1	28.5	15.4	14.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.01.2025	44.6	27.2	10.9	13.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.01.2025	35.5	20.9	17.2	12.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.01.2025	43.8	19.5	16.5	11.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
31.01.2025	40.1	21.6	14.4	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	31.7	19.5	9.8	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	44.6	29.7	17.2	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	39.1	23.5	13.4	12.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	44.5	29.5	17.1	14.3	<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 : 28.02.2025

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due: 28.02.2025

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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

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





SPECTRA ENVIROTECH PVT LTD

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

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JANUARY 2025

Location-2: Sivaramapuram village

Sample Registration Date: 02.02.2025

Issue Date: 08.02.2025

Lab Ref: SEPL/ES/SEILEILP/01-25/0002

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
02.01.2025	45.3	20.3	15.4	14.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
03.01.2025	47.6	23.6	13.4	11.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.01.2025	45.1	25.5	10.9	10.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.01.2025	46.9	24.1	11.6	11.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.01.2025	30.6	26.2	17.7	12.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.01.2025	45.5	19.9	14.4	13.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.01.2025	42.2	20.8	15.5	14.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.01.2025	44.4	21.4	16.3	10.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.01.2025	28.1	22.2	12.4	12.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
31.01.2025	29.3	25.8	18.2	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	28.1	19.9	10.9	10.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.6	26.2	18.2	14.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.5	23.0	14.6	12.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.5	26.1	18.1	14.8	<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 : 28.02.2025

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQM-60/220518
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S. Jay
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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

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





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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JANUARY 2025

Location-3: Chandrasekharapuram Village

Sample Registration Date: 02.02.2025

Issue Date: 08.02.2025

Lab Ref: SEPL/ES/SEILEILP/01-25/0003

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
02.01.2025	43.2	19.1	10.5	10.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
03.01.2025	35.9	23.6	11.3	11.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.01.2025	47.5	22.4	15.2	13.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.01.2025	36.1	20.9	13.6	14.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.01.2025	38.4	19.7	10.9	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.01.2025	45.9	24.2	14.2	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.01.2025	40.3	21.5	13.7	11.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.01.2025	46.2	23.9	16.8	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.01.2025	44.7	22.2	16.4	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
31.01.2025	32.5	20.7	11.1	12.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	32.5	19.1	10.5	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.5	24.2	16.8	14.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	41.1	21.8	13.4	12.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	47.3	24.1	16.7	14.7	<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 : 28.02.2025

Instruments Details:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S. Jay
Verified by



P. Suresh K.
Authorized by
Managing Director

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

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

TEST REPORT

ISSUED TO:

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – JANUARY 2025

Location-4: Varakavipudi Village

Sample Registration Date: 02.02.2025

Issue Date: 08.02.2025

Lab Ref: SEPL/ES/SEILEILP/01-25/0004

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
02.01.2025	37.9	20.3	15.8	13.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
03.01.2025	46.3	24.1	13.4	9.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
09.01.2025	42.5	25.4	16.2	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
10.01.2025	39.7	22.2	11.6	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
16.01.2025	50.6	19.9	10.1	11.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
17.01.2025	45.8	26.5	9.8	12.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
23.01.2025	49.2	23.7	8.4	13.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
24.01.2025	43.1	21.6	7.1	10.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
30.01.2025	38.8	20.8	8.9	14.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
31.01.2025	42.1	19.2	10.5	12.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	37.9	19.2	7.1	9.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	50.6	26.5	16.2	14.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	43.6	22.4	11.2	11.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	50.3	26.3	16.1	14.6	<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 : 28.02.2025

Instruments Detail:

Instrument : Respirable Dust sampler
Model/SI NO : AAQ510 MFC / 220723
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2025

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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

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





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

SUMMARY OF AMBIENT AIR QUALITY – JANUARY 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM ₁₀	Minimum	μg/m ³	31.7	28.1	32.5	37.9
	Maximum		44.6	47.6	47.5	50.6
	Average		39.1	40.5	41.1	43.6
	98 Percentile		44.5	47.5	47.3	50.3
PM _{2.5}	Minimum		19.5	19.9	19.1	19.2
	Maximum		29.7	26.2	24.2	26.5
	Average		23.5	23.0	21.8	22.4
	98 Percentile		29.5	26.1	24.1	26.3
SO ₂	Minimum		9.8	10.9	10.5	7.1
	Maximum		17.2	18.2	16.8	16.2
	Average		13.4	14.6	13.4	11.2
	98 Percentile		17.1	18.1	16.7	16.1
NO ₂	Minimum		9.9	10.6	9.8	9.5
	Maximum		14.3	14.9	14.9	14.7
	Average		12.4	12.6	12.1	11.8
	98 Percentile		14.3	14.8	14.7	14.6

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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





SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – FEBRUARY 2025

Location-1: Fire Station (Plant Site)

Sample Registration Date: 02.03.2025

Issue Date: 08.03.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0001

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
06.02.2025	33.6	21.1	11.4	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.02.2025	31.8	28.6	18.4	11.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.02.2025	34.7	21.4	9.9	12.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.02.2025	32.3	20.5	13.5	14.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.02.2025	42.5	21.9	15.6	14.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.02.2025	44.1	24.3	16.8	13.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.02.2025	44.5	29.5	17.2	10.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.02.2025	43.8	19.9	12.7	12.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	31.8	19.9	9.9	10.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	44.5	29.5	18.4	14.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	38.4	23.4	14.4	12.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	44.4	29.4	18.2	14.8	<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.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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

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TEST REPORT

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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: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – FEBRUARY 2025

Location-2: Sivaramapuram village

Sample Registration Date: 02.03.2025

Issue Date: 08.03.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0002

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
06.02.2025	31.5	21.5	11.3	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.02.2025	45.2	25.1	17.9	14.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.02.2025	46.5	26.1	13.4	12.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.02.2025	44.8	21.9	12.8	11.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.02.2025	33.4	19.5	16.5	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.02.2025	44.7	26.2	15.1	14.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.02.2025	40.8	22.4	10.5	12.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.02.2025	42.2	23.8	14.2	15.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	31.5	19.5	10.5	11.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.5	26.2	17.9	15.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	41.1	23.3	14.0	13.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.3	26.2	17.7	15.2	<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 / 220831
Make : SSE (Shree Scientific Equipment)
Calibration Due : 28.02.2026

Instruments Details:

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

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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





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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: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – FEBRUARY 2025

Location-3: Chandrasekharapuram Village

Sample Registration Date: 02.03.2025

Issue Date: 08.03.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0003

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	$\mu\text{g}/\text{m}^3$				mg/m^3	$\mu\text{g}/\text{m}^3$				ng/m^3		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
06.02.2025	35.8	20.2	12.8	11.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.02.2025	33.2	21.9	11.9	14.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.02.2025	44.6	24.6	16.6	12.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.02.2025	35.9	23.3	10.1	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.02.2025	43.1	19.4	13.7	10.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.02.2025	46.9	23.1	15.2	12.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.02.2025	45.5	20.6	14.5	11.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.02.2025	42.4	21.1	12.2	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	33.2	19.4	10.1	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.9	24.6	16.6	14.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.9	21.8	13.4	12.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.7	24.4	16.4	14.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	2.0

Instruments Details:

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

Instruments Details:

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

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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





SPECTRA ENVIROTECH PVT LTD

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

TEST REPORT

ISSUED TO:

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – FEBRUARY 2025

Location-4: Varakavipudi Village

Sample Registration Date: 02.03.2025

Issue Date: 08.03.2025

Lab Ref: SEPL/ES/SEILEILP/02-25/0004

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
06.02.2025	34.2	21.6	7.4	11.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.02.2025	42.8	25.5	11.7	10.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.02.2025	47.1	24.8	13.8	13.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.02.2025	38.3	19.3	12.5	11.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.02.2025	50.4	20.1	9.8	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.02.2025	44.3	24.8	13.2	13.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.02.2025	45.7	21.6	16.6	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.02.2025	32.5	24.9	9.4	12.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	32.5	19.3	7.4	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	50.4	25.5	16.6	14.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	41.9	22.8	11.8	12.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	49.9	25.4	16.2	14.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	2.0

Instruments Details:

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

Instruments Detail:

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

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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SUMMARY OF AMBIENT AIR QUALITY – FEBRUARY 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM ₁₀	Minimum	µg/m ³	31.8	31.5	33.2	32.5
	Maximum		44.5	46.5	46.9	50.4
	Average		38.4	41.1	40.9	41.9
	98 Percentile		44.4	46.3	46.7	49.9
PM _{2.5}	Minimum		19.9	19.5	19.4	19.3
	Maximum		29.5	26.2	24.6	25.5
	Average		23.4	23.3	21.8	22.8
	98 Percentile		29.4	26.2	24.4	25.4
SO ₂	Minimum		9.9	10.5	10.1	7.4
	Maximum		18.4	17.9	16.6	16.6
	Average		14.4	14.0	13.4	11.8
	98 Percentile		18.2	17.7	16.4	16.2
NO ₂	Minimum		10.1	11.1	9.9	9.9
	Maximum		14.9	15.2	14.5	14.3
	Average		12.5	13.5	12.2	12.1
	98 Percentile		14.8	15.2	14.4	14.2

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

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

ISSUED TO:

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – MARCH 2025

Location-1: Fire Station (Plant Site)

Sample Registration Date: 31.03.2025

Issue Date: 06.04.2025

Lab Ref: SEPL/ES/SEILEILP/03-25/0001

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
06.03.2025	35.2	24.2	9.5	11.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.03.2025	33.9	30.1	13.6	13.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.03.2025	32.6	20.5	12.7	10.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.03.2025	46.4	23.6	11.1	12.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.03.2025	41.2	23.7	10.5	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.03.2025	39.8	21.1	14.3	14.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.03.2025	41.4	19.5	16.8	16.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.03.2025	43.3	20.6	20.2	14.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	32.6	19.5	9.5	9.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.4	30.1	20.2	16.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	39.2	22.9	13.6	12.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.0	29.3	19.7	16.0	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	20

Instruments Details:

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

Instruments Details:

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

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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TEST REPORT

ISSUED TO:

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – MARCH 2025

Location-2: Sivaramapuram village

Sample Registration Date: 31.03.2025

Issue Date: 06.04.2025

Lab Ref: SEPL/ES/SEILEILP/03-25/0002

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
06.03.2025	30.9	24.3	10.6	10.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.03.2025	48.2	21.4	11.1	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.03.2025	42.3	23.2	13.4	11.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.03.2025	46.8	20.5	12.4	12.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.03.2025	31.2	19.9	13.1	14.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.03.2025	40.4	24.2	9.9	13.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.03.2025	41.8	29.4	13.0	11.2	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.03.2025	43.5	21.7	12.8	16.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	30.9	19.9	9.9	10.8	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	48.2	29.4	13.4	16.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.6	23.1	12.0	13.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	48.0	28.7	13.4	16.1	<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. Jay
Verified by



P. Suresh W.
Authorized by
Managing Director

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

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – MARCH 2025

Location-3: Chandrasekharapuram Village

Sample Registration Date: 31.03.2025

Issue Date: 06.04.2025

Lab Ref: SEPL/ES/SEILEILP/03-25/0003

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
06.03.2025	31.4	19.8	15.5	10.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.03.2025	38.7	23.6	13.6	13.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.03.2025	33.6	20.9	9.8	9.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.03.2025	35.8	21.7	13.6	9.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.03.2025	42.6	27.5	11.1	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.03.2025	40.2	22.4	18.2	11.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.03.2025	34.9	21.7	12.8	12.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.03.2025	47.4	20.6	10.9	14.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	31.4	19.8	9.8	9.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	47.4	27.5	18.2	14.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	38.1	22.3	13.2	11.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.7	27.0	17.8	14.3	<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.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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TEST REPORT

ISSUED TO:

M/s. SEIL ENERGY INDIA LIMITED PROJECT-2

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

Discipline: Chemical

Group: Atmospheric Pollution

Product: Ambient Air Quality Monitoring – MARCH 2025

Location-4: Varakavipudi Village

Sample Registration Date: 31.03.2025

Issue Date: 06.04.2025

Lab Ref: SEPL/ES/SEILEILP/03-25/0004

Sample collected person details: S. Ganesh

TEST RESULT

Date Of Sampling	µg/m ³				mg/m ³	µg/m ³				ng/m ³		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO	Pb	O ₃	NH ₃	C ₆ H ₆	BaP	As	Ni
06.03.2025	39.7	24.9	18.4	12.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
07.03.2025	43.7	21.2	9.9	15.1	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
13.03.2025	38.2	19.8	13.4	14.7	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
14.03.2025	39.7	25.7	12.8	13.6	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
20.03.2025	34.8	19.9	11.1	12.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
21.03.2025	46.9	21.7	14.1	11.9	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
27.03.2025	44.2	23.1	13.6	9.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
28.03.2025	38.7	28.7	16.2	16.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Min	34.8	19.8	9.9	9.4	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Max	46.9	28.7	18.4	16.5	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
Avg.	40.7	23.1	13.7	13.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
98 Percentile	46.5	28.3	18.1	16.3	<1.5	<0.04	<5	<5	<2	<0.5	<1	<10
NAAQ Standards	100	60	80	80	2.0	1.0	100	400	5.0	1.0	6.0	2.0

Instruments Details:

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

Instruments Detail:

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

K.S.Laj
Verified by



P. Suresh W.
Authorized by
Managing Director

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SUMMARY OF AMBIENT AIR QUALITY – MARCH 2025

Pollutants	Description	Unit	Fire Station (Plant)-1	Sivaramapuram Village-2	Chandra sekharapuram Village-3	Varakavipudi Village-4
PM ₁₀	Minimum	µg/m ³	32.6	30.9	31.4	34.8
	Maximum		46.4	48.2	47.4	46.9
	Average		39.2	40.6	38.1	40.7
	98 Percentile		46.0	48.0	46.7	46.5
PM _{2.5}	Minimum		19.5	19.9	19.8	19.8
	Maximum		30.1	29.4	27.5	28.7
	Average		22.9	23.1	22.3	23.1
	98 Percentile		29.3	28.7	27.0	28.3
SO ₂	Minimum		9.5	9.9	9.8	9.9
	Maximum		20.2	13.4	18.2	18.4
	Average		13.6	12.0	13.2	13.7
	98 Percentile		19.7	13.4	17.8	18.1
NO ₂	Minimum		9.8	10.8	9.5	9.4
	Maximum		16.2	16.3	14.4	16.5
	Average		12.9	13.1	11.9	13.3
	98 Percentile		16.0	16.1	14.3	16.3

K.S.Laj
Verified by



Praveesh W.
Authorized by
Managing Director

LABORATORY : Plot No 142/1, Eruvada Junction, Sabbavaram (M), Vizag - 531 035
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SEIL Project-2 Environment Expenditure			
S.No	Area	Particulars	Expenses in Rs.
1	CHP	Operations (CHP)	₹ 8,834,712
2		Mechanical Maintnenace	₹ 1,249,580
3		Electrical Maintnenace	₹ 902,000
4		Coal Yard Sprinklers	₹ 2,821,000
5		DFDS System	₹ 394,000
6	AHP	Operations	₹ 6,156,394
7		Mechanical Maintnenace	₹ 1,392,100
8		Electrical Maintnenace	₹ 243,562
9		C&I Maintnenance	₹ 3,800,000
10	Others	Green Belt	₹ 7,973,858
11		Fly Ash	₹ 1,246,080
12		Haz Waste disposal	₹ 258,458