

Ref.No: - MEL/CTO/APPCB/2025-26/06

Date: 27.06.2026

To,

The Environmental Engineering,
Andhra Pradesh Pollution Control Board (APPCB)
Regional Office, Nellore, Plot.No-1,Prasanthi Nagar, Near Nellore Club,
Podalakur Road, Nellore
Andhra Pradesh – 524003

Sir,

Sub: Submission of Consent to Operate (CTO) Six Monthly Compliance report from 01st Jan 2026 to 30th June 2026 for M/s. Meenakshi Energy Limited (1000 MW).

Ref: 1) CTO Order No. 280810/APPCB/TPT/TPT/CTO/HO/2025, Date: 13.04.2025.

With respect to the aforementioned subject and above cited reference, we would like to inform your good office that Meenakshi Energy Limited a Coal based 1000 MW Thermal Power Plant had obtained CTO.

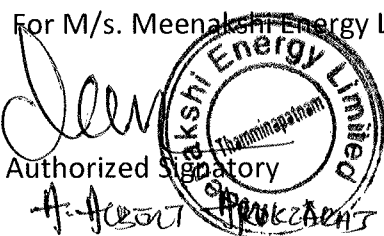
In this regard adhering to the statutory requirement of submitting the Six-monthly compliance report against the CTO conditions mentioned in the afore-said Consent to operate, we hereby submit to your good office the Six-monthly compliance report along with the necessary supporting documents for the period from Jan 2026 to June 2026. The Six-monthly compliance report is Annexed as Annexure-A.

We hope that the above is in line with the requirements under the referred Environment Clearance.

Kindly acknowledge the same.

Thanks & Regards,

For M/s. Meenakshi Energy Limited


Authorized Signatory
A. J. S. PRUKKANT

M/s. MEENAKSHI ENERGY LIMITED
(1000 MW COAL BASED THERMAL POWER PLANT)
COMPLIANCE FOR RENEWAL OF CONSENT TO OPERATE & AUTHORIZATION ORDER
CONSENT ORDER NO: 280810/APPCB/TPT/TPT/CTO/HO/2025, Date: 13.04.2025.

FOR THE PERIOD OF 1ST JANUARY 2026 TO 30TH JUNE 2026 (AS ON JULY 2026)

SCHEDULE-A

S.No	CONDITION	COMPLIANCE
1.	Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.	Noted and complied as and when applicable.
2.	The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.	Noted and being complied with annexure-I
3.	All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.	Noted and being complied with
4.	The industry shall put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit of the CFO order at a prominent place in the factory premises.	Complied With. Sign boards are placed at the main gate entrance. Annexure-II
5.	Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.	Noted.
6.	The applicant shall submit Environment statement in Form V before 30 th September every year as per Rule No.14 of E (P) Rules, 1986 & amendments thereof.	Being complied with
7.	The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water	Noted and being complied with

	and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board.	
8.	The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.	Noted and being complied with
9.	Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.	Noted.
10	The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.	Noted.
11	The conditions stipulated are without prejudice to the rights and contentions of this Board in any Hon'ble court of law.	Noted.
12	The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.	Noted.
13	The industry may explore the possibility of tapping the solar energy for their energy requirements.	Noted. Feasibility of roof top and Ground solar installation in progress
14	The industry should educate the workers and nearby public of possible accidents and remedial measures.	Being Complied with

SCHEDULE – B

S.No.	CONDITION	COMPLIANCE
1.	The industry shall provide closed conveyor belt from the port to the power plant coal yard within three years.	Will be Complied.
2.	The industry shall operate the water sprinklers provided in the coal yard at regular intervals and ensure that there shall not be any fugitive emissions from the coal yard.	Complied with. Annexure-III
3.	The industry shall develop the balance greenbelt in 38 acres in the ensuing monsoon.	90 acres Green belt available and remaining green belt development in progress. Annexure-IV
4.	The industry shall ensure that the ash generated in phase -1 shall be transported directly from the silos to the trucks without any accumulation in the plant premises.	The ash generated in phase -1 is being transported directly from the silos to the trucks. Annexure-V

WATER POLLUTION:

5.	The industry shall comply with the following effluent standards based on the disposal points permitted:		
	Outlet No	Parameter	Limiting Standards (mg/l except for pH and Temperature)
	1 to 5	Cooling tower blow down	
		Free Available Chlorine	0.5
		Zinc	1.0
		Chromium (Total)	0.2
		Phosphate	5.0
	6	Boiler Blow down	
		Total Suspended Solids (at 103 – 1050 C)	100
		Oil and Grease	20
		Copper (Total)	1.0
		Iron (Total)	1.0
	1 to 5 (Marine disposal)	Colour and odour	All efforts should be made to remove the colour and unpleasant odour to the extent possible.
		Suspended solids	100 mg/l.
		Particulate size of suspended solids	a. Floatable solids max. 3mm. b. Settable solids max 850 microns.
		pH	6.5 to 8.5
		Temperature	Should not exceed 5°C above the receiving water temperature
		Oil and grease	10 mg/l*
		Total residual chlorine	1.0 mg/l
		Ammonical nitrogen	50 mg/l
		Total kjeldhal Nitrogen	100 mg/l
		Free Ammonia	5.0 mg/l

		Biochemical Oxygen demand [3 days at 27°C]	100 mg/l
		Chemical Oxygen Demand	250 mg/l
		Arsenic	0.2 mg/l
		Mercury	0.01 mg/l
		Lead	2.0 mg/l
		Cadmium	2.0 mg/l
		Hexavalent Chromium	1.0 mg/l
		Free available chlorine	0.5 mg/l
		Total chromium	2.0 mg/l
		Copper	3.0 mg/l
		Zinc	1.0 mg/l
		Selenium	0.05 mg/l
		Nickel	5.0 mg/l
		Cyanide	0.2 mg/l
		Fluoride	15 mg/l
		Phospates	5.0 mg/l
		Sulphide	5.0 mg/l
		Phenoilc compounds	5.0 mg/l
		Radioactive materials a. Alpha emitter b. Beta emitter	10-7 micro curie/ml 10-6 micro curie/ml
		Bio assay test	90% survival of fish after 96 hours in 100% effluents
		Manganese	2.0 mg/l
		Iron	3.0 mg/l
		Vanadium	0.2 mg/l
		Nitrate Nitrogen	20 mg/l
	7	pH	5.5 – 9.0
		Total Suspended Solids	200 mg/l
		Oil and Grease	10 mg/l
		BOD	30 mg/l
		Fecal Coliform (FC) (Most probable number per 100 milliliter, MPN/100ml	<1000 MPN/100ml

*The standard Oil & grease is stipulated as 10.0 mg/lit, so as to recycle the treated effluents in the plant.

COMPLIANCE: Noted and complying with the following effluent standards as directed by the Board authorities.

6.	The source of water being Kandaleru creek. The following is the permitted water consumption: <table><tr><th>S.No.</th><th>Purpose</th><th>Quantity in KLD</th></tr><tr><td>1.</td><td>Process & Wash, Boiler feed (De-salinated fresh water)</td><td>12,331.0</td></tr><tr><td>2.</td><td>Cooling tower makeup (Saline water)</td><td>1,88,784.0</td></tr><tr><td>3.</td><td>Domestic (De-Salinated fresh water)</td><td>560.0</td></tr><tr><td colspan="2">Total:</td><td>2,01,675.0 KLD</td></tr></table>			S.No.	Purpose	Quantity in KLD	1.	Process & Wash, Boiler feed (De-salinated fresh water)	12,331.0	2.	Cooling tower makeup (Saline water)	1,88,784.0	3.	Domestic (De-Salinated fresh water)	560.0	Total:		2,01,675.0 KLD						
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COMPLIANCE: Complied. The obtained the water from the Kandaleru creek and the water consumption quantities are within the limits as prescribed by the Board authorities.																								
7.	The industry shall treat and reuse/recycle the entire waste water generated to the maximum extent possible. If excess, the industry shall discharge the cooling tower blow downs through pipeline to the sea. The industry shall maintain temperature recorders for outfall water.	Complied and maintaining temperature records for outfall water.																						
8.	The industry shall not discharge cooling tower blow downs into Kandaleru Creek.	Complied with.																						
9.	The industry shall provide flow meters preferably Electro Magnetic flow meters with totalizer for different streams of effluents and different categories of water usage stipulated in this order and to submit consolidate records to concerned ZO and RO every month.	Complied with. Electro Magnetic Flow meter photographs are attached as Annexure-VI																						
10	The industry shall adopt Cycles of Concentration (COC) of cooling towers shall be maintained at 1.6 as stipulated in the E.C.	Complied with.																						
AIR POLLUTION:																								
11	The emission shall not contain constituents in excess of the prescribed limits mentioned below: <table><tr><th>Chimney No.</th><th>Parameter</th><th>Emission Standards</th></tr><tr><td rowspan="4">1</td><td>Particulate matter</td><td>50 mg/Nm³</td></tr><tr><td>Sulphur Dioxide (SO₂)</td><td>200 mg/Nm³</td></tr><tr><td>Oxides of Nitrogen (NO_x)</td><td>300 mg/Nm³</td></tr><tr><td>Mercury</td><td>0.03 mg/Nm³</td></tr><tr><td rowspan="4">2</td><td>Particulate matter</td><td>30 mg/Nm³</td></tr><tr><td>Sulphur Dioxide (SO₂)</td><td>100 mg/Nm³</td></tr><tr><td>Oxides of Nitrogen (NO_x)</td><td>100 mg/Nm³</td></tr><tr><td>Mercury</td><td>0.03 mg/Nm³</td></tr></table>			Chimney No.	Parameter	Emission Standards	1	Particulate matter	50 mg/Nm ³	Sulphur Dioxide (SO ₂)	200 mg/Nm ³	Oxides of Nitrogen (NO _x)	300 mg/Nm ³	Mercury	0.03 mg/Nm ³	2	Particulate matter	30 mg/Nm ³	Sulphur Dioxide (SO ₂)	100 mg/Nm ³	Oxides of Nitrogen (NO _x)	100 mg/Nm ³	Mercury	0.03 mg/Nm ³
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COMPLIANCE: Online Continuous Stack Emission monitoring is being carried out and the limits are within the emission standards. Particulate matter, Sulphur Dioxide and Nitrogen oxides parameters are connected to online data with CPCB and APPCB.																								

12	The industry shall comply with emission standards of particulate matter, sulphur dioxide, oxides of nitrogen and mercury as per notification number S.O. 3305 (E), dated 07.12.2015 issued by MoEF&CC, GOI.	Complied with
13	The industry shall install and maintain FGD to comply with new emission norms for SO ₂ as per CPCB directions on 16.04.2018 and 24.04.2018.	Noted.
14	The industry shall comply with standards and directions issued by CPCB / MoEF&CC as and when notifications are issued.	Noted.
15	The industry shall comply with ambient air quality standards of PM ₁₀ (Particulate Matter size less than 10mm) - 100 mg/ m ³ ; PM _{2.5} (Particulate Matter size less than 2.5 mm) - 60 mg/ m ³ ; SO ₂ - 80 mg/ m ³ ; NO _x - 80 mg/m ³ , outside the factory premises at the periphery of the industry.	Complied with
16	Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009. Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A) Night time (10 PM to 6 AM) - 70 dB (A)	Complied with
17	The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.	Complied with
18	The industry shall provide online emission monitoring system to the major stacks and connect the monitoring data to the APPCB website.	Complied with. Online Continuous Stack Emission monitoring has been provided for monitoring Particulate matter, Sulphur dioxide and Nitrogen oxides and online data connected with CPCB and APPCB.
19	The industry shall maintain interlocking facility between APC equipment (ESP) and fuel feeding system, so as that the feeding of the fuel will be stopped automatically in case of the ESP fails/ tripping's are occurred.	Maintaining interlocking facility between APC equipment (ESP) and fuel feeding system, so as that the feeding of the fuel will be stopped automatically in case of the ESP fails/ tripping's are occurred.
20	The industry shall provide concrete roads in the plant and water shall be sprinkled on the roads	Provided concrete roads in the plant and water is being sprinkled on the roads

	periodically to control the fugitive dust emissions. Vacuum / pneumatic dust collection system shall be used for cleaning the internal roads.	periodically to control the fugitive dust emissions. Annexure-VII
21	The industry shall maintain the mechanized dust suppression system (MDSS) to control fugitive emissions effectively to control the dust emissions& the dust collected from pollution control equipment shall be recycled back into the process. The mechanized dust suppression system should be operated continuously to ensure compliance of AAQ standards consistently.	Being Complied with.
22	The fugitive emissions level of Suspended Particulate Matter (SPM) shall not exceed 2000 µg/m ³ at a distance of 10 m from the monitoring locations identified according to the area like raw material handling area, crusher area, raw material fed area, cooler discharge area and product processing area where fugitive dust emission generation is anticipated. The measurement shall be done on 08 hours basis with high volume sampler.	Being complied with
23	The industry shall maintain records for power consumption for operation of air pollution control equipments i.e. ESPs and bag filters.	Being complied with
24	As per G.S.R. 593 (E) dated 28.06.2018 issued by MoEF&CC, if the power generation capacity is 100 MW and above, Physical stack height H (in meters) = $6.902 (Q \times 0.277)^{0.555}$ or 100 m minimum. Q = Emission rate of SO ₂ in Kg/hr.	Complied with
25	The industry shall ensure regular maintenance and operation of on-line stack monitoring systems and CAAQM stations with the tamper proof mechanism and having facilities for online calibration.	Being Complied with
26	The industry shall put more efforts to control fugitive emissions generated during summer from ash ponds by providing more water sprinklers all around the ash ponds.	Being Complied with

27	Non-Hazardous solid waste disposal:			
	S.No.	Name of the Waste	Quantity of waste	Disposal Option
	1.	Fly Ash	65162.88 TPM	Shall be Sent to cement units, Road construction, Brick units and ash pond.
	2.	Boiler Bottom Ash	16290.72 TPM	
	3.	Iron scrap	4.0 TPD	Shall be disposed to authorized recyclers
COMPLIANCE: Being Complied with				
GENERAL:				
28	Mercury and other heavy metals (Hg, Cr, As, Pb) shall be monitored in the bottom ash and also in the effluents emanating from the ash pond. Trend analysis reports shall be submitted to the concerned Regional Officer regularly.		Monitoring the heavy metals present in the bottom ash and in the effluents emanating from the ash pond. Analysis reports have been submitted to the Regional Office regularly.	
29	Regular monitoring of ground water in and around the ash pond area including heavy metals (Hg, Cr, As, Pb) shall be carried out. Records shall be maintained and half yearly reports shall be furnished to the concerned Regional Officer. The data obtained shall be compared with the baseline data so as to ensure that the ground water quality is not affected during implantation and operational phase of the project.		Being complied with	
30	The industry shall install appropriate and adequate dust extraction system such as bag filters and water spray system in coal handling areas, ash handling points, transfer areas and other dusty areas to control dust emissions.		Being Complied with.	
31	Adequate safety measures shall be provided in the plant area to check / minimize spontaneous fires in coal yard, especially during summer season.		Being Complied.	
32	The industry shall complete and implement High Concentration Slurry Disposal System (HCSD) from Agitator Retention Tank (ART) within. The industry shall make adequate provisions for collection of seepage from ash pond and reuse for ash handling.		Noted and will be complied with.	
33	The industry shall submit year wise action plan to achieve 100% fly ash disposal in compliance with the provisions of the Fly ash Notification.		Noted and being complied with plan made for 100% utilization and will be executed.	
34	The industry shall provide mechanical coal conveying system from the port area to avoid fugitive emissions to the surrounding villages. The industry shall provide mechanical coal		Will be Complied	

	conveying system from the port area to avoid fugitive emissions to the surrounding villages.	
35	The industry shall adopt soil reclamation methods and to select specific type of tree species, which are endemic to local ecological conditions for the sustenance and growth. The progress in this regard shall be reported to RO periodically” and the industry has not complied the same. The industry shall maintain specific type of tree species, which are endemic to local ecological conditions for the sustenance and growth.	Noted
36	The industry shall carry out detailed study to identify all the major and minor sources contributing for fugitive dust emissions at plant premises and shall implement requisite dust containment/ suppression measures at sources.	Noted and being complied with
37	The industry shall maintain web cameras to ensure operation of water sprinklers at coal yard.	Maintaining cameras to ensure operation of water sprinklers at coal yard.
38	The industry shall maintain greenbelt buffer zone around the coal stock yard and shall operate water sprinklers continuously in order to prevent fugitive dust emissions.	Maintaining greenbelt buffer zone around the coal stock yard and operating water sprinklers continuously in order to prevent fugitive dust emissions.
39	The industry shall provide flow meters with totalizer at all sections and shall maintain records and to submit consolidate records to ZO and RO every month.	Being Complied with
40	The industry shall expedite ash utilization as per the guidelines stipulated in Fly Ash Notification.	Noted and being complied with
41	The industry shall set up a dedicated Environmental Wing equipped with expertise to ensure Environmental compliance in all aspects.	Complied with
42	The industry shall comply with CPCB directions dated 05.02.2014 / 02.03.2015 and guidelines issued regarding online monitoring systems for effluents and emissions issued from time to time. The online monitoring systems shall be calibrated periodically as per equipment suppliers manual / CPCB guidelines.	Complied with Online Continuous Stack Emission monitoring has been provided for monitoring Particulate matter, Sulphur dioxide and Nitrogen oxides and online data connected with CPCB and APPCB.
43	The industry shall maintain online ambient air quality monitoring systems with connectivity to Board’s website.	Being complied with
44	The industry shall comply with Fly Ash Notification dated 03.11.2009 and its amendments thereof, issued by MoEF&CC, GOI from time to time.	Being complied with
45	The industry shall store the fly ash in silo and dispose the same from time to time without	Being complied with

	storing it openly. The industry shall under take loading the fly ash directly into the trucks from ash silo.	
46	Imported Coal shall be used as fuel, the Sulphur and Ash Content in Coal shall not exceed 1.3 % and 11 % respectively.	Being complied by the industry.
47	The industry shall use blended coal which have sulphur content not exceeding 0.62% and ash content not exceeding 28.3%.	Noted.
48	The industry shall not use any fuels other than those permitted in this order without prior consent from the Board. They shall maintain log registers on type of fuels & daily consumption etc. and shall furnish consolidated records to RO for every three months.	Noted by the industry.
49	The industry shall ensure the regular mock drills to be carried out for checking on-site emergency plan prepared and also to ensure changes/ improvements required in the plant.	The regular mock drill is being carried out for checking on-site emergency plan prepared and to ensure changes/ improvements required in the plant.
50	Thick green belt shall be developed & maintained by the industry with tall growing trees in the vacant spaces of the unit.	Greenbelt has been developed and maintaining by the industry with tall growing trees in the vacant spaces of the unit.
51	The industry shall provide Rain Water Harvesting (RWH) structure within the plant site.	Noted and will be complied
52	The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board: a. Quantity of Effluents generated, treated, recycled/reused and discharged into creek/ sea. b. Log Books for pollution control systems. c. Characteristics of effluents, ambient air and emissions. d. Hazardous/non-hazardous solid waste generated and disposed. e. Inspection book. f. Manifest copies of hazardous waste.	Complied.
53	The industry shall comply with the standards issued by MoEF&CC / CPCB issued from time to time.	The industry is complying with the standards issued by MoEF&CC / CPCB issued from time to time.
54	The industry shall submit compliance reports on the conditions mentioned in the consent order, safety audit reports, Fire NOC, Onsite / Offsite emergency plans (modifications if any), every six months i.e., on 1st of January and July of every year to the Regional Office/ Zonal Office.	Complied with half yearly report send to APPCB.

55	The following rules and regulations (as amended and upgraded from time to time) notified by the MoEF&CC, GoI shall be implemented. - Regulation of Persistent Organic Pollutants Rules, 2018. - Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016. - Plastic Waste Management Rules, 2022. - Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989. - Fly Ash Notification, 2016. - Battery Waste Management Rules, 2022. - E-Waste (Management) Rules, 2022. - Construction and Demolition waste Management Rules, 2016. - Solid Waste Management Rules, 2016. - The Public Liability Insurance Act, 1991 and its amendments thereof. - Bio Medical Waste Management Rules, 2016.	Note will be Complied.
56	The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent for Establishments (CFE) and Consent for Operation (CFO) through website i.e., https://pcb.ap.gov.in by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the audited through NABL accredited third party.	Submitting the EC and CTO six monthly compliance report for the period of 1 st January 2026 to 30 th June 2026 (As on July 2026) to the Regional Office.
57	The industry shall install digital display boards at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, Treated effluent concentrations Vs discharge standards, Stack emission & AAQ concentrations Vs standards, hazardous waste generation, disposed, stock Vs permitted quantities and validity of CTO; and exhibit the CTO order at a prominent place in the factory premises, as per Hon'ble Supreme Court order.	Installed digital display boards at the main gate in the factory premises, as per Hon'ble Supreme Court order. Annexure-VIII
58	The industry shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO on yearly base.	Maintaining valid PLI policy which includes Environmental Relief Fund (ERF) and submitted a copy to RO on yearly basis. Annexure-IX
59	The industry shall submit the Environmental Statement in Form – V.	Submitted Environmental Statement in Form-V to the Regional Office. Annexure-X

60	The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.	Will be complied.
61	The industry shall extend training to the working personnel for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.	Complied with
62	The industry shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office.	Noted and will be complied with
63	The industry shall install fluorescent Wind Vane at the highest point in the industry premises.	Complied with
64	The industry shall submit Risk analysis and risk assessment covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.	Noted and will be complied
65	The industry shall submit the copy of the safety audit report and On-Site / Off Site Emergency Plans as applicable after being certified by the Factories Department to the APPCB, Regional Office from time to time, if the storage quantity of hazardous chemicals is equal to or, in excess of the threshold quantities specified in schedule 2 & 3 of MSIHC Rules, 1989.	Noted and Will be complied

SCHEDULE – C

S.No.	CONDITION	COMPLIANCE
1.	The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.	Noted
2.	The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.	Noted.
3.	The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.	Noted.

4.	Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.	Noted.
5.	The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;	Being Complied. Annexure-XI
6.	The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.	Noted.
7.	It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.	Noted.
8.	An application for the renewal of an authorisation shall be made as laid down under these Rules.	Noted.
9.	The authorized person shall comply any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.	Noted.
10	The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.	Noted and will be complied
11	The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.	Being Complied with
12	The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.	Being Complied with
13	The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed	Complied.

	in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.	
14	The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorisation in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.	Complied.
15	The industry shall route the hazardous waste through M/s. APEMC.	Being Complied with.

ANNEXURE – II

TEST REPORT OF INTAKE WATER FROM CREEK AND OUTFALL TO SEA

DATE OF COLLECTION OF SAMPLE : 23-05-2026
DATE OF RECEIPT OF SAMPLE : 25-05-2026
STARTING DATE OF ANALYSIS OF SAMPLE : 25-05-2026
COMPLETION DATE OF ANALYSIS OF SAMPLE : 01-06-2026

S.No	Parameter	Units	Intake	Outfall Phase-01	Outfall Phase-02	Limiting Standards as per CFO
1.	pH	-	7.45	8.08	8.36	6.5-8.5
2.	Colour	Hazen	1.5	2.2	2.7	*
3.	Odour	-	Unobjectio nable	Unobjecti onable	Unobjecti onable	*
4.	Temperature	°C	26.9	28.1	29.6	Should not exceed 5°C above the receiving water temperature
5.	Oil & Grease	mg/l	6.5	9.0	6.0	10.0
6.	Total Suspended Solids	mg/l	8.0	10.0	7.0	100
7.	Total Dissolved Solids	mg/l	18890	26410	24242	*
8.	Total Residual Chlorine	mg/l	< 0.01	0.03	0.02	1.0
9.	Biochemical Oxygen Demand	mg/l	6.5	13.0	17.0	100
10.	Chemical Oxygen Demand	mg/l	18.0	47.0	56.5	250
11.	Free Ammonia	mg/l	< 0.1	< 0.1	< 0.1	5.0
12.	Ammonical Nitrogen	mg/l	0.17	0.29	0.22	50
13.	Total Kjeldhal Nitrogen	mg/l	4.9	6.2	5.3	100
14.	Zinc	mg/l	0.06	0.09	0.03	1.0
15.	Lead	mg/l	< 0.01	< 0.01	< 0.01	2.0
16.	Cadmium	mg/l	< 0.01	< 0.01	< 0.01	2.0
17.	Mercury	mg/l	< 0.001	< 0.001	< 0.001	0.01
18.	Arsenic	mg/l	< 0.01	< 0.01	< 0.01	0.2
19.	Copper	mg/l	< 0.05	< 0.05	< 0.05	3.0
20.	Nickel	mg/l	< 0.01	< 0.01	< 0.01	5.0
21.	Cyanide	mg/l	< 0.02	< 0.02	< 0.02	0.2
22.	Fluoride	mg/l	0.16	0.41	0.29	15
23.	Phosphates	mg/l	0.04	0.07	0.03	5.0
24.	Sulphates	mg/l	1588	2710	2414	*

25.	Sulphide	mg/l	0.04	0.13	0.09	5.0
26.	Manganese	mg/l	< 0.01	< 0.01	< 0.01	2.0
27.	Iron	mg/l	0.07	0.11	0.06	3.0
28.	Phenolic Compounds	mg/l	< 0.001	<0.001	<0.001	5.0
29.	Bio Assay Test	%	95% survival	95% survival	95% survival	90% survival of fish after 96 hours in 100% effluent
30.	Vanadium	mg/l	< 0.01	< 0.01	< 0.01	0.2
31.	Nitrate Nitrogen	mg/l	2.27	4.05	2.86	20
32.	Total Chromium	mg/l	< 0.05	< 0.05	< 0.05	2.0
33.	Particulate Size Of Suspended Solids a. Floatable Solids b. Settlable Solids	a. mm b. microns	a. < 1.0 mm b. < 300 microns	a. < 1.0 mm b. < 400 microns	a. < 1.0 mm b. < 400 microns	a. 3mm b. 850 microns
34.	Radioactive Materials a. Alpha Emitter Micro b. Beta Emitter Micro	Curie/ml	Not Detected	Not Detected	Not Detected	a. 10^{-7} b. 10^{-6}

Note: 1. All the above parameters have been tested as per APHA 24th Edition, 2023.

2. * denotes not specified in Limiting Standards as per CFO

ANNEXURE –V

TEST REPORT OF STACK EMISSION

SOURCE OF COLLECTION: UNIT –III CHIMNEY

DATE & TIME OF COLLECTION: 23-05-2026 @ 12:45 hrs

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Diameter of the Stack	mts	3.46
2.	C/s Area of Stack	sq.mt	9.397706
3.	Pitot Coefficient	-	0.8542
4.	Specific Gravity of Fluid	-	1.0
5.	Temperature @ DGM	⁰ C	35
6.	Stack Temperature	⁰ C	128
7.	Nozzle Diameter	mm	09
8.	Exit Velocity	m/sec	13.9
9.	Gas Quantity	m ³ /hr	470261
10.	Duration of Sampling	min	45
11.	Stack height	mts	275
12.	Load	MW	224

EMISSION RATE

S.No.	Parameter	Unit	Result	Standard
1.	Particulate Matter – PM	mg/Nm ³	21.6	30
2.	Sulphur dioxide – SO ₂	mg/Nm ³	141	-
3.	Oxides of Nitrogen – NO _x	mg/Nm ³	56.9	-

TEST REPORT OF STACK EMISSION

SOURCE OF COLLECTION: UNIT –IV CHIMNEY

DATE & TIME OF COLLECTION: 23-05-2026 @ 13:45 hrs

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Diameter of the Stack	mts	3.46
2.	C/s Area of Stack	sq.mt	9.397706
3.	Pitot Coefficient	-	0.8542
4.	Specific Gravity of Fluid	-	1.0
5.	Temperature @ DGM	⁰ C	36
6.	Stack Temperature	⁰ C	138
7.	Nozzle Diameter	mm	09
8.	Exit Velocity	m/sec	14.4
9.	Gas Quantity	m ³ /hr	487177
10.	Duration of Sampling	min	45
11.	Stack height	mts	275
12.	Load	MW	246

EMISSION RATE

S.No.	Parameter	Unit	Result	Standard
1.	Particulate Matter – PM	mg/Nm ³	19.2	30
2.	Sulphur dioxide – SO ₂	mg/Nm ³	136	-
3.	Oxides of Nitrogen – NO _x	mg/Nm ³	86.1	-

TEST REPORT OF STACK EMISSION

SOURCE OF COLLECTION: UNIT –II CHIMNEY

DATE & TIME OF COLLECTION: 23-05-2026 @ 15:55 hrs

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Diameter of the Stack	mts	3.46
2.	C/s Area of Stack	sq.mt	9.397706
3.	Pitot Coefficient	-	0.8542
4.	Specific Gravity of Fluid	-	1.0
5.	Temperature @ DGM	⁰ C	36
6.	Stack Temperature	⁰ C	133
7.	Nozzle Diameter	mm	09
8.	Exit Velocity	m/sec	18.3
9.	Gas Quantity	m ³ /hr	619120
10.	Duration of Sampling	min	45
11.	Stack height	mts	220
12.	Load	MW	80

EMISSION RATE

S.No.	Parameter	Unit	Result	Standard
1.	Particulate Matter – PM	mg/Nm ³	41.6	50
2.	Sulphur dioxide – SO ₂	mg/Nm ³	164	-
3.	Oxides of Nitrogen – NO _x	mg/Nm ³	138	-




ENVIRONMENT DISPLAY BOARDS AT MAIN GATE



Sprinklers at Coal yard Phase-I & II

Around the coal yard, an integrated water-based dust control and safety system has been established, consisting of a network of fixed sprinklers, Bag filters and tunnel ventilation system. The sprinkler system is operated at regular intervals to suppress fugitive dust generated during coal handling, stacking, and reclaiming activities, thereby maintaining air quality and minimizing dust dispersion to surrounding areas. The fire hydrant pipeline runs along the coal yard perimeter and serves a dual purpose by providing immediate water availability for both dust suppression and emergency firefighting requirements. The system is maintained in good working condition, with periodic inspection of valves, nozzles, and pressure levels to ensure reliable performance during routine operations as well as emergency situations. This arrangement supports effective dust control and enhances the overall safety and environmental compliance of the coal-handling area.



Tunnel ventilation and Bag filters system at Coal yard Phase-I & II



Greenbelt in plant premises and coal yard surroundings



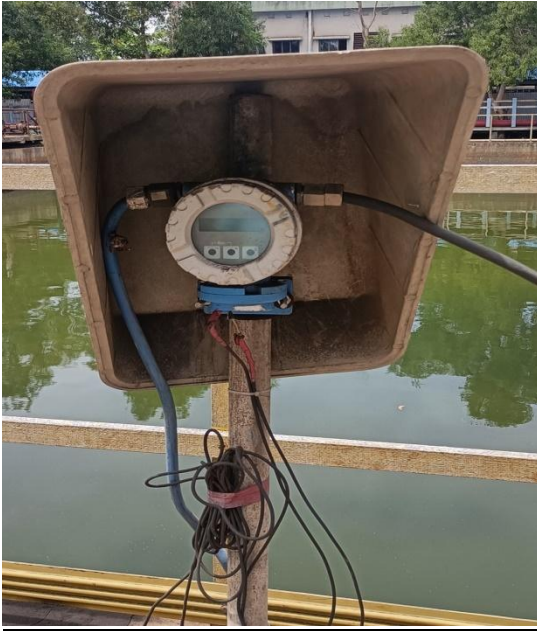




Loading of fly ash in to Trucks/Bunkers.



Flow Meters With Totalizers at different sources



CMB Flow Meter



N Pit Flow Meter



SW RO Flow Meter



CT Blowdown Flow Meter

Flow meters at outfall area



Dust cleaning Measures :





Digital Display :



MEENAKSHI ENERGY				
CAAQMS - 1 DATA				
#	PARAM	VAL	STD	UNIT
1	PM 10	51.90	100	ug/m3
2	PM 2.5	30.90	060	ug/m3
3	SO2	14.30	080	ug/m3
4	NO2	03.70	080	ug/m3
Data as on : 29/12/2025 18:08				



MEENAKSHI ENERGY				
PHASE 2 CEMS UNIT 2 DATA				
#	PARAM	VAL	STD	UNIT
1	PM	02.60	050	mg/Nm3
2	SO2	00.30	600	mg/Nm3
3	NOX	01.20	300	mg/Nm3
Data as on : 23-12-2025 12:34				

Date: 28/04/2026

**MEENAKSHI ENERGY LIMITED
THAMMINAPATNAM VILLAGE INDUSTRIAL PARK
THAMMINAPATNAM TIRUPATI ANDHRA PRADESH
CHILLAKUR - 524412
NELLORE
ANDHRA PRADESH
INDIA
37AAACV8814G2Z5(GSTIN Number)**

Policy No : 0304013657

Renewal : 01

Endorsement : 00

Dear Sir / Madam,

We thank you for choosing **Tata AIG General Insurance Company Ltd.** as your preferred insurer. Your Policy No. Is 0304013657 01 00.

We are glad that you have chosen our product **PUBLIC LIABILITY ACT** and given us an opportunity to be your risk carrier for this Product.

'Casualty Line' caters to most of the Enterprises / Industries in India, whether Large, Medium or Small. As one of the India's most established insurance companies, we understand these unique needs of coverage. At Tata AIG we care for you and would strive to offer convenience coupled with a range of products that cater continuously to your ever increasing needs.

Enclosed please find your policy docket based on the information furnished by you in the Proposal.

We look forward to a long and mutually beneficial relationship and providing you wider range of benefits in the years to come.

Yours Sincerely,

For Tata AIG General Insurance Company Limited

Digitally Signed by: Malpa Devi Maharana

Date: 28/04/2026

Location: Mumbai

**PUBLIC LIABILITY ACT POLICY
POLICY SCHEDULE**

Agent/Broker Name -MARSH INDIA INSURANCE BROKERS PVT LTD

Agent/Broker License Code - 120:Agent/Broker :Contact No - 022-66512947 (mobile or landline)

Attaching to and forming part of Policy No. 0304013657 01 00
Name of Insured Owner: Meenakshi Energy Limited
Business: Thermal Power Generation

Address: THAMMINAPATNAM VILLAGE INDUSTRIAL PARK
THAMMINAPATNAM TIRUPATI ANDHRA PRADESH
CHILLAKUR - 524412
NELLORE
ANDHRA PRADESH
INDIA
37AAACV8814G2Z5(GSTIN Number)
Place of supply -ANDHRA PRADESH
State code -37

Territorial limits: Anywhere in India

Policy Period: **From:** 14/04/2026 12:00 AM/ PM
To Midnight of: 13/04/2027 12:00 AM/ PM

Indemnity limit:Rs 10,000,000.00(AOA Limit) in respect of any one accident and not exceeding Rs 20,000,000.00(AOY Limit) in the aggregate during the policy period.

Service Tax Registration No:
Premium ₹ 3,500.00
IGST @18 % ₹ 630.00

**Contribution to the
Environment Relief Fund:₹ 3,500.00**

Date of Proposal and declaration:14/04/2026

In witness whereof the undersigned being duly authorized by the company and on behalf of the company has hereto set his hand at GURGAON on 28/04/2026

The stamp duty of 0.25 paid in cash or demand draft or by pay order,vide Receipt/Challan no: LOA/ENF-1/CSD/174/2026 dated the 25/03/2026

For Tata AIG General Insurance Company Limited
Digitally Signed By: Malpa Devi Maharana
Date: 28/04/2026
Location: Mumbai

Date :28/04/2026
Place :GURGAON

Policy Servicing Office
Tata AIG General Insurance Company Limited
UNITECH CYBER PARK, TOWER-C,, UNIT NOS – 604,605, 606, 607,,GURGAON,HARYANA,GURGAON-122003
Tel No:91-91-7400412169

RECEIPT

Receipt No. : 101021133776136

Receipt Date : 14/04/2026

Policy No : 0304013657 01 00

Received with thanks from MEENAKSHI ENERGY LIMITED a sum of ₹ **7,630.00** (Rupees Seven Thousand Six Hundred Thirty And Paise Zero Only)

Sr. No.	Policy Number	Total Premium (₹)	Utilized from the receipt for policy (₹)	Balance (₹)
1	0304013657 01 00	7,630.00	7,630.00	0.00

Note:

1. This is a computer generated receipt and does not require a signature.
2. Upon issuance of this Receipt, all previously issued temporary receipts, if any, related to this Policy shall be considered null and void.
3. Amounts received by cheque shall be subject to realisation.
4. Any amount received in excess of the Premium is being/shall be refunded by the Company.

GSTIN : 06AABCT3518Q120 - HARYANA Service Accounting Code : 997139

Insurance is the subject matter of the solicitation. For more details on risk factors, terms and conditions, please read sales brochure carefully before concluding a sale.
TATA AIG General Insurance Company Ltd. Regd. Office: 15th floor, Tower A, Peninsula Business Park, Ganpatrao Kadam Marg, Off Senapati Bapat Marg, Lower Parel, Mumbai- 400 013.

IRDA Registration No.108, CIN No : U85110MH2000PLC128425, PAN : AABCT3518Q
Website: www.tataaig.com 24*7 Customer Support Number 022 6489 8282 E-mail: customersupport@tataaig.com

LIABILITY INSURANCE POLICY (UNDER PUBLIC LIABILITY INSURANCE ACT 1991)

1. OPERATIVE CLAUSE

Whereas the Insured Owner named in the schedule hereto and carrying on business described in the said schedule has applied to the Tata AIG General Insurance Company Limited (hereinafter called the Company) for the indemnity hereinafter contained and has made a written proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein and has paid the premium and statutory contribution towards the Environment Relief Fund as per the provisions of the Public Liability Insurance Act and the rules framed thereunder.

NOW THIS POLICY WITNESSETH that subject to the terms, exceptions and conditions contained herein or endorsed hereon, the company will indemnify the insured owner against the statutory liability arising out of accidents occurring during the currency of the policy due to handling hazardous substances as provided for in the said Act and the Rules framed thereunder.

2. DEFINITIONS:

- a) "ACT" unless otherwise specifically mentioned shall mean the Public Liability Insurance Act 1991 as amended from time to time;
- b) "Accident" means an accident involving a fortuitous, sudden or unintentional occurrence while handling any hazardous substance resulting in continuous, intermittent or repeated exposure to death of, or injury to any person or damage to any property but does not include an accident by reason only of war or radioactivity;
- c) "Handling" in relation to any hazardous substance means the manufacture, processing, treatment, package, storage, transportation by vehicle, use, collection, destruction, conversion, offering for sale, transfer or the like of such hazardous substance;
- d) "Hazardous Substance" means any substance or preparation which is defined as hazardous substance under the Environment (Protection) Act, 1986, and exceeding such quantity as may be specified, by notification, by the Central Government;
- e) "Owner" means a person who owns, or has control over handling any hazardous substance at the time of accident and includes:
 - i) in the case of a firm any of its partners;
 - ii) in the case of an association, any of its members, and
 - iii) in the case of a company, any of its directors, managers, secretaries or other officers who is/are directly in charge of, and is/are responsible to the company for the conduct of the business of the company;
- f) "Turnover" shall mean
 - i) Manufacturing units-Annual Gross Sales of all goods including all levies and taxes
 - ii) Godowns/ warehouse owners-Total Annual rental receipts.
 - iii) Transport Operators-Total Annual freight receipts.
 - iv) Others-Total Annual gross receipts.

3. EXCLUSIONS:

- (1) arising out of wilful or intentional non-compliance of any Statutory provisions.
- (2) in respect of fines, penalties, punitive and/or exemplary damages.
- (3) arising under any other legislation except in so far as provided for in Section 8 Sub Section (1) and (2) of the Act.
- (4) in respect of damage to property owned, leased or hired or under hire purchase or on loan to the Insured or otherwise in the Insured Owner's control, care or custody.
- (5) directly or indirectly occasioned by, happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection or military or usurped power;
- (6) directly or indirectly caused by or contributed to by.
 - (a) ionising radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel
 - (b) the radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.

4. CONDITIONS:

The Insured owner shall give written notice to the Company as soon as reasonably practicable of any claim made against the Insured Owner or of any specific event or (1) circumstance that may give rise to a claim. The Insured Owner shall immediately give to the Company copies of notice of applications forwarded by the Collector and all

Insurance is the subject matter of the solicitation. For more details on risk factors, terms and conditions, please read sales brochure carefully before concluding a sale.
TATA AIG General Insurance Company Ltd. Regd. Office: 15th floor, Tower A, Peninsula Business Park, Ganpatrao Kadam Marg, Off Senapati Bapat Marg, Lower Parel, Mumbai- 400 013.
IRDA Registration No.108, CIN No : U85110MH2000PLC128425, PAN : AABCT3518Q, UIN No : IRDAN108CP0058V01201819
Website: www.tataaig.com Customer Support Number 022 6489 8282 E-mail: customersupport@tataaig.com

such additional information and or assistance that the company may require.

- (2) No admission, offer, promise or payments shall be made or given by or on behalf of the Insured owner under this policy without the written consent of the Company.
 - (3) The Company shall not be liable for any claim for relief made after five years from the date of occurrence of the accident.
 - (4) The Insured Owner shall keep record of annual turnover, and at the time of renewal of insurance declare such turnover and all other details as may be required by the Company. The Company shall at all reasonable times have full rights to call for and examine such records.
 - (5) If at the time of happening of any accident resulting in a claim under this policy there be any other insurance covering the same liability, then the Company shall not be liable to pay or contribute more than its ratable proportion of such liability.
 - (6) This policy may be cancelled by the Insured Owner by giving 30 days notice in writing to the company in which event the Company will retain premium at short period scale subject to there not having occurred an accident during the policy period which may give rise to a claim(s), failing which no refund of premium shall be allowable.
 - (7) This Policy may also be cancelled by the Insurer by giving 30 days notice in writing to the Insured Owner in which event the Company shall be liable to repay on demand a ratable proportion of the premium for the unexpired term from the date of cancellation.
- If the Company shall disclaim liability to the Insured Owner for any claim hereunder and such claim shall not within 12 calendar months from the date of such disclaimer
- (8) have been made the subject matter of a suit in a competent court of law, then the claim for the practical purposes shall be deemed to have been abandoned and shall not thereafter be recoverable hereunder or be made the subject matter of any suit.
- The Company shall not be liable to make any payment in respect of any claim if such claim shall be in any manner fraudulent or supported, by any person on behalf of the
- (9) Insured Owner and/or if the insurance has been continued in consequence of any material misstatement or non-disclosure of any material information by or on behalf of the Insured Owner. In such a case if the Company pays any amount to the claimant due to any statutory provision such amount shall be recoverable from the Insured Owner.
- (10) The Policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been assigned in the Act and the Rules framed thereunder or in this Policy shall bear such specific meaning.
 - (11) Any dispute regarding interpretation of the terms, conditions and exclusions of this Policy shall be determined in accordance with the law and practice of a court of competent jurisdiction within India.

GRIEVANCE REDRESSAL POLICY

Grievance Lodgment Stage

The Company is committed to extend the best possible services to its customers. However, if you are not satisfied with our services and wish to lodge a complaint, please feel free to contact us through below channels:

Call us 24*7 Customer Support Number 022 6489 8282

Email us at customersupport@tataaig.com

Write to us at : Customer Support, Tata AIG General Insurance Company Limited

A-501 Building No.4 IT Infinity Park, Dindoshi, Malad (E), Mumbai - 400097

Visit the Servicing Branch mentioned in the policy document

Nodal Officer

Please visit our website at www.tataaig.com to know the contact details of the Nodal Officer for your servicing branch.

After investigating the grievance internally and subsequent closure, we will send our response within a period of 10 days from the date of receipt of the complaint by the Company or its office in Mumbai. In case the resolution is likely to take longer time, we will inform you of the same through an interim reply.

Escalation Level 1

For lack of a response or if the resolution still does not meet your expectations, you can write to manager.customersupport@tataaig.com. After investigating the matter internally and subsequent closure, we will send our response within a period of 8 days from the date of receipt of your complaint.

Escalation Level 2

For lack of a response or if the resolution still does not meet your expectations, you can write to the Head-Customer Services at head.customerservices@tataaig.com. After examining the matter, we will send you our response within a period of 7 days from the date of receipt of your complaint. Within 30 days of lodging a complaint with us, if you do not get a satisfactory response from us and you wish to pursue other avenues for redressal of grievances, you may approach Insurance Ombudsman appointed by IRDA under the Insurance Ombudsman Scheme. Given below are details of the Insurance Ombudsman located at various centers.

List of Insurance Ombudsman Offices

Office of the Ombudsman	Address & Contact details	Jurisdiction of Office Union Territory, District
AHMEDABAD	Office of the Insurance Ombudsman, Jeevan Prakash Building, 6th Floor, Tilak Marg, Relief Road, Ahmedabad - 380 001. Tel.: 079 - 25501201/02/05/06 Email: bimalokpal.ahmedabad@ecoi.co.in	Gujarat, Dadra & Nagar Haveli, Daman and Diu.
BENGALURU	Office of the Insurance Ombudsman, Jeevan Soudha Building, PID No. 57-27-N-19 Ground Floor, 19/19, 24th Main Road, JP Nagar, 1st Phase, Bengaluru - 560 078. Tel.: 080 - 26652048 / 26652049 Email: bimalokpal.bengaluru@ecoi.co.in	Karnataka
BHOPAL	Office of the Insurance Ombudsman, Janak Vihar Complex, 2nd Floor, 6, Malviya Nagar, Opp. Airtel Office, Near New Market, Bhopal - 462 003. Tel.: 0755 - 2769201 / 2769202 Fax: 0755 - 2769203 Email: bimalokpal.bhopal@ecoi.co.in	Madhya Pradesh Chattisgarh
BHUBANESHWAR	Office of the Insurance Ombudsman, 62, Forest park, Bhubneshwar - 751 009. Tel.: 0674 - 2596461 /2596455 Fax: 0674 - 2596429 Email: bimalokpal.bhubaneswar@ecoi.co.in	Orissa
CHANDIGARH	Office of the Insurance Ombudsman, S.C.O. No. 101, 102 & 103, 2nd Floor, Batra Building, Sector 17 - D, Chandigarh - 160 017. Tel.: 0172 - 2706196 / 2706468 Fax: 0172 - 2708274 Email : bimalokpal.chandigarh@ecoi.co.in	Punjab, Haryana, Himachal Pradesh, Jammu & Kashmir, Chandigarh
CHENNAI	Office of the Insurance Ombudsman, Fatima Akhtar Court, 4th Floor, 453, Anna Salai, Teynampet, CHENNAI - 600 018. Tel.: 044 - 24333668 / 24335284 Fax: 044 - 24333664 Email : bimalokpal.chennai@ecoi.co.in	Tamil Nadu, Pondicherry Town and Karaikal (which are part of Pondicherry).
DELHI	Office of the Insurance Ombudsman, 2/2 A, Universal Insurance Building, Asaf Ali Road, New Delhi - 110 002. Tel.: 011 - 23239633 / 23237532 Fax: 011 - 23230858 Email: bimalokpal.delhi@ecoi.co.in	Delhi
GUWAHATI	Office of the Insurance Ombudsman, Jeevan Nivesh, 5th Floor, Nr. Panbazar over bridge, S.S. Road, Guwahati - 781001(ASSAM). Tel.: 0361 - 2132204 / 2132205 Fax: 0361 - 2732937 Email : bimalokpal.guwahati@ecoi.co.in	Assam, Meghalaya, Manipur, Mizoram, Arunachal Pradesh, Nagaland and Tripura
HYDERABAD	Office of the Insurance Ombudsman, 6-2-46, 1st floor, "Moin Court", Lane Opp. Saleem Function Palace, A. C. Guards, Lakdi-Ka-Pool, Hyderabad - 500 004. Tel.: 040 - 65504123 / 23312122 Fax: 040 - 23376599 Email : bimalokpal.hyderabad@ecoi.co.in	Andhra Pradesh, Telangana, Yanam and part of Territory of Pondicherry.
JAIPUR	Office of the Insurance Ombudsman, Jeevan Nidhi - II Bldg., Gr. Floor, Bhawani Singh Marg, Jaipur-302 005. Tel.: 0141 - 2740363 Email: Bimalokpal.jaipur@ecoi.co.in	Rajasthan
ERNAKULAM	Office of the Insurance Ombudsman, 2nd Floor, Pulinat Bldg., Opp. Cochin Shipyard, M. G. Road, Ernakulam - 682 015. Tel.: 0484 - 2358759 / 2359338 Fax: 0484 - 2359336 Email : bimalokpal.ernakulam@ecoi.co.in	Kerala, Lakshadweep, Mahe-a part of Pondicherry
KOLKATA	Office of the Insurance Ombudsman, Hindustan Bldg. Annexe, 4th Floor, 4, C.R. Avenue, KOLKATA-700 072. Tel.: 033 - 22124339 / 22124340 Fax : 033 - 22124341 Email: bimalokpal.kolkata@ecoi.co.in	West Bengal, Sikkim, Andaman & Nicobar Islands
LUCKNOW	Office of the Insurance Ombudsman, 6th Floor, Jeevan Bhawan, Phase-II, Nawal Kishore Road, Hazratganj, Lucknow - 226 001. Tel.: 0522 - 2231330 / 2231331 Fax: 0522 - 2231310 Email : bimalokpal.lucknow@ecoi.co.in	Districts of Uttar Pradesh : Laitpur, Jhasi, Mahoba, Hamirpur, Banda, Chitrakoot, Allahabad, Mirzapur, Sonbhadra, Fatehpur, Pratapgarh, Jaunpur, Varanasi, Gaziipur, Jalaun, Kanpur, Lucknow, Unnao, Sitapur, Lakhimpur, Bahraich, Barabanki, Raebareli, Sravasti, Gonda, Faizabad, Amethi, Kaushambi, Balrampur, Basti, Ambedkarnagar, Sultanpur, Maharajgang, Santkabirnagar, Azamgarh, Kushinagar, Gorkhpur, Deoria, Mau, Ghazipur, Chandauli, Ballia, Sidharathnagar

MUMBAI	Office of the Insurance Ombudsman, 3rd Floor, Jeevan Seva Annexe, S. V. Road, Santacruz (W), Mumbai - 400 054. Tel.: 022 - 26106552 / 26106960 Fax: 022 - 26106052 Email : bimalokpal.mumbai@ecoi.co.in	Goa, Mumbai Metropolitan Region excluding Navi Mumbai & Thane
NOIDA	Office of the Insurance Ombudsman, Bhagwan Sahai Palace, 4th Floor, Main Road, Naya Bans, Sector 15, Distt: Gautam Buddh Nagar, U.P-201301. Tel.: 0120-2514250 / 2514252 / 2514253 Email : bimalokpal.noida@ecoi.co.in	State of Uttaranchal and the following Districts of Uttar Pradesh : Agra, Aligarh, Bagpat, Bareilly, Bijnor, Budaun, Bulandshehar, Etah, Kanooj, Mainpuri, Mathura, Meerut, Moradabad, Muzaffarnagar, Oraiyya, Pilibhit, Etawah, Farrukhabad, Firozbad, Gautambodhanagar, Ghazaibad, Hardoi, Shahjahanpur, Hapur, Shamli, Rampur, Kashganj, Sambhal, Amroha, Hathras, Kanshiramnagar, Saharanpur
PATNA	Office of the Insurance Ombudsman, 1st Floor, Kalpana Arcade Building, Bazar Samiti Road, Bahadurpur, Patna 800 006. Tel.: 0612-2680952 Email: bimalokpal.patna@ecoi.co.in	Bihar, Jharkhand
PUNE	Bhagwan Sahai Palace , 4th Floor, Main Road, Naya Bans, Sector 15, G.B. Nagar, Noida. NOIDA – 201301 Tel: 0120-2514250/51/53 Email: bimalokpal.noida@gbic.co.in	Maharashtra, Area of Navi Mumbai and Thane excluding Mumbai Metropolitan Region

Ref.No: - MEL/CTO/APPCB/2025-26/08

September 29, 2025

To,

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

Subject: Submission of Environmental Statement for the financial year 2024-25-Reg**Ref:** 1. Rule No.14 of Environment (Protection) Rules 1986 & Amendments thereof.

2. Vide consent Order. 280810/APPCB/TPT/TPT/CTO/HO/2025, Dt: 13-04-2025.

Dear Sir,

With reference to the above subject and citations, we hereby submit the **Environmental Statement in Form-V** for the financial year **April 2024 to March 2025** of **M/s Meenakshi Energy Limited** for your kind perusal.

Kindly acknowledge receipt of the same.

Thanking you,

For and on behalf of
Meenakshi Energy Limited

Binu Raphael
Chief Executive Officer



Enc: Environmental statement Report

Copy to: The Environmental Engineering, APPCB, Regional Office, Tirupati.

Copy to: Sr.Environmental Engineer, JCE, APPCB, Zonal Office, Tirupati.

ENVIRONMENT STATEMENT REPORT

FOR THE FINANCIAL YEAR 2024-25

IN RESPECT OF

M/s. MEENAKSHI ENERGY LIMITED

**THAMMINAPATNAM (V), CHILLAKUR (M), TIRUPATI
DISTRICT**

ANDHRA PRADESH

Sensitivity: Internal (C3)



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FORM-V
(See rule 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR 2024-25

PART-A

01. Name and address of the owner/ occupier of the industry operation or process : Mr. Asim Kumar De
M/s. Meenakshi Energy Limited.
Thamminapatnam (Village)
Chillakur (Mandal), Tirupati (District)
Andhra Pradesh, Pin- 524344.

02. Industry category : Red Category
Primary – (STC Code)
Secondary – (SIC Code).

03. Production capacity – Units : 1000 MW
Phase-I: 2x150 MW
Phase-I: 2x 350 MW

04. Year of Establishment : 2012

05. Date of last environmental statement submitted : 09.10.2024



Asim
Asim

PART-B

WATER AND RAW MATERIAL CONSUMPTION

1. Water Consumption			
S. No	Water Consumption	During previous Year 2023-2024 [m3/day]	During current Year 2024-2025 [m3/day]
i	Process	NA	3392.92
ii	Cooling	NA	7834.19
Iii	Domestic	NA	22
iv	Others	NA	0
	Total	NA	11249.11
2. Process water consumption			
S. No	Name of the product	Process water consumption per unit of product	
		During the previous financial year 2023-2024	During the current financial year 2024 - 2025
i	Electricity	NA	14.50 Sp. water con/MWH

3. Raw material consumption				
S. No	Name of the raw material	Name of products	Consumption of raw material per unit of energy output (Power- kwhr)	
			During the financial year 2023- 2024	During the financial year 2024- 2025
1	Coal-kg/Kw-hr	Electricity	NA	205007.40



Dem

PART-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)			
Pollutants	Quality of Pollutants discharged (mass/day)	Concentrations of pollutants discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons.

a) Stack Emissions

S. No	Parameter	NOX	PM	SOX	
Concentration of Pollutants Discharged (mg/Nm ³)					
1	Unit-I	43.60	209	142	Well within the limits As Per APPCB. Ref: CFO for 2X150 & 2X350 MW dated 13.04.2025.
2	Unit-II	43.20	262	150	
3	Unit-III	NA	NA	NA	
4	Unit-IV	NA	NA	NA	

Month Wise Report of Ambient Air Quality is enclosed as Annexure-II

b) Ambient Air Quality

S. No	Location	PM10 [µg/m ³]	PM2.5 [µg/m ³]	SO2 [µg/m ³]	NOx [µg/m ³]	
1	Admin Building	65.78	24.52	19.91	12.95	Well within the limits As Per APPCB. Ref: CFO for 2X150 & 2X350 MW dated 13.04.2025
2	Site - Ash Pond	65.38	25.61	12.47	12.96	
3	Thamminapatnam	64.40	24.68	13.15	12.81	
4	Teegapalem	62.96	24.20	12.63	12.15	
5	Pallevanidibba	63.26	23.70	13.23	12.47	
6	Varagalli	63.46	23.98	12.82	12.36	

Month Wise Report of Ambient Air Quality is enclosed as Annexure-I



Signature

PART-D

HAZARDOUS WASTES

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

Hazardous Wastes	Total Quantity in (MT)	
	During the previous financial year 2023- 2024	During the current financial year 2024-2025
(a) From process	NA	Nil
(b) From pollution control facilities	NA	Nil

PART-E

SOLID WASTES

Total Quantity in (MT)		
	During the previous financial year 2023-2024	During the current financial year 2024-2025
(a) From process Fly & bed ash	NA	14879
(b) From pollution control facilities	NA	
(c) (1) Quantity recycled or re-utilized within the unit.	NA	5739.78
(2) Sold	NA	9139.22
(3) Disposed	NA	NA

Sensitivity: Internal (C3)



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PART-F

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

Ash generated being disposed to authorized recyclers through closed or covered trucks. In the reporting year, 100% ash utilization achieved. Ash analysis sample report enclosed herewith as **Annexure-III**

PART-G

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

- Power Generation is done using saline water which is being withdrawn from kandaleru creek and around 65% of water discharged to sea through outfall as per prescribed standards
- Meenakshi energy limited using Imported Coal of 7.26% ash content. Hence the net Ash generation is very low.
- Electro Static Precipitator of 10 fields for each boiler has been provided to control the SPM emission less than 50 mg/Nm³.
- 100% Fly ash utilization has been achieved in the FY 2024-25. Fly ash is being utilized for road manufacturing and internal construction.
- Continuous Online Stack Monitoring System has been provided for continuous monitoring of SPM, Sulphur dioxide and Nitrogen Oxides in chimney emissions. Data is continuously available in APPCB & CPCB web site.
- Continuous Online Effluent Monitoring System has been provided for continuous monitoring of Temperature, pH and TSS in outfall water and Data is continuously available in APPCB & CPCB web site.
- Continuous Ambient Air Quality Monitoring Systems installed and monitoring of PM 10, PM 2.5, SO₂ and NO_x and Data is continuously available in APPCB & CPCB web site.
- Digital display board has been installed at plant main entry gate for display the monitoring data to public domain.
- 16 Nos. high pressure jet sprinklers provided around the Coal yard to control the fugitive dust emissions in and around the coal yard with camera
- Availability of water sprinkling vehicle and dust cleaning vehicle for effective cleaning and dust suppression.
- Greenbelt development plan has been prepared. Greenbelt is being developed and maintained according to Greenbelt Development plan.
- Awareness trainings initiated to nearby villages, schools and site employees on waste management, conservation of water, single use plastic etc.

Sensitivity: Internal (C3)



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PART-H

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

- Green belt development for about 40 acres
- Sprinkling system at Phase-2 coal yard has made operable
- Dust extraction system installed in phase-I coal yard to control fugitive dust emissions

PART-I

Any other particulars for improving the quality of the environment.

Apart from the regular and general Daily /weekly/Monthly review meetings, an environmental Committee review meeting will be conducted once in a month with regard to the progress of implementation and improving the quality of the Environment.

- Trainings have been given to employees and workers on Waste Management.
- As part CSR activity awareness training giving to near villages and schools on waste management and importance of water and trees etc.
- Cleaning of plastic waste nearby beach at Srinivasa satram village.
- Celebrated environment campaigns like world water day, Earth day, World environment day, International tiger day.
- Single Use Plastic (SUP) Awareness campaign initiated and ecofriendly food cups initiated to internal celebrations.



ANNEXURE - 1

AMBIENT AIR QUALITY DATA AT A1 -Site (Admin Building) in $\mu\text{g}/\text{m}^3$

Date of Sampling	PM10	PM2.5	SO2	NOx	CO	Hg
05-08-2024	66.4	25.6	12.6	14.8	247	< 0.001
06-08-2024	63.9	23.3	10.5	13.1	-	-
12-08-2024	65.1	21.9	14.1	12.3	-	-
13-08-2024	68.4	24.8	12.3	14.8	-	-
19-08-2024	71.3	27.4	15.9	13.7	312	< 0.001
20-08-2024	67.8	25.6	13.1	11.4	-	-
26-08-2024	63.4	22.8	11.6	10.3	-	-
27-08-2024	65.6	23.4	14.8	12.5	-	-
NAAQS	100	60	80	80	4000	Not Specified

AMBIENT AIR QUALITY DATA AT A2 - Site (Ash Pond Area) in $\mu\text{g}/\text{m}^3$

Date of Sampling	PM10	PM2.5	SO2	NOx	CO	Hg
05-08-2024	71.5	28.9	13.1	15.3	398	< 0.001
06-08-2024	68.6	30.1	12.4	10.1	-	-
12-08-2024	66.3	27.4	16.2	13.8	-	-
13-08-2024	70.1	29.7	13.5	11.6	-	-
19-08-2024	73.4	32.6	10.4	14.3	422	< 0.001
20-08-2024	68.7	28.1	14.6	12.1	-	-
26-08-2024	64.9	26.4	12.4	10.4	-	-
27-08-2024	66.1	22.7	13.1	11.8	-	-
NAAQS	100	60	80	80	4000	Not Specified



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ANNEXURE – 1

AMBIENT AIR QUALITY DATA AT A3 - Gummaladibba in $\mu\text{g}/\text{m}^3$

Date of Sampling	PM10	PM2.5	SO2	NOx	CO	Hg
05-08-2024	59.3	24.1	10.6	14.1	234	< 0.001
06-08-2024	56.8	22.6	12.4	13.8	-	-
12-08-2024	62.4	25.8	14.1	11.6	-	-
13-08-2024	58.9	22.4	12.6	13.9	-	-
19-08-2024	60.7	24.9	13.8	11.7	204	< 0.001
20-08-2024	55.1	20.5	14.6	12.4	-	-
26-08-2024	63.4	25.8	12.3	10.8	-	-
27-08-2024	59.7	22.3	11.7	13.9	-	-
NAAQS	100	60	80	80	4000	Not Specified

AMBIENT AIR QUALITY DATA AT A4 –Thigapalem $\mu\text{g}/\text{m}^3$

Date of Sampling	PM10	PM2.5	SO2	NOx	CO	Hg
05-08-2024	63.8	24.1	13.4	15.8	212	< 0.001
06-08-2024	58.6	22.8	10.6	12.4	-	-
12-08-2024	60.1	26.4	12.9	14.1	-	-
13-08-2024	62.4	28.3	11.7	13.6	-	-
19-08-2024	57.6	23.1	10.2	14.4	294	< 0.001
20-08-2024	59.3	25.3	13.8	12.6	-	-
26-08-2024	63.7	21.9	14.4	13.1	-	-
27-08-2024	60.5	25.3	12.8	11.6	-	-
NAAQS	100	60	80	80	4000	Not Specified



ANNEXURE - 1

AMBIENT AIR QUALITY DATA AT A5 – Pallevanidibba in $\mu\text{g}/\text{m}^3$

Date of Sampling	PM10	PM2.5	SO2	NOx	CO	Hg
05-08-2024	60.7	22.1	16.9	12.4	248	< 0.001
06-08-2024	57.6	20.6	13.1	10.3	-	-
12-08-2024	63.2	24.5	10.6	12.8	-	-
13-08-2024	65.1	27.4	12.9	14.4	-	-
19-08-2024	61.2	21.7	13.5	15.3	267	< 0.001
20-08-2024	63.7	22.9	14.1	12.9	-	-
26-08-2024	60.4	20.1	11.9	16.4	-	-
27-08-2024	64.1	24.3	13.4	12.1	-	-
NAAQS	100	60	80	80	4000	Not Specified

AMBIENT AIR QUALITY DATA AT A6 - Varagali in $\mu\text{g}/\text{m}^3$

Date of Sampling	PM10	PM2.5	SO2	NOx	CO	Hg
05-08-2024	56.6	23.4	13.4	14.5	243	< 0.001
06-08-2024	59.4	25.6	10.1	12.3	-	-
12-08-2024	54.1	22.9	12.7	11.3	-	-
13-08-2024	58.7	24.7	13.6	10.8	-	-
19-08-2024	63.1	20.3	14.1	12.9	282	< 0.001
20-08-2024	60.4	23.1	12.7	9.8	-	-
26-08-2024	66.2	26.4	13.4	11.3	-	-
27-08-2024	62.8	21.8	10.6	14.1	-	-
NAAQS	100	60	80	80	4000	Not Specified



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ANNEXURE – IV

TEST REPORT OF STACK EMISSION

SOURCE OF COLLECTION: UNIT -I CHIMNEY

DATE & TIME OF COLLECTION: 14-08-2024 @ 11:30 hrs

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Diameter of the Stack	mts	3.46
2.	C/s Area of Stack	sq.mt	9.397706
3.	Pitot Coefficient	-	0.8542
4.	Specific Gravity of Fluid	-	1.0
5.	Temperature @ DGM	⁰ C	33
6.	Stack Temperature	⁰ C	134
7.	Nozzle Diameter	mm	09
8.	Exit Velocity	m/sec	20.7
9.	Gas Quantity	m ³ /hr	700317
10.	Duration of Sampling	min	45
11.	Stack height	mts	220

EMISSION RATE

1.	Particulate Matter – PM	mg/Nm ³	43.6
2.	Sulphur dioxide – SO ₂	mg/Nm ³	209
3.	Oxides of Nitrogen – NO _x	mg/Nm ³	142



ANNEXURE – V

TEST REPORT OF BED ASH AND FLY ASH UNIT-II

DATE OF COLLECTION OF SAMPLE : 20-02-2025
DATE OF RECEIPT OF SAMPLE : 22-02-2025
STARTING DATE OF ANALYSIS OF SAMPLE : 24-02-2025
COMPLETION DATE OF ANALYSIS OF SAMPLE : 26-02-2025

S.No	Parameter	Units	Bed Ash	Fly Ash
1.	Loss on ignition	%	2.49	2.71
2.	Silica as SiO ₂	%	65.6	58.2
3.	Alumina as Al ₂ O ₃	%	7.83	13.4
4.	Iron as Fe ₂ O ₃	%	3.2	5.3
5.	Calcium as CaO	%	0.31	1.43
6.	Magnesium as MgO	%	0.21	0.28
7.	Sodium as Na ₂ O ₃	%	0.15	0.08
8.	Potassium as K ₂ O	%	0.06	0.04
9.	Titanium as TiO ₂	%	0.02	0.05
10.	Sulphur as SO ₃	%	0.15	0.17
11.	Phosphorous as P ₂ O ₅	%	0.22	0.40
12.	Manganese as MnO	%	0.07	0.13
13.	Bulk Density	gm/cc	1.82	2.24
14.	pH 5% slurry	-	7.49	7.81
15.	Mercury as Hg	ppm	< 0.02	< 0.02
16.	Arsenic as As	ppm	0.25	0.31
17.	Lead as Pb	ppm	0.72	0.81
18.	Cadmium as Cd	ppm	< 0.01	< 0.01
19.	Selenium as Se	ppm	< 0.01	< 0.01
20.	Total Chromium as Cr	ppm	9.62	11.1
21.	Unburnt Coal	%	2.31	2.48

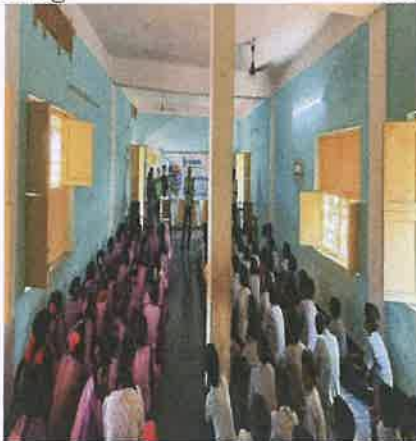


PHOTO SPREAD

Environmental Ambient and Stack Monitoring



Awareness Training Session on world water day March 2025.



Awareness training on Single use Plastic



Sam

Digital Display Board and PCB CTO Board



A digital display board for Meenakshi Energy showing real-time air quality data. The board is titled 'MEENAKSHI ENERGY' and 'CAAQM-1 DATA'. It displays a table with four rows of data: PM 10, PM 2.5, SO2, and NO2. The values are 52.50, 45.0, 17.24, and 13.15 respectively, all in units of ug/m3. The data is dated 09-01-2025 at 19:04.

#	PARAM	VALUE	UNIT
1	PM 10	52.50	ug/m3
2	PM 2.5	45.0	ug/m3
3	SO2	17.24	ug/m3
4	NO2	13.15	ug/m3

Data as on: 09-01-2025 19:04



Greenbelt Development Within the plant premises



1. Location of the Drill: Phase 2 LDO**2. Scenario of the Drill: LDO Leakage with fire****3. Date & Time: 18.04.2026 ~ 11:18 to 11:30****4. Drill conducted by:**

S. No.	Name of the organizer	Name of the organization
1	Mr. Albert Arokiaraj – Head HSE	MEL
2	Mr. S Kumarasamy – Safety & Fire	MEL

5. Mock Drill Observer:

S. No.	Name of the observer	Name of the organization
1	Mr. S Kumarasamy – Safety & Fire	MEL
2	Mr. Manohar – Safety	PMPL

6. Mock drill participants: Mr. Anil Mishra – Head O&M (incident controller), Mr. Albert Arokiaraj – Head HSE, Mr. Sourabh Mukherji – Head C&I, Mr. Kumarasamy – MEL, Mr. Rajkumar – MEL, Mr. Prasanna Kumar – O&M Head PMPL, Mr. Sampath Kulkarni – Head Operation, Mr. Jayanta Nayak – HSE Head PMPL, Mr. S K J Basha – Fire Officer, BTG shift Operators, Shift OHC Team, Shift Fire team and Shift Security team and Shift Safety officers. – 21 Employees.

7. Details of the drill (stepwise activity performed from start to end):

Time	Drill Activities
11:16	Fire Team call received from Phase 2 CCR
11:20	Fire team reached the location and started mobilising for rescue operation
11:21	Ambulance reached the incident location.
11:20	Fire Team search surrounding area.
11:23	Fire team found 2 causality immediately send to OHC department.
	HSE Head, Head security, Head C&I & Incident controller reached the incident location.
11:22	Mutual aid team reached at the location (Nellor Govt fire team)
11:30	The operations team declared that it is a mock drill.
11:35	Fire team return to fire station.

8. Positive observations/ Recommendation by observers:

s l	Positive Observation
1	The vehicle has been parked facing the wind direction.
2	The fire in the affected tank was extinguished successfully, and continuous cooling of the tank was also carried out simultaneously to prevent re-ignition
3	The Meenakshi fire team was unable to control the fire; therefore, the mutual aid fire team was called for support.
S. No.	Observation For Improvement
1	While starting the ground water monitor near the LDO area, black-colored water initially discharged at high speed.

9. Corrective Action Planned on Feedback:

S. No.	Corrective Action Planned	Responsibility	Target Date	Status
1.	A schedule has been prepared for the monthly continuous discharge operation of the water monitor for 30 seconds	Mr. Shek Basha	25.04.2026	

10. Brief

A fire call was received by the Fire Team from CCR-2, informed by Mr. Anand, Shift In-Charge, regarding a fire in LDO Tank-01.

The fire team immediately rushed to the incident site and observed that the fire had originated at the base of the tank. As an immediate action, the outlet valve was closed and DV-1 was opened to start cooling the tank. The fire team applied foam at the base of the tank to control the fire.

During the incident, it was observed that a person became unconscious due to inhalation of smoke released from the LDO fire. The fire team immediately rescued the individual and shifted him to the OHC (Occupational Health Centre) for medical treatment.

Despite continuous efforts by the fire team, the fire could not be controlled initially. Therefore, the mutual aid team was informed. The Nellor Government Fire Service team arrived at the site and provided support. With combined efforts, the fire was successfully extinguished.

Cause of Fire:

The fire occurred due to leakage of LDO from the drain outlet gland. The leaked oil came into contact with a hot surface, which led to ignition

11. Glimpse of Mock drill:



28/02/2026 16:19



25/07/2025 13:05

Assembly of senior management and emergency responders to address the gaps.