

ENVIRONMENTAL CLEARANCE COMPLIANCE STATUS REPORT

Period : April 2025 to September 2025

**Sponge Iron Plant & Power Plant
at Survey No. 225/1C1 and 225/1C2 Village No. 9,
Eguvaripalayam, Gummdipoondi Taluk,
Thiruvallur District, Tamil Nadu**



**By
M/s AKSHARA INDUSTRIES PRIVATE LIMITED
Gummidipoondi Taluk,
Thiruvallur District**

SIX MONTHLY COMPLIANCE REPORT

Project Description:

Name of the Project: Expansion of Sponge Iron Plant (6000 TPM to 12,000 TPM) and setting up of Steel Billets Unit (12,000 TPM), Rolled Steel Products (12,000 TPM) and Power Plant (22 MW).

Factory Name: M/s AKSHARA INDUSTRIES PRIVATE LIMITED

Factory Address: Survey No.225/1C1, and 225/1C2 Village No.9, Eguvaripalayam, Gummdipoondi Taluk,,Thiruvallur District, Tamil Nadu. PIN CODE: 601201

Ref. No. Environmental clearance Letter No.: F.No. J-11011/35/2008-IA-II(I) dated 21.07.2009

Name of Sector: Schedule No (in the EIA Notification,2006): Schedule S.No. 3(a) of Category "BI" - Metallurgical Industries (Ferrous & Non- Ferrous)

Co-ordinates (lat-long.) of all four corners of the site are:

1. Coordinate 1: Latitude: 13°25'.079"N Longitude: 80°7'.154"E
2. Coordinate 2: Latitude: 13°25'.069"N Longitude: 80°7'.235"E
3. Coordinate 3: Latitude: 13°24'.971"N Longitude: 80°7'.229"E
4. Coordinate 4: Latitude: 13°24'.972"N Longitude: 80°7'.137"E

Public hearing: Meeting was held on 31 October, 2008

Land use: Total land available is 38.29 acres and expansion activities will be carried out within the existing premises.

Project Cost: Total cost of the project after expansion will be Rs. 220.00 Crores.
(Project is not yet implemented)

Note: We have attached the company incorporation certificate and TNPCB consent order for the proof as change of name from M/s Akshara Industries Limited to the M/s Akshara Industries Private Limited.



SIX MONTHLY COMPLIANCE REPORT- April 2025 to September 2025

Sl. NO.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
1.	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line stack monitoring facilities for all the stacks and sufficient air pollution control devices shall be provided to keep the emission levels below 100 mg/Nm ³ . Necessary calibration and cleaning of the opacity meter shall be done time to time.	COMPLIED As expansion project is not yet implemented the RSPM levels as per latest report of Analysis in the Ambient Air by TNPCB shows within the permissible limit. On-line Stack emissions Monitoring facilities are provided at DRI both kilns with air pollution control devices at ESP with common stack height is 37m from Ground Level (m) Air Pollution Control Devices (APCDs) Air pollution control devices, including ESP with common stack are provided at DRI both kilns, Bag Filters with stack at transfer point , Acoustic enclosures with stack at D.G set, closed conveyer belt provided , closed shed for coal storage provided, water sprinkler at Iron ore storage provided. As per latest Result of Analysis test report from TNPCB and continuous stack monitoring system the Opacity Meter device have been maintained to ensure emission levels consistently remain below 100 mg/Nm³, meeting the specified standards. Calibration and Maintenance of Opacity Meters and cleaning of opacity meters are carried out at regular intervals. Attached details as Annexure I <u>Photos:</u> (a) ESP 2 Nos. with common stack, (b) Bag Filters with stack at transfer point, (c) Acoustic enclosures with stack at D.G set (d) Closed conveyer Belts

Sl. NO.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
		(e) Photo of Online opacity meter probe Annexure II - Calibration certificate of opacity meter, Annexure III - Online continuous Emission monitoring system for 6 months data Annexure IV – Photo of water sprinklers at Iron ore storage Annexure V – Closed shed for Coal storage, Iron–ore storage area Annexure XV – TNPCB Result of Analysis for Stack monitoring is Attached
2.	Electrostatic precipitator (ESP) shall be provided to DRI plant, WHRB and AFBC Hot gases from DRI plant shall be utilized in the WHRB. Induction furnace (IF) shall be provided with hood with ducting and connected to an Induced Draft (ID) fan outside the building to extract fumes from melting process to control the process emissions 100 mg/Nm³. Fume extraction system shall be provided to IF. Adequate pollution control measures shall be provided to control the gaseous emissions from the reheating furnace when furnace oil is used before discharging to open atmosphere through recuperator and chimney of adequate height. All the stacks including stack of dedusting unit shall be as per the norms prescribed in the Notification issued by the Ministry vide G.SR. 414(E) dated 30 May, 2008	COMPLIED Electrostatic Precipitator (ESP): Installed and operational for the DRI plant both kilns. However electric induction furnace, reheating furnace, rolling mill, Additional sponge Iron kilns have not been implemented in the proposed expansion project activity. Attached details as Annexure I <u>Photos:</u> (a) ESP 2 Nos. with common stack.

Sl. NO.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
3.	Gaseous emissions including secondary fugitive emissions from all the sources including conveyor belts and transfer points shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30h May, 2008 and regularly monitored and reports submitted to Ministry's Regional Office at Bangalore, CPCB and TNPCB. Guidelines/Code of Practice issued by the CPCB shall be followed.	COMPLIED The unit has fully complied with all provisions regarding gaseous emissions, including secondary fugitive emissions maintained within limits however. Emissions from all sources, including conveyor belts and transfer points, are controlled within the permissible limits prescribed by the Ministry as per G.S.R. 414(E) dated 30th May 2008 and reports are submitted to TNPCB. The Indoor Air Quality & Fugitive emission test report date 07/01/2025 is attached as Annexure – XII fugitive emission is within the permissible limit in various locations of the pant Ambient Air quality survey report date 23/06/2025 by TNPCB attached as Annexure XV
4.	The proponent shall upload the status of compliance of the stipulated EC conditions, including 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 pollutant namely, SPM, RSPM, SO, NOX (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at the convenient location near the main gate of the Company in the public domain	Being COMPLIED We hereby submitting six month compliance report for the period of October 2024 to March 2025 and sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. CEnvironmental Clearance - is uploaded in our company website https://aksharaindustriesprivatelimited.com/environmental/ The criteria pollutants, including SPM, RSPM, SO, and NOx (both ambient levels and stack emissions), are being monitored regularly. The monitored data is displayed prominently at a convenient location near the company's main gate for public domain.

Sl. NO.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
		Attaching details as Annexure XXIV of Screen short of Website uploaded EC copy and copy of covering letter sent Six month compliance report to concern offices Annexure XXV Photo of Display board outside premises Annexure XV – TNPCB Result of Analysis for Stack monitoring and Ambient Air quality survey report date 23/06/2025 by TNPCB
5.	Possibility of using nearby railway siding for the transportation of raw material and coal shall be explored and Ministry shall be informed accordingly. Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.	COMPLIED The unit has complied with all provisions regarding the transportation of raw materials and coal. Railway siding not feasible water sprinkles provided at loading & unloading area, So closed trucks used for transportation. Vehicular pollution has been controlled through the use of well-maintained vehicles and by ensuring adherence to pollution control norms. Proper arrangements have been made to control dust emissions during the loading and unloading of raw materials and finished products, including the use of water sprinklers at loading & unloading area, Closed trucks, covered conveyors, and tarpaulin covers where necessary. Attached details as Annexure IV photo of Water sprinkler at loading & unloading area, and Closed trucks

Sl. NO.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
6.	Prior permission for the drawl of 285 m ³ /hr ground water from shall be obtained from CGWA/SGWB	COMPLIED At present only 2X100TPD DRI Klin under operation and water requirement for this is only 40KLD for which ground water clearance available upto 180 KLD. Ground Water Clearance renewal NOC certificate obtained from SG&SWRDC,Chennai Certificate No1042/2024 (R-4) date 23/12/2024 Attached details as Annexure IX NOC certificate of Ground Water Clearance
7.	All the char from the existing and proposed DRI plant shall be utilized in AFBC power plant to be installed simultaneously. No char shall be disposed off anywhere else. All the stag shall be used for road making and filling low lying areas only after passing through Toxic Chemical Leachability Potential (TCLP) test and shall be used only when found non-hazardous. Toxic slag shall be disposed off in secured landfill as per CPCB guidelines.	COMPLIED Char Utilization: All char generated from the existing DRI plant is supply to M/s MTC Business Pvt. LTD. use in cogeneration power plant and supply to M/S Kamatchi Sponge & Power Corporation Ltd. and Supply to Brick units. AFBC power plant not implemented Slag at present not generated Attached details as Annexure VI Agreement Proof of disposal of char to power plant and photo showing utilization of char in bricks units and photo of packages of Solid waste generated in ESP & Black filter

Sl. NO.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
8.	Solid waste in the form of slag, sludge and oily waste shall be stored separately in designated place only. Waste oil and oily sludge shall be disposed off to registered recyclers as per CPCB guidelines	COMPLIED Used/spent Oil is stored separately in designated Storage area as per regulatory requirements and disposed of through registered recyclers in compliance with CPCB guidelines. We are obtained authorization for handling the waste generation from TNPCB valid for a period upto 31/03/2026. Solid waste such as slag and sludge not generated in the plant. Attached details as Annexure VII - Hazardous waste Authorization Attached details as Annexure VIII - Form IV Annual returns
9.	All the other solid wastes including refractory waste shall be properly utilized or disposed off in environment friendly manner	COMPLIED All char generated from the existing DRI plant is supply to M/s MTC Bussines PVt. LTD. use in cogeneration power plant and supply to M/S Kamachi Sponge & Power Corporation Ltd. and Supply to Brick units. Solid waste generated in ESP & Black filter use in beneficially purposes through suitable packages Refractory waste have been properly utilized or disposed of in an environmentally friendly manner Attached details as Annexure VI Agreement Proof of disposal of char to power plant and photo packages of Solid waste generated in ESP & Black filter
10.	Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 as amendment in 2003	Not applicable Fly Ash not generated in plant

Sl. NO.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
11.	Proper housekeeping shall be ensured and all the raw material including iron ore, char, coal etc. shall be stored at designated places	COMPLIED Proper housekeeping has been ensured, and all raw materials, including iron ore, char and coal are stored at designated shed locations as per the stipulated guidelines. Concrete Road is provided inside plant area is maintained properly and water sprinklers on the road. Attached details as Annexure V photos of Closed shed for Coal, Iron-ore storage area and photo of Concrete Road
12.	Green belt shall be developed at least 33% as per the CPCB guidelines to mitigate the impacts of fugitive emissions in consultation with local DFO	COMPLIED The unit has complied with all provisions regarding the development of the green belt. Existing Area Covered with Green Belt – 5.4 Ha. (35 %) achieved 33% as per the CPCB guidelines. Attached details as Annexure X Green Belt Development and layout plan of Green Belt Area
13.	Occupational health surveillance shall be carried out as per the Factories Act, 1948	COMPLIED A dedicated occupational health centre provided in the unit premises with adequate testing facility. An MOU has made with THULIR MEDI SERVICES PRIVATE LIMITED Occupational health surveillance is being carried out in full compliance with the provisions of the Factories Act, 1948. Regular medical examinations, health monitoring, and record-keeping for all employees are conducted as mandated. Attached details as Annexure XI MOU with Hospital and photo of Occupational Health Centre.

Sl. NO.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
14.	All the recommendations mentioned in the Charter on the Corporate Responsibility for the Environmental Protection (CREP) for the Steel Plants shall be implemented	NOT APPLICABLE
15	The company shall comply with the commitments made during public hearing meeting held on 31 October 2008	COMPLIED Unit is not yet implemented the proposed expansion project activity during implementation we will comply with public hearing commitments. Attached details as Annexure XIII Details of commitments made during public hearing
16	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, crèche etc The housing may be in the form of temporary structures to be removed after the completion of the project	Not Applicable As proposed expansion activity is not implemented.

Sl. NO.	GENERAL CONDITIONS	COMPLIANCE STATUS
1	The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board and any other statutory authorities.	COMPLIED We valid CTO and Hazardous waste Authorization from TNPCB Attached details as Annexure XIV CTO consent order Annexure VII Hazardous waste Authorization
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	COMPLIED Unit is not yet implemented the proposed expansion project activity.
3.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location at no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Not Applicable There is No load/mass based standards prescribed for this Sponge Iron unit.

Sl. NO.	GENERAL CONDITIONS	COMPLIANCE STATUS
4	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM SO ₂ , and NO _x are anticipated in consultation with the SPCB Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	COMPLIED One Continuous ambient air quality monitoring stations for the parameters PM 10 & PM 2.5 established inside premises and datas are share with TNPCB Ambient Air Quality monitoring for the parameters PM 10, PM 2.5, SO₂, NO_x and Stack emission for the parameters PM, SO₂, NO_x are carried by TNPCB labs survey dated 23/06/2025. Attached details as Annexure XV Analysis Report of Analysis done by TNPCB for AAQ & Stack Emission and photo graph of continuous ambient air quality monitoring stations as Annexure XXIII
5	The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.	NOT APPLICABLE
6	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003 Authorization from the State Pollution Control Board must be obtained for collection/treatment/storage/disposal of hazardous wastes.	COMPLIED We are obtained authorization for handling the waste generation from TNPCB valid for a period upto 31/03/2026. Attached details as Annexure VII Hazardous waste Authorization. Attached details as Annexure VIII Form IV Annual return

Sl. NO.	GENERAL CONDITIONS	COMPLIANCE STATUS
7.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules. 1989 viz. 75 dBA (day time) and 70 dBA (night time).	COMPLIED The latest TNPCB ROA survey test report dated 23/06/2025 ,received Noise level are within TNPCB Standard . Attached details as Annexure XVI ROA done by TNPCB Noise level
8	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	COMPLIED The company has fully complied with the requirement of developing rainwater harvesting structures. Attached details as Annexure XVII of Photo of rain water harvesting
9	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.	COMPLIED EMP implementation schedule and Total Cost of about Rs.224 Lakhs towards EMP and recurring cost of Rs.12 lakhs is spent on pollution control & treatment, green belt development, rainwater harvesting, environmental monitoring systems and others. Recurring cost toward maintain and operation of Air pollution control measures, greenbelt, rain water harvesting are expected through our company fund. Attached details as Annexure XXVI EMP Implementation Schedule and Annexure XIX EMP COST

Sl. NO.	GENERAL CONDITIONS	COMPLIANCE STATUS
10	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions.	COMPLIED Environment Management Cell headed by a Director and General Manager, Trained persons for managing Environmental & safety.
11	Adequate funds shall be earmarked towards capital cost and recurring cost/annum and judiciously used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government A time bound implementation schedule shall be submitted to the Ministry and its Regional Office at Bhubaneswar to implement all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Not Applicable Unit is not yet implemented the proposed expansion project activity.
12	The implementation of the project vis-a-vis environmental action plans shall be monitored by Ministry's Regional Office/SPCB/CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.	Not Applicable Unit is not yet implemented the proposed expansion project activity.
13.	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 on hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	BEING COMPLIED We have submitted the six month compliance report for the period of October 2024 to March 2025 vide on date 20/08/2025.

Sl. NO.	GENERAL CONDITIONS	COMPLIANCE STATUS
14	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal. The clearance letter shall also put up on the website of the Company by the proponent.	COMPLIED The project proponent has complied with the requirement to send a copy of the clearance letter to the Panchayat Secretary, Eguvarpalayam Vilage. EC clearance letter is uploaded in our company website https://aksharaindustriesprivatelimited.com/environmental/ Attached details as Annexure XX Copy of EC and Annexure XXIV Screen short of Website uploaded EC copy Annexure XVIII Acknowledgement copy of Letter sent to the Panchayat Secretary.
15	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry at http://envfor.nic.in This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Ministry's Regional Office.	COMPLIED The details of Enviromental Clearance obtained have been published in 2 local Daily Newspapers. These advertisements were placed in two widely circulated local newspapers, one of which was in the vernacular language of the locality. Attached details as Annexure XXI Copy of paper Advertisement of published EC details

Sl. NO.	GENERAL CONDITIONS	COMPLIANCE STATUS
16	The environmental statement for each financial year ending 31 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 Office of the MoEF by e-mail.	BEING COMPLIED M/s Akshara Industries Ltd is submitting Environmental Statement for each financial year ending 31st March in Form V is submitted on (Period 2024-2025) to the Tamil Nadu Pollution Control Board, Gummidipoondi as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently. uploaded in offor Form-V and in our company website https://aksharaindustriesprivatelimited.com/environmental/ We have submitted the six month compliance report for the period of October 2024 to March 2025 vide on date 20/08/2025. Attached details as Annexure XXII FORM V details
17	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Not Applicable Unit is not yet implemented the proposed expansion project activity.



ANNEXURES

ANNEXURES	TITLE
ANNEXURE I	(a) ESP 2 Nos. with common stack, (b) Bag Filters with stack at transfer point, (c) Acoustic enclosures with stack at D.G set (d) Closed conveyer Belts (e) Photo of Online opacity meter probe
ANNEXURE II	Calibration certificate of opacity meter
ANNEXURE III	Online continuous Emission monitoring system of 6 months data report
ANNEXURE IV	Photo of water sprinklers at site, Water sprinkler at loading & unloading area and Closed trucks
ANNEXURE V	Closed shed for Coal, Iron –ore storage area and photo of Concrete Road
ANNEXURE VI	Agreement of disposal of Dola char to power plant and and photo packages of Solid waste generated in ESP & Black filter
ANNEXURE VII	Hazardous waste Authorization
ANNEXURE VIII	Form IV Annual Return
ANNEXURE IX	NOC certificate of Ground Water Clearance
ANNEXURE X	Green Belt Development
ANNEXURE XI	MOU with Hospital and photo of Occupational Health centre
ANNEXURE XII	Test report of Indoor Air Quality & fugitive emission in various locations of the pant
ANNEXURES XIII	Details of commitments made during public hearing
ANNEXURE XIV	CTE & CTO consent orders
ANNEXURE XV	ROA Test report done by TNPC for AAQ, Stack Emission & Noise level
ANNEXURE XVI	ROA Test report done by TNPC Noise level
ANNEXURE XVII	Rain Water Harvesting System
ANNEXURE XVIII	Acknowledgement copy of Letter sent to the Panchayat Secretary
ANNEXURE XIX	EMP fund details
ANNEXURE XX	Copy of Environmental Clearance - EC
ANNEXURE XXI	Copy of paper Advertisement of published EC details
ANNEXURE XXII	Copy of FORM - V
ANNEXURE XXIII	Photo of Continuous ambient air quality monitoring stations

ANNEXURES	TITLE
	station
Annexure XXIV	Screen short of Website uploaded EC copy
Annexure XXV	Photo of Display board outside premises
Annexure XXVI	EMP Implementation Schedule



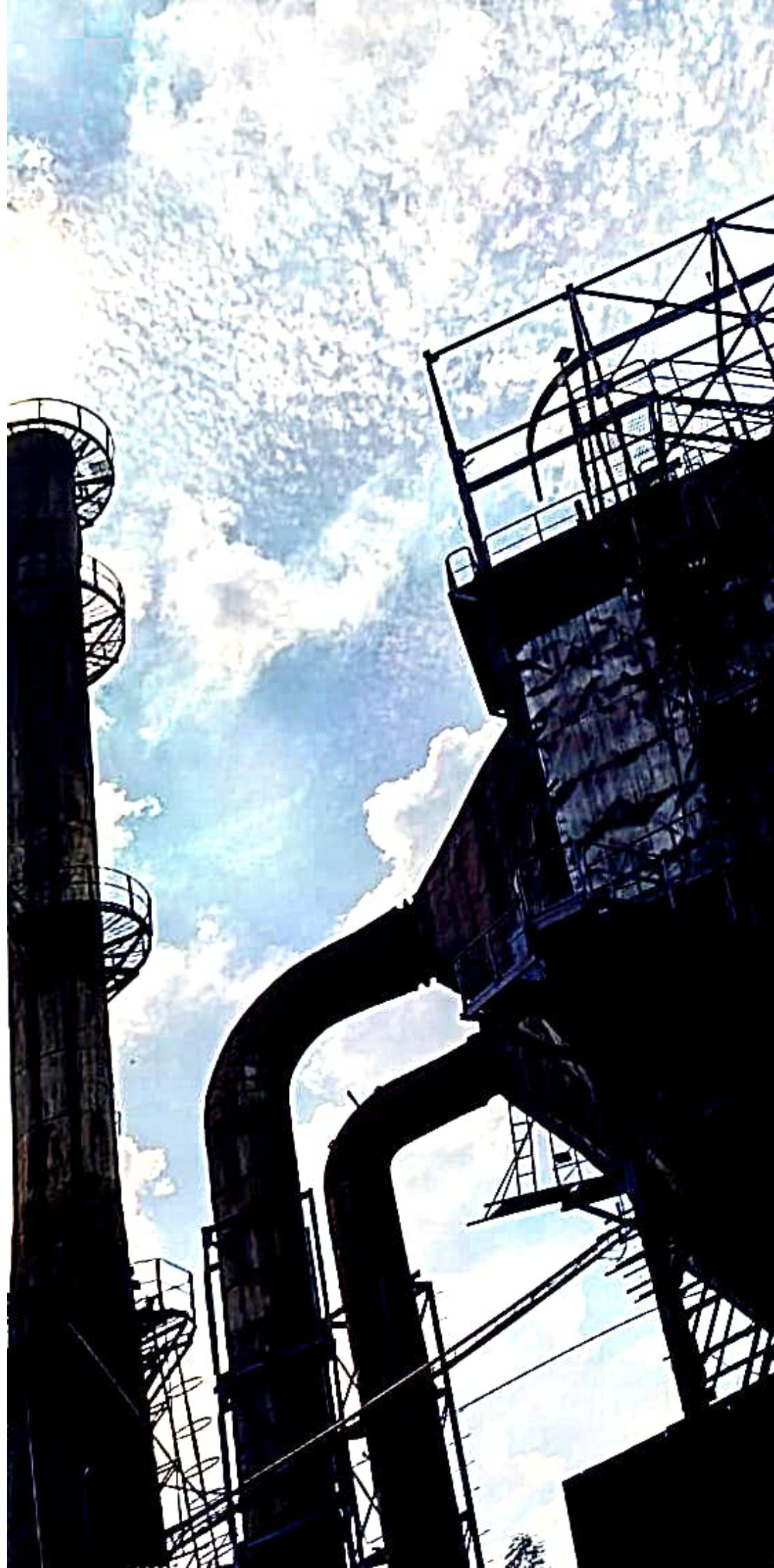
ANNEXURE - I

- (a) ESP 2 Nos. with common stack,**
- (b) Bag Filters with stack at transfer point,**
- (c) Acoustic enclosures with stack at D.G set**
- (d) Closed conveyer Belts**
- (e) Photo of Online opacity meter probe**

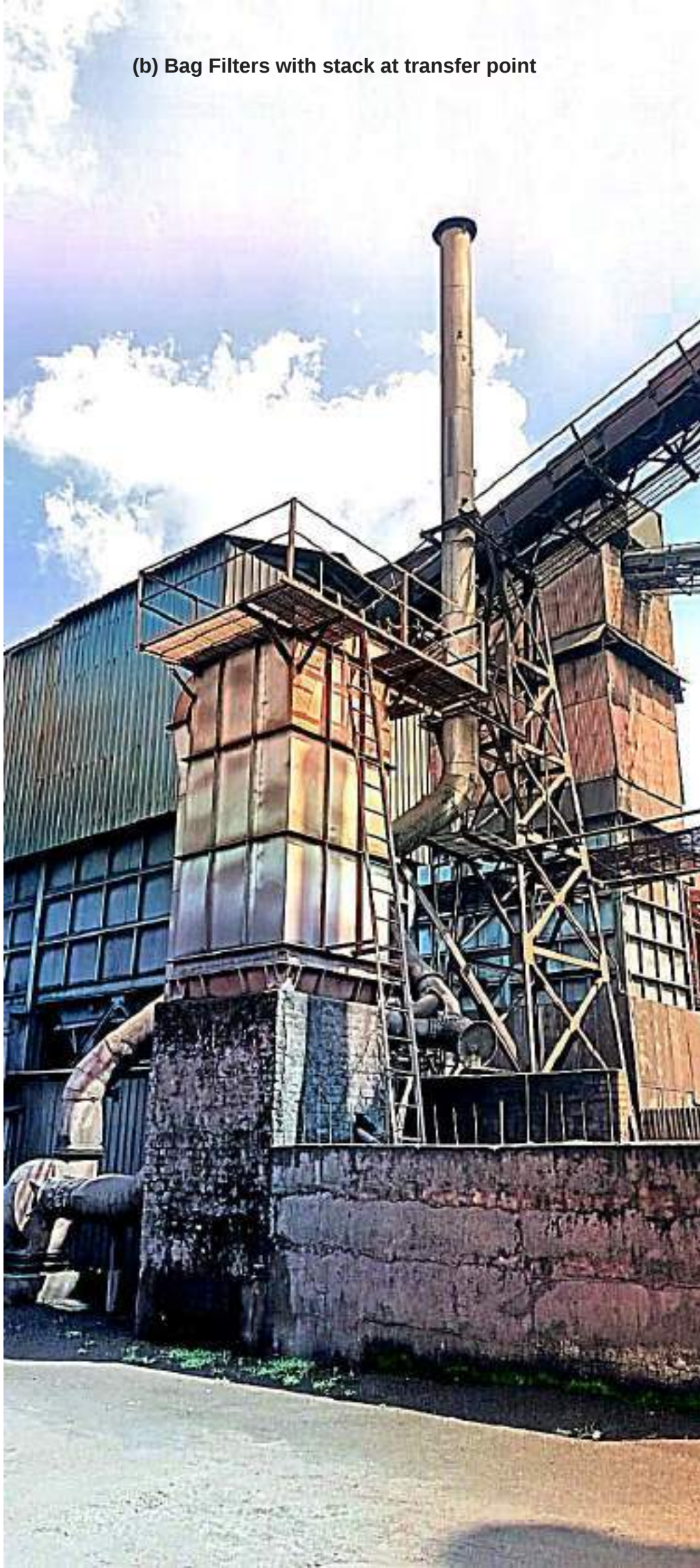
(a) ESP 2 Nos. with common stack







(b) Bag Filters with stack at transfer point

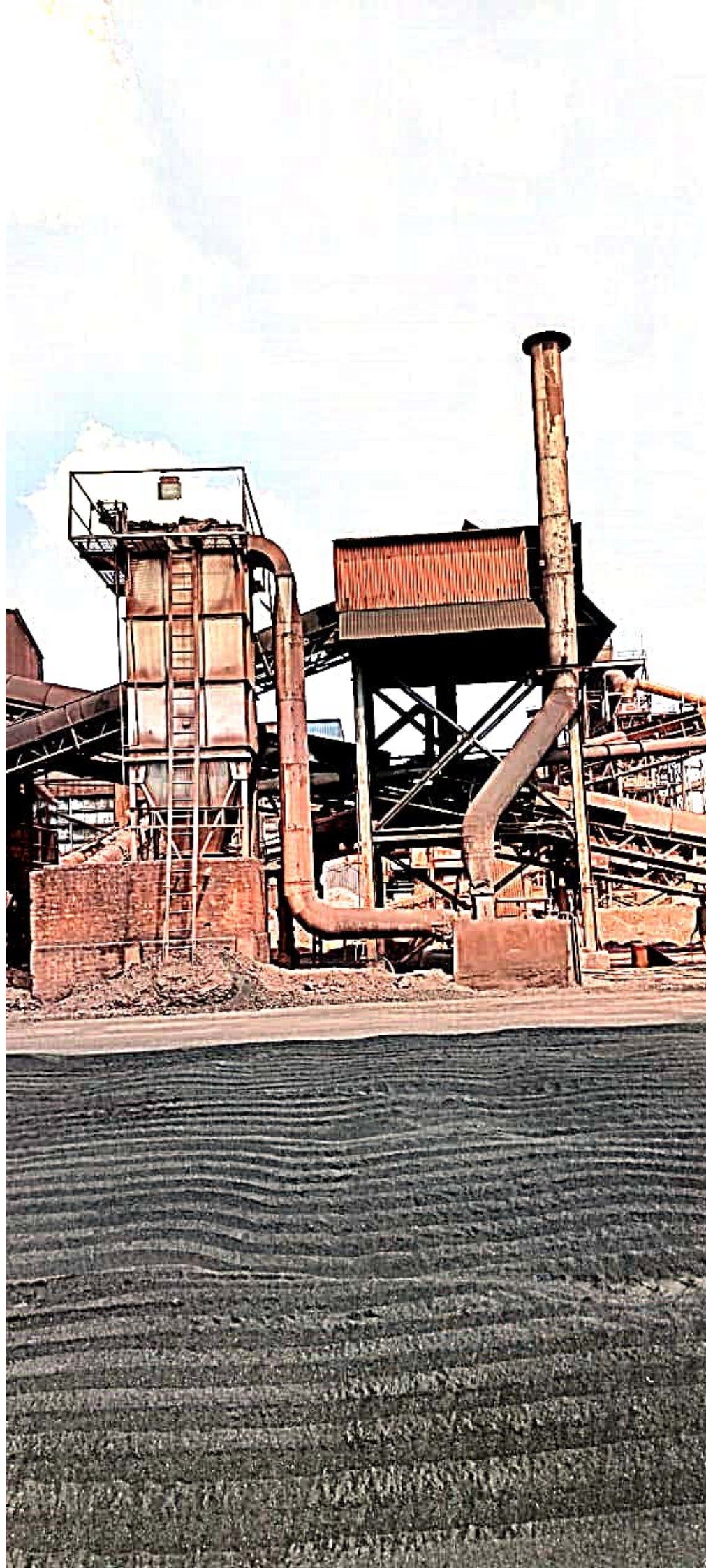












(c) Acoustic enclosures with stack at D.G set





(d) Closed conveyer Belts







(e) Photo of Online opacity meter probeType your text

Photo of online CEMS



Photo of Online Opacity Meter probe



ANNEXURE - II

Calibration Certificate of Opacity Meter

DSL-340 Calibration Report

Customer Name	AKSHARA INDUSTRIES PVT. LTD.
Stack Details	Rotary Kiln
Instrument S/N	ASY 092-2032
Instrument Model	DSL-340SWAS
Calibration Date	02.01.2026
Gain Set	Yes
Gain Reading	4.92
Measure Signal reading	4.91
DDP Zero Value	0.5
AGC Performed	Yes
DDP Span Factor	0.97
Analogue Calibrated	Yes

Remarks

This instrument described above has been calibrated and found to comply with its published performance specification at the point measured, which is valid for ONE year from the date of calibration, calibration Due Date 01.01.2027

Calibration Done By	Nevco Engineers Pvt Ltd
Authorized By	Dynoptic, UK
Signature	

NEVCO Engineers Pvt. Ltd.

CIN No.: 55-57-103 OF 1993-94 Dt: 27.01.94

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ANNEXURE - III

Online Continuous Emission Monitoring System of 6 months Data Report

AKSHARA INDUSTRIES

Report date from 2025/04/01 to 2025/09/30

Date	SOX_AKSHARA (ppm)	NOX_AKSHARA (ppm)	PM_AKSHARA (mg/m3)
2025/04/01	A 100.33	A 55.37	A 22.89
2025/04/02	A 102.75	A 57.69	A 67.14
2025/04/03	A 103.6	A 58.5	A 49.82
2025/04/04	A 106.25	A 60.52	A 54.99
2025/04/05	A 102.86	A 57.44	A 53.39
2025/04/06	A 103.94	A 59.46	A 54.52
2025/04/07	A 105.5	A 60.71	A 52.78
2025/04/08	A 105.81	A 60.14	A 38.27
2025/04/09	A 102.81	A 58.76	A 43.27
2025/04/10	A 107.11	A 63.22	A 34.61
2025/04/11	A 104.31	A 60.42	A 39.64
2025/04/12	A 108.99	A 65.41	A 45.16
2025/04/13	A 108.71	A 63.96	A 50.87
2025/04/14	A 105.81	A 62.07	A 49.04
2025/04/15	A 104.37	A 61.13	A 46.11
2025/04/16	A 96.64	A 54.59	A 28.32
2025/04/17	A 103.64	A 61.64	A 23.92
2025/04/18	A 104.12	A 62.06	A 21.62
2025/04/19	A 107.06	A 65.13	A 29.4
2025/04/20	A 107.21	A 65.74	A 24.07
2025/04/21	A 104.77	A 63.97	A 24.7
2025/04/22	A 104.61	A 64.22	A 27.34
2025/04/23	A 104.51	A 64.16	A 28.05
2025/04/24	A 104.45	A 65.12	A 22.66
2025/04/25	A 103.2	A 65.01	A 20.93
2025/04/26	A 99.76	A 62.64	A 18.28
2025/04/27	A 99.68	A 61.8	A 17.94
2025/04/28	A 99.58	A 62.01	A 20.58
2025/04/29	A 100.78	A 63.8	A 21.37
2025/04/30	A 100.91	A 64	A 32.03

Date	SOX_AKSHARA (ppm)	NOX_AKSHARA (ppm)	PM_AKSHARA (mg/m3)
2025/05/01	A 102.54	A 66.42	A 41.64
2025/05/02	A 99.12	A 65.54	A 40.56
2025/05/03	A 99.94	A 66.91	A 42.04
2025/05/04	A 89.04	A 55.65	A 25.47
2025/05/05	A 92.07	A 60.49	A 12.84
2025/05/06	A 90.39	A 59.02	A 12.86
2025/05/07	A 93.06	A 60.46	A 14.03
2025/05/08	A 93.79	A 61.8	A 14.96
2025/05/09	A 94.1	A 62.32	A 14.55
2025/05/10	A 96.28	A 64.33	A 14.49
2025/05/11	A 94.06	A 60.9	A 15.87
2025/05/12	A 99.98	A 67.29	A 15.66
2025/05/13	A 100.19	A 66.6	A 15.31
2025/05/14	A 99.6	A 66.53	A 13.91
2025/05/15	A 100.58	A 66.51	A 14.38
2025/05/16	A 96.57	A 63.67	A 19.35
2025/05/17	A 92.03	A 59.25	A 28.33
2025/05/18	A 96.78	A 62.92	A 28.29
2025/05/19	A 91.85	A 58.86	A 30.4
2025/05/20	A 90.84	A 57.53	A 26.23
2025/05/21	A 91.28	A 58.65	A 28.98
2025/05/22	A 94.62	A 61.67	A 35.27
2025/05/23	A 96.09	A 63.83	A 31.61
2025/05/24	A 93.77	A 61.18	A 45.92
2025/05/25	A 92.92	A 60.99	A 29.43
2025/05/26	A 90.57	A 57.52	A 35.59
2025/05/27	A 88.88	A 56.34	A 42.53
2025/05/28	A 90.99	A 58.88	A 50.65
2025/05/29	A 93.09	A 61.24	A -7.86
2025/05/30	A 86.87	A 54.88	A 35.62
2025/05/31	A 96.23	A 62.15	A 40.45
2025/06/01	A 102.37	A 68.6	A 41.27
2025/06/02	A 99.14	A 64.05	A 45.53

Date	SOX_AKSHARA (ppm)	NOX_AKSHARA (ppm)	PM_AKSHARA (mg/m3)
2025/06/03	A 97.2	A 63.39	A 44.15
2025/06/04	A 98.79	A 64.59	A 46.37
2025/06/05	A 100.84	A 66.91	A 50.15
2025/06/06	A 98	A 64.06	A 45.68
2025/06/07	A 98.13	A 64.15	A 44.39
2025/06/08	A 100.11	A 67.03	A 43.96
2025/06/09	A 86.28	A 52.47	A 14.82
2025/06/10	A 94.76	A 61.7	A 11.34
2025/06/11	A 92.84	A 59.42	A 16.16
2025/06/12	A 90.03	A 56.83	A 18.34
2025/06/13	A 93.71	A 59.86	A 28.26
2025/06/14	A 93.21	A 61.68	A 19.48
2025/06/15	A 90.7	A 59.49	A 19.01
2025/06/16	A 90.45	A 58.68	A 23.49
2025/06/17	A 92.72	A 60.43	A 29.04
2025/06/18	A 94.89	A 62.9	A 28.8
2025/06/19	A 93.36	A 61.37	A 30.38
2025/06/20	A 93.04	A 60.43	A 27.29
2025/06/21	A 91.25	A 59.78	A 29.95
2025/06/22	A 87.17	A 55.12	A 20.52
2025/06/23	A 89.1	A 56.57	A 16.08
2025/06/24	A 92.84	A 61.41	A 16.35
2025/06/25	A 88.93	A 56.96	A 19.82
2025/06/26	A 91.3	A 59.48	A 22.4
2025/06/27	A 93.86	A 61.94	A 25.77
2025/06/28	A 93.23	A 61.76	A 24.42
2025/06/29	A 95.87	A 64.27	A 20.38
2025/06/30	A 93.02	A 60.76	A 21.03
2025/07/01	A 93.34	A 62.38	A 22.56
2025/07/02	A 88.05	A 56.03	A 18.29
2025/07/03	A 89.2	A 57.23	A 17.1
2025/07/04	A 89	A 58.09	A 13.67
2025/07/05	A 90.29	A 59.4	A 10.63

Date	SOX_AKSHARA (ppm)	NOX_AKSHARA (ppm)	PM_AKSHARA (mg/m3)
2025/07/06	A 91.8	A 61.63	A 16.86
2025/07/07	A 94.09	A 63.61	A 16.76
2025/07/08	A 91.11	A 60.14	A 14.19
2025/07/09	A 92.42	A 60.64	A 20.58
2025/07/10	A 94.28	A 62.07	A 37.21
2025/07/11	A 94.74	A 62.34	A 35.82
2025/07/12	A 94.55	A 62.15	A 37.4
2025/07/13	A 94.36	A 63.12	A 42.31
2025/07/14	A 91.23	A 59.51	A 44.85
2025/07/15	A 94.94	A 62.84	A 47.83
2025/07/16	A 100.03	A 68.39	A 41.54
2025/07/17	A 87.58	A 56.76	A 26.2
2025/07/18	A 85.86	A 55	A 42.51
2025/07/19	A 84.89	A 49.79	A 36.18
2025/07/20	A 89.47	A 57.19	A 23.85
2025/07/21	A 82.86	A 51.02	A 18.84
2025/07/22	A 83.91	A 52.58	A 16.67
2025/07/23	A 83.38	A 49.86	A 17.47
2025/07/24	A 89.18	A 52.72	A 17.03
2025/07/25	A 92.97	A 53.75	A 15.74
2025/07/26	A 96.36	A 56.93	A 17.19
2025/07/27	A 97.17	A 57.19	A 17.31
2025/07/28	A 100.44	A 60.43	A 19.61
2025/07/29	A 102.08	A 62.42	A 19.37
2025/07/30	A 102.67	A 62.06	A 20.33
2025/07/31	A 101.69	A 60.32	A 17.7
2025/08/01	A 103.04	A 61.82	A 17
2025/08/02	A 101.43	A 59.66	A 19.4
2025/08/03	A 99.17	A 58.39	A 21.21
2025/08/04	A 102.59	A 60.43	A 26.26
2025/08/05	A 100.25	A 58.61	A 18.42
2025/08/06	A 102.98	A 60.43	A 14.52
2025/08/07	A 101.53	A 60.18	A 17.28

Date	SOX_AKSHARA (ppm)	NOX_AKSHARA (ppm)	PM_AKSHARA (mg/m3)
2025/08/08	A 96.64	A 55.31	A 18.6
2025/08/09	A 98.94	A 57.36	A 17.29
2025/08/10	A 96.19	A 55.13	A 14.55
2025/08/11	A 91.88	A 51.89	A 15.64
2025/08/12	A 90.76	A 49.99	A 19
2025/08/13	A 86.84	A 45.24	A 18.65
2025/08/14	A 91.73	A 51.34	A 15.49
2025/08/15	A 92.72	A 52.22	A 14.32
2025/08/16	A 89.82	A 48.88	A 12.91
2025/08/17	A 84.98	A 44.43	A 14.32
2025/08/18	A 87.9	A 48.58	A 14.56
2025/08/19	A 92.62	A 53.96	A 13.62
2025/08/20	A 100.5	A 59.65	A 17.29
2025/08/21	A 100.88	A 59.96	A 27.18
2025/08/22	A 94.26	A 54.67	A 19.93
2025/08/23	A 91.18	A 51.04	A 18.06
2025/08/24	A 98.76	A 59.74	A 18.95
2025/08/25	A 96.9	A 58.66	A 18.86
2025/08/26	A 96.39	A 58.11	A 19.36
2025/08/27	A 89.32	A 50.63	A 18.07
2025/08/28	A 91.8	A 54.14	A 17.73
2025/08/29	A 95.01	A 57.4	A 8.91
2025/08/30	A 96.85	A 60.86	A 16.35
2025/08/31	A 93.47	A 55.16	A -245.67
2025/09/01	A 93.96	A 55.91	A -81.6
2025/09/02	A 93.03	A 54.98	A 21.42
2025/09/03	A 93.08	A 56.19	A 21.9
2025/09/04	A 98.78	A 60.4	A 23.28
2025/09/05	A 103.34	A 66.42	A 23.71
2025/09/06	A 101.39	A 64.33	A 23.82
2025/09/07	A 97.3	A 60.63	A 23.98
2025/09/08	A 98.46	A 60.6	A 24.33
2025/09/09	A 96.77	A 60.6	A 24.3

Date	SOX_AKSHARA (ppm)	NOX_AKSHARA (ppm)	PM_AKSHARA (mg/m3)
2025/09/10	A 91.44	A 56.01	A 23.86
2025/09/11	A 92.64	A 57.3	A 24.83
2025/09/12	A 95.6	A 59.67	A 25.06
2025/09/13	A 90.61	A 52.89	A 24.62
2025/09/14	A 92.89	A 57.19	A 24.87
2025/09/15	A 94.48	A 58.94	A 24.79
2025/09/16	A 90.12	A 54.47	A 24.36
2025/09/17	A 91.59	A 55.65	A 24.42
2025/09/18	A 90.12	A 55.12	A 24.66
2025/09/19	A 89.38	A 53.99	A 24.97
2025/09/20	A 88.25	A 52.1	A 25.19
2025/09/21	A 91.64	A 55.43	A 25.25
2025/09/22	A 90.36	A 54.09	A 25.2
2025/09/23	A 89.29	A 54.99	A 25.17
2025/09/24	A 91.13	A 56.96	A 25.45
2025/09/25	A 96.45	A 62.55	A 25.62
2025/09/26	A 89.34	A 55.7	A 25.25
2025/09/27	A 91.76	A 58.39	A 25.56
2025/09/28	A 93.15	A 58.46	A 25.86
2025/09/29	A 91.93	A 55.32	A 26.07

ANNEXURE - IV

**Photo of Water Sprinklers at site, Water
Sprinkler at loading & unloading area and
Closed Trucks**



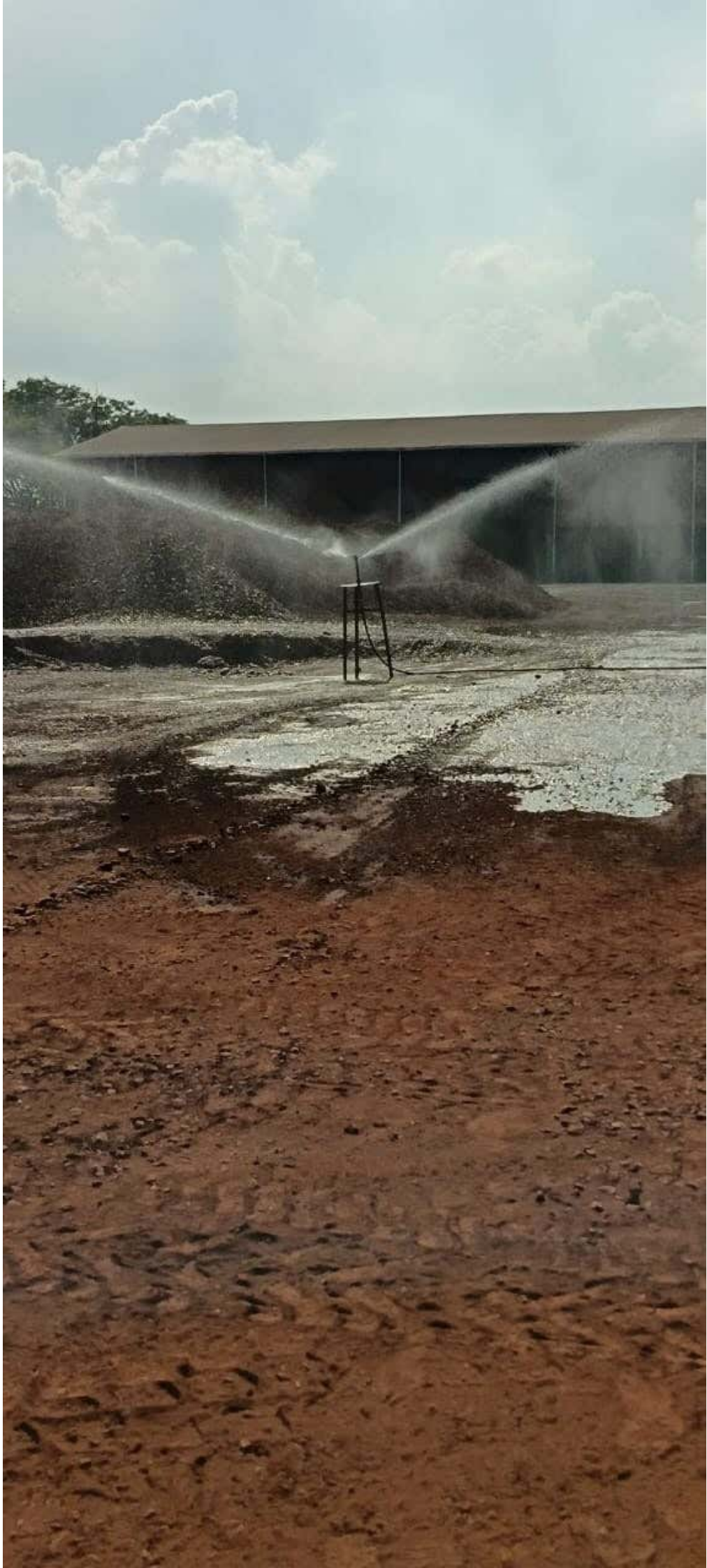






Galaxy M53 5G







ANNEXURE - V

**photos of Closed shed for Coal, Iron-ore storage area
and photo of Concrete Road**









ANNEXURE - VI

**Agreement of disposal of Dola char to
power plant and and photo packages of
Solid waste generated in ESP & Black filter**

To

22-02-2024

M/s. MTC BUSINESS PVT LTD.,
No. 808, VI A, Calve Chateau,
Poonamallee High Road, Kilpuk,
Chennai-600010.

Dear Sir,

Sub: Supply of Dolochar from M/s. Akshara Industries Private Limited.

Ref: Telephonic Conversation had with your goodself.

With regard to the above subject and reference, we would like to bring your notice that our company Akshara Industries Private Limited has existing setup of Sponge Iron Plant and produce Dolochar as Bi-product.

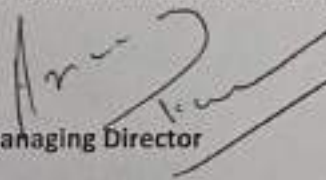
We understand that your company is into Captive Power Generation and consuming some percentage of Dolochar as fuel. We are willing to supply you the required quantity of Dolochar for your Plant. Hence, we request you to procure required quantity of Dolochar for your organisation from our company. Kindly send your acceptance by filling up the details at the bottom of this letter.

This letter is not a binding letter on both the parties. This is just an offer letter for the supply of Dolochar.

The rates for suppling of Dolochar will be decided at the appropriate time.

Expecting your kind co-operation in this above subject.

For Akshara Industries Private Limited,


Managing Director



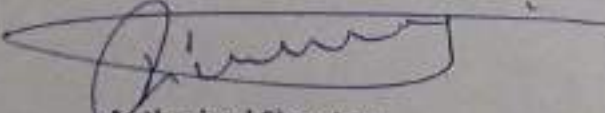
To

The Managing Director,
M/s. Akshara Industries Pvt Ltd.,
Chennai.

We hereby willing to buy _____ Tonnes per month of Dolochar from your factory with immediate effect.

This is a non-binding offer and would materialise on signing of the purchase contract at the appropriate time.

For MTC BUSINESS PVT LTD.,


Authorised Signatory.

Brick Plants – Present Dolochar Disposal



Brick Plants – Present Dolochar Disposal



Brick Plants – Present Dolochar Disposal



Kamachi Sponge & Power Corporation Ltd.

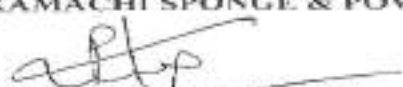
Registered & ABC Trade Centre, 3rd Floor, 39, (Old No.50) Anna Salai, Tel : 91-44-42951100 (30 Lines) E-mail : info@kamachigroup.com
Corporate Office (Inside Devi Theatre Complex) Chennai - 600 002, India. Fax : 044-42961122 Website : www.kamachigroup.com

January 9, 2009

TO WHOM SO EVER IT MAY CONCERN

Since the Sponge Iron Plant belonging to M/s.Akshara Industries Limited is very close to our plant, we shall be glad to buy Dolochar at Market price for our AFBC Boiler from them.

For KAMACHI SPONGE & POWER CORPN.LTD.,


AUTHORISED SIGNATORY

ANNEXURE - VII

Hazardous Waste Authorization



TAMILNADU POLLUTION CONTROL BOARD



AUTHORISATION No. 22HFC41405733 dated 09/02/2022

Proceeding No. T2/TNPCB/F.0080GMP/HWA/RL/GMP/2022 dated 09/02/2022

Sub: Tamil Nadu Pollution Control Board – Hazardous Waste Authorization-Fresh- M/s. AKSHARA INDUSTRIES LIMITED, S.F.No. 225/1C1,225/1C2, EGUVARPALAYAM Village, GUMMIDIPOONDI Taluk, Tiruvallur District - Authorization under Rule 6 (2) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 enacted under Environment (Protection) Act, 1986 – Issued- Reg.

Ref: 1. Application No. 41405733 dated 28.10.2021 under HOWM Rules, 2016
2. HWA-IR.No.0080GMP/HWA/RL/DEE/GMP/2022 dated 03/02/2022

FORM 2

[See rule 6 (2)]

FORM FOR GRANT OR RENEWAL OF AUTHORISATION TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

1. Number of authorization: 22HFC41405733 and dated : 09/02/2022
2. The Director of M/s. AKSHARA INDUSTRIES LIMITED is hereby granted an Authorisation based on the enclosed signed Inspection report for Generation & Handling of hazardous or other wastes or both on the premises situated at S.F.No. 225/1C1,225/1C2, EGUVARPALAYAM Village, GUMMIDIPOONDI Taluk, Tiruvallur District.

Sl No	Schedule / Name of the Processes	Name of Hazardous Waste (with category No)	Quantity	Activities for which Authorization is issued
1	Schedule I /5. Industrial operations using mineral or synthetic oil as lubricant in hydraulic systems or other applications	5.1-Used or spent oil	1 T/Annum	Generation, Collection, Storage & Send to Authorised Recyclers for reprocessing (Recyclable)

3. This authorization shall be valid for a period upto 31/03/2026.

The Authorization is issued subject to the following general and special conditions annexed.

RAMASAMY
RAJAMANICKAM

(Digitally signed by RAMASAMY
RAJAMANICKAM
DN: cn=222522, o=09/02/2022)

**For Member Secretary
Tamil Nadu Pollution Control Board
Chennai**

A. GENERAL CONDITIONS OF AUTHORIZATION

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by Tamil Nadu Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this Authorisation.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
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.



TAMILNADU POLLUTION CONTROL BOARD

6. The person authorised shall comply with the provisions outlined in the CPCB guidelines on "Implementing Liabilities for Environmental damages due to Handling and Disposal of Hazardous Wastes and Penalty".
7. It is the duty of the authorized person to take prior permission of Tamil Nadu Pollution Control Board to close down the facility.
8. The imported Hazardous and other wastes shall be fully insured for transit as well as the accidental occurrences and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The Hazardous and other wastes which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of Authorisation.
11. The importer or Exporter shall bear the cost of import or export or mitigation of damages if any.
12. An application for the renewal of an authorization shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the MoEF and CC or CPCB from time to time.
14. Annual returns shall be filed by June 30th for the period ending 31st March of the previous financial year.

B. SPECIFIC CONDITIONS - HW Generator

1. The occupier/generator shall be responsible for safe and environmentally sound management of hazardous and other wastes.
2. The occupier shall follow the following steps for the management of hazardous and other wastes: (a) prevention (b) minimization (c) reuse (d) recycling (e) recovery, utilisation including co-processing and (f) safe disposal.
3. The occupier shall take all the steps while managing hazardous and other wastes - (a) To contain contaminants and prevent accidents and limit their consequences on human beings and the environment; and (b) To provide persons working in the site with appropriate training, equipment and the information necessary to ensure their safety.
4. The occupier shall store the hazardous and other wastes for a period not exceeding ninety days and shall maintain a record of sale, transfer, storage, recycling, recovery, pre-processing, co-processing and utilisation of such wastes and make these records available for inspection.
5. The hazardous and other wastes shall be stored temporally in an isolated area earmarked for the purpose within the occupier's premises (it shall not be accessible to rain water) till scientific disposal. The storage area shall be fenced properly and a sign of danger shall be placed at the storage site.
6. The containers holding the hazardous and other wastes shall be kept in good condition and made of materials which can withstand the physical and environmental conditions during storage and transportation. Only properly cleaned containers shall be used for storage of hazardous and other wastes.
7. The occupier handling hazardous or other wastes shall maintain records of such operations of generation, handling, storage and disposal as per Form 3.
8. The hazardous and other wastes generated in the establishment of the occupier shall be sent or sold to an authorised actual user or shall be disposed of in an authorised disposal facility.
9. The occupier handling hazardous or other wastes shall ensure that the hazardous and other wastes are packaged in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board from time to time.
10. The labelling of package of hazardous or other wastes shall be done as per Form 8. The label shall be of non-washable material, weather proof and easily visible.
11. The hazardous and other wastes shall be transported from the occupier's establishment to an authorised actual user or to an authorised disposal facility in accordance with the provisions of these rules.
12. The transport of the hazardous and other wastes shall be in accordance with the provisions of these rules and the rules made by the Central Government under the Motor Vehicles Act, 1988 and the guidelines issued by the Central Pollution Control Board from time to time in this regard.
13. The occupier shall provide the transporter with the relevant information in Form 9, regarding the



TAMILNADU POLLUTION CONTROL BOARD

14. The authorisation for transport shall be obtained either by the sender or the receiver on whose behalf the transport is being arranged.
 15. The transporter/sender of the hazardous and other wastes shall prepare and maintain manifest in Form 10.
 16. The occupier or the operator or the transporter shall immediately intimate TNPCB through telephone, e-mail about the accident and subsequently send a report in Form 11, where an accident occurs at the facility of the occupier handling hazardous or other wastes and operator of the disposal facility or during transportation.
 17. The occupier who intends to get its hazardous and other wastes treated and disposed of by the operator of a treatment, storage and disposal facility shall give to the operator of that facility, such specific information as may be needed for safe storage and disposal.
 18. The occupier shall be liable for all damages caused to the environment due to improper handling and management of the hazardous and other wastes.
 19. The occupier handling hazardous and other wastes shall submit annual returns containing the details specified in Form 4 to TNPCB on or before the 30th day of June of every year for the preceding period April to March.
- Any increase in quantity of handling of hazardous and other wastes, any change in category of hazardous and other wastes and any change in method of handling operations shall be brought to the notice of the TNPCB and fresh authorization shall be obtained.

ADDITIONAL SPECIFIC CONDITIONS

1. The unit shall comply with the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
2. The unit shall generate, collect, store and send the used or spent oil to TNPCB Authorised Recyclers having valid consent & authorisation of the TNPCB for reprocessing purpose.
3. The unit shall store the hazardous waste in a container/barrel with labelling in a closed shed on the impervious platform before scientific disposal and ensure that the temporary storage of such waste shall not exceed 90 days as per Rule(8) of HOWM Rule, 2016.
4. The unit shall maintain records in FORM-3 for the handling of hazardous & other wastes within the premises and submit FORM-4 ANNUAL RETURNS to TNPCB by 30th June of every year for the preceding period April to March.
5. The unit shall ensure that the transport container shall be marked and labelled as prescribed in Form-12 of the HOWM Rules, 2016.

The unit shall follow the procedures in respect of hazardous waste manifest system (movement document) for the transport of hazardous waste as per HOWM Rule 21 and generate manifest online in the OHWMA portal in TNPCB web site.

7. The unit shall update the information on the DISPLAY BOARD installed at factory entrance on details of Water, Air Emission, HW periodically.
8. The unit shall operate with valid consent under Water Act and Air Act and Authorisation under HOWM Rules, 2016 at all times.

RAMASAMY
RAJAMANICKAM

Digitally signed by RAMASAMY
RAJAMANICKAM
Date: 2022.02.18 06:16:40 +05'30'

**For Member Secretary
Tamil Nadu Pollution Control Board
Chennai**

To
The Director
AKSHARA INDUSTRIES LIMITED
09, Eguvarpalayam village, Gummidipoondi (TK)
Pin:600112

ANNEXURE - VIII

Form IV Annual Return

Date: 26/05/2025

To

The District Environmental Engineer.
Tamil Nadu Pollution Control Board.
Gummidipoondi 601201.

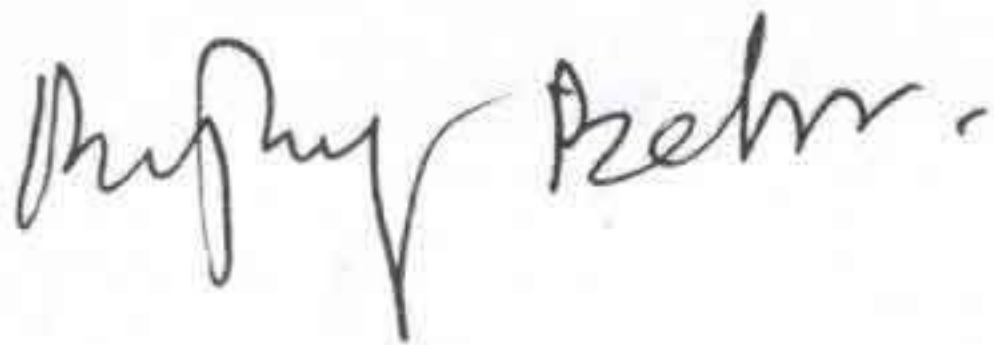
Dear Sir,

Sub: Form 4 For the Period 2024-2025

Please find the enclosed copy of our FORM 4 for your kind perusal

Thanking you.
Yours faithfully.

For Akshara Industries Private Limited.



Authorized Signatory

Eac: Copy of Form 4 For the period 2024-2025



FORM 4

[See rules 6(5), 13(8), 16(6) and 20(2)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April to March]

1. Name and address of facility: AKSHARA INDUSTRIES PVT LTD.

S.F. No.225/lc1,225/lc2 Eguvarpalayam village,
Gummidipoondi (TK)
Thiruvallur, Tamil Nadu. 601201

2. Authorization no. and Date of issue: 22HFC41405733 Date: 09/02/2022
3. Name of the authorized person and full address with telephone, fax number and e-mail:
NAME : Bijay Behera.
ADDRESS: 09 Eguvarpalayam village, Gummidipoondi (TK) THIRUVALLUR, TN 601201
Email : aksharaegu@gmail.com
4. Production during the year (product wise), where applicable
Sponge Irqn 60000 MT

Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise: 5.1 - 1 T
2. Quantity dispatched
(i) To disposal facility
(ii) To recycler or co-processors or pre-processor : 0.7 T
(iii) Others
3. Quantity utilized in-house, if any - Nil
4. Quantity in storage at the end of the year - 0.3 T

Part B. To be filled by Treatment, storage and disposal facility operators

Not Applicable.

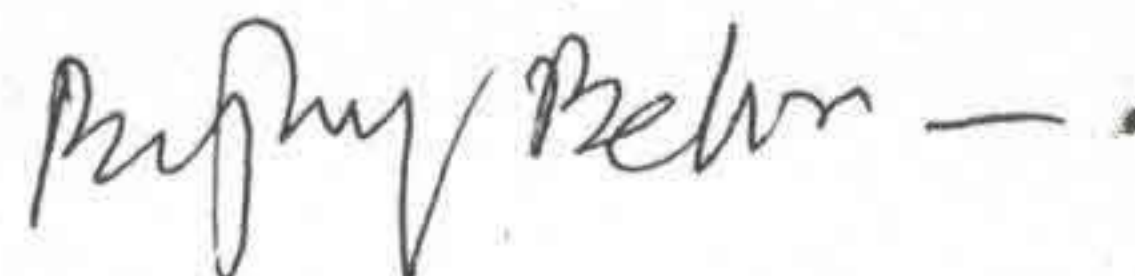
Part C. To be filled by recyclers or co-processors or other users

Not Applicable

Date:

Place GPD.....

Signature of the Occupier

Or 

Operator of the disposal facility

ANNEXURE - IX

NOC certificate of Ground Water Clearance



GOVERNMENT OF TAMILNADU
WATER RESOURCES DEPARTMENT

Visuvaavasu,
Thiruvalluvar Aandu 2056

From:

Er. T. Thamizhselvi, M.E.,
Chief Engineer, WRD,
State Ground & Surface Water
Resources Data Centre
Tharamani, Chennai 600 113.
Phone : 91-44-22542223 (Direct)
91-44-22541526/27(Board)
Email: cegwchennai@gmail.com
Web site: www.groundwatertnpwd.org.in

To:

**M/s. Akshara Industries Private
Limited,**
183/1, Sydenhams Road,
Apparao Garden, Choolai,
Chennai-600 112.

Lr.No.DD(G)/OT10/AG-6/02/Renewal-NOC/Chennai/2026/dated: 07.01.2026.

Sir,

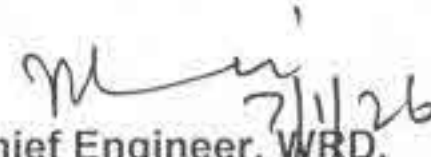
Sub: "Renewal of No Objection Certificate" for drawal of groundwater to "M/s. Akshara Industries Private Limited", Eguvarpalayam Village, Madharpakkam Firka, Gummidipoondi Taluk, Thiruvallur District -5th Renewal of NOC - Reg.

Ref: 1. This Office Lr.No.DD(G)/OT 10/G-6/1042/ Renewal NOC/ Chennai/ 2024/dt: 23.12.2024.
2. The firm Renewal of NOC application dated: 26.09.2025.
3. SE/GWC/Chennai/Lr.No;313^{CE}/AD(GP)/GWC/CH/F30/ NOC/2025/Dt.29.12.2025.

Please find the enclosed "Renewal of No Objection Certificate", for drawal of groundwater to "M/s. Akshara Industries Private Limited", Eguvarpalayam Village, Madharpakkam Firka, Gummidipoondi Taluk, Thiruvallur District. As per the G.O.(Ms).No 142 PW(R2)Dept, dt;23.07.2014, NOC for the water based industries must be renewed every year. You are requested to strictly adhere to the quantity permitted and conditions mentioned in the certificate and **apply for renewal of NOC** before two months from the date of expiry **29.10.2026** without fail. If you fail to apply for renewal of NOC, it will be treated as "illegal" and informed to the District Monitoring Committee to seal the bore well in your unit as per Madras High Court orders in WP.No.28535/2014 & WP.No.16299/2018.

Enclosure:

1. Renewal of No Objection Certificate & Conditions


Chief Engineer, WRD,

SG & SWRDC, Tharamani, Chennai-113.



Certificate No.02/2026 (R-5)

Dated: 07.01.2026.

**GOVERNMENT OF TAMIL NADU
WATER RESOURCES DEPARTMENT
STATE GROUND & SURFACE WATER RESOURCES DATA
CENTRE CHENNAI – 113
Renewal of No Objection Certificate**

This is to certify that “M/s. AKSHARA INDUSTRIES PRIVATE LIMITED, Eguvarpalayam Village, Madharpakkam Firka, Gummidipoondi Taluk, Thiruvallur District is hereby given the “Renewal of No Objection Certificate” for the drawal of the total quantity of **1,80,000 LPD** (One Lakh Eighty thousand litres per day) of groundwater for the purpose of “Industry” from the Ground water structure listed below with strict adherence to stipulated conditions.

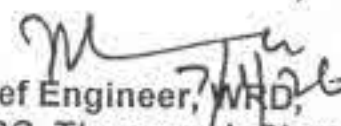
Sl. No	Referred Well / Bore Well & SF. No	Village / Firka	Co-ordinates		Quantity Permitted for Pumping in LPD
			Latitude	Longitude	
1.	Bore Well-1/ 225/1C1A	Eguvarpalayam /	13.43361111 N	80.07250000 E	90,000
2.	Bore Well-2/ 225/1C1A	Madharpakkam	13.43388889 N	80.07194444 E	90,000
Total					1,80,000

This renewal certificate is valid from 30.10.2025 to 29.10.2026 and the renewal NOC is issued under the conditions laid down.


Chief Engineer, WRD,
SG &SWRDC, Tharamani, Chennai-113

5th Renewal NOC Conditions pertaining to M/s. Akshara Industries Private Limited, Thiruvallur District.

- 1 This No Objection certificate issued for ground water extraction applies to the referred ground water abstraction structure only.
- 2 All the other ground water abstraction structures (dug wells/bore wells/dug-cum bore wells) other than the permitted one inside the plant area should not be considered for this permission.
- 3 Such structures as said in Condition No.20 should be closed or used only for Rain water harvesting purposes.
- 4 This Certificate is applicable for drawal of permitted Quantity of ground water only and not for transportation.
- 5 The company shall install calibrated flow meters on the approved bore well(s)/open well(s), ensure that the quantity drawn does not exceed the permitted limit, and Maintain continuous records of water drawal from the date of commencement. Submit monthly statements of daily water drawal to the concerned Executive Engineer, Groundwater Division/Assistant Director(Geology), Ground water sub Division.
- 6 The flow meter must be sealed in the presence of The Executive Engineer, Ground Water Division, or The Assistant Director (Geology), Ground Water Sub-Division, or The Assistant Geologist of the respective district, same may be adopted in case of repair, maintenance and replacement.
- 7 As and when the officials of Ground Water Wing of WRD inspect the site/premises, perusal of drawal records and water quality observations should be allowed.
- 8 Rain water harvesting structure is to be established as per the direction of this department. Rain water harvesting structures already exist inside the plant premises, it should be maintained properly.
- 9 Violation of the above stipulations in any form may lead to cancellation of the permission accorded by the Government.
- 10 The Company should be ready to pay the levy/charges for drawal of ground water for commercial purposes, if Government / Ground Water Authority imposes any such orders in future.
- 11 It is also informed that during the renewal of the NOC, depending upon the hydrogeological condition the category of the area and the site conditions, the quantity will be vary from permitted quantity.
- 12 The handed over Bore Well to this Department for Water Level monitoring purpose should be maintained properly. The industry has to take the water level in the first week of every month & maintain a monthly water level Register and the Assistant Geologist concerned should monitor the water level data and also check whenever required.
- 13 A display board must be installed near each abstraction and monitoring well, clearly showing NOC Number and Date, Permitted Groundwater Drawal Quantity, Well Identification / Coordinates and Flow Meter Details (Make, Serial No., Installation Date).
- 14 This No Objection Certificate is applicable only for the purpose of "Industry", if any deviation in the usage of ground water is found, the NOC accorded is automatically deemed to be cancelled.
- 15 As per the G.O.(Ms).No 142 PW(R2)Dept, dt;23.07.2014, NOC for the water based industries must be renewed every year.
- 16 The Groundwater Quality Report for both the abstraction well and the monitoring bore well (to be obtained from an NABL-accredited laboratory) must be submitted along with the renewal application for industries drawing more than 2 lakh liters per day (LPD) of groundwater.
- 17 A report evaluating the impact of groundwater drawal by the proponent, both within the premises and in the surrounding areas, must be submitted with the renewal application for industries drawing more than 2 lakh LPD.
- 18 The rejected water/effluent discharge must be recycled and reused in compliance with the norms set by the Tamil Nadu Pollution Control Board (TNPCB). The industry/infrastructure must transit to a zero liquid discharge (ZLD) facility as soon as possible, in consultation with TNPCB.
- 19 The Assistant Director (G), Groundwater Sub Division/The Assistant Geologist, Groundwater Section of the respective District would inspect either the rain water harvesting structures established in the premises of the firm or the records maintained or even the drawal of ground water as and when needed and it is the mandatory of the firm to maintain the Rain water harvesting structure/ structures properly and show the records needed.
- 20 If any information / Documents submitted by this firm is found to false / in correct or any data provided by the firm is found to be incorrect, the NOC issued to the firm will be cancelled by this department without any prior notice.


Chief Engineer, WRD,
SG&SWRDC, Tharamahi, Chennai-113.

ANNEXURE - X

Green Belt Development

GREEN BELT DEVELOPMENT

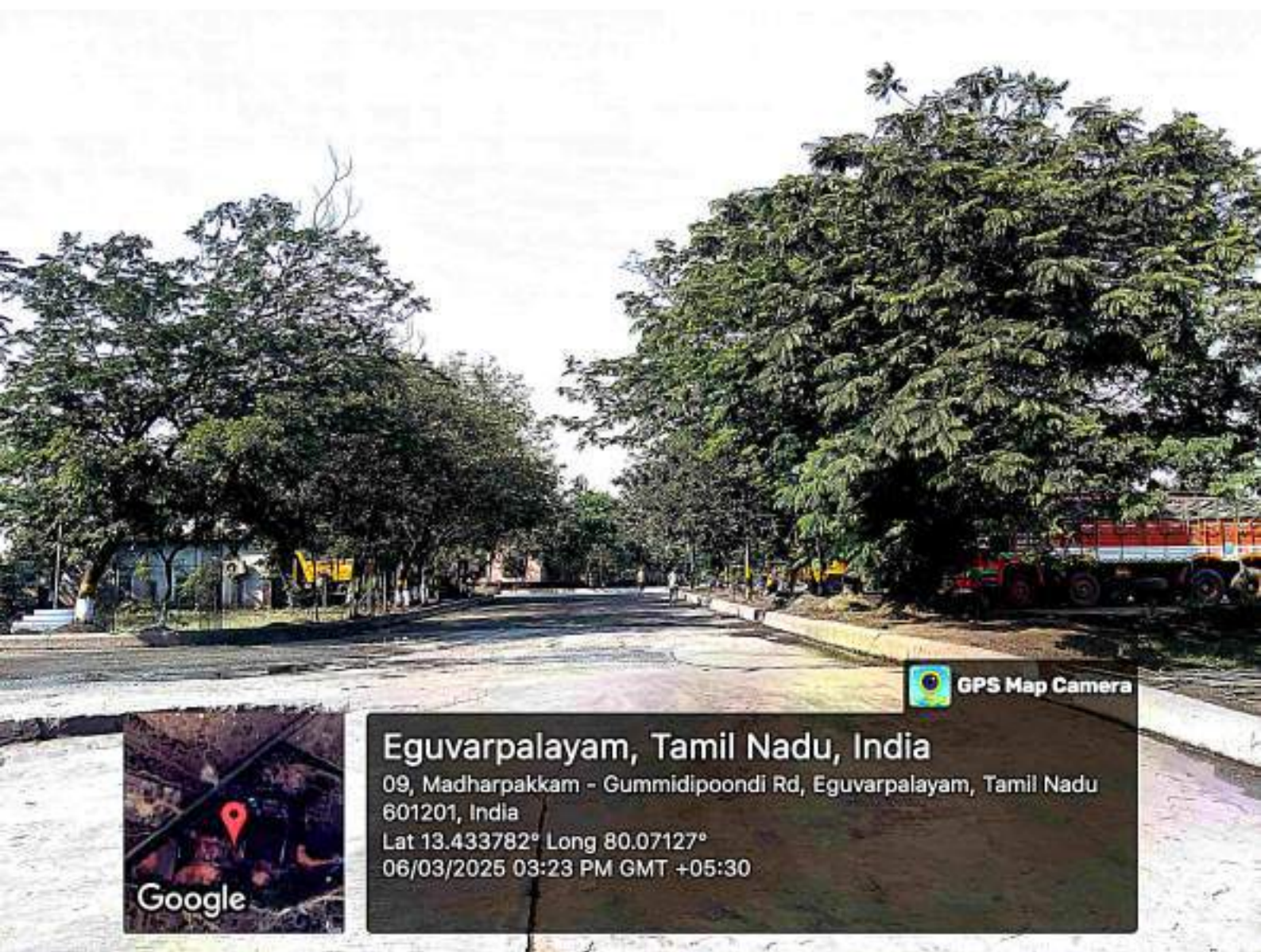
SL.NO.	DESCRIPTION	Quantity
1	Total Area	15.49 ha
2	Developed Green Belt land area	5.4 ha - 35%
3	Trees Developed Existing	6000 Nos.
4	Newly Tress Planted in March 2024	1680 Nos.
5	Total Trees Developed	7680 Nos.

GREEN BELT AREA COVERING DIRECTION

SL.NO.	DESCRIPTION	Latitude	Longitude
1	GREEN BELT Area Covering Along the Madharpakkam Road – West Direction	13°26'7.26"N	80° 4'20.14"E
		13°25'57.40"N	80° 48.11"E
		13°26'7.55"N	80° 4'20.28"E
		13°25'57.86"N	80° 4'6.64"E
		Latitude	Longitude
2	GREEN BELT Area Covering – North Direction	13°26'7.26"N	80° 4'20.14"E
		13°26'2.15"N	80° 4'30.83"E
		13°26'7.55"N	80° 4'20.28"E
		13°26'1.90"N	80° 4'30.58"E
		Latitude	Longitude
3	GREEN BELT Area Covering – South Direction	13°25'57.40"N	80° 48.11"E
		13°25'59.70"N	80° 4'29.14"E
		13°25'57.86"N	80° 4'6.64"E
		13°25'59.05"N	80° 4'29.42"E
		Latitude	Longitude
4	GREEN BELT Area Covering – East Direction	13°25'59.66"N	80° 4'30.97"E
		13°26'2.22"N	80° 4'30.47"E
		13°25'59.05"N	80° 4'29.42"E
		13°26'1.90"N	80° 4'30.58"E

DETAILS OF TREES IN THE PLANT

Sr. No.	Name of the Trees
1	Banyan Tree
2	Mast Tree
3	Neem Tree
4	Mango Tree
5	Tamarind Tree
6	Ficus Religiosa Tree
7	Coconut Tree
8	Teakwood Tree
9	Almond Tree
10	Palm Tree
11	Guava Tree
12	Andrographic Paniculata Tree
13	Portia Tree
14	Pungai Tree
15	Mahogary
16	Badam Tree



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Eguvarpalayam, Tamil Nadu, India

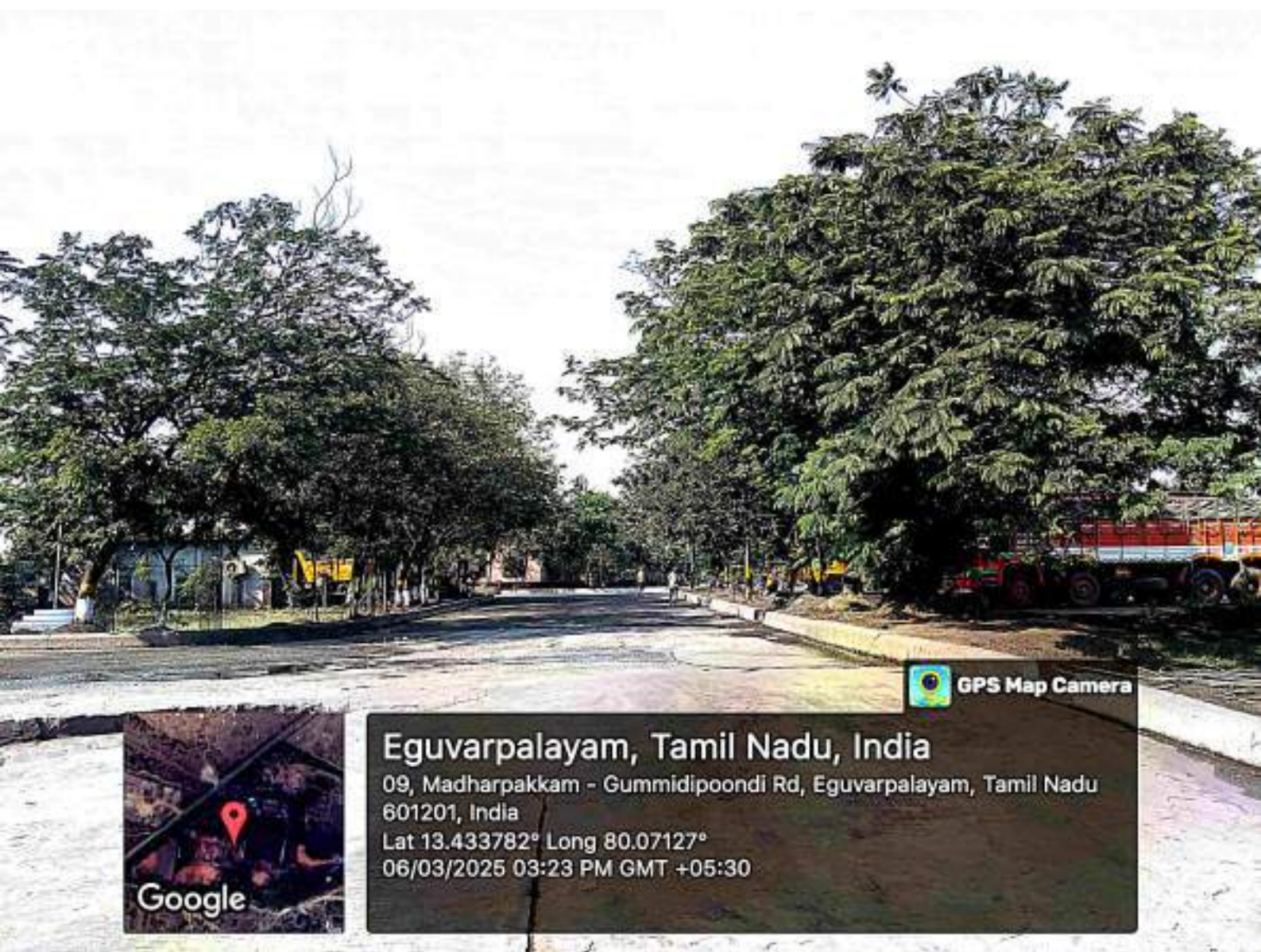
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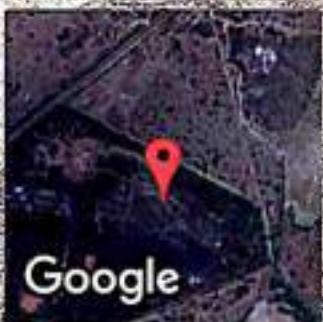


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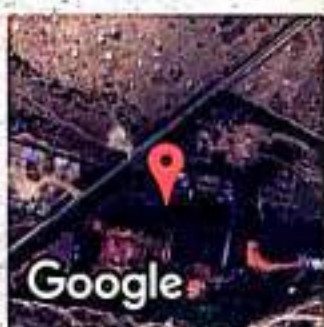
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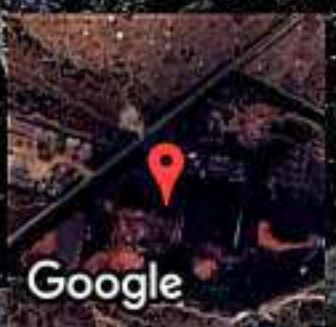
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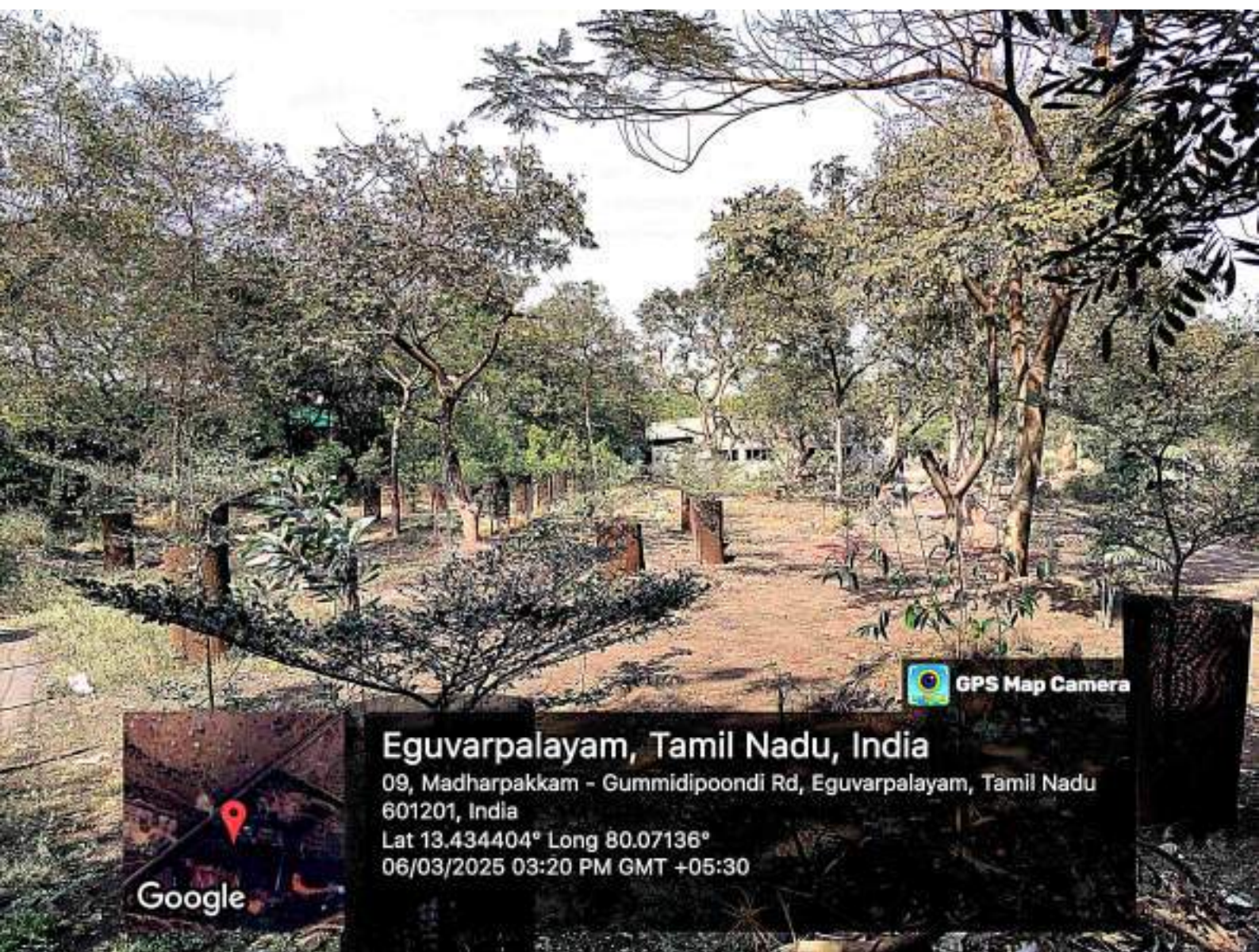
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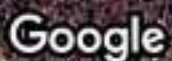
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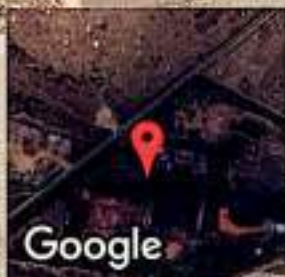
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Eruvampalayam, Tamil



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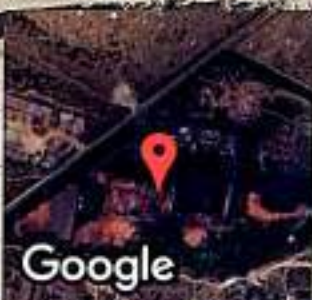








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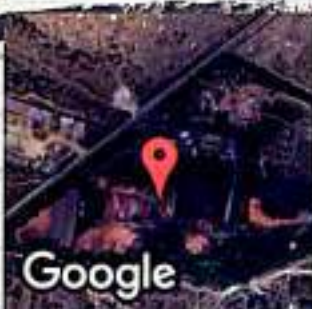
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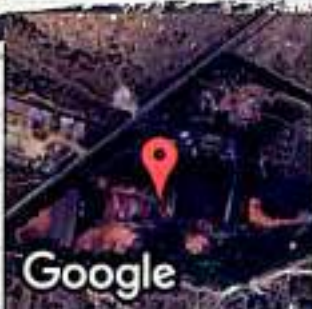
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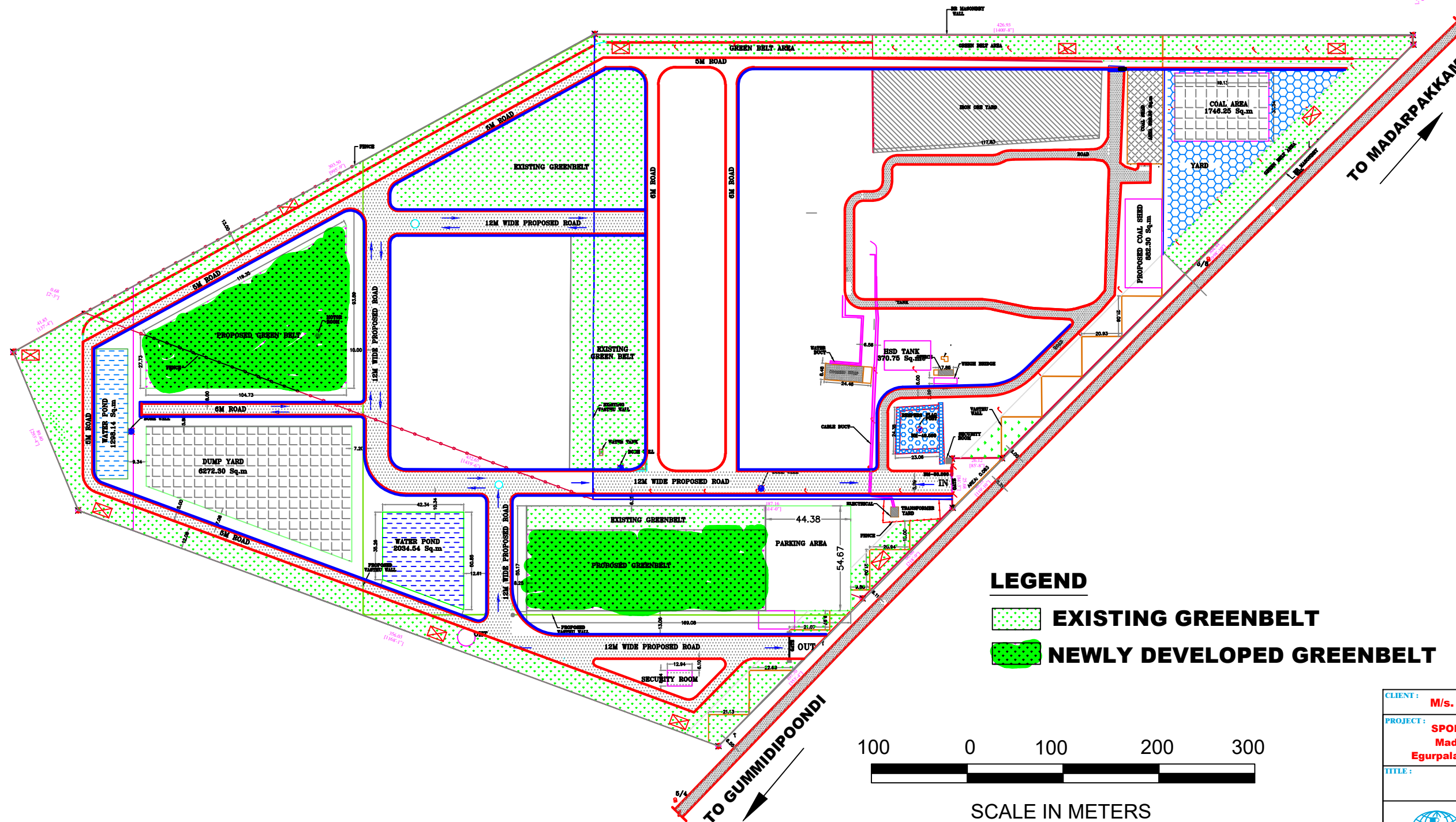


Eguvarpalayam, Tamil Nadu, India

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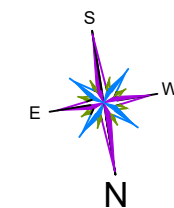
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LEGEND

- EXISTING GREENBELT**
- NEWLY DEVELOPED GREENBELT**

NORTH DIRECTION



TOTAL PLANT AREA:- 15.39 ha
GREEN BELT AREA :- 5.4 ha

CLIENT : **M/s. AKSHARA INDUSTRIES PRIVATE LIMITED**

PROJECT : **SPONGE IRON WITH SECONDARY STEEL PLANT**
Madherpakkam Villages, Gummidipoondi Road ,
Egurpalayam Mandal, Thervallur District, Tamil Nadu.

TITLE : **GREENBELT MAP**



PREPARED BY
B.S.ENVI-TECH (P) LTD.,
SECUNDERABAD

SCALE IN METERS

ANNEXURE - XI

**MOU with Hospital and photo of
Occupational Health centre**

MEMORANDUM OF UNDERSTANDING (MOU)

This Memorandum of Understanding (MOU) establishes a partnership between **THULIR MEDI SERVICES PRIVATE LIMITED** and **AKSHARA INDUSTRIES PRIVATE LIMITED** to provide comprehensive healthcare services to **AKSHARA INDUSTRIES** employees and their dependents, including outpatient consultations, inpatient care, emergency services, and the transfer of patients requiring critical care management to Thulir's tie-up hospital in Chennai.

1. Parties to the Agreement

This Memorandum of Understanding (MoU) is entered into on this 10TH day of April- 2025 by and between:

THULIR MEDI SERVICES PRIVATE LIMITED, CIN:U87100TN2024PTC172350, having its office at No. 49/3B2A1, Kalathi street, Pudugummidipoondi , Chennai-601 201. , represented by its Director Mr. Dr GIRISH DEVANADAN AND Mr. A NITIN PRASAD, (hereinafter referred to as "**THULIR MEDI SERVICES**" which expression shall mean and include its successors, and permitted assigns) of the **SERVICE PROVIDER**;

AKSHARA INDUSTRIES PRIVATE LIMITED, CIN:U27102TN2004PLC052915, having its manufacturing facility located at S.F.NO 225/1C1A, 225/1C2 & 225/3, Eguvarpalayam Village, Gummidipoondi (Tk), Thiruvallur District, Tamil Nadu – 601201, (hereinafter referred to as "**AKSHARA INDUSTRIES**" which expression shall mean and include its successors, and permitted assigns) of the **COMPANY**.

Both parties agree to collaborate under the terms and conditions mentioned in this document.

2. Objective

The objective of this MoU is to establish a partnership between the SERVICE PROVIDER and the COMPANY for the provision of:

- Hospital tie-up services for **primary, secondary, and tertiary medical care**.
- **24x7 on-call ambulance services**.
- Emergency handling and admission facilitation.
- General health support services for COMPANY employees.

3. Scope of Services

The **SERVICE PROVIDER** shall provide the following services:

- The detailed tariff for Services is provided in **Annexure – I**.
- **Assistance in admission** to partnered secondary or tertiary care hospitals in case of emergency or serious illness.
- **On-call ambulance services** from COMPANY location to the nearest partnered hospital on agreed tariff.



- **Specialist Consultation Appointment, lab tests, and pharmacy services** at partnered hospitals and clinics.
- Facilitation of **super specialist appointments and referrals** when needed.
- **CSR Activity** organizing and support services for the company.
- **Health camp support**, medical emergency preparedness and general health awareness assistance.

4. Security Deposit

- The COMPANY shall remit a **refundable security deposit of ₹20,000 (Rupees Twenty Thousand Only)** to the SERVICE PROVIDER upon signing of this MoU.
- The deposit will be held as a service retainer for the contract period and will be **fully refunded** at the end of the term if the services are **not availed**.
- If services are utilized during the contract period, the security deposit will be adjusted against invoices raised.

5. Emergency and In-Patient Admission Protocol

- In the event of a **medical emergency**, the SERVICE PROVIDER will coordinate with its tied-up hospitals for **immediate admission**.
- For **secondary or tertiary care admission, written or verbal authorization** must be obtained from the COMPANY's authorized representative.
- An **advance payment**, as specified by the hospital, shall be paid by the COMPANY or the authorized representative **prior to or during the time of admission**.
- The SERVICE PROVIDER will assist in providing estimates, facilitating admission, and supporting communication between hospital and COMPANY.
- In the absence of timely authorization or advance, admission will be processed as per **standard hospital procedures**, and costs may have to be borne directly by the employee/patient.

6. Billing and Payments

- Any service utilization will be billed on an actuals basis by the SERVICE PROVIDER or its partnered hospital.
- Monthly invoices (if applicable) shall be shared by the SERVICE PROVIDER with the COMPANY within 5th of every month.
- Payments must be cleared within **7 working days** of invoice receipt.
- A detailed summary of services availed and corresponding costs will be included in all billing.



7. Contract Term

- This MoU shall be effective for a period of **Two (2) years** from the date of signing and is **renewable upon mutual consent**.
- In case of non-renewal, all dues must be settled and the refundable deposit (if unutilized) will be returned within **45 business days** of termination.

8. Termination Clause

- Either party may terminate this MoU with a **30-day written notice**.
- On termination, the SERVICE PROVIDER shall provide a final settlement statement including any dues and refundable deposit status.

9. Confidentiality

THULIR MEDI SERVICES agrees and undertakes not to disclose, communicate to or otherwise make available to any third party, and to keep in the strictest confidence, all Confidential Information whether provided directly by **AKSHARA INDUSTRIES** or its Representatives ("**Disclosing Party**") to THULIR MEDI SERVICES ("**Receiving Party**") or whether **THULIR MEDI SERVICES** getting access to relating to the business and operations of **AKSHARA INDUSTRIES PRIVATE LIMITED**.

Both parties shall maintain confidentiality of all employee health records, operational details, and commercial terms shared during the contract period.

10. Dispute Resolution

Any dispute arising from this MoU shall be resolved amicably through discussion. Failing which, it shall be settled by arbitration under the Indian Arbitration and Conciliation Act, 1996, with **jurisdiction at Chennai, Tamil Nadu**.

11. General Conditions

- All medical emergencies must be reported promptly by COMPANY representatives to the SERVICE PROVIDER.
- In case of multiple emergencies, priority shall be decided based on severity.
- SERVICE PROVIDER shall not be responsible for delays caused due to force majeure circumstances.



Annexure – I

SERVICES & FEE

Multi Specialty Consultation Tariff

Description	Tariff
General Medicine	100
Ophthalmology	300
ENT	500
Gynaecology	600
Dermatology	750
Orthopedics	1000
Gastroenterology	1500
Cardiology	1500
Nephrology	1500
Pulmonology	1500
Endocrinology	2000
Oncology	2000
Neurology	2500

Radiology and Lab Test Tariff

Radiology Services

Procedure/Test	Rate (₹)
X-Ray (Single View)	500
X-Ray (Multiple Views)	1000
Ultrasound (Abdomen)	1500

Procedure/Test	Rate (₹)
CT Scan (Without Contrast)	3,500
CT Scan (With Contrast)	5,500
MRI (Without Contrast)	6,500
MRI (With Contrast)	8,500

Laboratory Tests

Test	Rate (₹)
Complete Blood Count (CBC)	450
Blood Glucose (Fasting/PP)	150
Lipid Profile	800
Liver Function Test (LFT)	900
Kidney Function Test (KFT)	1,000
Thyroid Profile (T3, T4, TSH)	750
D-Dimer	2,000
HBA1c	500

Disclaimer

- The above rates are current as of the date mentioned and are subject to revision based on operational costs and market dynamics.
- Please confirm the rates at the time of booking the test.

Medicines

All medicines will be offered at a **10% discount**.



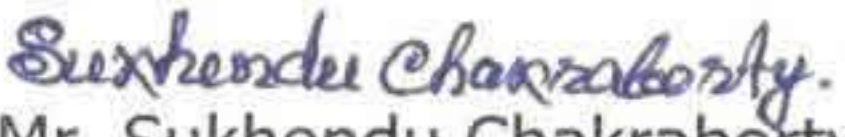
Annexure – II
POINT OF CONTACT

For and on behalf of THULIR MEDICAL SERVICES PRIVATE LIMITED	For and on behalf of AKSHARA INDUSTRIES PRIVATE LIMITED
Name: Mr. A Nitin Prasad Email: nitinprasad@thulirmediservices.com	Name: Bijay Behera Email: aksharaegu@gmail.com

IN WITNESS WHEREOF the parties have hereunto executed this Agreement the day and the year first herein above written.

For AKSHARA INDUSTRIES PRIVATE LIMITED

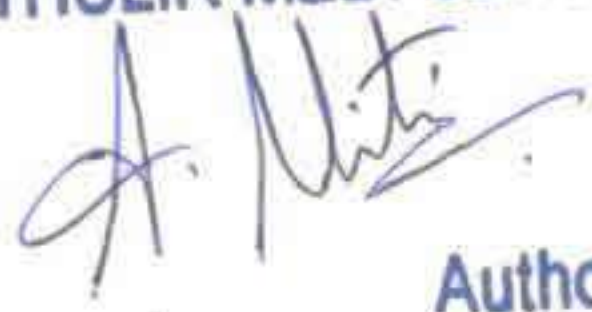

Mr. Harjinder Singh.
Director/ Authorized Signatory


Mr. Sukhendu Chakraborty.
Director/Authorized Signatory



For THULIR MEDICAL SERVICES PRIVATE LIMITED

For **THULIR MEDICAL SERVICES PVT. LTD.**


Mr. A Nitin Prasad
Director


Dr. P Girish Devanadan
Director

Authorised Signatory

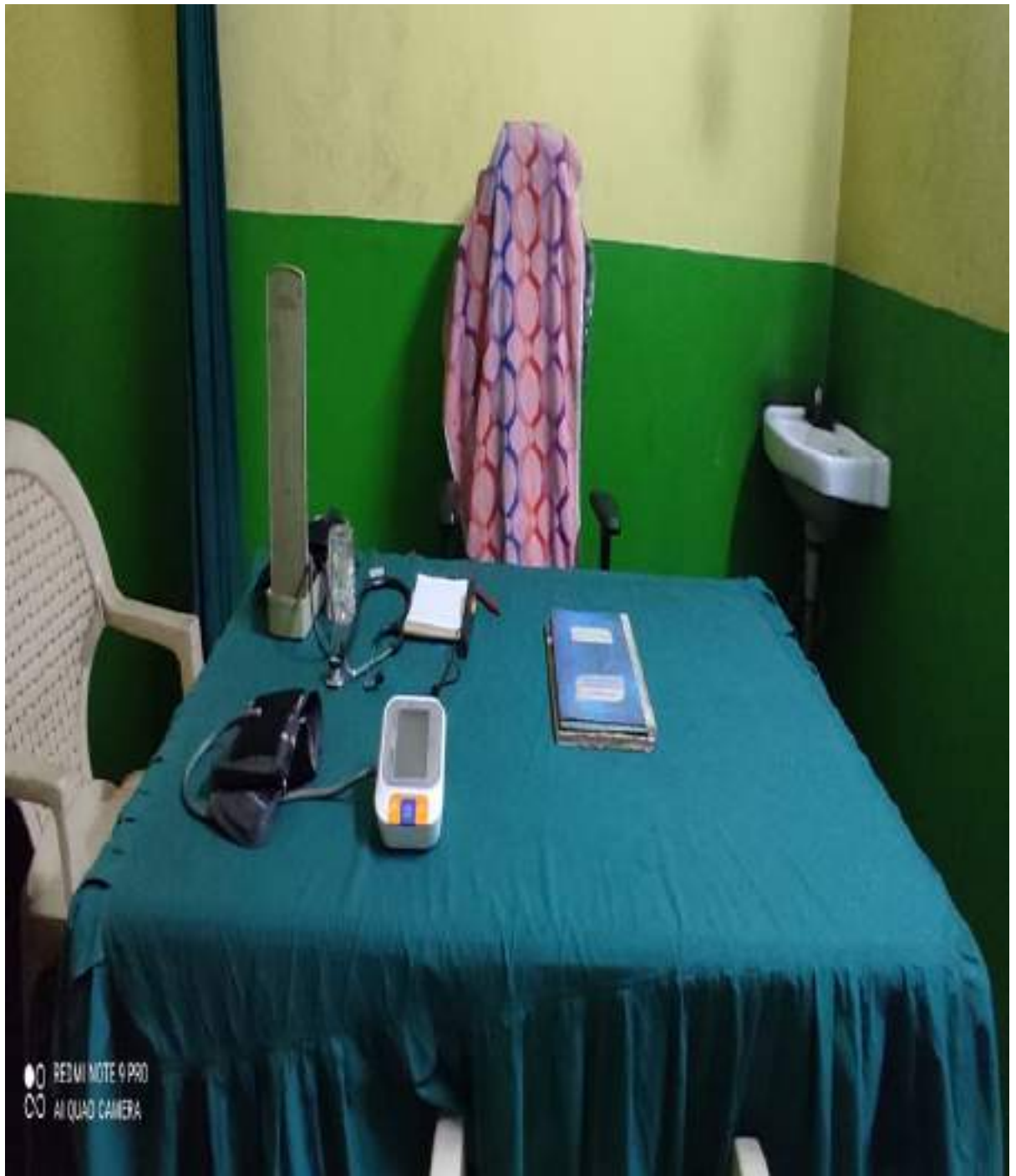
For **THULIR MEDICAL SERVICES PVT. LTD.**

Authorised Signatory



OCCUPATIONAL HEALTH CENTRE









ANNEXURE - XII

**Test report of Fugitive Emission in various
locations of the pant**

TEST REPORT

Test Report No & Date CTL/CH/N-36326/2024-25 & 07.01.2025
Sample Number N-36326/24-25
Name of the Customer M/s.Akshara Industries Private Limited.,
Address 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by Laboratory
Sample Name Indoor Air
Sample Description Indoor Air Quality
Sampling Location PRODUCT PROCESSING AREA - BAGGING AREA
Sample Drawn on 30.12.2024
Sample Received on 31.12.2024
Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity 1 No
Equipment used for Sampling Personal Sampler S.No:1079 DTC 2018,CO2 Analyser S.No:R013052
Analysis Started on 31.12.2024
Analysis Completed on 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	4.81	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.035	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.062	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	427	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

END OF REPORT

Verified by



For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN
SENIOR MANAGER
(CHEMICAL)

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TEST REPORT

Test Report No & Date CTL/CH/N-36327/2024-25 & 07.01.2025
Sample Number N-36327/24-25
Name of the Customer M/s.Akshara Industries Private Limited.,
Address 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by Laboratory
Sample Name Indoor Air
Sample Description Indoor Air Quality
Sampling Location PRODUCT PROCESSING AREA - INTERMEDIATE STACK BIN AREA
Sample Drawn on 30.12.2024
Sample Received on 31.12.2024
Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity 1 No
Equipment used for Sampling Handy Sampler S.No:890 DTI 2018,CO2 Analyser S.No:R013052
Analysis Started on 31.12.2024
Analysis Completed on 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	4.53	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.021	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.046	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	407	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

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CIN : U93000TN2000PTC043869



TEST REPORT

Test Report No & Date CTL/CH/N-36333/2024-25 & 07.01.2025
Sample Number N-36333/24-25
Name of the Customer M/s.Akshara Industries Private Limited.,
Address 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by Laboratory
Sample Name Indoor Air
Sample Description Indoor Air Quality
Sampling Location COOLER DISCHARGE AREA - OVEN SIZE DISCHARGE AREA
Sample Drawn on 30.12.2024
Sample Received on 31.12.2024
Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity 1 No
Equipment used for Sampling Handy Sampler S.No:888 DTD 2018,CO2 Analyser S.No:R013052
Analysis Started on 31.12.2024
Analysis Completed on 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	3.12	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.021	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.035	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	460	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

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Authorized Signatory
G.MANIKANDAN
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TEST REPORT

Test Report No & Date CTL/CH/N-36332/2024-25 & 07.01.2025
Sample Number N-36332/24-25
Name of the Customer M/s.Akshara Industries Private Limited.,
Address 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by Laboratory
Sample Name Indoor Air
Sample Description Indoor Air Quality
Sampling Location COOLER DISCHARGE AREA - TRANSFER POINT
Sample Drawn on 30.12.2024
Sample Received on 31.12.2024
Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity 1 No
Equipment used for Sampling Handy Sampler S.No:897 DTI 2018, CO2 Analyser S.No:R013052
Analysis Started on 31.12.2024
Analysis Completed on 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	3.30	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.028	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.042	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	490	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

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TEST REPORT

Test Report No & Date: CTL/CH/N-36331/2024-25 & 07.01.2025
 Sample Number: N-36331/24-25
 Name of the Customer: M/s.Akshara Industries Private Limited.,
 Address: 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
 Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by: Laboratory
 Sample Name: Indoor Air
 Sample Description: Indoor Air Quality
 Sampling Location: PRODUCT PROCESSING AREA - TRANSFER POINT
 Sample Drawn on: 30.12.2024
 Sample Received on: 31.12.2024
 Sampling Plan & Procedure: CTL/QSP/F-89 & CTL/SOP/AIR/024
 Sample Quantity: 1 No
 Equipment used for Sampling: Handy Sampler S.No:882 DTD 2018,CO2 Analyser S.No:R013052
 Analysis Started on: 31.12.2024
 Analysis Completed on: 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	3.70	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.024	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.032	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	450	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

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TEST REPORT

Test Report No & Date CTL/CH/N-36322/2024-25 & 07.01.2025
Sample Number N-36322/24-25
Name of the Customer M/s.Akshara Industries Private Limited.,
Address 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
 Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by Laboratory
Sample Name Indoor Air
Sample Description Indoor Air Quality
Sampling Location CRUSHER AREA - COAL CRUSHING POINT
Sample Drawn on 30.12.2024
Sample Received on 31.12.2024
Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity 1 No
Equipment used for Sampling Personal Sampler S.No:22 DTI 2017,CO2 Analyser S.No:R013052
Analysis Started on 31.12.2024
Analysis Completed on 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	3.62	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.017	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.030	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	470	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

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SENIOR MANAGER
(CHEMICAL)

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TEST REPORT

Test Report No & Date	CTL/CH/N-36330/2024-25 & 07.01.2025
Sample Number	N-36330/24-25
Name of the Customer	M/s.Akshara Industries Private Limited.,
Address	09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam, Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.
Sample Drawn by	Laboratory
Sample Name	Indoor Air
Sample Description	Indoor Air Quality
Sampling Location	PRODUCT PROCESSING AREA - PRODUCT SEPERATION AREA
Sample Drawn on	30.12.2024
Sample Received on	31.12.2024
Sampling Plan & Procedure	CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity	1 No
Equipment used for Sampling	Handy Sampler S.No:888 DTD 2018.CO2 Analyser S.No:R013052
Analysis Started on	31.12.2024
Analysis Completed on	07.01.2025

Test Results:

The above sample tested as received, and results are as follows;

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	4.30	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.014	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.027	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	452	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

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TEST REPORT

Test Report No & Date	CTL/CH/N-36329/2024-25 & 07.01.2025
Sample Number	N-36329/24-25
Name of the Customer	M/s.Akshara Industries Private Limited.,
Address	09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam, Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.
Sample Drawn by	Laboratory
Sample Name	Indoor Air
Sample Description	Indoor Air Quality
Sampling Location	PRODUCT PROCESSING AREA - OVEN SIZE DISCHARGE AREA
Sample Drawn on	30.12.2024
Sample Received on	31.12.2024
Sampling Plan & Procedure	CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity	1 No
Equipment used for Sampling	Handy Sampler S.No:897 DTI 2018,CO2 Analyser S.No:R013052
Analysis Started on	31.12.2024
Analysis Completed on	07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

Sl.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	3.92	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.021	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.037	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	445	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

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TEST REPORT



Test Report No & Date: CTL/CH/N-36315/2024-25 & 07.01.2025
Sample Number: N-36315/24-25
Name of the Customer: M/s.Akshara Industries Private Limited.,
Address: 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by: Laboratory
Sample Name: Indoor Air
Sample Description: Indoor Air Quality
Sampling Location: RAW MATERIAL FEED AREA - FEEDER AREA
Sample Drawn on: 30.12.2024
Sample Received on: 31.12.2024
Sampling Plan & Procedure: CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity: 1 No
Equipment used for Sampling: Personal Sampler S.No:22 DTI 2017, CO2 Analyser S.No:R013052
Analysis Started on: 31.12.2024
Analysis Completed on: 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	3.07	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.016	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.028	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	465	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

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CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date CTL/CH/N-36316/2024-25 & 07.01.2025
Sample Number N-36316/24-25
Name of the Customer M/s.Akshara Industries Private Limited.,
Address 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by Laboratory
Sample Name Indoor Air
Sample Description Indoor Air Quality
Sampling Location RAW MATERIAL FEED AREA - TRANSFER POINTS
Sample Drawn on 30.12.2024
Sample Received on 31.12.2024
Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity 1 No
Equipment used for Sampling Personal Sampler S.No:21 DT1 2017,CO2 Analyser S.No:R013052
Analysis Started on 31.12.2024
Analysis Completed on 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	4.12	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.028	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.045	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	478	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

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TEST REPORT

Test Report No & Date CTL/CH/N-36317/2024-25 & 07.01.2025
Sample Number N-36317/24-25
Name of the Customer M/s.Akshara Industries Private Limited.,
Address 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by Laboratory
Sample Name Indoor Air
Sample Description Indoor Air Quality
Sampling Location RAW MATERIAL FEED AREA - MIXING AREA
Sample Drawn on 30.12.2024
Sample Received on 31.12.2024
Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity 1 No
Equipment used for Sampling Personal Sampler S.No:220 DTH 2018,CO2 Analyser S.No:R013052
Analysis Started on 31.12.2024
Analysis Completed on 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	4.10	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.027	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.052	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	460	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

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For Chennai Testing Laboratory Pvt Ltd


Authorised Signatory

G.MANIKANDAN
SENIOR MANAGER
(CHEMICAL)

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TEST REPORT



Test Report No & Date	CTL/CH/N-36318/2024-25 & 07.01.2025
Sample Number	N-36318/24-25
Name of the Customer	M/s.Akshara Industries Private Limited.,
Address	09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam, Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.
Sample Drawn by	Laboratory
Sample Name	Indoor Air
Sample Description	Indoor Air Quality
Sampling Location	RAW MATERIAL HANDLING AREA - IRON ORE TRANSFER POINT
Sample Drawn on	30.12.2024
Sample Received on	31.12.2024
Sampling Plan & Procedure	CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity	1 No
Equipment used for Sampling	Personal Sampler S.No:80 DTL 2013,CO2 Analyser S.No:R013052
Analysis Started on	31.12.2024
Analysis Completed on	07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	3.70	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.025	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.046	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	490	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

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CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date: CTL/CH/N-36328/2024-25 & 07.01.2025
Sample Number: N-36328/24-25
Name of the Customer: M/s.Akshara Industries Private Limited.,
Address: 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by: Laboratory
Sample Name: Indoor Air
Sample Description: Indoor Air Quality
Sampling Location: PRODUCT PROCESSING AREA - SCREENING PLANT
Sample Drawn on: 30.12.2024
Sample Received on: 31.12.2024
Sampling Plan & Procedure: CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity: 1 No
Equipment used for Sampling: Handy Sampler S.No:826 DTC 2016, CO2 Analyser S.No:R013052
Analysis Started on: 31.12.2024
Analysis Completed on: 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	4.51	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.023	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.040	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	445	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

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TEST REPORT

Test Report No & Date: CTL/CH/N-36319/2024-25 & 07.01.2025
 Sample Number: N-36319/24-25
 Name of the Customer: M/s.Akshara Industries Private Limited,
 Address: 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
 Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by: Laboratory
 Sample Name: Indoor Air
 Sample Description: Indoor Air Quality
 Sampling Location: RAW MATERIAL HANDLING AREA - STACK BIN AREA
 Sample Drawn on: 30.12.2024
 Sample Received on: 31.12.2024
 Sampling Plan & Procedure: CTL/QSP/F-89 & CTL/SOP/AIR/024
 Sample Quantity: 1 No
 Equipment used for Sampling: Personal Sampler S.No:1079 DTC 2018,CO2 Analyser S.No:R013052
 Analysis Started on: 31.12.2024
 Analysis Completed on: 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	4.37	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.021	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.038	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	435	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

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TEST REPORT

Test Report No & Date: CTL/CH/N-36320/2024-25 & 07.01.2025
 Sample Number: N-36320/24-25
 Name of the Customer: M/s.Akshara Industries Private Limited.,
 Address: 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
 Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by: Laboratory
 Sample Name: Indoor Air
 Sample Description: Indoor Air Quality
 Sampling Location: RAW MATERIAL HANDLING AREA - WAGON TIPPLER AREA
 Sample Drawn on: 30.12.2024
 Sample Received on: 31.12.2024
 Sampling Plan & Procedure: CTL/QSP/F-89 & CTL/SOP/AIR/024
 Sample Quantity: 1 No
 Equipment used for Sampling: Handy Sampler S.No:890 DTI 2018, CO2 Analyser S.No:R013052
 Analysis Started on: 31.12.2024
 Analysis Completed on: 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	3.47	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.031	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.052	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	480	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

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TEST REPORT

Test Report No & Date **CTL/CH/N-36321/2024-25 & 07.01.2025**
 Sample Number **N-36321/24-25**
 Name of the Customer **M/s.Akshara Industries Private Limited.,**
 Address **09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
 Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.**

Sample Drawn by **Laboratory**
 Sample Name **Indoor Air**
 Sample Description **Indoor Air Quality**
 Sampling Location **RAW MATERIAL HANDLING AREA - IRON ORE SCREENING AREA**
 Sample Drawn on **30.12.2024**
 Sample Received on **31.12.2024**
 Sampling Plan & Procedure **CTL/QSP/F-89 & CTL/SOP/AIR/024**
 Sample Quantity **1 No**
 Equipment used for Sampling **Handy Sampler S.No:826 DTC 2016,CO2 Analyser S.No:R013052**
 Analysis Started on **31.12.2024**
 Analysis Completed on **07.01.2025**

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	4.11	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.026	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.051	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	420	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

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TEST REPORT

Test Report No & Date: CTL/CH/N-36323/2024-25 & 07.01.2025
Sample Number: N-36323/24-25
Name of the Customer: M/s.Akshara Industries Private Limited.,
Address: 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by: Laboratory
Sample Name: Indoor Air
Sample Description: Indoor Air Quality
Sampling Location: CRUSHER AREA - COAL VIBRATING SCREEN
Sample Drawn on: 30.12.2024
Sample Received on: 31.12.2024
Sampling Plan & Procedure: CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity: 1 No
Equipment used for Sampling: Personal Sampler S.No:21 DTI 2017, CO2 Analyser S.No:R013052
Analysis Started on: 31.12.2024
Analysis Completed on: 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	4.41	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.037	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.051	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	441	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

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TEST REPORT

Test Report No & Date: CTL/CH/N-36324/2024-25 & 07.01.2025
Sample Number: N-36324/24-25
Name of the Customer: M/s.Akshara Industries Private Limited.,
Address: 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by: Laboratory
Sample Name: Indoor Air
Sample Description: Indoor Air Quality
Sampling Location: CRUSHER AREA - COAL TRANSFER POINT
Sample Drawn on: 30.12.2024
Sample Received on: 31.12.2024
Sampling Plan & Procedure: CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity: 1 No
Equipment used for Sampling: Personal Sampler S.No:220 DTH 2018,CO2 Analyser S.No:R013052
Analysis Started on: 31.12.2024
Analysis Completed on: 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	3.89	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.022	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.054	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	490	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

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TEST REPORT

Test Report No & Date CTL/CH/N-36325/2024-25 & 07.01.2025
Sample Number N-36325/24-25
Name of the Customer M/s.Akshara Industries Private Limited.,
Address 09, Madharpakkam - Gummidipoondi Road, Egurvarpalayam,
 Gummidipoondi, Thiruvallur, Tamil Nadu - 601 201.

Sample Drawn by Laboratory
Sample Name Indoor Air
Sample Description Indoor Air Quality
Sampling Location PRODUCT PROCESSING AREA - MAGNETIC SEPRATION AREA
Sample Drawn on 30.12.2024
Sample Received on 31.12.2024
Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024
Sample Quantity 1 No
Equipment used for Sampling Personal Sampler S.No:80 DTL 2013, CO2 Analyser S.No:R013052
Analysis Started on 31.12.2024
Analysis Completed on 07.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	LIMITS
1	RESPIRABLE PARTICULATE MATTER (PM ₁₀)	NIOSH 0600	mg/m ³	4.77	5*
2	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	mg/m ³	0.038	5**
3	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	mg/m ³	0.064	6**
4	CARBON DIOXIDE (CO ₂)	CTL/SOP/AIR/21	ppm	445	5000*
5	CARBON MONOXIDE (CO)	NIOSH 6604	mg/m ³	BLQ(LOQ:1.15)	55**
6	OXYGEN (O ₂)	NIOSH 6601	%	20.9	>19.5*

*Occupational Safety and Health Standards**As per the Factories Act 1948.

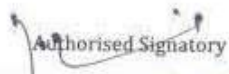
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ANNEXURE - XIII

Details of commitments made during Public Hearing

MINUTES OF THE PUBLIC HEARING MEETING HELD ON 31.10.08 AT 11.00AM AT
M/s AKSHARA INDUSTRIES LTD, EGUVARPALAYAM VILLAGE, GUMMIDIPOONDI
TALUK, TIRUVALLUR DISTRICT FOR EXPANSION SPONGE IRON PLANT AND
INSTAL 22MW THERMAL POWER PROJECT PROPOSED BY M/S AKSHARA
INDUSTRIES LTD.

Present:

Thiruvallargal:

1. Dr. Rajendra Kumar, I.A.S., - Senior District Collector, Tiruvallur District
2. S. Charles Rodriguez, M.Tech., - District Environmental Engineer TNPCB,
Tiruvallur District.

The Public hearing meeting was held for the following proposed project

M/sAkshara Industries Ltd,
Expand Sponge Iron Plant &
Proposed Install 22 MW Power Plant,
Eguvarpalayam Village,
Gummidipoondi Taluk, Tiruvallur District.

At the outset the District Environmental Engineer, TamilNadu Pollution Control Board welcomed the Senior District Collector, Tiruvallur District, and Revenue Divisional Officer, Gummidipoondi, Thasildhar Gummidipoondi, panchayat President, and the Public. He requested the project Proponent to explain the salient features of the Project and also requested the public to offer their views after the presentation.

Proponent / Consultant explained about the proposed project as follows.

The unit has proposed to expand the existing Sponge Iron Plant within the premises of the existing facility. The total land area existing at present is 38.29 Acres. No additional land is being procured for this. The expansion consists of increasing the Sponge Iron Plant Capacity from 6000 TPM to 12000 TPM by installing additionally 2- Kilns. The proposal also consists of installing a WHRB to make use of waste flue gas of Kilns to generate 10 MW Power, and also install FBC to make use of dolachar along with imported coal to produce 12 MW Power. The power will be captively used in 3 x 20 TPH Electric Induction Furnace / Rolling Mill to produce 12000 TPM TMT bars.

The proponent explained in detail the various control measures and impact mitigation. The Co-generation plant will make use of the waste heat / Dolochar from Sponge Iron plant to generate 22 MW of power, thus result in better utilization of waste. Further, this power generated will be used to produce billets by melting of Sponge / Scrap in the electric induction furnace. The

furnace is proposed to be provided with appropriate Extraction / Cyclone / Bag filter for control of emissions and the green belt around the plant will abate any impact and will result in better utilization of existing facility. After the presentation, the public were invited to offer their views.

Mr. Tulsiram, a public from Pappankuppam Village.

He welcomed the project. He requested the project proponent to inform about water consumption, source of water, employment generation, community development activities, and ash disposal area & chimney size and also clarify about rain water harvesting. He informed that the People come to Gummidipoondi because availability of ground water. Further he stated that we want Industries at the same time the near by Industrial area not affected by Industrial activities.

Reply – Proponent.

The water will be sourced from ground and will be to the tune of 254 cu.m/day. Air cooled condensers are used for cooling water in power plant. Cooling water is a closed loop recirculating system, only makeup water is required. A separate ground water clearance will be obtained for this. Fly ash will be entirely sold to cement companies. Only bottom ash will be stored for which 1-Acre is earmarked. However, beneficial applications for bottom ash will also be explored. The local people here know the community activities being undertaken. Employment will increase by 95 Nos. about 30% of this have been earmarked for local people.

Mr. Giridhar, a public from Gummidipoondi.

We are only bothered about the implementation of assurance given. All the assurances are given by proponent during meeting. TNPCB has to ensure compliance. TNPCB has to do regular monitoring. TNPCB had assured implementation of continuous online monitoring, this is yet to happen.

In reply to this the District Environmental engineer TNPCB as stated that the Air quality of Gummidipoondi Industrial Estate is under study by having the Ambient Air Quality survey in 24 locations on continuous basis source to identify the correct location for installing on line monitoring system. Based on the previous representation on the public an recommendation made by senior collector to TNPCB principle discussion has been arrived to install the on line monitoring system in Gummidipoondi area.

Mr. Bharat Kumar, President, Kumaranaikepet Village.

Egavarpalayam Village is a dry place. Only after this Industry came there has been some activity in this area. The Industry is functioning smoothly, and we have had no problems. They have helped our schools and not only that they have been with us like a family.

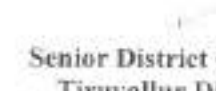
Mr. Sridhar, Ex-President, Eguvarpalyam.

We were afraid to go in this road after 7.00 P.M before. Only after this Industry came, we have been able to cross this road even at night 10.00 P.M. His father (Director's) is a nice man. We wanted some activity in this area, and so informed TNPCB about his land available. Then this Industry came. Director's father is so much interested in local social activity and he very much concerned on environment by not commissioning the kiln activity without the ESP (Electro static precipitator). We also indicate that there is huge extend of dry land available in the near by area to develop the Industries activities.

The senior District Collector: He has advised the proprietor of the Industry to give employment priority to the local people in addition to the existing employment. He requested the public to welcome the project as it will help the State in meeting the ever increasing demand for additional power. The project will induce local development. And also he said that the unit shall adopt latest technologies to minimize the pollution level and the unit shall follow all pollution control norms to protect the environment.

The meeting came to the end with vote of thanks by the Thasildhar, Gummidipoondi.


District Environmental Engineer
TamilNadu Pollution Control Board
Tiruvallur District


Senior District Collector
Tiruvallur District
2/2

ANNEXURE - XIV

CTE consent orders

&

CTO consent orders

Category of the Industry :

RED



CONSENT ORDER NO. 2508264834128 DATED: 20/03/2025.

PROCEEDINGS NO.T5/TNPCB/F.0080GMP/RL/GMP/A/2025 DATED: 20/03/2025

SUB: Tamil Nadu Pollution Control Board - RENEWAL OF CONSENT –M/s. AKSHARA INDUSTRIES PVT LIMITED , S.F.No. 225/1C1,225/1C2, EGUVARPALAYAM village, Gummidipoondi Taluk and Tiruvallur District - Renewal of Consent for the operation of the plant and discharge of emissions under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) –Issued- Reg. (Industry User ID- R15TLR209603)

- REF:** 1. Proceedings No. T2/TNPCB/F.0080GMP/RL/GMP/W&A/2022, dated 21.03.2022
2. Unit’s Renewal Appln. No. 64834128, dated 17.02.2025
3. DEE/ GMP, IR No. F.0080GMP/RL/DEE/GMP/2025, dated 25.02.2025

RENEWAL OF CONSENT is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as “The Act”) and the rules and orders made there under to

The Director
M/s . AKSHARA INDUSTRIES PVT LIMITED
S.F No. 225/1C1,225/1C2
EGUVARPALAYAM Village
Gummidipoondi Taluk
Tiruvallur District.

Authorizing the occupier to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of emission from the stacks/chimneys.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This RENEWAL OF CONSENT is valid for the period ending **March 31, 2030**

J JOSEPHINE SAHAYA RANI

Digitally signed by J JOSEPHINE SAHAYA RANI
DN: c=IN, o=TAMIL NADU POLLUTION CONTROL BOARD, ou=CHENNAI,
2.5.4.20=8c742526c13363c074eeed56ad638bc9c9ba8d5fec383d9836c541ea5d5ba3e4, postalCode=600032,
st=Tamil Nadu, serialNumber=70B7182466DFF132E13AC48EE36E80B778EF45B1FDBB878408A0EB7A1CB3E459,
cn=J JOSEPHINE SAHAYA RANI
Date: 2025.03.23 12:20:03 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

SPECIAL CONDITIONS

1. This renewal of consent is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	sponge Iron	6000	T/M
By-Product Details			
1.	Dolochar	1200	T/M

2. This renewal of consent is valid for operating the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained.

I	Point source emission with stack :			
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm3/hr
1	Kiln I & II	Each kiln having Dust Settling Chamber, After Burner Chamber, Gas cooler,ESP with common stack	37.0	
2	Raw Material handling	Bag Filters with stack	15.0	
3	Cooler discharge	Bag Filters with stack	15.0	
4	Product house	Bag Filters with stack	15.0	
5	ESP Fines storage silo	Bag Filters with stack	15.0	
6	750 KVA DG Set	Acoustic enclosures with stack	6.0	
7	250 KVA DG set	Acoustic enclosures with stack	6	
8	Coal Storage	Bag Filters with stack	15.0	
II	Fugitive/Noise emission :			
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	Raw Material Handling	Fugitive	Bag Filter	
2.	Stock House	Fugitive	Bag Filter	
3.	Cooler Discharge	Fugitive	Bag Filter	
4.	Intermediate Bin	Fugitive	Bag Filter	
5.	product House	Fugitive	Bag Filter	

Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize “Mission LiFE” logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt “Mission LiFE” action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. The unit shall carryout production of Sponge Iron of 6000 T/M & Dolochar of 1200 T/M only, within the quantity as permitted in the consent order.
2. The unit shall comply with Guidelines/Code of Practice for pollution prevention for Sponge Iron Plants issued by MOEF Notification dated 30.05.2008.
3. The unit shall comply with Emission Standards & Fugitive Emission standards prescribed for sponge iron plant as notified by MOEF dated 30.05.2008.
4. The unit shall improve, operate and maintain APC measures provided for Kiln, raw material handling, coal & iron ore storage, cooler discharge, product house etc effectively and continuously so as to comply with emission standards prescribed for at all times.
5. The unit shall maintain the online emission monitoring system installed in the kiln stack attached to ESP properly for ensuring connectivity with CAC, TNPCB at all times without any interruption for transmission of accurate & reliable emission data for parameters PM10, NOx and SO2.
6. The unit shall provide adequate continuous AAQ monitoring stations within the premises at raw material handling area, crusher area, raw material feed area, cooler discharge area and on down-wind direction considering the wind rose pattern that exists in a different season and make connectivity of the emission data to CAC, TNPCB for continuous monitoring of emission parameter – Particulate Matter.
7. The unit shall calibrate the analysers of online continuous emission monitoring system periodically for ensuring display of accurate and reliable emission data at all times.
8. Any problem in uploading the emission data to the Care Air Centre, TNPCB shall be brought to the notice of the TNPCB immediately.
9. The unit shall conduct AAQ/SM/ANL through TNPC Board Lab every year and furnish report to the Board regularly.
10. The unit shall continue to develop green belt with native species in an extent area of 33% of the total area of the premises. Extensive plantation/green belt shall be developed along the internal roads and boundary line of the premises. A minimum of 15 m width green belt shall be maintained.
11. Adequate safety equipment and personal protective gadgets shall be provided to the workers working in the kiln & process area.
12. The unit shall provide interlocking system in such a way that whenever the pollution control system fails, the feed of raw material is cut off automatically and the emissions are controlled.
13. In case of revision of consent fee by the Government, the unit shall remit the difference in amount within one month from the date of notification. Failing to remit the consent fee, this consent order will be withdrawn without any notice and further action will be initiated against the unit as per law.

J JOSEPHINE SAHAYA RANI

Digitally signed by J JOSEPHINE SAHAYA RANI
DN: c=IN, o=TAMIL NADU POLLUTION CONTROL BOARD, ou=CHENNAI,
2.5.4.20=8c742526c13363c074eee656ad638bc9c9ba8c6fec382d9836c541ea5d5ba3e4, postalCode=600032,
st=Tamil Nadu, serialNumber=7067182466OFF132E13AC48EE36E80B778EF45B1FDBB878408A0EB7A1CB3E459,
cn=J JOSEPHINE SAHAYA RANI
Date: 2025.03.23 12:20:43 +05'30'

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

To
The Director,
M/s.AKSHARA INDUSTRIES PVT LIMITED,
183/1, 2nd floor,
sydenhams road,
Apparao garden ,
Choolai,
Chennai
Pin: 600112

- Copy to:**
- 1.The Commissioner, GUMMUDIPOONDI-Panchayat Union, Gummidipoondi Taluk, Tiruvallur District .
 - 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, GUMMIDIPOONDI.
 - 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
 - 4. File
-

Category of the Industry :

RED



CONSENT ORDER NO. 2508164834128 DATED: 20/03/2025.

PROCEEDINGS NO.T5/TNPCB/F.0080GMP/RL/GMP/W/2025 DATED: 20/03/2025

SUB: Tamil Nadu Pollution Control Board - RENEWAL OF CONSENT – M/s. AKSHARA INDUSTRIES PVT LIMITED , S.F.No. 225/1C1,225/1C2, EGUVARPALAYAM village, Gummidipoondi Taluk and Tiruvallur District - Renewal of Consent for the operation of the plant and discharge of sewage and/or trade effluent under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) – Issued- Reg. (Industry User ID- R15TLR209603)

- REF:** 1. Proceedings No. T2/TNPCB/F.0080GMP/RL/GMP/W&A/2022, dated 21.03.2022
2. Unit’s Renewal Appln. No. 64834128, dated 17.02.2025
3. DEE/ GMP, IR No. F.0080GMP/RL/DEE/GMP/2025, dated 25.02.2025

RENEWAL OF CONSENT is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act, 6 of 1974) (hereinafter referred to as “The Act”) and the rules and orders made there under to

The Director
M/s . AKSHARA INDUSTRIES PVT LIMITED
S.F No. 225/1C1,225/1C2
EGUVARPALAYAM Village
Gummidipoondi Taluk
Tiruvallur District.

Authorising the occupier to make discharge of sewage and /or trade effluent.
This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This RENEWAL OF CONSENT is valid for the period ending **March 31, 2030**

J JOSEPHINE SAHAYA RANI

Digitally signed by J JOSEPHINE SAHAYA RANI
DN: c=IN, o=TAMIL NADU POLLUTION CONTROL BOARD, ou=CHENNAI,
2.5.4.20=8c742526c13363c074ee056ad538bc9c9ba8c0fec382a9836c541ea5d5ba3e4, postalCode=600032, st=Tamil Nadu,
serialNumber=70B71824660FF132E15AC48EE3E8B8778F45E1FCBB8740A8A0B1A1CB36459, cn=J JOSEPHINE SAHAYA RANI
Date: 2025.03.23 12:22:39 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

SPECIAL CONDITIONS

1. This renewal of consent is valid for operating the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	sponge Iron	6000	T/M
By-Product Details			
1.	Dolochar	1200	T/M

2. This renewal of consent is valid for operating the facility with the below mentioned outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	Sewage	2.0	On Industrys own land
Effluent Type : Trade Effluent - NIL			

Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize “Mission LiFE” logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt “Mission LiFE” action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. The unit shall carryout production of Sponge Iron of 6000 T/M & Dolochar of 1200 T/M only, within the quantity as permitted in the consent order.
2. The unit shall comply with Guidelines/Code of Practice for pollution prevention for Sponge Iron Plants issued by MOEF Notification dated 30.05.2008.
3. The unit shall treat the sewage in septic tank and dispose through dispersion trench.
4. The unit shall ensure that no trade effluent is generated from the manufacturing process under any circumstance.
5. The unit shall collect and store the solid wastes such as char, flue dust, fly ash etc properly and dispose the same for further beneficial use then and there without any accumulation within the premises. Records shall be maintained for generation & disposal and the same shall be available for verification by inspecting officials.
6. The unit shall ensure timely collection and removal of the flue gas dust from APC measures using mechanical operated system.
7. The unit shall collect and store the solid wastes such as char, flue dust, fly ash etc properly and dispose the same for further beneficial use then and there without any accumulation within the premises. Records shall be maintained for generation & disposal and the same shall be available for verification by inspecting officials.
8. The unit shall comply with the provisions of the Hazardous and Other Wastes (Management & Tranboundry Movement) Rules, 2016 as amended from time to time while handling of hazardous waste.
9. The unit shall maintain the storm water/garland drain provided within & along the boundary of the premises properly without any obstruction of free flow.
10. The unit shall not use single use plastics such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead, the unit shall encourage use of eco-friendly alternative such as banana leaf, areca nut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, jute bag etc.
11. In case of revision of consent fee by the Government, the unit shall remit the difference in amount within one month from the date of notification. Failing to remit the consent fee, this consent order will be withdrawn without any notice and further action will be initiated against the unit as per law.

J JOSEPHINE SAHAYA RANI

Digitally signed by J JOSEPHINE SAHAYA RANI
DN: c=IN, o=TAMIL NADU POLLUTION CONTROL BOARD, ou=CHENNAI,
2.5.4.20=8c742526c13363c074eee656ad638bc9c9ba8c6fec382d9836c541ea5d5ba3e4,
postalCode=600032, st=Tamil Nadu,
serialNumber=70B7182466DFF132E13AC48EE36E80B778EF45B1FDBBB78408A0EB7A1CB3E459, cn=J
JOSEPHINE SAHAYA RANI
Date: 2025.03.23 12:23:08 +05'30'

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

To
The Director,
M/s.AKSHARA INDUSTRIES PVT LIMITED,
183/1, 2nd floor,
sydenhams road,
Apparao garden ,
Choolai,
Chennai
Pin: 600112

Copy to:

- 1.The Commissioner, GUMMUDIPOONDI-Panchayat Union, Gummidipoondi Taluk, Tiruvallur District .
- 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, GUMMIDIPOONDI.
- 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
- 4. File

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TAMIL NADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. : 2734

DATED : 18/07/2004

Proceedings No. : T2/TNPCB/F.NO.3536/TVLR/RL/A/04

DATED : 18/07/2004

Consent for Establishment under Section 21 of the AIR (Prevention and control of Pollution) Act, 1981,
as amended in 1987.

Sub : TNPC Board - Consent for establishment
MESSRS AKSHARA INDUSTRIES LIMITED,
R.S.NO.225/1C1, 225/1C2,
EGUVARIPALAYAM VILLAGE,
GUNNIDIPONDY TALUK,
THIRUVALLUR DISTRICT.

for the establishment or take steps to establish the industry under Section 21 of
the AIR (Prevention and Control of Pollution) Act, 1981 as amended in 1987

Ref : 1.YOUR APPLICATION NO.10512 DATED 6.5.2004
2.IR NO.JCEE/TNPCB/TLR/RL-159/2004 DATED 31.5.2004

BOARD RESOLUTION NO :

DATED : / /

Consent to establish or take steps to establish is hereby granted under Section 21 of the
AIR (Prevention and Control of Pollution) Act, 1981 as amended in 1987 and the Rules and Orders
made there under to
THE DIRECTOR,
M/S.AKSHARA INDUSTRIES LIMITED,

(hereinafter referred to as 'The Applicant') authorising him/her/then to establish or take
steps to establish the industry in the site mentioned below;
R.S.NO.225/1C1, 225/1C2,
EGUVARIPALAYAM VILLAGE,
GUNNIDIPONDY TALUK,
THIRUVALLUR DISTRICT.

This Consent to establish is valid for TWO years, or till the Industry obtains
consent to operate under Section 21 of the AIR (Prevention and Control of Pollution) Act, 1981
as amended in 1987 whichever is earlier.

S. Subramanian
22/7/04
For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

ON CONTROL BOARD

- 2 -

✓
THE DIRECTOR,
M/S. AKSHARA INDUSTRIES LIMITED,
NO. 5, (OLD NO. 145), AL BLOCK,
2ND STREET, 11TH MAIN ROAD,
ANNA NAGAR,
CHENNAI - 600 040.

Copy to : The District Environmental Engineer, Tamil Nadu Pollution Control Board

For information and necessary action.

Copy to : The Joint Chief Environmental Engineer, TNPCB,

THIRUVALLUR

Copy to : The Commissioner / Executive Officer,
GUMMIDIPOONDI PANCHAYAT UNION, THIRUVALLUR DISTRICT.

Spare :

ON CONTROL BOARD

- 4 -

3. The Unit shall install the following Air Pollution Control equipments / measures for the control of emissions generated from the various sources of the plant.

A. For suspended particulate emission

SL.NO.	SOURCE	DETAILS OF CONTROL OF EQUIPMENT
1. KILNS (2 NOS.)		DUST SETTLING CHAMBER, AFTER BURNER CHAMBER, GAS CONDITIONING TOWER, ESP
2. RAW MATERIAL HANDLING		BAG FILTER
3. COOLER DISCHARGE		BAG FILTER
4. COAL STORAGE		BAG FILTER
5. PRODUCT HOUSE		BAG FILTER
6. ESP FINES STORAGE SILO		BAG FILTER

B. For Gaseous Emission :

SL.NO.	SOURCE	DETAILS OF CONTROL OF EQUIPMENT
1. DIESEL GENERATOR SET		STACK
2. KILNS (2 NOS.)		STACK
3. RAW MATERIAL HANDLING		STACK
4. COOLER DISCHARGE		STACK
5. COAL STORAGE		STACK
6. PRODUCT HOUSE		STACK
7. ESP FINES STORAGE SILO		STACK

- 3 -

SPECIAL CONDITIONS

1. Details of the products manufactured

SL.NO.	DESCRIPTION	QUANTITY/MONTH
(1)	(2)	(3)

1. SPONGE IRON

6000 T

BY PRODUCT: 1. DOLOCHAR

1200 T

This consent is to establish is valid for the manufacture of Products and the rate of production mentioned above. Any change in the quantity or quality of the products has to be brought to the notice of the Board.

2. The height of following chimneys/stacks shall not be less than the figures indicated below for the discharge of emissions.

Chimney/Stack Number	Description of Chimney / Stack	Point of discharge in Metre (Above ground level)
1.	ATTACHED TO KILN (2 NOS.)	37
2.	ATTACHED TO RAW MATERIAL HANDLING	15
3.	ATTACHED TO COOLER DISCHARGE	15
4.	ATTACHED TO COAL STORAGE	15
5.	ATTACHED TO PRODUCT HOUSE	15
6.	ATTACHED TO ESP FINES STORAGE SILO	15
7.	ATTACHED TO DIESEL GENERATOR SET (750 KVA)	6

- 5 -

C. For Fugitive Emissions :

SL.NO.	SOURCE	DETAILS OF CONTROL
1. INLET & OUTLET OF KILN		MECHANICAL SEAL ARRANGEMENTS AND COOLER
2. BELT CONVEYOR		CLOSED COVERAGE

4. The unit shall procure 4 Number of equipments for Continuous monitoring of Ambient Air Quality in respect of the parameters SPM, SO_2, NO_x
5. The unit shall procure _____ Number of equipments for carrying out stacks monitoring for the SPM, SO_2, NO_x Parameters and keep ready.
6. The unit shall provide on line / automatic continuous stack monitoring unit for the stacks mentioned below :

SL.NO.	SOURCE	STACK	PARAMETERS
1. KILN (2 NOS.)		STACK	SPM, SO_2, NO_x
2. RAW MATERIAL HANDLING		STACK	SPM, SO_2, NO_x
3. COOLER DISCHARGE		STACK	SPM, SO_2, NO_x
4. COOLER STORAGE		STACK	SPM, SO_2, NO_x
5. COAL STORAGE		STACK	SPM, SO_2, NO_x
6. PRODUCT HOUSE		STACK	SPM, SO_2, NO_x
7. ESP FINES STORAGE SILO		STACK	SPM, SO_2, NO_x

ON CONTROL BOARD

- 6 -

7. The Unit shall provide sensors connected with the Alaran System for the following locations in the plant.

Sl. No.	Location of the Sensor	No. of Sensor	Parameters
---------	------------------------	---------------	------------

8. The Unit shall provide port holes and sampling facilities for the following stacks as per the Central Pollution Control Board guidelines.

SL.NO.	SOURCE	STACK
--------	--------	-------

1. KILN (2 NOS.)
2. RAW MATERIAL HANDLING
3. COOLER DISCHARGE
4. COAL STORAGE
5. PRODUCT HOUSE
6. ESP FINES STORAGE SILO
7. DIESEL GENERATOR SET

- 7 -

9. The unit shall provide sufficient acoustic measures for the following equipment.

SL.NO.	SOURCE	TYPE OF MEASURES
--------	--------	------------------

10. The unit shall install separate energy meter for the operation of the following Air Pollution Control equipments.

SL.NO.	SOURCE	AIR POLLUTION CONTROL MEASURES
--------	--------	-----------------------------------

(Continued in Annexure-I)

S. Lalitha
23/7/04
For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

ON CONTROL BOARD

- 8 -

GENERAL CONDITIONS

1. The above consent to establish cannot be construed as consent to operate.
2. The applicant shall make a request for grant of consent to operate atleast sixty days, before the commissioning of trial production.
3. The unit shall carryout Ambient Air Quality Survey atleast for 4 stations for AMV seasons for the collection of baseline data, on the existing Ambient Air Quality level within the plant / outside the plant.
4. The applicant shall provide a meteorological station to collect the data on wind velocity, direction, temperature, rainfall etc.
5. The applicant shall prepare and submit a detailed Risk Assessment Report alongwith on site and of-site Emergency preparedness plan for within the premises of the plant as required under the Rules 13 and 14 of the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1939.
6. The unit shall install ~~KVA~~ Capacity generator exclusively for the operation of Air Pollution Control measures in case of power failure.
7. The unit shall also establish laboratory for analysis of gaseous / particulate emissions.
8. Any change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
9. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings / other living creatures/plants and properties while handling and storage of hazardous substances.
10. Consent to operate will not be issued unless the unit complied with the conditions of consent to establish, otherwise the order of consent to establish already issued will be revoked with immediate effect.

S. M. Subash

For MEMBER SECRETARY

TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

TAMIL NADU POLLUTION CONTROL BOARD

CONSENT ORDER ESTABLISHMENT AIR NO.2734

ANNEXURE-I

SPECIAL CONDITIONS

11. The unit shall provide ESP for the dust emission from the kiln along with gas conditioning tower and scrubbing system with mist elimination after ESP.
12. The unit shall provide dust collection system with ESP or bag filter for the dust arising from screening and cooler discharge points.
13. The unit shall provide proper suction arrangement with adequate dust collection system for the dust arising from the product storage bin conveyor transfer points, screen magnetic separator etc. to achieve the Ambient Air Quality/emission standards prescribed by the Board.
14. The unit shall ensure that the level of SPM in the chimneys attached to the kiln is below 50 mg/Nm³.
15. The unit shall provide continuous recording type monitor with computerised graphical representative system to monitor the emissions of SPM, SO_x, NO_x from all stacks and the data thereon shall be furnished periodically.
16. The belt conveyor should be of closed pipe conveyance system with closed coverage so as to arrest the fugitive emission during the movement of belt conveyor.
17. The mechanical seal arrangements shall be provided both at the inlet and outlet of the kiln and cooler to arrest the fugitive emissions completely.
18. The unit shall lay tar / cement road inside the premises to avoid emission due to movement of lorries handling ore transport and others.
19. The unit shall instal waste Recovery boiler and generate power for its captive use in order to conserve energy.

Note :- Special conditions No.7,9,10 and General conditions No.5,7 are not applicable.


for MEMBER SECRETARY,
TNPC BD., CHENNAI-32.

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Acknowledgement Due
(This document contains __ Pages)

TAMILNADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. : 2786

DATED : 18/07/2004

Proceedings No. : T2/TMPCB/F.NO.3536/TLR/RL/U/04

DATED : 18/07/2004

Consent For Establishment under Section 25 of the WATER (Prevention and control of Pollution) Act, 1974, as amended in 1988.

Sub : TMPC Board - Consent For establishment
MESSRS AKSHARA INDUSTRIES LIMITED,
R.S.NO.225/1C1, 225/1C2,
EGUVARIPALAYAM VILLAGE,
GUMMIDIPOONDI TALUK,
THIRUVALLUR DISTRICT.

for the establishment or take steps to establish the industry under Section 25 of the WATER (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 53 of 1988).

Ref : 1.YOUR APPLICATION NO.61936 DATED 6.5.2004
2.IR NO.JKEE/TMPCB/TLR/RL-159/2004 DATED 31.5.2004

Board Resolution No :

DATED : / /

Consent to establish or take steps to establish is hereby granted under Section 25 of the WATER (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 53 of 1988) (hereinafter referred to as 'The Act') and the Rules and Orders made there under to THE DIRECTOR,

M/S.AKSHARA INDUSTRIES LIMITED,

(hereinafter referred to as 'The Applicant') authorising him/her/then to establish or take steps to establish the industry in the site mentioned below:

R.S.NO.225/1C1, 225/1C2,

EGUVARIPALAYAM VILLAGE,

GUMMIDIPOONDI TALUK,

THIRUVALLUR DISTRICT.

This Consent to establish is valid for TWO years, or till the Industry obtains consent to operate under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 whichever is earlier.

S. Subash
22/7/04

For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

N CONTROL BOARD

- 2 -

To

THE DIRECTOR,
M/S.AKSHARA INDUSTRIES LIMITED,
NO.5,(OLD NO.145), AL BLOCK,
2ND STREET, 11TH MAIN ROAD,
ANNA NAGAR,
CHENNAI - 600 040.

Copy to : The District Environmental Engineer, Tamil Nadu Pollution Control Board

For information and necessary action.

Copy to : The Joint Chief Environmental Engineer, TNPCB,

THIRUVALLUR

Copy to : The Commissioner / Executive Officer,

GURRIDIPOONDI PANCHAYAT UNION, THIRUVALLUR DISTRICT.

Spare :

- 3 -

SPECIAL CONDITIONS

1. Details of the products manufactured

SL.NO.	DESCRIPTION	QUANTITY/MONTH
(1)	(2)	(3)
1.	SPONGE IRON	6000 T
	BY PRODUCT: 1.DOLOCHAR	1200 T

This consent to establish is valid for the manufacture of products and the rate of production mentioned above. Any change in rate of and the quantity or quality of the products has to be brought to the notice of the Board.

2. The unit shall install Effluent Treatment Plant as proposed, to ensure that the effluents to be discharged shall satisfy the standards prescribed by the Board for disposal of effluents into inland surface waters/public sewers/marine coastal areas/on land for irrigation, as indicated in the Annexure-I.

3. The unit shall install sewage treatment systems for the treatment of waste water arising out of the sanitary facility and waste water generated from canteen as proposed in the Annexure-I.

4. The unit shall construct effluent drains/cable drains/storm water drains separately and provide different colour, sign boards along with alignment of various drains as indicated in the site plan, furnished by the industry.

5. Each vessel/reactor should have its own catch pit for the collection of spills and each pump in the process section must be mounted on its own catch pit with the suction line of the pump connected to pit to empty it periodically/regularly/continuously.

CONTROL BOARD

- 4 -

6. It has to be ensured by the unit that the Floors with the expanded metal, slotted angle stool sinks, steel grates shall be built to the maximum possible to avoid floor washings.

7. If the plant layout demands that the vessels should be installed in upper floor, it shall provide suitable system to minimise spill/leakages and also to collect and drain the spillages into effluent drain leading to the Effluent Treatment Plant by providing suitable gradient to the properly lined bottom floor.

8. The unit shall construct tank or lagoon of adequate capacity with compatible impervious material for the storage of hazardous/solid wastes.

9. The unit shall ensure that the corrosion prone areas and construction material liable to atmospheric and process induced corrosion shall be given special attention for immediate replacement with least preventive maintenance.

10. The unit has to provide facilities separately outside the main production plant for carrying out detoxification operations if any.

11. In order to collect spills from a particular vessel before the spilled materials get a chance for contamination with spills from another vessel, the two vessels must be installed at sufficient distance to ensure that intercontamination cannot take place.

12. Flange joints in the pipelines should be avoided wherever possible.

13. The unit shall establish laboratory with adequate analytical equipments for analysing the trade effluent/sewage as well as samples of water collected from the wells nearby if any.

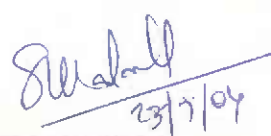
14. The unit shall construct compound wall around the boundary of the unit, to a height of
metres from ground level.

15. The unit shall appoint an Environmental Engineer with experience of minimum three years in maintenance of waste water treatment plants, before commissioning, along with supporting staff, chemist, technician and operators.

16. Following location specific conditions must be satisfied :

17. The following process specific conditions must be satisfied :

(Continued in Annexure-I)


23/7/04
For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

N CONTROL BOARD

-6-

GENERAL CONDITIONS

1. The above consent to establish cannot be construed as consent to operate.
2. The industry shall make a request for grant of consent to operate atleast sixty days before the commissioning of trial production.
3. The applicant shall maintain good house keeping both within the factory and in the premises. All pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted in to the effluent collection system only and shall not be allowed to find their way to storm water drains or pen areas.
4. The unit has to provide sludge and silt traps and manholes along the effluent drains for periodical desiting and desludging operation.
5. All places of storage of solid/liquid material are to be dyked with bunding facilities and the flooring within the dyked and bunding area shall be lined with impervious materials depending upon the nature of the solid/liquid to be stored.
6. As the unit proposes to utilise the treated trade effluent on inland for irrigation, the land has to be made fit for irrigation in consultation with the agricultural scientist to avoid more percolation
7. Samples of water from the wells or any other nearby water sources have to be taken by the unit and get then analysed by the Board Laboratory to develop base line data to assess the existing water quality.
8. The unit shall provide separate power connection for the Effluent Treatment Plant and install separate energy meter for the Effluent Treatment Plant as well as for aerators if any.
9. The unit shall provide an alternate power source sufficient to operate all the facilities to be installed in Effluent Treatment Plant by the applicant.
10. The consent does not authorise or approve the construction of any physical structures or facilities, or the undertaking of any work in any natural water course.
11. Any change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
12. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
13. Consent to operate will not be issued unless the unit complied with the conditions of consent to establish, otherwise, the order of consent to establish already issued will be revoked with immediate effect.

S. Mahalingam
22/7/04

For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI.

TAMIL NADU POLLUTION CONTROL BOARD

CONSENT ORDER ESTABLISHMENT WATER NO.2786

ANNEXURE-II

SPECIAL CONDITIONS

The unit shall provide septic tank followed by dispersion trench for treatment and disposal of sewage as proposed.

The unit shall not discharge trade effluent generated from scrubber, cooling tower under any circumstances.

The unit shall recycle the water used for scrubbing under closed circuit system after proper treatment for achieving zero discharge of trade effluent.

The cooling water of the cooler will be under closed circuit system after recycling of it.

The unit shall take effective steps by providing suitable control system to arrest the fugitive emission arising from ore/coal/line stone unloading, stacking and handling operations. The raw materials shall be stored only in shed so as to avoid fugitive emission due to wind action.

The unit shall provide proper suction arrangements with bag filter of adequate capacity for the dust arising from the raw materials, dumping hopper, conveyor transfer points, coal pulveriser, storage bins, crushers, weigh feeders feeding hopper and respective discharge points. At the end of the return belt the wire brush moving collection pit shall be provided to collect the dust adhering to the return belt.

The unit shall provide dust settling chamber to collect the dust from off gases of the kiln and after burner for complete burning of the inert fuel if any.

The dust collected in the dust settling chamber, ESP of the kiln and cooler shall be disposed off with the concurrence of the TNPCB then and there without accumulation.

Special conditions No.2,4,5,7,9,10,11,13,15,16 and General conditions No.4,6,7,8,9 are not applicable.


23/7/07
for MEMBER SECRETARY,
TNPC BD., CHENNAI-32.

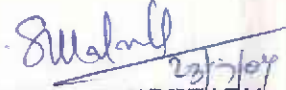
TAMIL NADU POLLUTION CONTROL BOARD

CONSENT ORDER ESTABLISHMENT WATER NO.2786
=====

ANNEXURE-I
=====

SEWAGE

Sl.No.	Description of the unit	Dimension in 'm'
01.	Septic tank	Adequate size
02.	Soak pit	


for MEMBER SECRETARY,
TNPC BD., CHENNAI-32.

ANNEXURE - XV

**ROA Test report done by TNPCB for AAQ,
Stack Emission & Noise level**



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Ambattur.

From

Dr. K.Sarumathy M.Sc., M.Phil., P.hD,
Deputy Chief Scientific Officer,
District Environmental Laboratory,
No.77-A South Avenue Road,
Ambattur Industrial Estate, Ambattur,
Chennai 600 058.

To

M/S. Akshara Industries Ltd.
No.9 Eguvarpalayam Village
Gummidipoondi
Thiruvallur District
Pin code-601 201

Lr.No.TNPCB/ ROA No.25/2025 - 26/DEL/AMB/AAQS/SM

Dated: 23.06.2025

Sir,

Sub: Furnishing of Report of Analysis of Ambient Air Quality/Stack Monitoring / Ambient Noise Level Survey-regarding.

Ref: 1. G.O.(2D) No. 76 & 77
(Revised Rate From 21.09.2024)
2.This Office.Lr.No.25/2025-26
3.Cash Receipt No.88
Rs. 1,77,520
4. Your ltr. No.25

dated:31.09.2024

Dated : 27.05.2025

Dated : 05.06.2025

Dated : 27.05.2025

I am sending herewith the Report of Analysis of Ambient Air Quality /Stack Monitoring/Ambient Noise level.Survey conducted in the vicinity of your Industry on 17.06.2025 with an invoice for a sum of Rs.1,77,520.00/- (Rupees One lakh Seventy Seven Thousand Five Hundred and Twenty Only towards the above survey/analysis charges, and same has been adjusted with the advance fee received vide reference cited.

Kindly acknowledge the receipt of the report without fail.

X. Sankar
23/6/25
Deputy Chief Scientific Officer,
DEL, Ambattur

Encl: As above

Copy to:

1. The District Environmental Engineer, TNPCB, Gummidipoondi
2. File

TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Ambattur.

Ambient Air Quality Survey - Report of Analysis

ROA No. 25/AAQS/2025 - 26

Dated: 23.06.2025

1. Name of the Industry : M/s. Akshara Industries Ltd.
2. Address of the Industry : No.9 Eguvarpalayam Village
Gummidipoondi
Thiruvallur District
Pin code-601 201
3. Date of survey : 17.06.2025
4. Duration of Survey : Eight hours
5. Category : RL
6. Land use classification : Industrial

Consent No: 2508264834128

Dated: 20.03.2025

Validity Upto : March 31st 2030

Ambient Temperature (°C)	Min	Max	Relative Humidity (%)	Min	Max
	30.0	34.0		58	62
Weather Condition	Clear Sky		Rain Fall (mm)	Nil	
Predominant Wind Condition	South East To North West		Mean Wind Speed (Km/hr)	14 Km/Hr	

Ambient Air Quality Survey Results

Sl. No	Location	*Direction	Distance (m)*	Height from GL (m)	Pollutants Concentrations (µg/m ³)			
					PM ₁₀	PM _{2.5}	SO ₂	NO ₂
1	On Top of Scaffolding Near Dualine water G.R.kandigai	NE	800	2.0	50.0	--	15.3	17.8
2	On Top of Scaffolding Near paradaman house perumal kovil street G.R.Kandigai	E	400	2.0	70.6	32.8	16.2	18.8
3	On Top of Scaffolding Near Ramesh house, Eguvarpalayam	SE	500	2.0	68.3	--	15.7	18.3
5	On Top of Scaffolding Near sridhar raju house	NW	700	2.0	64.2	30.2	14.8	17.3
6	On Top of Scaffolding near weigh bridge	NNW	60	2.0	80.0	--	17.2	20.0

Note:- * With respect to major emission sources.

The analytical results are restricted to the sampling period of 8 Hrs/24Hrs.

Test performed	Test Method
PM ₁₀	IS 5182: (Part 23) - 2006
SO ₂	Modified West-Graeke /IS 5182: (Part2)-2001 RA:2012
NO ₂	Jacobs-Hochheise /IS 5182: (Part6)-2006 RA:2012

N. Suresh
23/6/25
Deputy Chief Scientific Officer,
DEL, Ambattur



District Environmental Laboratory, Ambattur.
Stack Monitoring Survey - Report of Analysis

ROA No. 25/AAQS/2025 - 26

Dated: 23.06.2025

1. Name of the Industry : M/S. Akshara Industries Ltd.
2. Address of the Industry : No.9 Eguvarpalayam Village
Gummidipoondi
Thiruvallur District
Pin code-601 201
3. Date of survey : 17.06.2025
4. Type of the Industry : Industrial

Stack Monitoring Survey Results

Sl.No	Stack attached to	Stack Temp in K	Velocity in (M/sec)	Discharge Rate in (Nm ³ /hr)	Pollutants (mg/Nm ³)		
					PM	SO ₂	NO ₂
1	Rotary klin I & II - 100PTH 2 Nos Fuel:- coal APC Measure:- ESP	436	14.1	108938	51.6	224	145.8
2	DG Set - 500kva Fuel:- HSD APC Measure:- Acoustics	453	18.6	5532	40.7	32	52.2
3	DG Set - 725KVA Fuel:- HSD APC Measure:- Acoustics	458	17.9	5266	35.8	37.3	70.2
4	dust collector no 3 - cooler discharge Fuel:- - APC Measure:- Bag filters	324	12.6	8188	20.4	-	-
5	dust collector no 2 - stock house APC Measure:- Bag filters	323	12.1	7886	26.4	-	-
6	dust collector no 5 - intermediate burner APC Measure:- Bag filters	328	12.2	7831	24.3	-	-

Test performed	Test Method
PM ₁₀	IS 5182: (Part 23) - 2006
SO ₂	Modified West-Graeke /IS 5182: (Part2)-2001 RA:2012
NO ₂	Jacobs-Hochheise /IS 5182: (Part6)-2006 RA:2012

H. Sanyal
23/6/25
Deputy Chief Scientific Officer,
DEL, Ambattur



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Ambattur.

Stack Monitoring Survey - Report of Analysis

ROA No. 25/AAQS/2025 - 26

Dated: 23.06.2025

1. Name of the Industry : M/S. Akshara Industries Ltd.
2. Address of the Industry : No.9 Eguvarpalayam Village
Gummidipoondi
Thiruvallur District
Pin code-601 201
3. Date of survey : 17.06.2025
4. Type of the Industry : Industrial

Stack Monitoring Survey Results

Sl.No	Stack attached to	Stack Temp in K	Velocity in (M/sec)	Discharge Rate in (Nm ³ /hr)	Pollutants (mg/Nm ³)		
					PM	SO ₂	NO ₂
7	dust collector no 6 - product house APC Measure:- Bag filters	321	12.5	8198	28.5	-	-

Test performed	Test Method
PM ₁₀	IS 5182: (Part 23) - 2006
SO ₂	Modified West-Graeke /IS 5182: (Part2)-2001 RA:2012
NO ₂	Jacobs-Hochheise /IS 5182: (Part6)-2006 RA:2012

[Signature]
23/6/25
Deputy Chief Scientific Officer,
DEL, Ambattur



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Ambattur.
Ambient/Source Noise Level Survey-Report of Analysis

ROA No. 25/AAQS/2025 - 26

Dated: 23.06.2025

1	Name of the Industry	M/S. Akshara Industries Ltd.		
2	Address of the Industry	No.9 Eguvarpalayam Village Gummidipoondi Thiruvallur District Pin code-601 201		
3	Date of survey	17.06.2025		
4	Category	RL	Land Use Classification	Industrial
Type of survey		Ambient/Source	Time of Survey	Day
Meteorological Conditions		Calm		

Logging Parameters

Instrument Used	CESVA	Serial No.	T243104
Logging Interval	30 Minutes in each point	Measuring Range	50-110 dB(A)
Weighting	"A" Peak Weighting	"C" Time Weighting	Slow
Sound Incidence	RANDOM	Time in Hrs.	11.45-14.55 Hrs

S.no	Location	Duration (min)	Distance (m)	Direction	Sound Level – dB(A)		
					Leq	LMin	LMax
1	near main security gate	30	90	NE	60.5	56.1	73.6
2	adjacent to staff canteen	30	120	E	69.2	64.2	84.5
3	infront of the unit	30	150	SE	69.4	66.2	83.3
4	near coal yard	30	80	SW	67.2	64.2	80.4
5	adjacent to pre laminating area	30	90	NW	63.2	62.2	77.3

Leq Value is the average energy for the measured period

K. Sankar
23/6/25
Deputy Chief Scientific Officer,
DEL, Ambattur

ANNEXURE - XVI

ROA Test report done by TNPC Noise level



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Ambattur.

Ambient/Source Noise Level Survey-Report of Analysis

ROA No. 25/AAQS/2025 - 26

Dated: 23.06.2025

1	Name of the Industry	M/S. Akshara Industries Ltd.		
2	Address of the Industry	No.9 Eguvarpalayam Village Gummidipoondi Thiruvallur District Pin code-601 201		
3	Date of survey	17.06.2025		
4	Category	RL	Land Use Classification	Industrial
Type of survey		Ambient/Source	Time of Survey	Day
Meteorological Conditions		Calm		

Logging Parameters

Instrument Used	CESVA	Serial No.	T243104
Logging Interval	30 Minutes in each point	Measuring Range	50-110 dB(A)
Weighting	"A" Peak Weighting	"C" Time Weighting	Slow
Sound Incidence	RANDOM	Time in Hrs.	11.45-14.55 Hrs

S.no	Location	Duration (min)	Distance (m)	Direction	Sound Level - dB(A)		
					Leq	LMin	LMax
1	near main security gate	30	90	NE	60.5	56.1	73.6
2	adjacent to staff canteen	30	120	E	69.2	64.2	84.5
3	infront of the unit	30	150	SE	69.4	66.2	83.3
4	near coal yard	30	80	SW	67.2	64.2	80.4
5	adjacent to pre laminating area	30	90	NW	63.2	62.2	77.3

Leq Value is the average energy for the measured period

K. Sankar
23/6/25
Deputy Chief Scientific Officer,
DEL, Ambattur

ANNEXURE - XVII

Rain Water Harvesting System

RAIN WATER HARVESTING SYSTEM





GPS Map
Camera Lite



C3JF+J9, Eguvarpalayam, Tamil Nadu 601201, India

Latitude
13.43289108°

Longitude
80.0724557°

Local 11:17:43 AM
GMT 05:47:43 AM

Altitude 25 meters
Tuesday, 03.09.2024



GPS Map
Camera Lite



C3/JF+J9, Eguvarpalayam, Tamil Nadu 601201, India

Latitude
13.43264707°

Longitude
80.07326163°

Local 11:21:37 AM
GMT 05:51:37 AM

Altitude 24 meters
Tuesday, 03.09.2024



GPS Map
Camera Lite



SF.NO : 225/1A2C,D,E, Madharpakkam Road, 9, Eguvarpalayam, village, Gummidipoondi, Eguvarpalayam,
Tamil Nadu 601201, India

Latitude
13.43297216°

Local 11:48:06 AM
GMT 06:18:06 AM

Longitude
80.06960933°

Altitude 27 meters
Tuesday, 03.09.2024

ANNEXURE - XVIII

**Acknowledgement copy of Letter sent to the
Panchayat Secretary**

Date:

To

The panchayat Secretary,
Eguvarpalayam panchayat,
Eguvarpalayam Village,
Gummidipoondi Taluk,
Thiruvallur Dist.
Tamilnadu-601201.

Dear Madam/Sir,

Sub: Submission of Environmental Clearance. Reg.

This is to bring your kind attention that we M/s. AKSHARA INDUSTRIES PRIVATE LIMITED formerly known as AKSHARA INDUSTRIES LTD situated at 09, Eguvarpalayam village, had been awarded Environmental Clearance (EC) by MoEF&CC on dated 21.07.2009. Now the same is being submitted to your office.

We request you kindly acknowledge the same. EC copy attached.

Thanking you,

For Akshara Industries Pvt. Ltd,

Suresh Chandra

Authorized Signatory.



Received for Letter

இணர்

ஊராட்சி செயலர்
ஈகுவார்பாலையம் ஊராட்சி
கும்மிடிப்பூண்டி ஒன்றியம்

ANNEXURE - XIX
EMP Fund details

Spend detail on EMP PLAN

Sl. No.	Description of Item	Cost (Rs. In Lakhs)
1	Air pollution control system	157
2	Environmental Monitoring	47
3	Greenbelt development, rainwater harvesting and others	8
4	Recurring Cost	12
	Total	224

For AKSHARA INDUSTRIES PVT LTD


Director

ANNEXURE - XX

Copy of Environmental Clearance - EC



**Government of India
Ministry of Environment & Forests
(IA Division)**

By speed post

**Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003**

E-mail: hsmalviya@gmail.com

Telephone: 011: 2436 7076

Dated: July

**F. No. J-11011/35/2008-IA-II (I)
21, 2009**

To

**M/s Akshara Industries Ltd
Survey No. 225/1C1 and 225/1C2 Village No. 9,
Eguvaripalayam, Gummdi Poondi Taluk,
Thiruvallur District,
Tamil Nadu**

aksharaind@eth.net

Sub : Expansion of Sponge Iron Plant (6000 TPM to 12,000 TPM) and setting up of Steel Billets Unit (12,000 TPM), Rolled Steel Products (12,000 TPM) and Power Plant (22 MW) at Survey No. 225/1C1 and 225/1C2 Village No. 9, Eguvaripalayam, Gummdi Poondi Taluk, Thiruvallur District, Tamil Nadu by M/s Akshara Industries Limited – Environmental Clearance reg.

Sir,

This has reference to your letter no. nil dated 15th January, 2009 alongwith EIA/EMP report and public hearing proceeding seeking environmental clearance for the above mentioned project and subsequent submission of clarifications vide your letter no. AKS/SIP/90306-02 dated 23rd March, 2009 and no. nil dated 5th June, 2009.

2.0 The Ministry of Environment and Forests has examined the proposal and noted that proposal is for expansion of Sponge Iron Plant (6000 TPM to 12,000 TPM) and setting up of Steel Billets Unit (12,000 TPM), Rolled Steel Products (12,000 TPM) and Power Plant (22 MW) at Survey No. 225/1C1 and 225/1C2 Village No. 9, Eguvaripalayam, Gummdi Poondi Taluk, Thiruvallur District, Tamil Nadu by M/s Akshara Industries Limited. The total land available is 38.29 acres and expansion activities will be carried out within the existing premises. The total cost of the project after expansion will be Rs. 220.00 Crores.

3.0 It is noted that the waste gases generated from the DRI plant will be utilized for power generation in cogeneration power plant. Electrostatic Precipitator (ESP) will be installed to achieve 100 mg/Nm³ of particulate matter emission from DRI kiln/power plant. Low NOX burner, use of lime stone for control of SO₂ emissions and

suitable height of stack will be provided with FBC boiler. Fumes extraction system with cyclone dust collector/bag filters will be installed for control of air pollution from induction furnaces. Reheating furnace will be based on producer gas and emissions will be through 30 m high stack. The total water requirement will be 265 m³/hr out of this 7 KLD will be for domestic purposes. The wastewater from cooling towers, DM Plant and boiler will be collected in guard pond (90.74 KLD) and used for irrigation in green belt. Domestic wastewater (5 KLD) will be disposed off through dispersion trenches within plant premises for green belt development. Solid waste generated from the plant as char / dolochar will be used in FBC plant and slag (1200 TPM) generated from induction furnace will be disposed off in land filling.

4.0 Public hearing meeting was held on 31st October, 2008.

5.0 The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 subject to strict compliance of the following specific and general conditions:

SPECIFIC CONDITIONS:

- i) Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line stack monitoring facilities for all the stacks and sufficient air pollution control devices shall be provided to keep the emission levels below 100 mg/Nm³. Necessary calibration and cleaning of the opacity meter shall be done time to time.
- ii) Electrostatic precipitator (ESP) shall be provided to DRI plant, WHRB and AFBC. Hot gases from DRI plant shall be utilized in the WHRB. Induction furnace (IF) shall be provided with hood with ducting and connected to an Induced Draft (ID) fan outside the building to extract fumes from melting process to control the process emissions 100 mg/Nm³. Fume extraction system shall be provided to IF. Adequate pollution control measures shall be provided to control the gaseous emissions from the reheating furnace when furnace oil is used before discharging to open atmosphere through recuperator and chimney of adequate height. All the stacks including stack of dedusting unit shall be as per the norms prescribed in the Notification issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008.
- iii) Gaseous emissions including secondary fugitive emissions from all the sources including conveyor belts and transfer points shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008 and regularly monitored and reports submitted to Ministry's Regional Office at Bangalore, CPCB and TNPCB. Guidelines / Code of Practice issued by the CPCB shall be followed.
- iv) The proponent shall upload the status of compliance of the stipulated EC conditions, including 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 pollutant namely; SPM, RSPM, SO₂, NO_x (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at the convenient location near the main gate of the Company in the public domain.

v) Possibility of using nearby railway siding for the transportation of raw material and coal shall be explored and Ministry shall be informed accordingly. Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.

vi) Prior 'permission' for the drawl of 265 m³/hr ground water from shall be obtained from CGWA / SGWB.

vii) All the char from the existing and proposed DRI plant shall be utilized in AFBC power plant to be installed simultaneously. No char shall be disposed off anywhere else. All the slag shall be used for road making and filling low lying areas only after passing through Toxic Chemical Leachability Potential (TCLP) test and shall be used only when found non-hazardous. Toxic slag shall be disposed off in secured landfill as per CPCB guidelines.

viii) Solid waste in the form of slag, sludge and oily waste shall be stored separately in designated place only. Waste oil and oily sludge shall be disposed off to registered recyclers as per CPCB guidelines.

ix) All the other solid wastes including refractory waste shall be properly utilized or disposed off in environment friendly manner.

x) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 as amendment in 2003.

xi) Proper house keeping shall be ensured and all the raw material including iron ore, char, coal etc. shall be stored at designated places.

xii) Green belt shall be developed at least 33% as per the CPCB guidelines to mitigate the impacts of fugitive emissions in consultation with local DFO.

xiii) Occupational health surveillance shall be carried out as per the Factories Act, 1948.

xiv) All the recommendations mentioned in the Charter on the Corporate Responsibility for the Environmental Protection (CREP) for the Steel Plants shall be implemented.

xv) The company shall comply with the commitments made during public hearing meeting held on 31st October 2008.

xvi) 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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project

B. GENERAL CONDITIONS:

The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board and any other statutory authorities.

No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.

At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.

The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.

The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the State Pollution Control Board must be obtained for collection / treatment / storage / disposal of hazardous wastes.

The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels

shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.

The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.

xvii) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions.

xviii) Adequate funds shall be earmarked towards capital cost and recurring cost/annum and judiciously used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. A time bound implementation schedule shall be submitted to the Ministry and its Regional Office at Bhubaneswar to implement all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.

The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office / SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.

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 on hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal. The clearance letter shall also put up on the website of the Company by the proponent.

The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Ministry's Regional Office.

The environmental 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 alongwith

the status of compliance of EC conditions and shall also be sent to the respective regional Office of the MoEF by e-mail.

The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

6.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

7.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

8.0 Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, Second Floor, Trikot-I, Bhikaji Cama Place, New Delhi-110066, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.

9.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

(H.S. Malviya)
Joint Director

Copy to:

1. The Secretary (Environment), Govt. of Tamil Nadu, Fort. St. George, Chennai-560560.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, Tamil Nadu Pollution Control Board, 100, Anna Salai, Guindy, Chennai - 600032.
4. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wings, 7th Main Road, IInd Block, Koramangala, Bangalore-560034.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.

(H.S. Malviya)
Joint Director

ANNEXURE – XXI

**Copy of Paper Advertisement of published EC
details**

COPY OF PAPER ADVERTISEMENT OF PUBLISHED EC DETAILS

பொது அறிவிப்பு

முன்னைய உற்பத்தி அளவான 6,000 டன்/மாதம் திறனுடைய ஸ்பாஞ்ச் இரும்புத் தொழிற்சாலையை 12,000 டன்/மாதம் அளவிற்கு விரிவுபடுத்துவது மற்றும் புதியதாக ஸ்டீல் பில்லெட்ஸ் (12,000 டன்/மாதம்), ரோல்டு ஸ்டீல் பொருட்கள் (12,000 டன்/மாதம்) மற்றும் மின் நிலையம் (22 மெகாவாட்) ஆகிய தொழிற்சாலைகள் அமைப்பதற்கான திட்டத்திற்கு, தமிழ்நாடு மாநில சுற்றுச்சூழல் தாக்கம் மதிப்பீட்டு ஆணையத்தால் சுற்றுச் சூழல் அனுமதி வழங்கப்பட்டுள்ளது. இத்திட்டம் பிளாட் எண் 225/1C1 மற்றும் 225/1C2, கிராம எண் 9, எகுவாரிபாளையம், கும்மிடிப்பூண்டி தாலுகா, திருவள்ளூர் மாவட்டம், தமிழ்நாடு - பின் கோடு: 601201 எனும் இடத்தில் அமைந்துள்ளது.

மேற்கண்ட சுற்றுச்சூழல் அனுமதியின் நகல்கள் தமிழ்நாடு மாகாணக் கட்டுப்பாட்டு வாரியத்தில் கிடைக்கின்றன. :

F.No. J-11011/35/2008-IA-II(I)
21.07.2009 ஐ நிறுவனத்தின்
வலைத்தளமான
<https://aksharaindustriesprivatelimited.com/wp-content/uploads/2025/06/DocScanner-Jun-13-2025-11-39-AM.pdf>.

இப்படிக்கு:
M/s. அக்ஷரா இண்டஸ்ட்ரீஸ் பிரைவேட்
லிமிடெட், கும்மிடிப்பூண்டி.

DT NEXT

Classifieds

► PUBLIC NOTICE

PUBLIC NOTICE

This is to inform that proposed Expansion of Sponge Iron Plant (6000 TPM to 12,000 TPM) and setting up of Steel Billets Unit (12,000 TPM), Rolled Steel Products (12,000 TPM) and Power Plant (22 MW) unit located at Plot No. No.225/1C1, and 225/1C2 Village No. 9, Eguvaripalayam, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu. Pin Code: 601201, has been accorded Environmental Clearance by the State Environmental Impact Assessment Authority of Tamil Nadu. The copies of the said clearance are available with the Tamil Nadu Pollution Control Board.

Environmental clearance Letter No.:
F.No. J-11011/35/2008-IA-II(I)
dated **21.07.2009** may also be seen
on the company website at
[https://aksharaindustriesprivate
limited.com/wp-content/uploads/
2025/06/DocScanner-Jun-13-2025-
11-39-AM.pdf](https://aksharaindustriesprivate.com/wp-content/uploads/2025/06/DocScanner-Jun-13-2025-11-39-AM.pdf)

by
**M/s Akshara Industries Private
Limited, Gummidipoondi**

ANNEXURE – XXII

Copy of FORM - V

Date: 26/05/2025

To

The District Environmental Engineer,
Tamil Nadu Pollution Control Board,
Gummidipoondi 601201.

Dear Sir,

With reference to the above, we are enclosing here with form (V) (see rule-14) the
Environmental statement for Akshara Industries Private Limited.

Kindly acknowledge the receipt of the same.

Thank you,

Yours Faithfully

For Akshara Industries Private Limited
For AKSHARA INDUSTRIES PVT LTD

Director


Director



FORM V

(See Rule 14)

Environmental Statement for the financial year ending on 31st March 2021

PART A

(i)	Name and address of the owner/occupier of the industry operation or process.	Mr. Anurag Tibrewala. (Director) 183/1.2 nd floor , Sydenhams road. Apparaogarden, Choolai. Chennai- 600112 Sponge Iron Manufacturing Unit.
(ii)	Industry Category Primary (STC Code): Secondary (STC Code)	RED LARGE 1053-Iron & Steel involving processing ore integrated steel plant and or sponge Iron Units.
(iii)	Production Capacity- Units	Product Sponge Iron -6000 Tones/Month. By-Product Dolachar-1200 Tones/Month.
(iv)	Year of Establishment	2005
(v)	Date of last environmental statement submitted	2020

PART B1). WATER CONSUMPTION.

S. No	WATER CONSUMPTION	Quantity(m3/ day)
1	process	Nil
2	Cooling and Boiler	66.0
3	Domestic	2.0
4	Others:: Road and Green Belt	50.0

Sl. No.	Name of Product	<u>PROCESS WATER CONSUMPTION PER UNIT OF PRODUCT</u> <u>OUTPUT</u>	
		During FY 2023-2024	During FY 2024-2025
1.	SPONGE IRON		

3) RAW MATERIAL CONSUMPTION

Name of Raw Materials	Name of Product	CONSUMPTION OF RAW MATERIAL PER UNIT	
		During FY 2023-2024	During FY 2024-2025
IRON ORE	SPONGE IRON	1.9454	1.9586
NON COKING COAL		1.0149	0.9908
DOLOMITE		0.0743	0.04976

PART C

Pollution Discharged to Environment/Unit of output.

(Parameters as specified in Consent Order)

Pollution	Quantity of pollutants Discharged (Mass Day)	Concentration of Pollutants in Discharged (Mass Volume)	Percentage of variation Prescribed standards with reasons.
(a) Water	N/A	N/A	N/A
(b) Air	Reports Annexed.		

PART DHAZARDOUS WASTES

(As Specified under Hazardous Waste Management and Handling Rules.:2016)

<u>S.NO</u>		<u>TOTAL QUANTITY (in Kgs)</u>	
		During FY 2023-2024	During FY2024-2025
1.	From Process	N/A	N/A
2.	From Pollution Control Facilities	N/A	N/A

M/S. AKSHARA INDUSTRIES PVT.LTD.GUMMIDIPOONDI.

PART E
SOLID WASTES

S.No	Name Of Waste	TOTAL QUANTITY (in kgs)	
		During FY 2023-2024	During FY 2024-2025
1)	From Process (i). Dolachar	12791.90	12957.60
2).	From Pollution Control facility	NIL	NIL
3.	Quantity recycled or re-utilized within the Unit	NIL	NIL
4.	Sold (i)Dolachar	12791.90	12957.60
5.	Disposed	NIL	NIL

PART H

Additional measures /Investment proposal for environmental protection abatement of pollution. Prevention of pollution.

S No.	Description	Cost (in Rs.)
(i)	Operation and maintenance of dust collectors.	2150000.00
(ii)	Environmental Audit by external agency	85000.00
(iii)	Energy Audit by external agency	75000.00
(iv)	Green Belt Development.	400000.00
TOTAL COST		2,510,000.00

PART I

Any other particulars for improving the quality of the environment.

We have been continuously developing green belt area in and around our factory.

PART F

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

- Dola char is By-product and it is sold as fuel to external industries. The quantum is 1200 T/Month which is the consented quantity and we usually get below the rated capacity per month.

PART G

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

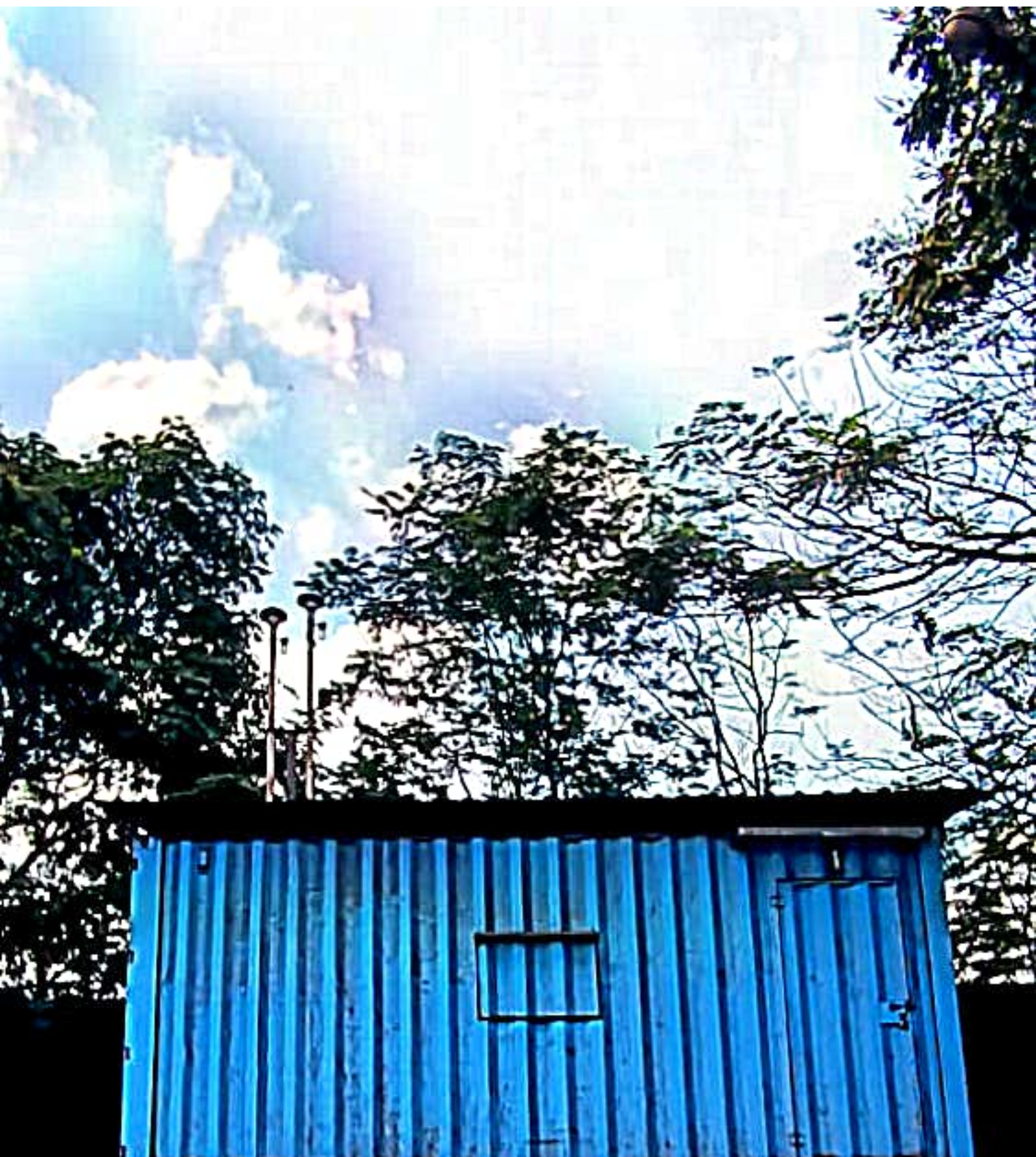
- We have been striving to reduce the energy consumption in the plant by practicing best energy audit systems.
- Energy audit is conducted every year to explore new areas of energy conservation.
- Water consumption to be still brought down by using sprinklers in gardening and also for dust suppression in coal handling unit. Water atomizer have almost reduced 75% water consumption in those areas.
- VFD have been installed for certain process to reduce the energy losses.

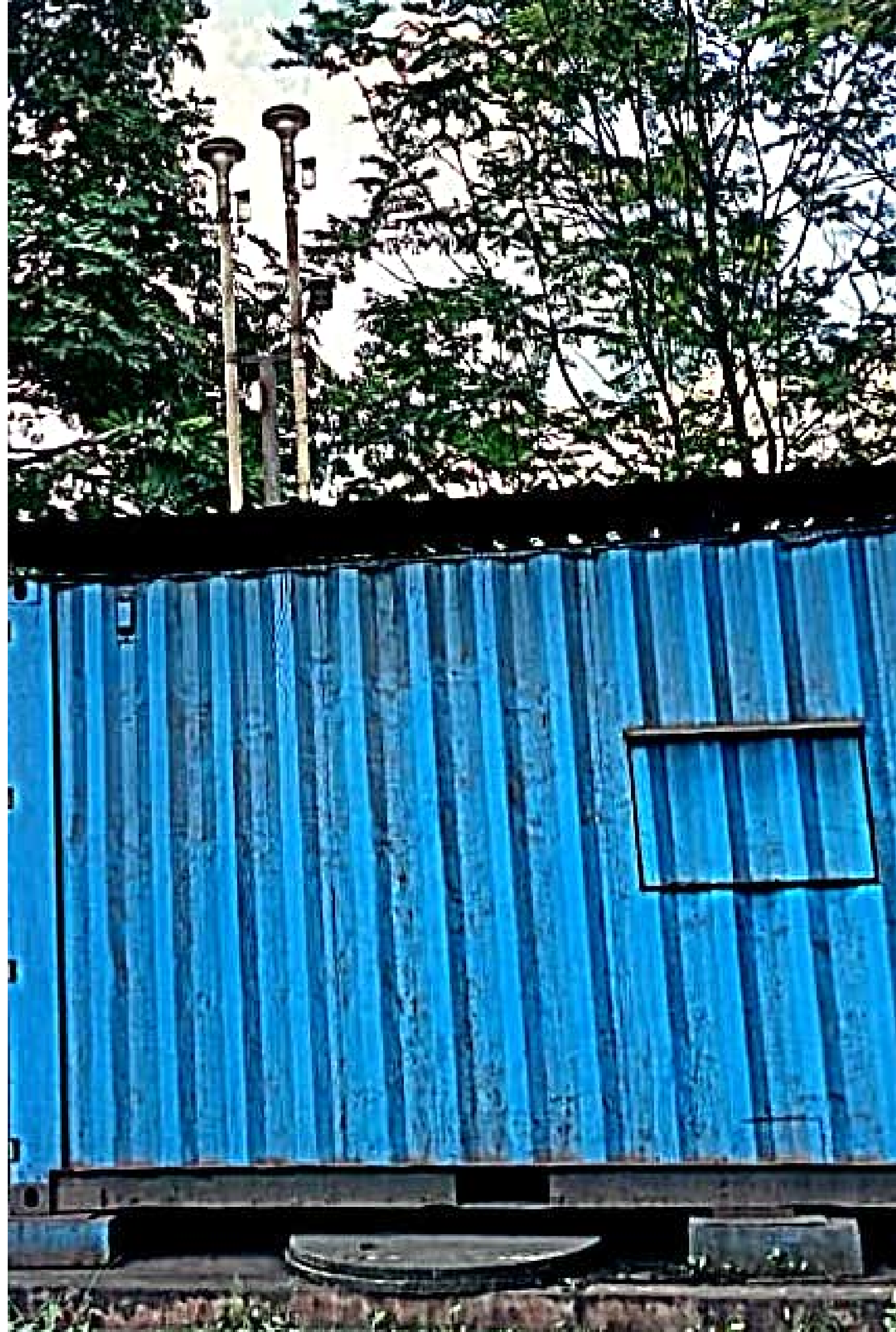
For AKSHARA INDUSTRIES PVT LTD


Director

ANNEXURE – XXIII

**Photo of Continuous Ambient Air Quality
monitoring stations station**





ANNEXURE XXIV

Screen short of Website uploaded EC copy

Environmental

[Home](#) > [Environmental](#)

Environmental

[Home](#) > [Environmental](#)

we are committed to sustainable practices and environmental responsibility. We ensure full compliance with environmental regulations and maintain transparency by making our clearances and related documents publicly available. Our operations are conducted in accordance with environmental laws and guidelines. Below are the details of our environmental clearances:

Environmental clearance

[View PDF](#)

Annexure XXII – Form V

[View PDF](#)

Annexure X26 – Copy of Paper Advertisement of Published EC Details

[View PDF](#)

Six month compliance

[View PDF](#)

Our Commitment

- Compliance with statutory environmental regulations.
- Responsible resource utilization.
- Transparency through documentation and public disclosure.

Quick Links

Newsletter

Sign up now to get daily latest news & updates from us



ANNEXURE – XXV

Photo of Display Board outside premises









Akshara Industries
Ltd
STACK_1

PARAMETER	VALUE
SO2	108.64
PM	16.23



Akshara Industries Ltd STACK_1	
PARAMETER	VALUE
SO2	108.64
PM	16.23



Akshara Industries
Ltd
AAQMS_1

PARAMETER	VALUE
PM10	22.62
PM2.5	13.27

ANNEXURE – XXVI

EMP Implementation Schedule

EMP IMPLEMENTATION SCHEDULE

Sr.No	Recommendation	Requirement /Status
1	Air pollution control measures	Air pollution control measures provided in industry
2	Water pollution control measures	Water pollution control measures provided in industry
3	Noise control measures	Noise control measures provided in industry
4	Solid waste management	Solid waste management is implemented
5	Greenbelt development	Work in progress and will done at stage wise implementation