



भारतसरकार

GOVERNMENT OF INDIA

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

क्षेत्रीय कार्यालय - चेन्नई / Regional Office - Chennai

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Nungambakkam, Chennai - 600034; Email: rofeccl@gmail.com

By Email

F.No. EP/12.1/872/TN/ 1908

Date: 17/12/2025

18/12/25

To

The Member Secretary,
IA-Industry-I, (IA-II),
Ministry of Environment, Forest and Climate Change,
Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi - 110 003
E-mail: d.runiwal@gov.in

Subject : Certified Compliance Report on the status of compliance of conditions imposed in the Environmental Clearances vide EC vide F.No. J-11011/35/2008-IA-II(1) dated 21.07.2009 for the projects "Environmental Clearance - 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 Private Limited" - Reg.

Reference : 1. F.No. J-11011/35/2008-IA-II(1) dated 21.07.2009.

Respected Sir,

This is in reference to subject and references cited above, it is to submit that this Office received a request letter from the PP to issue a Certified Compliance Report.

2. Based on the above-mentioned request and submitted documents, the site visit was approved by the Competent Authority and also as per the sub-para (a) of (ii) of (A) of para 3 of O.M. dated 28/02/2025, the above-mentioned project was inspected based on the documents submitted by the PP and available information on the PARIVESH portal by the undersigned on 15/10/2025 along with the project proponent. The Project is operational.

3. The Present Status of the Implementation of the Project and the point wise compliance status is given in the Part-II section of the CCR.

4. The non/partly compliances observed during the site visit was summarized below in the form of a table.

Sl. No.	EC Conditions	Status as per Six Monthly compliance Report submitted by the PP	Observations of RO Chennai
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. Copy of Environmental Clearance - EC 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. 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	Partially Complied The PP has not furnished the relevant document regarding upload of the status of compliance of the stipulated EC conditions, including monitored data on their website. The PP submitted the monitoring report to RO Chennai, however, the same copy submitted to the CPCB and TNPCB was not furnished. (Annexure 1). The criteria pollutant namely, SPM, RSPM, SO, NOX (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project was monitored and displayed at the convenient location near the main gate of the Company in the public domain (Annexure 1 and Refer Site Visit Photos).
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,	Not Complied It was observed from the documents submitted by the PP that the PP has MoU with Thulir Medi Services Private Limited vide dated 10/04/2025 (Annexure 1). However, the documents regarding occupational health surveillance for the workers was not submitted.

		and record-keeping for all employees are conducted as mandated. Attached details as Annexure XI MOU with Hospital and photo of Occupational Health centre.	
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	Not Complied The PP has not provided relevant document.
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	Not Complied The PP has not provided relevant document.
B. General Conditions:			
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.	Not Complied The PP has not provided relevant document.
9	The project proponent shall also comply with all the environmental protection measures and safeguards	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	Not Complied The PP has not provided relevant document.

	recommended in the EIA/EMP report.	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	
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.	Not Complied The PP has not provided relevant document.
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.	Not Complied The PP has not provided relevant document.
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	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 (both on hard copies as well as by e-mail).	Partially Complied The PP submitted the monitoring report to RO Chennai, however, the same copy submitted to the CPCB and TNPCB was not furnished. (Annexure 1).

	Zonal Office of CPCB and the SPCB.		
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 Environmental 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	Partially Complied It was observed from the document submitted by the PP that the PP has advertised the details of Environmental Clearance obtained in 2 local Daily Newspapers (Annexure I). Further, the pp has not provided the relevant document regarding the same shall be forwarded to the ministry's regional office.
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.	Not Complied The PP has not provided relevant document.

5. Show Cause Notice: As submitted by the PP, there is no show cause notices issued in relation to the project.

6. Court Case: As submitted by the PP, there is no court cases pending against the project.

7. The Certified Compliance Report, along with the necessary supporting documents submitted by the project proponent is attached herewith for your further necessary action.

This is issued with the approval of the Competent Authority.

Encl.: as above

S. Pradeep Kumar 18/12/2016
(Dr.S.Pradeepkumar)
 Scientist 'B'

Dr.S.Pradeepkumar

Scientist 'B'

Government of India

Regional Office

Ministry of Environment, Forest and Climate Change,

Shastri Bhavan, Raddow Road, Nungambalam,

Chennai - 600 006, Tamilnadu.

Copy to

1. The Director, 1A-Compliance and Monitoring Division, Indira Paryavaran Bhawan, Ministry of Environment, Forest & Climate Change, Jorbagh Road, Aliganj, New Delhi -110003, E-mail: shruti.raia@nic.in
2. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai – 600032, E-mail: memsec@tnpcb.gov.in
3. The District Collector, First Floor, Collectorate, Tiruvallur – 602001, E-mail: colltr@nic.in.
4. The Regional Director, Central Pollution Control Board, Regional Directorate, Chennai, 2nd Floor, 40-E, BSNL Building, TVK Industrial Estate, CIPET Road Guindy, Chennai – 600032, E-mail: y.laxmi.epcb@nic.in
5. Mr.Anurag Tibrewala, Director, M/s Akshara Industries Private Limited, Survey No.225/1C1, and 225/1C2 Village No.9, Eguvaripalayam, Gummdi Poondi Taluk, Thiruvallur District, Tamil Nadu. PIN: 601201. E-mail: aksharaindustries44@gmail.com.
6. Office Copy.


(Dr.S.Pradeepkumar)
Scientist 'B'

Dr.S.Pradeepkumar
Scientist 'B'
Government of India
Regional Office
Ministry of Environment, Forest and Climate Change,
Bhasini Bhavan, Haddow Road, Nanganahallam,
Chennai - 600 006, Tamilnadu.

12/01/2025

GOVERNMENT OF INDIA

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

Regional Office - Chennai

PART-I

DATA SHEET

1	Project Type: River valley / Mining/Industry/Thermal/Nuclear/Other Specify		Industry
2	Schedule and category of the project as per EIA,2006		3(a) Metallurgical Industries (ferrous and non-ferrous)
3	Category of the project as per CPCB Guidline (Red, Orange and Green)		Orange
4	Name of Project and project proponent		Environmental Clearance - 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 Private Limited
5	Clearance letter(s)/OM No. and dated		Environmental Clearance letter F.No. J-11011/35/2008-IA-II(I) dated 21.07.2009
6	Locations		
	a	Village	Eguvaripalayam
	b	Taluk	Gummidipoondi
	c	District	Thiruvallur
	d	State	Tamilnadu
	e	Latitudes / Longitudes	Lat 13.433836, / Long 80.071144
7	Address of Correspondence		
	a	Address of concerned project Chief Engineer (with Pin Code & telephone/telex/fax numbers)	Anurag Tibrewala Director M/s Akshara Industries Private Limited Survey No.225/1C1, and 225/1C2 Village No.9, Eguvaripalayam, Gummdi Poondi Taluk,,Thiruvallur District, Tamil Nadu. PIN: 601201. Mobile:09952701013 Phone: 26693316/ 3317 E-mail: aksharaindustries44@gmail.com
6	Salient features		
	a	Present status of the project	Existing Blocks: Under operation Expansion Blocks: Unit is not yet implemented the proposed expansion project activity
	b	Environmental management plans of the project	The PP has set up Rainwater Harvesting, Storm water Drainage and DG sets facility in the existing premises

9	Breakup of the project area		
	a	Submergence area (forest & non-forests)	-
	b	Others	-
10	Break up of project affected population with enumeration of those losing houses/dwelling units only, agricultural land only, both dwelling units and agricultural land and landless labourers/artisans		-
	a	SC, ST/Adivasis	-
	b	Others	-
10	Total Plot Area		15.495 Ha (as per EC)
	Built-up Area (Including Road)		-
	Open Space Available		-
	Green Belt Area		5.4 ha (35%)
11	Financial Details		
	a	Project cost as originally planned and subsequent revised estimates and the years of price reference	Rs 220.00 Crores
	b	Allocations made for environmental management plans, with item wise and year wise breakup	-
	c	Actual expenditure incurred on the Project so far	-
	d	Actual expenditure incurred on the environmental management plans so far.	-
12	Forest land requirement		
	a	The status of approval for a diversion of forest land for non-forestry use	NA
13	Whether project located in Critically Polluted Area/Severely Polluted		NA
14	Status of construction		
	a	Date of commencement	-
	b	Date of completion (actual and/or planned)	-
15	Production details as per EC & CTO		
		Year	Total Production As per EC
			Total Production As per CTO
			Actual Production
16			
16	Reasons for the delay if the project is yet to start.		-

16	Reasons for the delay if the project is yet to start.	-
17	KML file of the project	-
18	Status of Public hearing commitments	Not implemented
19	Status of R&R	-
20	Date of site visit	
	a The dates on which the project was monitored by the Regional Office on previous occasions, if any	
	b Date of site visit for this monitoring report	15/10/2025
21	Purpose of present Site visit a. Suo moto/Random Inspection of projects by RO/SRO b. CCR for expansion project's EC under EIA Notification 2006 c. Verification Report (VR) of Action Taken Report (ATR) or SCN response submitted by the PP d. Complaint received against the project e. Reference forwarded by the Ministry which inter-alia may include PMO, VIP, Public Grievance, Parliamentary, RTI references f. Direction by Hon'ble court or by the Ministry in various Court Matter g. Direction from the Ministry in any other matter	CCR for expansion project's EC under EIA Notification 2006
22	Pending litigation if any or direction issued by any regulatory authority	As submitted by the PP, there is no pending litigation if any or direction issued by any regulatory authority
23	Recommendations: a. Major Non-compliance b. Minor Non-compliance c. Violation	Minor Non-Compliance


Signature of the Inspecting Officer

Dr.S.Pradeepkumar

Scientist 'B'
Government of India
Regional Office

Ministry of Environment, Forest and Climate Change,
Bhastri Bhawan, 11-12/13 Road, Nanpara Bhabha,
Chennai - 600 036, Tamil Nadu.

CERTIFIED COMPLIANCE REPORT

Subject : 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) & Power Plant (22 MW) at Survey No.225/1C1 and 225/1C2 Village No.9, Eguvaripalayam, Gommodipoondi Taluk, Thiruvallur District, Tamil Nadu by M/s. Akshara Industries Limited

Reference : MoEFCC EC vide F.No.J-11011/35/2008-1A-II(I) dated 21/06/2009

Date of Monitoring : 15/10/2025



Present status of the Implementation of the Project:

1. Upon examination of the documents submitted by the PP for the CCR request, the following information was observed:

- i. The PP has obtained EC from MoEFCC vide F.No.J-11011/35/2008-1A-II(I) dated 21/06/2009 for 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) & Power Plant (22 MW) at Survey No.225/1C1 and 225/1C2 Village No.9, Eguvaripalayam, Gommodipoondi Taluk, Thiruvallur District, Tamil Nadu by M/s. Akshara Industries Limited.
- ii. The PP has obtained CTE from TNPCB vide Consent Order No. 2734 (Air Act) and Consent Order No. 2786 (Water Act) dated 18/07/2004.

iii. The PP has obtained CTO from TNPCB vide Consent Order No. 2508264834128 (Air Act) and Consent Order No. 2508164834128 (Water Act) dated 20/03/2025 which is valid up to 31/03/2030.

iv. The PP obtained the Standard ToR vide File No. IA-J-11011/187/2024-IA-II(IND-1) dated: 24/06/2024 with the **mentioning of "A Certified Compliance Report (CCR) of the Integrated Regional Office of the Ministry of Environment, Forest and Climate Change/ or concerned authority as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided"**.

v. Further, it was observed from the submission of the PP that the PP proposed to increase the production capacity by Expansion of Sponge Iron Plant with a Secondary Steel Plant to increase Sponge Iron Production from 72,000 TPA to 1,44,000 TPA and Installation of Electric Induction Furnaces of 3x15 T for the Production of Steel Billets (SMS) 1,48,500 TPA, a Rolling Mill with a Production of 1,33,650 TPA, and the installation of a Waste Heat Recovery Power Plant (WHRB) of 10 MW, under Expansion in Environmental Clearance under para 7 (ii) (a) of EIA Notification, 2006 and MoEFCC – O.M. vide F.No.IA3-22/ 10/ 2022-IA.III [E 177258] dated 11/04/2022 related to "Guidelines for granting EC under para 7(ii)(a) of EIA Notification, 2006, for expansion up to 50%, within the existing premises/ mine lease area, without additional land acquisition".

2. An approval from the Competent Authority was obtained based on the documents submitted by the PP and accordingly, the site was carried out by the undersigned on 15/10/2025 along with the project proponent. The existing project is operational.

3. The report is prepared on the basis of the site visit and as per the information and documents provided by the PP before and after site. The Status of the Compliance on the stipulated conditions contained in the EC cited above is given in Part II.

Part – II

Sl. No.	EC Conditions	Status as per Six Monthly compliance Report submitted by the PP	Observations of RO Chennai
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/Nm³. 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	Complied It was observed during the site visit and document submitted by the PP that the PP has provided ESP with common stack, Bag filter with stack at transfer point, Closed conveyer belts, and online CEMS (Annexure 1 and refer site visit photos). Further the PP has provided the calibration report (Annexure 1). Further, the PP has submitted the AAQ report of analysis by TNPCB vide ROA No.25/AAQS/2025-26 dated 23/06/2025 (Annexure 1).

		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 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	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.	Complied It was observed during the site visit and document submitted by the PP that the PP has provided ESP with common stack DRI plant both kilns (Refer site visit photos). Further, the PP has submitted the AAQ report of analysis by TNPCB vide ROA No.25/AAQS/2025-26 dated 23/06/2025 (Annexure I).

	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 30 May, 2008		
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 30 th 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 Fugitive emission test report date 09/01/2023 is attached as Annexure – XII fugitive emission is within the permissible limit in various locations of the plant Ambient Air quality survey report date 23/06/2025 by TNPCB attached as Annexure XV	Complied It was observed during the site visit and document submitted by the PP that the PP has provided ESP with common stack, Bag filter with stack at transfer point, Closed conveyer belts, and online CEMS (Annexure 1 and refer site visit photos). Further, the PP has submitted the AAQ report of analysis by TNPCB vide ROA No.25/AAQS/2025-26 dated 23/06/2025 (Annexure 1). The PP submitted the Test report vide report no. EN22120053-15 to 33 dated 09/01/2023 for the fugitive emission (Annexure 1). The PP submitted the monitoring report to RO Chennai, CPCB and TNPCB (Annexure 1).
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	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. Copy of Environmental Clearance - EC is uploaded in our company website https://aksharaindustriesprivatelimited	Partially Complied The PP has not furnished the relevant document regarding upload of the status of compliance of the stipulated EC conditions, including monitored data on their website. The PP submitted the monitoring report to RO Chennai, however, the same copy submitted to the CPCB and TNPCB was not furnished.

	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	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. 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	(Annexure 1). The criteria pollutant namely, SPM, RSPM, SO, NOX (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project was monitored and displayed at the convenient location near the main gate of the Company in the public domain (Annexure 1 and Refer Site Visit Photos).
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.	Complied It was observed during the site visit that the PP has transported the raw materials through trucks. It was observed during the site visit that the PP has provided water sprinkler at the site to control the dust (Annexure 1 and Refer Site Visit Photos).

		Attached details as Annexure IV photo of Water sprinkler at loading & unloading area, and Closed trucks	
6.	Prior permission for the drawl of 265 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	Complied It was observed from the document submitted by the PP that the PP has obtained Ground Water Clearance renewal NOC certificate obtained from SG&SWRDC, Chennai Certificate No1042/2024 (R-4) date 23/12/2024 (Annexure 1).
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 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.	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 and photo of packages of Solid waste generated in ESP & Black filter	It was observed from the document submitted by the PP that the PP has submitted the letter vide 22/02/2024 for the supply of Dolochar to MTC Business Pvt Ltd (Annexure 1).
8.	Solid waste in the form of slag, sludge and oily waste	COMPLIED Used/spent Oil is stored separately in	Complied It was observed during the site

	shall be stored separately in designated place only. Waste oil and oily sludge shall be disposed off to registered recyclers as per CPCB guidelines	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 Attached details as Annexure VIII - Form IV Annual return	that the PP has obtained the Hazardous Waste Authorization from TNPCB vide No.22HFC41405733 dated 09/02/2022 which is valid up to 31/03/2026 (Annexure 1).
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	It was observed from the document submitted by the PP that the PP has submitted the letter vide 22/02/2024 for the supply of Dolochar to MTC Business Pvt Ltd (Annexure 1).
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	It was observed during the site visit that no fly ash was present in the site.
11.	Proper housekeeping shall be ensured and all the raw material including iron ore,	COMPLIED Proper housekeeping has been ensured, and all raw materials,	Complied It was observed during the site visit that the PP has maintained

	char, coal etc. shall be stored at designated places	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	proper housekeeping (Refer Site Visit Photos).
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	Complied It was observed during the site visit and document submitted by the PP that the PP has developed good stretch of greenbelt (Refer Site Visit Photos).
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.	Not Complied It was observed from the documents submitted by the PP that the PP has MoU with Thulir Medi Services Private Limited vide dated 10/04/2025 (Annexure 1). However, the documents regarding occupational health surveillance for the workers was not submitted.
14.	All the recommendations mentioned in the Charter on the Corporate Responsibility for the Environmental Protection (CREP) for the Steel Plants	NOT APPLICABLE	Not Complied The PP has not provided relevant document.

	shall be implemented		
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	Not Complied The PP has not provided relevant document.
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.	Due to the absence of the construction activity during the site visit, the condition could not be ascertained.
B. General Conditions:			
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	The PP has been informed about the condition which has been duly noted.
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	COMPLIED Unit is not yet implemented the proposed expansion project activity.	The PP has been informed about the condition which has been duly noted.

	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.		
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.	Not Complied The PP has not provided relevant document.
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	COMPLIED One Continuous ambient air quality monitoring stations for the parameters PM 10 & PM 2.5 established inside premises and data are share with TNPCB Ambient Air Quality monitoring for the parameters PM 10, PM 2.5, SO ₂ , NO _x and Stack emission for the parameters PM, SO ₂ , NO _x are carried by TNPCB lab survey dated 23/06/2025. Attached details as Annexure XV	Complied It was observed from the document submitted by the pp that the pp has submitted the AAQ report of analysis by TNPCB vide ROA No.25/AAQS/2025-26 dated 23/06/2025 wherein, ambient air quality monitoring and stack measurement were taken in 07 locations. (Annexure 1).

	Bhubaneswar and the SPCB/CPCB once in six months.	Analysis Report of Analysis done by TNPB 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	The PP has been informed about the condition which has been duly noted.
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 TNPB 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	Complied It was observed during the site that the PP has obtained the Hazardous Waste Authorization from TNPB vide No.22HFC41405733 dated 09/02/2022 which is valid up to 31/03/2026 (Annexure 1).
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	COMPLIED The latest TNPB ROA survey test report dated 23/06/2025, received Noise level are within TNPB Standard. Attached details as Annexure XVI ROA done by TNPB Noise level	Complied It was observed from the noise report submitted by the PP vide ROA No.25/AAQS/2025-26 dated 23/06/2025 from TNPB wherein the noise levels are within the prescribed limit (Annexure 1).

	shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).		
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	Complied It was observed during the site visit that the pp has developed rain water harvesting structures (Refer site visit photos).
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	Not Complied The PP has not provided relevant document.
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.	Not Complied The PP has not provided relevant document.
11	Adequate funds shall be earmarked towards capital cost and recurring cost/annum and judiciously used to implement the	Not Applicable Unit is not yet implemented the proposed expansion project activity.	Not Complied The PP has not provided relevant document.

	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.		
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.	The PP has been informed about the condition which has been duly noted. The PP submitted the monitoring report to RO Chennai, CPCB and TNPCB (Annexure 1).
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 (both on hard copies as well as by e-mail).	Partially Complied The PP submitted the monitoring report to RO Chennai, however, the same copy submitted to the CPCB and TNPCB was not furnished. (Annexure 1).
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	COMPLIED The project proponent has complied with the requirement to send a copy of the clearance letter to the Panchayat Secretary, Eguvarpalayam Village. We uploaded copy of EC is uploaded in our company website https://aksharaindustriesprivatelimited	Complied It was observed from the document submitted by the pp that the pp has submitted the copy of letter to Panchayat Secretary, Eguvarpalayam Village which mentions that they have obtained the EC for

	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.	.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.	the project (Annexure 1).
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 Environmental 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	Partially Complied It was observed from the document submitted by the PP that the PP has advertised the details of Environmental Clearance obtained in 2 local Daily Newspapers (Annexure 1). Further, the pp has not provided the relevant document regarding the same shall be forwarded to the ministry's regional office.
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,	BEING COMPLIED M/s Akshara Industries Ltd is submitting Environmental Statement for each financial year ending 31 st 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,	Complied It was observed from the document submitted by the PP that the PP has submitted the environmental statement in Form-V to the DEE, TNPCB, Gummidipoondi vide dated 26/05/2025 (Annexure 1).

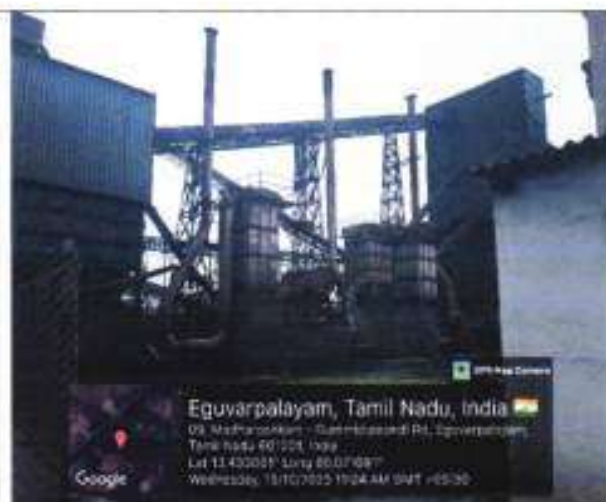
	shall also be put on the website of the Company along with the status of compliance of EC conditions and shall also be sent to the respective regional Office of the MoEF by e-mail.	1986 as amended subsequently. We are uploaded in the website of company for the copy of Form-V and EC in our company website https://aksharaindustriesprivatelimited.com/environmental/ We have submitted the six month compliance report for the period of October 2024 to March 2025 vide on date 14/08/2025 . 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.	Not Complied The PP has not provided relevant document.
6	The Ministry may revoke or suspend the clearance, if Implementation of any of the above conditions is not satisfactory.		The PP has been informed about the condition which has been duly noted.
7	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.		The PP has been informed about the condition which has been duly noted.
8	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		The PP has been informed about the condition which has been duly noted.

	of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.		
9	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.		The PP has been informed about the condition which has been duly noted.


Signature of the Inspection Officer

Dr.S.Pradeepkumar
 Scientist 'B'
 Government of India
 Regional Office
 Ministry of Environment, Forest and Climate Change,
 Shastri Bhavan, Haddows Road, Nungambakom,
 Chennai - 600 006, Tamilnadu.

Site Visit Photographs



Bag Filter and water sprinkler



Closed Conveyer belt



Greenbelt



Greenbelt



Rainwater Pipeline



ESP with stack



Bag filter



Kiln

S. Pradeep Kumar 18/11/2025
Signature of the Inspection Officer

Dr.S.Pradeepkumar
 Scientist 'B'
 Government of India
 Regional Office
 Ministry of Environment, Forest and Climate Change,
 Shastri Bhavan, Haddows Road, Nungambakkam,
 Chennai - 600 006, Tamilnadu.



Regional Office Chennai <roefccc1@gmail.com>

Request for Certified Compliance Report (CCR) by M/s. Akshara Industries Private Limited

1 message

akshara fac <aksharaegu@gmail.com>
To: "roefccc1@gmail.com" <roefccc1@gmail.com>
Cc: ecompliance-tn@gov.in

Mon, Aug 25, 2025 at 2:10 PM

To
The Deputy Director General of Forest (c),
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office,
1st and 2nd Floor Additional Office Block for GPOA,
Shastri Bhavan, [Haddows Road](#)
[Nungambakkam, Chennai-600006](#).

Sir/Madam,

Sub: Request for Certified Compliance Report (CCR) request – Reg.

- Ref: 1. Environmental Clearance from SEIAA Letter No. F.No. J-11011/35/2008-IA-II(I) dated 21.07.2009.
2. Terms of Reference (ToR) from MoEF&CC Letter No. F.No. IA-J-11011/87/2024-IA-II(IND-I) dated 24.06.2024.
3. Copy of our request letter dated 08/01/2025 to issue the Certified Compliance Report addressed to IRO,MoEFCC,Chennai.
4. Copy of request letter from IRO,MoEF&CC vide letter E.P./12.1/872/TN/314 dated: 25/02/2025

As per above reference No.3 of our request letter dated 08/01/2025 to issue the Certified Compliance Report addressed to IRO,MoEFCC,Chennai to issues CCCR to increase the production capacity by Expansion of Sponge Iron Plant with a Secondary Steel Plant to increase Sponge Iron Production from 72,000 TPA to 1,44,000 TPA and Installation of Electric Induction Furnaces of 3x15 T for the Production of Steel Billets (SMS) 1,48,500 TPA, a Rolling Mill with a Production of 1,33,650 TPA, and the installation of a Waste Heat Recovery Power Plant (WHRB) of 10 MW, we wish to seek Expansion in Environmental Clearance under para 7 (ii) (a) of EIA Notification, 2006.

As per above reference a reply letter received from IRO,MoEF&CC vide letter F.No. E.P./12.1/872/TN/314 dated: 25/02/2025

Where it mention that the Ministry examined the application and its supporting documents submitted Vide dated 08/01/2025 wherein the following necessary/supporting documents are lacking as per the Office Order vide F.No.EP/12.1/2021-22/Misc/11/TN/502 dated 12th April 2024 are given in Annexure - I.

We herewith submit the following necessary documents are requested in Annexure-I as per the paras 1 & 2 and checklist of the office order Office Order vide F.No.EP/12.1/2021-22/Misc/11/TN/502 dated 12th April 2024 for further process of CCR by IRO,MoEF&CC

1. Copy of the full length latest Six monthly Environmental Clearance (EC) Compliance with its Annexes for the period of October 2024 to march 2025.
2. Checklist with its Annexure.

In line with the above, our applications for applying for an Environmental Clearance for the proposed expansion under para 7(ii)(a) of the EIA Notification, 2006 is under ready to submit in the Parivesh Portal. To facilitate the process, we kindly request your office to issue a Certified Compliance Report (CCR) for the conditions outlined in the existing EC as early as possible.

With regards,

M/s. Akshara Industries Private Limited

Mr. Anurag Tibrewala

Director

Enclosure:

1. Copy of Environmental Clearance vides Lr.No. F.No. J-11011/35/2008-IA-II(I) dated 21.07.2009
2. Copy of Terms of Reference (ToR) from MoEF&CC Letter No. F.No. IA-J-11011/87/2024-IA-II(IND-I) dated 24.06.2024.
3. Copy of the full length latest Six monthly Environmental Clearance (EC) Compliance with its Annexes for the period of October 2024 to march 2025.
4. Checklist with its Annexure.

"GO GREEN" "Don't print this mail unless you need"
Prevent global warming by reducing consumption of POWER



Annexure I to VI & VIII.pdf

3 attachments



Request letter for CCR with Checklist & Annexures of Akshara AIPL.pdf
2479K



Annexure III - Akshara layout.kml
2K



Annexure VII - Six month compliance report with Annexure of AIPL with Acknowledgement of submission.pdf
18123K

To**Date: 23-08-2025**

The Deputy Director General of Forest (c),
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office,
1st and 2nd Floor Additional Office Block for GPOA,
Shastri Bhavan, Haddows Road
Nungambakkam, Chennai-600006.

Sir/Madam,

Sub: Request for Certified Compliance Report (CCR) request – Reg.

- Ref: 1. Environmental Clearance from SEIAA Letter No. F.No. J-11011/35/2008-IA-II(I) dated 21.07.2009.
2. Terms of Reference (ToR) from MoEF&CC Letter No. F.No. IA-J-11011/87/2024-IA-II(IND-I) dated 24.06.2024.
3. Copy of our request letter dated 08/01/2025 to issue the Certified Compliance Report addressed to IRO,MoEFCC,Chennai.
4. Copy of request letter from IRO,MoEF&CC vide letter E.P./12.1/872/TN/314 dated: 25/02/2025

As per above reference No.3 of our request letter dated 08/01/2025 to issue the Certified Compliance Report addressed to IRO,MoEFCC,Chennai to issues CCCR to increase the production capacity by Expansion of Sponge Iron Plant with a Secondary Steel Plant to increase Sponge Iron Production from 72,000 TPA to 1,44,000 TPA and Installation of Electric Induction Furnaces of 3x15 T for the Production of Steel Billets (SMS) 1,48,500 TPA, a Rolling Mill with a Production of 1,33,650 TPA, and the installation of a Waste Heat Recovery Power Plant (WHRB) of 10 MW, we wish to seek Expansion in Environmental Clearance under para 7 (ii) (a) of EIA Notification, 2006.

As per above reference a reply letter received from IRO,MoEF&CC vide letter F.No. E.P./12.1/872/TN/314 dated: 25/02/2025

Where it mention that the Ministry examined the application and its supporting documents submitted Vide dated 08/01/2025 wherein the following necessary/supporting documents are lacking as per the Office Order vide F.No.EP/12.1/2021-22/Misc/11/TN/502 dated 12th April 2024 are given in Annexure -I.

We herewith submit the following necessary documents are requested in Annexure-I as per the paras 1 & 2 and checklist of the office order Office Order vide F.No.EP/12.1/2021-22/Misc/11/TN/502 dated 12th April 2024 for further process of CCR by IRO,MoEF&CC

1. Copy of the full length latest Six monthly Environmental Clearance (EC) Compliance with its Annexes for the period of October 2024 to march 2025.
2. Checklist with its Annexure.

In line with the above, our applications for applying for an Environmental Clearance for the proposed expansion under para 7(ii)(a) of the EIA Notification, 2006 is under ready to submit in the Parivesh Portal. To facilitate the process, we kindly request your office to issue a Certified Compliance Report (CCR) for the conditions outlined in the existing EC as early as possible.

Thanking you,

For AKSHARA INDUSTRIES PRIVATE LIMITED,


ANURAG TIBREWALA
DIRECTOR



Enclosure:

1. Copy of Environmental Clearance vides Lr.No. F.No. J-11011/35/2008-IA-II(I) dated 21.07.2009
2. Copy of Terms of Reference (ToR) from MoEF&CC Letter No. F.No. IA-J-11011/87/2024-IA-II(IND-1) dated 24.06.2024.
3. Copy of the full length latest Six monthly Environmental Clearance (EC) Compliance with its Annexes for the period of October 2024 to march 2025.
4. Checklist with its Annexure.

CHECK LIST

Sl. NO.	CONDITIONS	COMPLAINE STATUS
1	Enclose copy of all Environmental Clearance	Environmental Clearance received Enclosed are attached as Annexure - I
2	Enclosed copy of first Consent to Establish and latest consent to operate	Consent to Establish (CTE) and latest consent to operate (CTO) are attached as Annexure -II
3	Date/Month of Commencement of Activity	Activity Commencement on date 01/05/2025 and Unit is not yet implemented the proposed expansion project activity.
4	Enclose KML file of the site	KML file of the site are attached as Annexure III
5	Green Belt development plan with Following details: 1.Layout showing existing and proposed plantation area 2.Types of trees species existing and proposed photographs of existing trees/plantations. 3.Approximate budget earmarked for green belt development under Environment	1. Layout showing existing plantation area are attached as Annexure IV A 2. Types of trees species existing and photographs of existing trees/plantations are attached as Annexure IV B 3. Budget earmarked for green belt development under Environment Management Plan are attached as Annexure IV C 4. We have complied with 35% of green belt area and Numbers of trees as per approved EC.



Sl. NO.	CONDITIONS	COMPLAINE STATUS
	Management Plan. 4. An undertaking that the proposed plantation will be carried out.	
6	Copy of latest Monitoring reports on Ambient Air, Soil, Ground Water, Noise, DG sets etc.	Latest Monitoring test reports on Ambient Air, Soil, Ground Water, Noise , DG sets are attached as Annexure V
7	Amount earmarked for Environmental Management	Environmental Management are attached as Annexure VI
8	Number of Six monthly compliance reports submitted to the regional office to the Ministry along with acknowledgment and copy of latest compliance report.	We hereby submitting six month compliance report for the period of October 2024 to March 2025 to the regional office of the Ministry along with acknowledgment and copy of latest compliance report are attached as Annexure VII
9	Details of Show cause Notice/Direction from Pollution Control Board, if any	NO
10	Details of pending Court cases, if any	NO



Sl. NO.	CONDITIONS	COMPLAINCE STATUS
11	Copy of news paper advertisement about grant of EC	Copy of News paper advertisement about grant of EC are attached as Annexure VIII
12	Website address where copy of EC, Half yearly compliance report (HYR) and Environmental statement are uploaded	Uploaded at https://aksharaindustriesprivatelimited.com/environmental/





in akshara Mail

भारतसरकार
GOVERNMENT OF INDIA
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
क्षेत्रीय कार्यालय/ Regional Office

1st Floor, Additional Office Block for GPOA, Shastri Bhawan, Haddows Road
Nungambakkam, Chennai - 600034; Email: rofccc1@gmail.com

F.No. EP/12.1/872/TN / 314

Date: February 2024

To

25/2/2025

The Director,
M/s. Akshara Industries Pvt Ltd.,
183/1, Sydenhams Road, Apparao Garden,
Choolai, Chennai-600 112.
Tamil Nadu.
E-mail: office@aksharaind.net ; aksharaegu@gmail.com

Sub: Requesting to resubmit an application with all the necessary documents to accept the Certified Compliance Report (CCR) request – Reg.

Ref: Your request letter dated 08/01/2025 to issue a Certified Compliance Report.

Sir,

This is in reference to your request letter cited in the reference above to issue the CCR for 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) & Power Plant (22 MW) at Survey No.225/1C1 and 225/1C2 Village No.9, Eguvaripalayam, Gommodipoondi Taluk, Thiruvallur District, Tamil Nadu by M/s. Akshara Industries Limited".

2. The Ministry examined the application and its supporting documents submitted by the M/s. Akshara Industries Private Limited vide dated 08/01/2025 wherein the necessary / supporting documents are lacking as per the office order vide F.No.EP/ 12.1/ 2021-22/ Misc/ 11/ TN/ 502 dated 12th April 2024 (copy attached). Further, the necessary/supporting documents which are lacking in the earlier submission vide dated 08/01/2025 are given in Annexure-1.

3. In this regard, I am directed to request you to resubmit the application with all the necessary/supporting documents as per the above-mentioned Office Order and its checklist attached herewith in order to comprehensively examine your application before the site visit.

4. The PP shall communicate all the correspondence to this office via E-mail id: rofccc1@gmail.com

This has the approval of the Competent Authority.

Enclosure: As above.

S. Pradeepkumar
25/02/2025
Dr.S.Pradeepkumar

(Scientist B)
Dr.S.Pradeepkumar

Scientist 'B'
Government of India
Regional Office

Ministry of Environment, Forest and Climate Change,
Shastri Bhawan, Haddows Road, Nungambakkam,
Chennai - 600 034, Tamil Nadu.

Annexure -I

I. The given below necessary documents are requested as per the paras 1 & 2 of Office Order vide F.No.EP/ 12.1/ 2021-22/ Misc/ 11/ TN/ 502 dated 12th April 2024 for accepting CCR request:

Sl. No.	Contents	Remarks of RO Chennai
1	Copy of ToR if the proposal is category A or B	Submitted
2	Minutes of the Meeting if the proposal is category B2.	-
3	Copy of latest Six-monthly compliance report	Not submitted

II. The given below necessary documents are requested as per the checklist of Office Order vide F.No.EP/ 12.1/ 2021-22/ Misc/ 11/ TN/ 502 dated 12th April 2024 for accepting CCR request:

Sl. No.	Contents	Remarks
1	Enclose copy of all Environmental Clearances	Submitted
2	Enclose copy of first Consent to Establish and latest Consent to Operate	Not submitted
3	Date/ Month of commencement of activity	Not submitted
4	Enclose KML file of the site	Not submitted
5	Green belt development plan with following details,	
	1. Layout showing existing and proposed plantation area	Not submitted
	2. Types of tree species existing and proposed (photographs of existing trees/ plantations)	Not submitted
	3. Approximate budget earmarked for green belt development under Environment Management Plan.	Not submitted
	4. An undertaking that the proposed plantation will be carried out	Not submitted
6	Copy of latest Monitoring reports on Ambient air, Soil, Ground water, Noise, DG set etc..	Not submitted
7	Amount earmarked for Environment Management	Not submitted
8	Numbers of Six-monthly compliance reports submitted to the Regional Office of the Ministry along with acknowledgement and copy of latest compliance report	Not submitted
9	Details of Show Cause Notice/ Direction from Pollution Control Board, if any	Not submitted
10	Details of pending Court cases, if any	Not submitted
11	Copy of newspaper advertisement about grant of EC	Not submitted
12	Website address where copy of EC, Half Yearly compliance report (HYR) and Environmental statement are uploaded.	Not submitted



भारतसरकार
GOVERNMENT OF INDIA
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
क्षेत्रीय कार्यालय/ Regional Office

1st Floor, Additional Office Block for GPOA, Shastri Bhawan, Haddows Road
Nungambakkam, Chennai - 600034; Email: roefceel@gmail.com

F.No. EP/12.1/2021-22/Misc/11/TN/ 502
Dated 12 April, 2024

OFFICE ORDER

Sub: Guidelines to be adopted for accepting applications requiring Certified Compliance Report of Environmental Clearances – reg.

In order to streamline the process of accepting documents for certified compliance report of the environmental/CRZ clearances, the following guidelines shall be adopted as follows:

1. The request should be sent by O/o MS, Ministry-IIQ (Category A projects) or O/a MS, SEIAA (Category B1 or B2 projects), if the project proponent is requesting for Certified Compliance Report, the request letter should have the copy of ToR (Category A or B) or minutes of the meeting (Category B2).
2. The latest copy of six monthly compliance report must be enclosed with request letter
 - a. If any non-compliance has been observed in the specific condition of the latest six monthly report, seek Action taken report on the non-compliances within 7-10 days for undertaking the inspection.
3. After inspection, action taken report may be sought for major non-compliances, if any before issuing the Certified Compliance report. The action taken report (ATR) should be submitted by project proponent within 30 days)
4. Certified Compliance report must ensure that compliance of all the environmental clearances/CRZ clearances issued to that project/unit since inception unless the latest clearance supersedes the earlier clearances.
5. All certified compliance report/monitoring reports to be completed before submission of next tour programme and details to be provided except in case of court cases, or any other important matter as decided as DDGF(C)
6. All the reports to be addressed to Member Secretary, SEIAA with a copy to Monitoring Cell, Ministry (IIQ), and concerned pollution control Board, Central Pollution Control Board and Project Proponent.

CBY special
Date 12/04/24 PSL
encl 001

Note: These guidelines are issued to streamline the process of accepting applications for CCR, wherein it is observed a lot of applications from project proponent have been received without any supporting documents. The checklist is also annexed.


(Dr. V. George)

Deputy Director General of Forests

(C)

To

1. All Scientists concerned

CHECK LIST

1.	Enclose copy of all Environmental Clearances	
2.	Enclose copy of first Consent to Establish and latest Consent to Operate	
3.	Date / Month of commencement of activity	
4.	Enclose KML file of the site	
5.	Green belt development plan with following details 1. Layout showing existing and proposed plantation area 2. Types of tree species existing and proposed[photographs of existing trees/ plantations 3. Approximate budget earmarked for green belt development under Environment Management Plan. 4. An undertaking that the proposed plantation will be carried out	
6.	Copy of latest Monitoring reports on Ambient air, Soil, Ground water, Noise, DG set etc.,	
7.	Amount earmarked for Environmental Management	
8.	Numbers of Six monthly compliance reports submitted to the Regional office of the Ministry along with acknowledgement and copy of latest compliance report	
9.	Details of Show Cause Notice/ Direction from Pollution Control Board, if any	
10.	Details of pending Court cases, if any	
11.	Copy of news paper advertisement	

	about grant of EC	
12.	Website address where copy of EC, Half Yearly compliance report [HYR] and Environmental statement are uploaded	

ENCLOSURE - 1

COPY OF ENVIRONMENTAL CLERANACE



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

F. No. J-11011/35/2008-IA-II (I)

Dated: July 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:
- A. SPECIFIC CONDITIONS:**
- 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/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:

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

- ii. 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.
- iii. 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.
- iv. 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.
- v. 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.
- vi. 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.
- vii. 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).
- viii. 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.
- ix. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.
- x. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions.
- xi. 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.
- xii. 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.
- xiii. 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.
- xiv. 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.
- xv. 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.

- xvi. 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.
- xvii. 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.

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

ENCLOSURE - 2

COPY OF TERMS OF REFERENCE



File No.: IA-J-11011/187/2024-IA-II(IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 24/06/2024



To,

M/s AKSHARA INDUSTRIES PRIVATE LIMITED
Survey No:225/1C1,225/1C2, Eguvarpalyam Village, Gummidipoondi Taluk and Tiruvallur District,
Tamil Nadu., Eguvarpalayam, THIRUVALLUR, TAMIL NADU, 601201
aksharaegu@gmail.com

Subject: Expansion of Sponge Iron Plant with a Secondary Steel Plant to increase Sponge Iron Production from 72,000 TPA to 1,44,000 TPA and Installation of Electric Induction Furnaces of 3x15 T for the Production of Steel Billets (SMS) 1,48,500 TPA, a Rolling Mill with a Production of 1,33,650 TPA, and the installation of a Waste Heat Recovery Power Plant (WHRB) of 10 MW by M/s. Akshara Industries Private Limited.-Grant of Standard Terms of Reference (ToR) to the proposed Project under the EIA Notification 2006-and as amended thereof-regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/TN/IND1/468204/2024 dated 18/06/2024 for grant of Terms of Reference (ToR) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) ToR Identification No.	TO24A1001TN5402230N
(ii) File No.	IA-J-11011/187/2024-IA-II(IND-I)
(iii) Clearance Type	Fresh ToR
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(a) Metallurgical Industries (ferrous and non ferrous)
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Expansion of Sponge Iron Plant with a Secondary Steel Plant to increase Sponge Iron Production from 72,000 TPA to 1,44,000 TPA and Installation of Electric Induction Furnaces of 3x15 T for the Production of Steel Billets (SMS) 1,48,500 TPA, a Rolling Mill with a Production of 1,33,650 TPA, and the installation of a Waste Heat Recovery Power Plant (WHRB) of 10 MW by M/s. Akshara

(viii) Name of Company/Organization	Industries Private Limited.
(ix) Location of Project (District, State)	AKSHARA INDUSTRIES PRIVATE LIMITED
(x) Issuing Authority	THIRUVALLUR, TAMIL NADU
(xii) Applicability of General Conditions	MoEF&CC
	NO

3. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after detailed examination hereby decided to grant Standard Terms of Reference to the instant proposal of M/s. AKSHARA INDUSTRIES PRIVATE LIMITED under the provisions of the aforementioned Notification.
4. The brief about products and by products as submitted by the Project proponent in Form-1 (Part A, B) and Standard Terms of Reference are annexed to this letter as Annexure (1).
5. The Ministry reserves the right to stipulate additional TORs, if found necessary.
6. The Standard Terms of Reference (ToR) to the aforementioned project is under provisions of EIA Notification, 2006 and as amended thereof. It does not tantamount to approvals/consent/permissions etc required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
7. The granted letter, all the documents submitted as a part of application viz. Form-1 Part A and Part B are available on PARIVESH portal which can be accessed by scanning the QR Code above.
8. It is requested that the draft EIA/EMP Report may be prepared in accordance with the above-mentioned specific ToRs and enclosed generic ToRs and additional ToRs for obtaining Environment Clearance in accordance with the procedure prescribed under the EIA Notification, 2006, as amended from time to time.
9. The ToRs are valid for a period of four years from date of issue of this letter as per the Ministry's Notification S.O. 751 (E) dated 17/02/2020.

(Dr. R. B. Lal)
Scientist F'/Director
 Email: rb.lal@nic.in
 Tele.: 011-20819346

Copy To

1. The Principal Secretary to Government, Environment and Forest Department, Government of Tamil Nadu, Secretariat, Chennai- 600009.
2. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
3. The Principal Chief Conservator of Forests &HoFF, Department of Forests, Government of Tamil Nadu , No. 1, Jeenis Road, Panagal Maligai Building, Saidapet, Chennai – 600015
4. Deputy Director General of Forests (C),
 Ministry of Environment, Forest and Climate Change, Integrated Regional Office, 1st Floor, Additional Office Block for GPOA, Shastri Bhawan, Haddows Road, Nungambakkam, Chennai – 600006.
5. The Member Secretary, Central Pollution Control Board, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi- 110 032.
6. The Member Secretary, Tamil Nadu, Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032.
7. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi - 110001

8. The District Collector, Thiruvallur, Tamil Nadu.
9. Director, IA CMD, Ministry of Environment, Forest and Climate Change, New Delhi
10. Guard File/Record File/Monitoring File/MoEFCC website/Parivesh Portal.

(Dr. R. B. Lal)
Scientist F/Director

Annexure I

Standard Terms of Reference

1. Preliminary requirements

S. No..	Terms of Reference
1.1	EIA/EMP report cover page shall consists of project title with location, applicable schedule of the EIA Notification, 2006, ToR letter No. with date, study period along with EIA consultant & laboratory details with QCI/NABET/NABL accreditation certificate detail.
1.2	Besides, following points shall be compiled as per QCI/NABET norms: a. Disclaimer by the EIA consultant. b. Declaration by the Functional Area Experts contributed to the EIA study and declaration by the head of the accredited consultant organization/authorized person. c. Undertaking by the project proponent owning the contents (information and data) of the EIA/EMP report. d. Undertaking by the EIA consultant regarding compliance of ToR issued by MoEF&CC. e. Consultant shall submit the Plagiarism Certificate for the EIA/EMP Report.

2. Executive Summary

S. No..	Terms of Reference
2.1	Table of Contents of the EIA report including list of tables/figures/annexures/abbreviations/symbols/notations.
2.2	Point wise compliance to the ToR issued by MoEF&CC.

3. Executive Summary

3.1. Introduction

S. No..	Terms of Reference
3.1.1	Name of the project along with applicable schedule and category as per EIA, 2006.
3.1.2	Location and accessibility

4. Executive Summary

4.1. Project description

S. No..	Terms of Reference
4.1.1	Resource requirements (Land, water, fuel, manpower)
4.1.2	Operational activity
4.1.3	Key pollution concerns

5. Executive Summary

5.1. Baseline Environment Studies

S. No..	Terms of Reference
5.1.1	Ambient air quality
5.1.2	Ambient Noise quality
5.1.3	Traffic study
5.1.4	Surface water quality
5.1.5	Ground water quality
5.1.6	Soil quality
5.1.7	Biological Environment
5.1.8	Land use
5.1.9	Socio-economic environment

6. Executive Summary

6.1. Anticipated impacts

S. No..	Terms of Reference
6.1.1	Impact on ambient air quality
6.1.2	Impact on ambient noise quality
6.1.3	Impact on road and traffic
6.1.4	Impact on surface water resource and quality
6.1.5	Impact on ground water resource and quality
6.1.6	Impact on terrestrial and aquatic habitat
6.1.7	Impact on socio-economic environment

7. Executive Summary

7.1. Alternative analysis

S. No..	Terms of Reference
7.1.1	

8. Executive Summary

8.1. Environmental Monitoring program

S. No..	Terms of Reference
8.1.1	Ambient air, noise, water and soil quality
8.1.2	Noise quality management plan
8.1.3	Emission and discharge from the plant
8.1.4	Green Belt
8.1.5	Social Parameters

9. Executive Summary

9.1. Additional Studies

S. No..	Terms of Reference
9.1.1	Risk assessment
9.1.2	Public consultation
9.1.3	Action plan to address the issues raised during public consultation as per MoEF&CC O.M. dated 30/09/2020

10. Executive Summary

10.1. Environment management plan

S. No..	Terms of Reference
10.1.1	Air quality management plan
10.1.2	Solid and hazardous waste management plan
10.1.3	Effluent management plan
10.1.4	Storm water management plan
10.1.5	Occupational health and safety management plan

S. No..	Terms of Reference
10.1.6	Green belt development plan
10.1.7	Socio-economic management plan
10.1.8	Project cost and EMP implementation budget.

11. Introduction

S. No..	Terms of Reference
11.1	Background about the project
11.2	Need of the project
11.3	Purpose of the EIA study
11.4	Scope of the EIA study

12. Project description

12.1. Site Details

S. No..	Terms of Reference
12.1.1	Location of the project site covering village, Taluka/Tehsil, District and State.
12.1.2	Site accessibility
12.1.3	A digital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).
12.1.4	Latest High-resolution satellite image data having 1 m - 5 m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100 m all around the project location.
12.1.5	Environment settings of the site and its surrounding along with map.
12.1.6	A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area map.
12.1.7	In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.
12.1.8	In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated

S. No..	Terms of Reference
	14/02/2022.
12.1.9	In case of canal/ nala/ seasonal drain and any other water body passing through project site, the PP shall submit the suitable steps /conservation plan/mitigation measures along with contouring, Run -off calculations, disposal etc. A robust and full proof Drainage Conservation scheme to protect the natural drainage/water bodies and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be provided in the report.
12.1.10	Type of land, land use of the project site needs to be submitted.
12.1.11	Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.
12.1.12	Project proponent shall prepare Engineering layout plan showing all internal roads minimum 6 m width and 9 m turning radius for smooth traffic flow inside including fire tender as per NBC. Road network shall connect all service areas in layout. This drawing shall include area statement showing plot area, area under roads, parking, green belt with calculations and % with respect to plot area of project site and proper indexing. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
12.1.13	Project proponent shall submit contour map of project site along with drainage disposal system with calculations and drawings supported with proper indexing including Rain Water Harvesting details with calculations mentioning about GW recharge along with relevant drawing.
12.1.14	A detailed report covering all aspects of Fire Safety Management and Fire Emergency Plan shall be submitted.
12.1.15	Details of drone survey for the site, needs to be included in report and presented before the EAC during appraisal of the project.

13. Project description

13.1. Forest and wildlife related issues (if applicable)

S. No..	Terms of Reference
13.1.1	Status of Forest Clearance for the use of forest land shall be submitted.
13.1.2	Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10 km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.
13.1.3	The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.
13.1.4	Wildlife Conservation Plan duly authenticated by the Competent Authority of the State Government for conservation of Schedule I fauna along with budget and action plan, if any exists in the study area.

14. Project description

14.1. Salient features of the project

S. No..	Terms of Reference
14.1.1	Products with capacities in Tons per Annum for the proposed project.
14.1.2	If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.
14.1.3	Site preparatory activities.
14.1.4	List of raw materials required and their source along with mode of transportation.
14.1.5	Other than raw materials, other chemicals and materials required with quantities and storage capacities.
14.1.6	Manufacturing process details along with process flow diagram of proposed units.
14.1.7	Consolidated materials and energy balance for the project.
14.1.8	Total requirement of surface/ ground water and power with their respective sources, status of approval.
14.1.9	Water balance diagram
14.1.10	Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.
14.1.11	Man-power requirement.
14.1.12	Cost of project and scheduled time of completion.
14.1.13	In case of expansion projects, project proponent shall submit structural stability certificate showing whether existing structure withstand for proposed expansion activity.
14.1.14	Brief on present status of compliance (Expansion/modernization proposals) a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out. b. Cumulative Impact Assessment need to be carried out by greenfield projects considering the nearby industries. c. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next two years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source. d. Copy of all the Environment Clearance(s) including Amendments/validity of extension/transfer of EC, there to obtained for the project from MoEF&CC/SEIAA shall be attached as Annexures. A Certified Compliance Report (CCR) of the Integrated Regional Office of the Ministry of Environment, Forest and Climate Change/ or concerned authority as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided. A Certified Compliance Report (CCR) issued by the concerned Authority shall be valid for a period of one year from the date of inspection. e. In case the existing project has not obtained Environment Clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. A proper justification needs to be submitted along with documentary proof. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 1994 or 2006, CTE and CTO of FY 2005-2006) obtained from the

S. No..	Terms of Reference
	SPCB shall be submitted. Further, compliance report to the conditions of CTO from the Regional Office of the SPCB shall be submitted, as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022. CCR on CTO conditions issued by the concerned SPCBs/PCCs shall be valid for a period of one year from the date of inspection of the project.

15. Description of the Environment

S. No..	Terms of Reference			
15.1	Study period			
15.2	Approach and methodology for data collection as furnished below			
	Attributes	Network	Sampling Frequency	Remarks
	Air Environment Micro-Meteorological • Wind speed (Hourly) • Wind direction • Dry bulb temperature • Wet bulb temperature • Relative humidity • Rainfall • Solar radiation • Cloud cover • Environmental • Lapse Rate	Minimum 1 site in the project impact hourly continuous area		IS 5182 Part 1-20 • Site specific primary data is essential • Secondary data from IMD, New Delhi • CPCB guidelines to be considered.
	Pollutants • PM10 • SO2 • NOx • CO • HC • Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards, CPCB Notification.	• Sampling as per CPCB guidelines • Collection of AAQ data (except in monsoon season) • Locations of various stations for different parameters should be related to the characteristic properties of the parameters. • The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant

S. No..	Terms of Reference
	wind direction, population zone and sensitive receptors including reserved forests, - Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report. Noise Hourly equivalent noise levels At least 8-12 locations s per CPCB norms Water Parameters for water quality - pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity - Total nitrogen, total phosphorus, DO, BOD, COD, Phenol - Heavy metals - Total coliforms, faecal coliforms - Phyto plankton - Zoo plankton For River Bodies - Total Carbon - pH - Dissolved Oxygen - Biological Oxygen Demand - Free NH₄ - Boron IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents Standard methods for examination of water and wastewater analysis published by American Public Health Association Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies - Yield of water sources to be measured during critical season Standard methodology for collection of surface water (BIS standards)

S. No..	Terms of Reference
	• Sodium Absorption Ratio • Electrical Conductivity For Ground Water Traffic Study Type of vehicles • Frequency of vehicles for transportation of materials • Additional traffic due to proposed project Land Environment Soil • Particle size distribution • Texture • pH • Electrical conductivity • Cation exchange capacity • Alkali metals • Sodium Absorption Ratio (SAR) • Permeability • Water holding capacity • Porosity Soil samples be collected as per BIS specifications Land use/Landscape • Location code • Total project area • Topography • Drainage (natural) Cultivated, forest plantations, water bodies, roads and settlements Biological Environment 1. Aquatic • Detailed description of flora and fauna (terrestrial and aquatic)

S. No..	Terms of Reference
	• Primary productivity • Aquatic weeds • Enumeration of phyto plankton, zoo plankton and benthos • Fisheries • Diversity indices • Trophic levels • Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes socio-economic Demographic structure • Infrastructure resource base • Economic resource base • Health status: Morbidity pattern • Cultural and aesthetic attributes. • Education existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. • Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature. Socio-economic survey is based on proportionate, stratified and random sampling method. • Primary data collection through questionnaire • Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies Approach and methodology for data collection as furnished below

S. No..	Terms of Reference		
	Attributes	Sampling Network Frequency	Remarks
	Air Environment Micro-Meteorological • Wind speed (Hourly) • Wind direction • Dry bulb temperature • Wet bulb temperature • Relative humidity • Rainfall • Solar radiation • Cloud cover • Environmental • Lapse Rate Pollutants • PM10 • SO2 • NOx • CO • HC • Other parameters relevant to the project and topography of the area	Minimum 1 site in the project impact area hourly continuous At least 8-12 locations As per National Ambient Air Quality Standards, CPCB Notification.	IS 5182 Part 1-20 • Site specific primary data is essential • Secondary data from IMD, New Delhi • CPCB guidelines to be considered. • Sampling as per CPCB guidelines • Collection of AAQ data (except in monsoon season) • Locations of various stations for different parameters should be related to the characteristic properties of the parameters. • The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, • Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations

S. No..	Terms of Reference
	should be provided as an annexure to the EIA Report. Noise Hourly equivalent noise levels At least 8-12 locations s per CPCB norms Water Parameters for water quality • pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity • Total nitrogen, total phosphorus, DO, BOD, COD, Phenol • Heavy metals • Total coliforms, faecal coliforms • Phyto plankton • Zoo plankton For River Bodies • Total Carbon • pH • Dissolved Oxygen • Biological Oxygen Demand • Free NH₄ • Boron • Sodium Absorption Ratio • Electrical Conductivity For Ground Water Traffic Study Type of vehicles • Frequency of vehicles for Land Environment transportation of materials Samples for water quality should be collected and analyzed as per: • IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents • Standard methods for examination of water and wastewater analysis published by American Public Health Association Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies • Yield of water sources to be measured during critical season • Standard methodology for collection of surface water (BIS standards) Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.

S. No..	Terms of Reference
	• Additional traffic due to proposed project Soil • Particle size distribution • Texture • pH • Electrical conductivity • Cation exchange capacity • Alkali metals • Sodium Absorption Ratio (SAR) • Permeability • Water holding capacity • Porosity Land use/Landscape • Location code • Total project area • Topography • Drainage (natural) Cultivated, forest, plantations, water bodies, roads and settlements Biological Environment 1. Aquatic • Primary productivity • Aquatic weeds • Enumeration of phyto plankton, zoo plankton and benthos • Fisheries • Diversity indices • Trophic levels • Rare and endangered species • Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. • Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published Soil samples be collected as per BIS specifications

S. No..	Terms of Reference
	• Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) literature. 2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes socio-economic Demographic structure • Infrastructure resource base • Economic resource base • Health status: Morbidity pattern • Cultural and aesthetic attributes. • Education Socio-economic survey is based on proportionate, stratified and random sampling method. • Primary data collection through questionnaire • Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies
15.3	Interpretation of each environment attribute shall be enumerated and summarized as given below: • Ambient air quality • Ambient Noise quality • Surface water quality • Ground water quality • Soil quality • Biological Environment • Land use • Socio-economic environment
15.4	The PP should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs which will analyze the samples.

16. Anticipated Environment Impacts and mitigation measures (In case of expansion, cumulative impact assessment shall be carried out)

S. No..	Terms of Reference												
16.1	Identification of potential impacts in the form of a matrix for the construction and operation phase for all the environment components <table><tr><th>Activity</th><th>Environment</th><th>Ecological</th><th>Socio-economic</th></tr><tr><td>Construction phase</td><td></td><td></td><td></td></tr><tr><td>Operation phase</td><td></td><td></td><td></td></tr></table>	Activity	Environment	Ecological	Socio-economic	Construction phase				Operation phase			
Activity	Environment	Ecological	Socio-economic										
Construction phase													
Operation phase													
16.2	Impact on ambient air quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase • Details of stack emissions from the existing as well as proposed activity. • Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period • Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.												
16.3	Impact on ambient noise quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												
16.4	Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												
16.5	Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												
16.6	Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												
16.7	Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												
16.8	Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												
16.9	Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												
16.10	Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												
16.11	Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												

17. Analysis of Alternatives (Technology & Site)

S. No..	Terms of Reference
17.1	No project scenario
17.2	Site alternative

S. No..	Terms of Reference
17.3	Technical and social concerns
17.4	Conclusion

18. Environmental Monitoring Program

S. No..	Terms of Reference																		
18.1	Details of the Environment Management Cell																		
18.2	Performance monitoring schedule for all pollution control devices shall be furnished.																		
18.3	Corporate Environment Policy a. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report. b. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environment or forest norms / conditions? If so, it may be detailed in the EIA. c. What is the hierarchical system or Administrative order of the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given. Page 9 of 10 d. Does the company have system of reporting of non compliances / violations of environment norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report																		
18.4	Action plan for post-project environment monitoring matrix: <table><tr><th>Activity</th><th>Aspect</th><th>Monitoring Parameter</th><th>Location</th><th>Frequency</th><th>Responsibility</th></tr><tr><td colspan="6">Construction phase</td></tr><tr><td colspan="6">Operation phase</td></tr></table>	Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility	Construction phase						Operation phase					
Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility														
Construction phase																			
Operation phase																			

19. Additional Studies

S. No..	Terms of Reference
19.1	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage after offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.
19.2	Details of adoption/ implementation status/plan to achieve the goal of Glasgow COP26 Climate Submit with regard to enhance the non-fossil energy, use of renewable energy, minimization of net carbon emission and carbon intensity with long-term target of "net Zero" emission.

S. No..	Terms of Reference																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
19.3	Implementation status/measures adopted for avoiding the generation of single used plastic waste.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
19.4	In cases the project is located in Critically and Severely Polluted Areas, additional mitigation measures adopted and detailed action plan to be submitted in the EIA/EMP Report as per MoEF&CC O.M. No. 22-23/2028-IA.III dated 31/10/2019 and MoEF&CC O.M. No. 22-23/2028-IA.III dated 5/07/2022 has to be submitted.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
19.5	Public consultation details (Entire proceedings as separate annexure along with authenticated English Translation of Public Consultation proceedings).																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
19.6	As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration. In this regard, time bound action plan as per the MoEF&CC Office Memorandum dated 30/09/2020 shall be submitted.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
19.7	Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020 <table><tr><th rowspan="2">S.No</th><th rowspan="2">Name of the Physical Activity</th><th rowspan="2">Physical activity and action plan of the Physical Targets</th><th colspan="3">Year of implementation (Budget in INR)</th><th rowspan="2">Total Expenditure (Rs. in Crores)</th></tr><tr><th>1st</th><th>2nd</th><th>3rd</th></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> 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20. Project Benefits

S. No..	Terms of Reference
20.1	Environment benefits
20.2	Social infrastructure
20.3	Employment and business opportunity
20.4	Other tangible benefits

21. Environment Cost Benefit Analysis

S. No..	Terms of Reference
21.1	Net present value
21.2	Internal rate of return
21.3	Benefit cost ratio
21.4	Cost effectiveness analysis

22. Environment Management Plan (Construction and Operation phase)

S. No..	Terms of Reference
22.1	Action plan for hazardous waste management
22.2	Action plan for solid waste management
22.3	Action plan for e-waste management.
22.4	Action plan for plastic waste management, considering the Plastic Waste Management Rules 2016.
22.5	Action plan for construction and demolition waste management.
22.6	Rain water harvesting plan
22.7	Plan for maximum usage of waste water/treated water in the Unit
22.8	Green belt development plan: An action plan for Green Belt development consisting of 3 tiers of plantations of native species all along the periphery of the project of adequate width shall be raised in 33% of total area with a tree density shall not less than 2500 per ha within a time frame of one year shall be submitted. Survival rate of green belt shall be monitored on periodic basis to ensure that survival rate not be less than 80 %.
22.9	Wildlife conservation plan (In case of presence of schedule I species)
22.10	Total capital cost and recurring cost/annum for environment pollution control measures shall be included.
22.11	Explore possibilities for recycling and reusing of treated water in the unit to reduce the freshwater demand and waste disposal.
22.12	An Action Plan for improving the house-keeping activities in the raw material handling area need to be submitted
22.13	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
22.14	Action plan to limit the dust emission from all the stacks below 30 mg/Nm ³ shall be furnished.
22.15	Action plan for fugitive emission control in the plant premises shall be provided.

Standard Terms of Reference for conducting Environment Impact Assessment Study for Metallurgical Industries (ferrous and non ferrous) and information to be included in EIA/EMP report

1.

Sr. No.	Terms of Reference
1.1	A 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
1.2	Plan for the implementation of the recommendations made for the proposed Unit in the Corporate Responsibility for Environmental Protection (CREP) guidelines.
1.3	Plan for solid wastes utilization.
1.4	Plan for utilization of energy in off gases (coke oven, blast furnace)
1.5	System of coke quenching adopted with full justification.
1.6	Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
1.7	Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
1.8	Details on toxic content using Toxicity Characteristic Leaching Procedure (TCLP), composition and end use of slag.
1.9	100 % dolo char generated in the plant shall be used to generate power.
1.10	Fourth Hole fume extraction system shall be provided for SAF. WHR system shall be installed to recover sensible heat from flue gases of EAF. Provision for installation of jigging and briquetting plant to utilise the fines generated in the process.
1.11	No tailing pond is permitted for Iron ore slimes. Dewatering and filtration system shall be provided.
1.12	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be submitted.
1.13	Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm ³ shall be furnished.
1.14	Action plan for 100 % solid waste utilization shall be submitted.
1.15	PM (PM ₁₀ and P _{2.5}) present in the ambient air must be analysed for source analysis – natural

Sr. No.	Terms of Reference
	dust/RSPM generated from plant operations (trace elements) of PM10 to be carried over.
1.16	Iron ore/coal linkage documents along with the status of environment clearance of iron ore and coal mines, if applicable.
1.17	Quantum of production of coal and iron ore from coal & iron ore mines and the projects they cater to. Mode of transportation to the plant and its impact, if applicable.
1.18	Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials, if applicable.

Additional Terms of Reference

1. This TOR is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
2. This TOR is granted to the project/ activity based on the information submitted by the PP. This Standard TOR is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
3. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the TOR, if any of the information submitted by is found incorrect and misleading.
4. Concealing factual data or submission of false/fabricated data and failure to comply with any of the provisions of the Rules may result in withdrawal of this TOR and attract action under the provisions of the Environment (Protection) Act, 1986.

Annexure 2

Details of Products & By-products

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
Sponge Iron	Product	72000	72000	144000	Tons per Annum (TPA)	Road	One more unit of 200 TPD to be installed For Sponge Iron additional production of 72,000 TPA.
Steel Billets (SMS)	Product	0	148500	148500	Tons per Annum (TPA)	Road	New units – 3 X 15 T Electrical Induction Furnace (10 heats/day)

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
Rolling Mills (Rebar cum Wire Rod Mill)	Product	0	133650	133650	Tons per Annum (TPA)	Road	New Rolling mill to be installed.
WHRB Power Plant	Product	0	10	10	Mega Watt (MW)	-	Capacities: 2 X 10TPH + 1 X 20TPH Boilers with 10 MW Turbine.



ANNEXURE I

COPY OF ENVIRONMENTAL CLEARANCE



**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 II
CONSENT TO ESTABLISH (CTE)
and
CONSENT TO OPERATE (CTO)

RED



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

REF: 1. Proceedings No. T2/TNPGB/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

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

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.

J JOSEPHINE SAHAYA RANI

Digitally signed by J SONGTINE SAIGUYS BANN
DN: cn=D. GANN, EMAIL=POLICE@TINCE.COM, SERIAL=0001, ou=CHINA
2.5.4.30.0.1.145.30.11133.0.1/serial=0001, cn=D. GANN, ou=CHINA, postalCode=400033,
st=ZhangNan, serialNumber=7087504628F1E7E13AC40B13240877834F0210806040A080E7A1C3E45
cn=J SONGTINE SAIGUYS BANN
Date: 2021.03.13 12:20:01 +08'00'

**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 Nm ³ /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=STATE NADU POLLUTION CONTROL BOARD, ou=CHENNAI,
2.5.4.20=J JOSEPHINE SAHAYA RANI, email=J JOSEPHINE SAHAYA RANI@TNPCB.GOV.IN,
st=Tamil Nadu, serialNumber=J JOSEPHINE SAHAYA RANI, postalCode=600002,
ur=J JOSEPHINE SAHAYA RANI
Date: 2023.05.21 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
-

RED



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

**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 TNPB & 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:

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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TAMILNADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. : 2734

DATED : 18/07/2004

Proceedings No. : T2/TNPCB/F.NO.3536/TVLR/RI/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
MESSERS AKSHARA INDUSTRIES LIMITED,
R.S.NO.225/1C1, 225/1C2,
EGUMARIPALAYAM VILLAGE,
GUMMIDIPPOondi 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,
EGUMARIPALAYAM VILLAGE,
GUMMIDIPPOondi 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. Mahalingam
29/7/04
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, TNPCC,

THIRUVALLUR

Copy to : The Commissioner / Executive Officer,
CURRIDIPOONDI 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
2. BELT CONVEYOR

MECHANICAL SEAL ARRANGEMENTS AND COOLER
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 FINE'S 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. Mahalingam
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 AMY 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. Mahalingam
23/7/04
For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

TAMIL NADU POLLUTION CONTROL BOARD

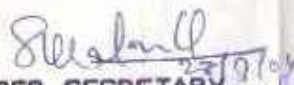
CONSENT ORDER ESTABLISHMENT AIR NO.2734

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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(This document contains __ Pages)

TAMILNADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. : 2786

DATED : 18/07/2004

Proceedings No. : T2/TWPCB/F.NO.3536/TLR/RL/V/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 : TWPC Board - Consent for establishment
MESSRS AKSHARA INDUSTRIES LIMITED,
R.S.NO.225/1C1, 225/1C2,
EGUVARIPALAYAM VILLAGE,
GUMMIDIPONDY 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.JEE/TWPCB/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,
GUMMIDIPONDY 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.

Shankar
23/7/04
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,
ARANA 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,

GURADIPONDY 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

- 9 -

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.

-5-

16. Following location specific conditions must be satisfied :

—

17. The following process specific conditions must be satisfied :

—

(Continued in Annexure-I)

S. Mahalingam
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.


23/7/04

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/lime stone unloading, stacking and handling operations. The raw materials shall be stored only in a 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 spent 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.

S. Mahalingam
25/7/04
for MEMBER SECRETARY,
TNPC BD., CHENNAI-32.

TAMIL NADU POLLUTION CONTROL BOARD

CONSENT ORDER ESTABLISHMENT WATER NO.2786

ANNEXURE-I

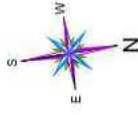
SEWAGE

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

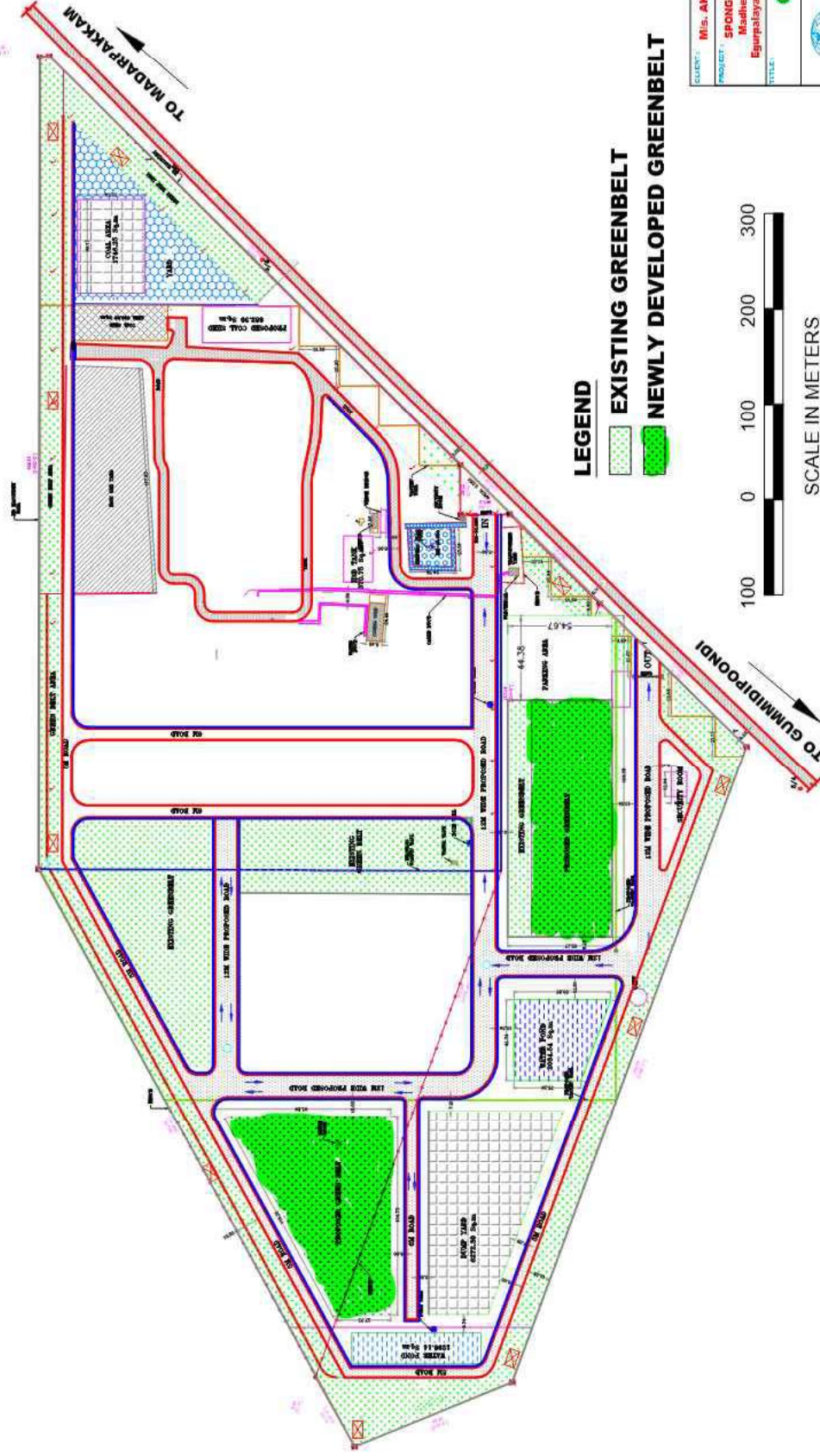
S. M. S. S.
20/10/07
for MEMBER SECRETARY,
TNPC BD., CHENNAI-32.

ANNEXURE IV A
LAYOUT SHOWING EXISTING PLANTATION AREA

NORTH DIRECTION



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



LEGEND
EXISTING GREENBELT
NEWLY DEVELOPED GREENBELT



SCALE IN METERS

CLIENT: M/s. AKSHARA INDUSTRIES PRIVATE LIMITED
PROJECT: SPONGE IRON WITH SECONDARY STEEL PLANT
Kadheripakkam Villages, Gummidiipondal Road,
Egumalaiyam Mandal, Thiruvallur District, Tamil Nadu.
TITLE: GREENBELT MAP



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

ANNEXURE - IVB

Green Belt Development

Photographs of existing trees/plantations

GREEN BELT DEVELOPMENT

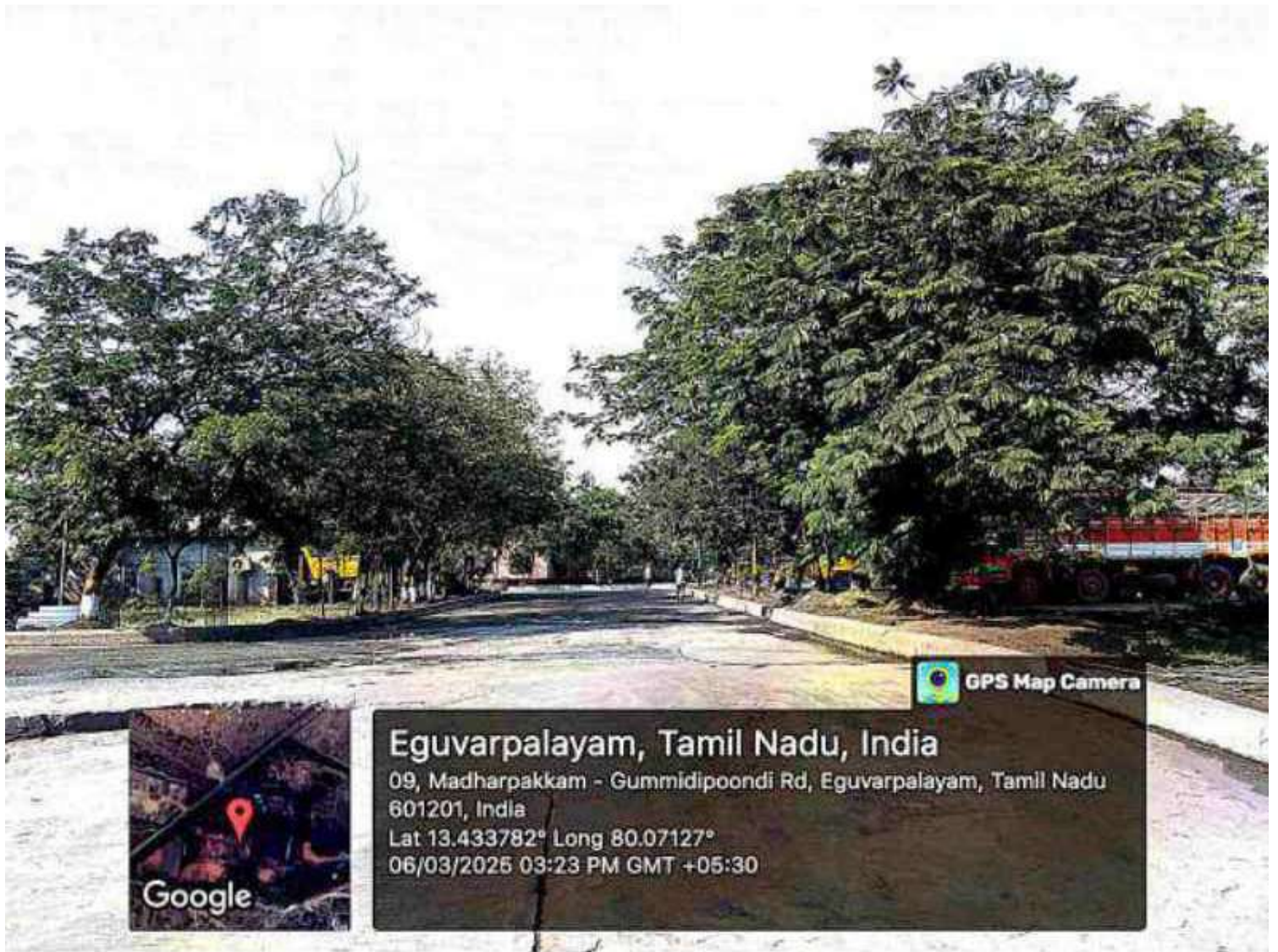
SLNO.	DESCRIPTION	Quantity
1	Total Area	15.49 ha
2	Developed Green Belt land area	5.4 ha - 35%
3	Trees Developed Existing	6000 Nos.
4	Newly Tress Planted in March 2024	1680 Nos.
5	Total Trees Developed	7680 Nos.

GREEN BELT AREA COVERING DIRECTION

SLNO.	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° 4'8.11"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° 4'8.11"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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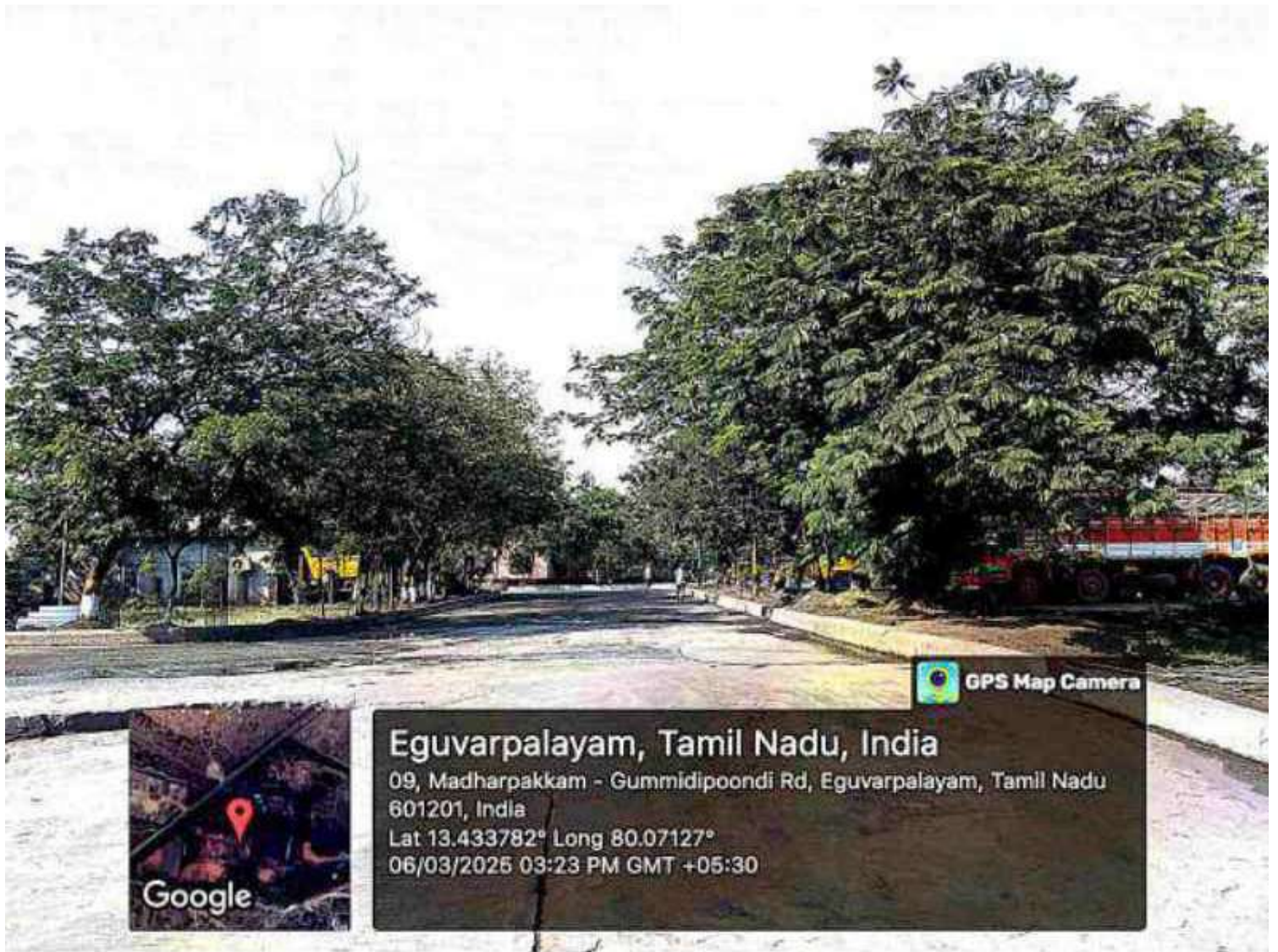
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601201, India

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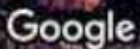


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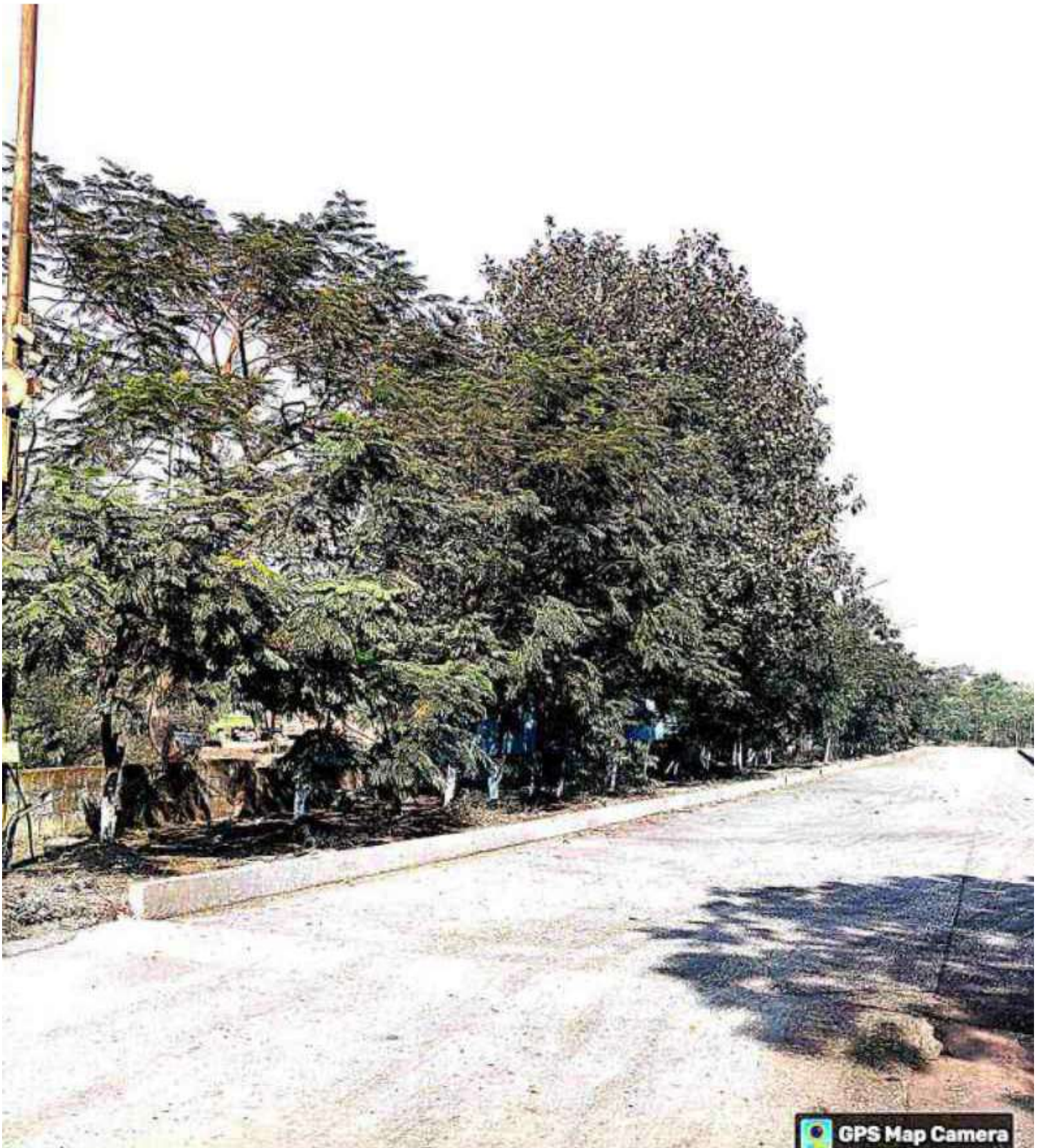
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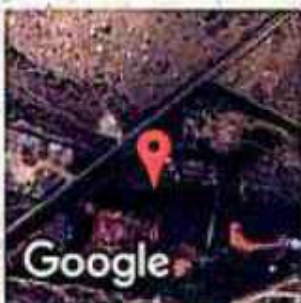
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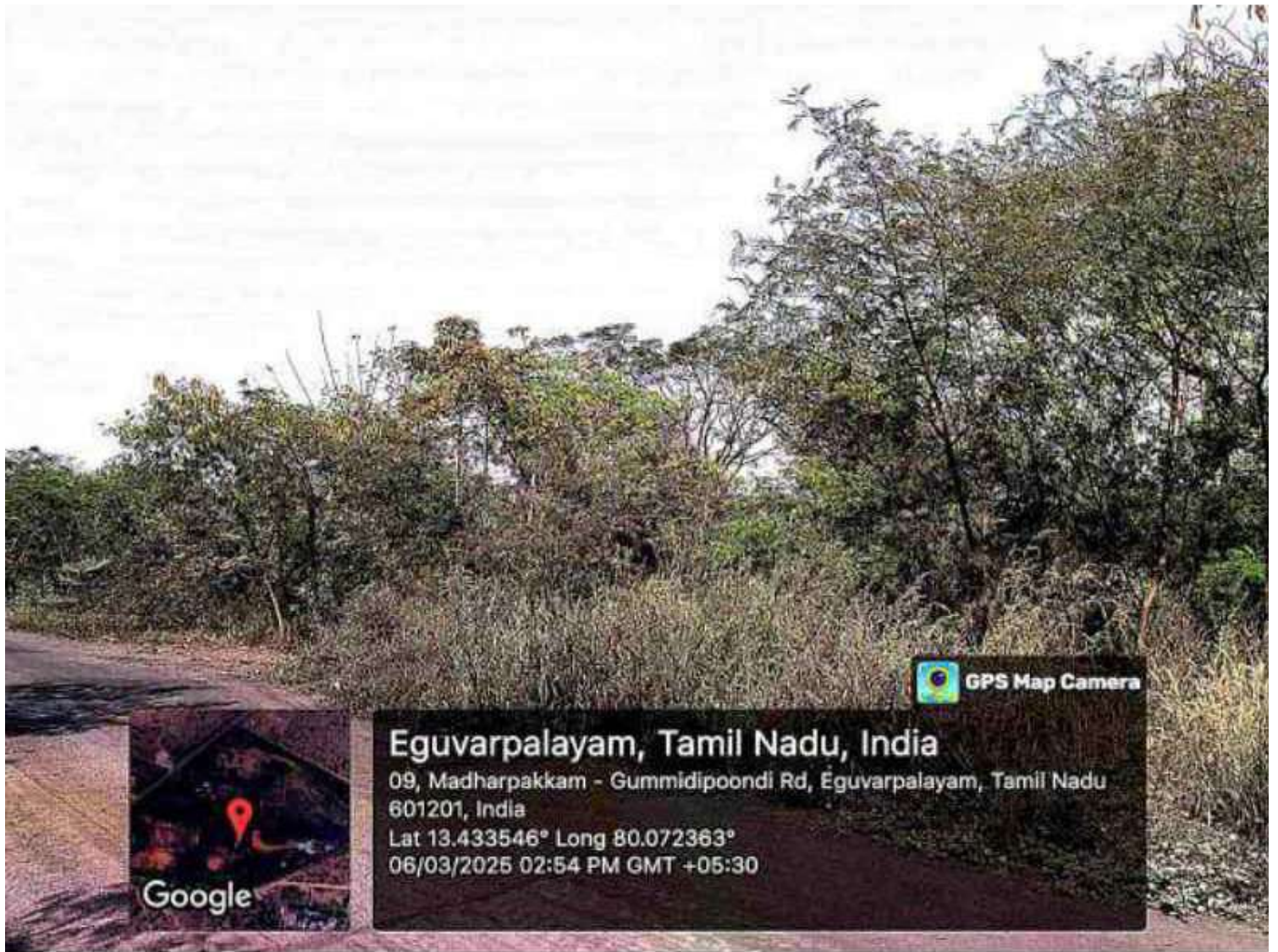


Eguvarpalayam, Tamil Nadu, India

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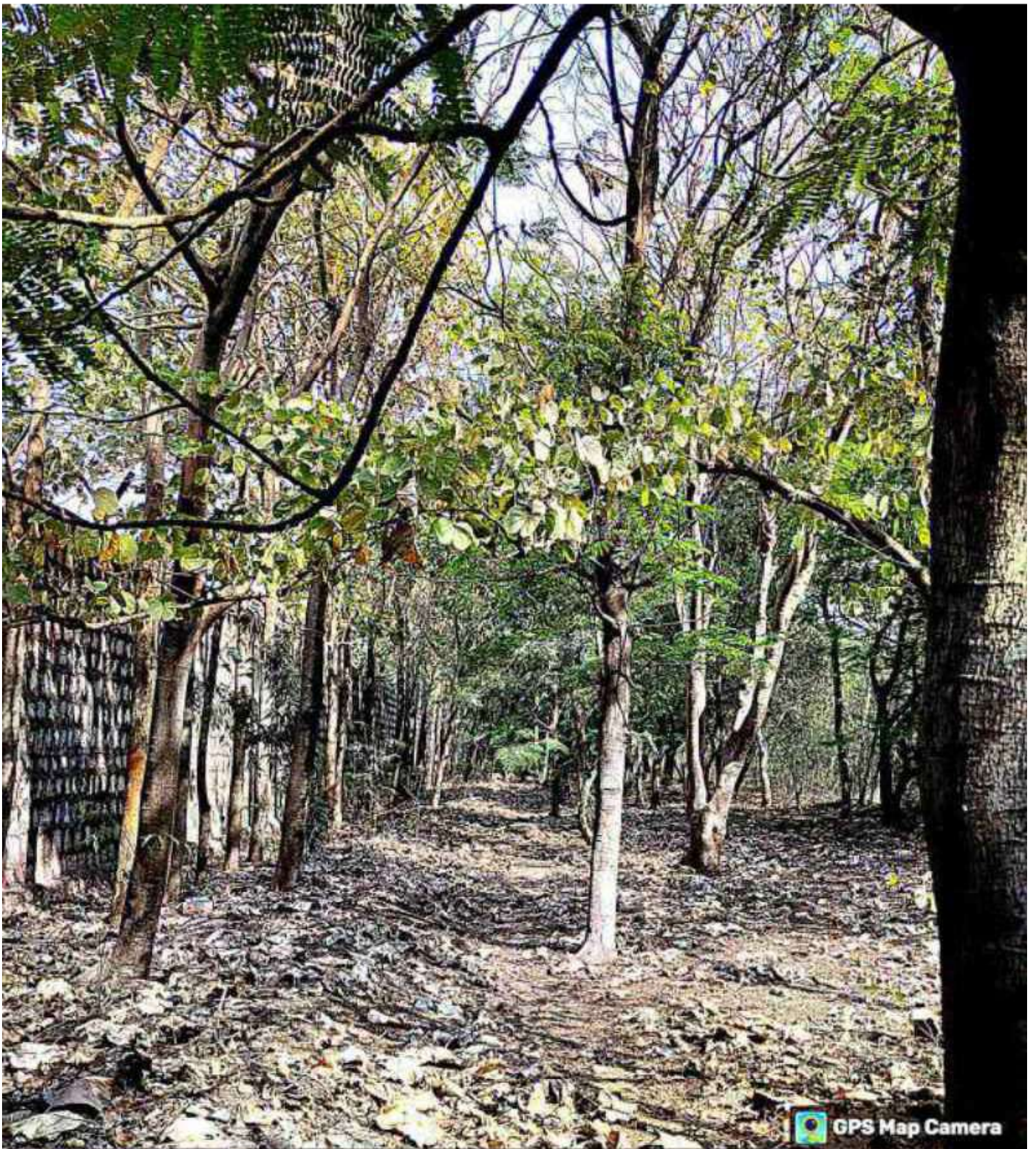
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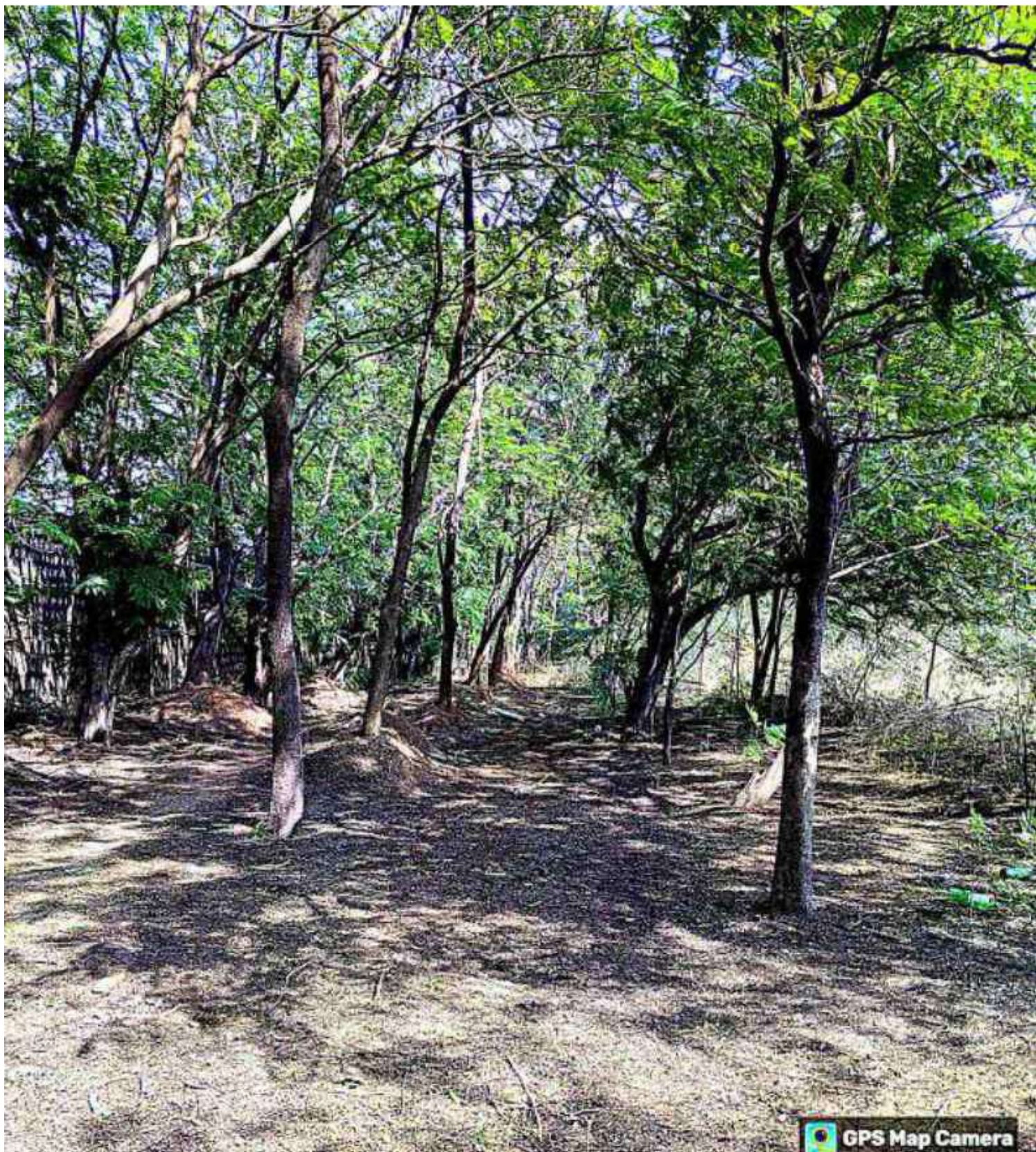
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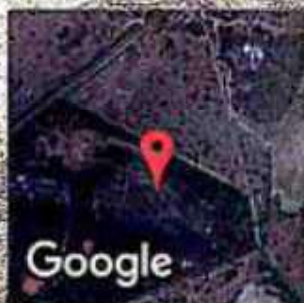
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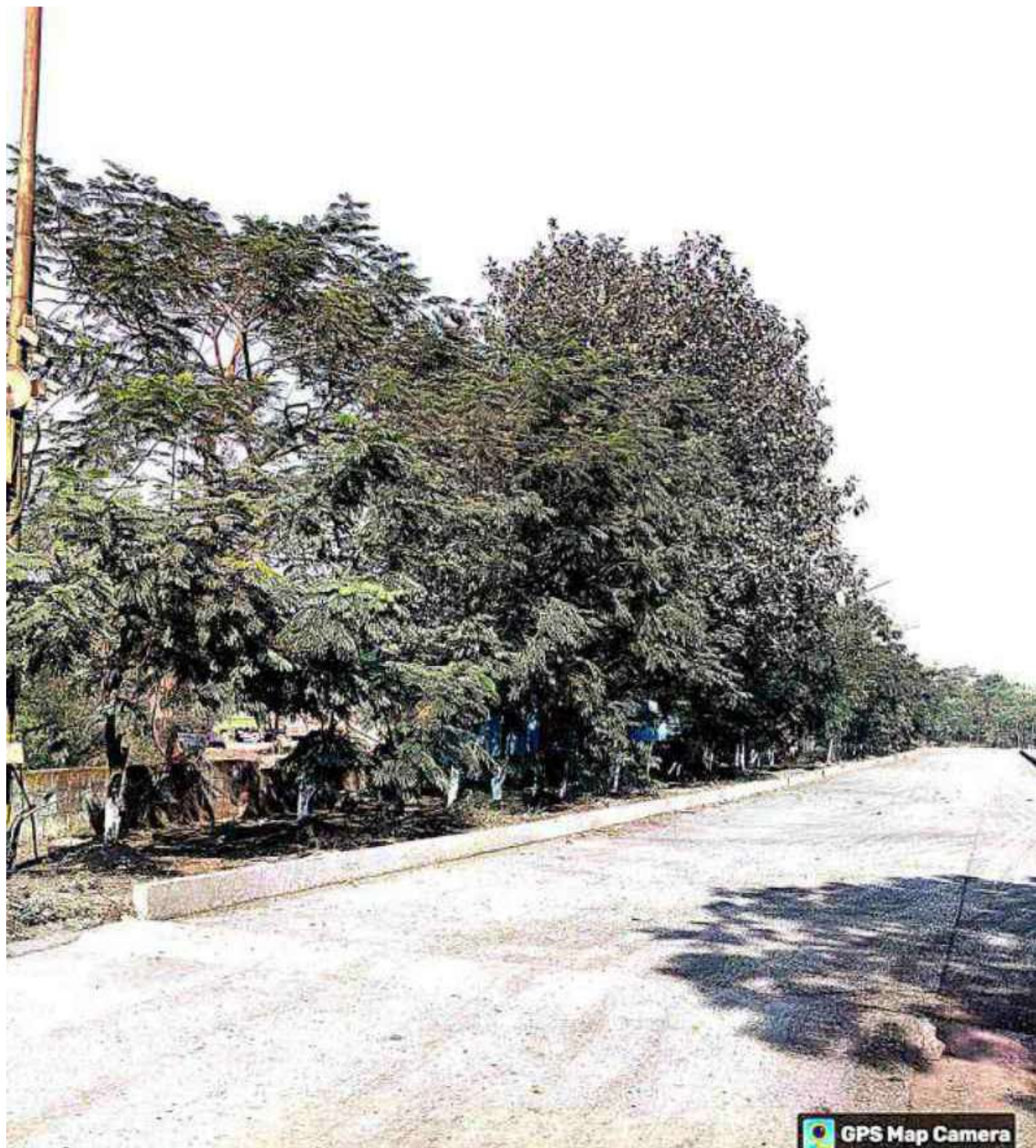


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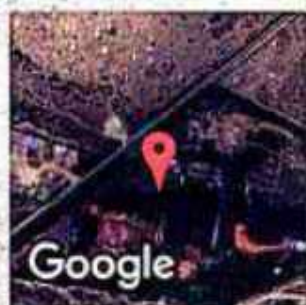
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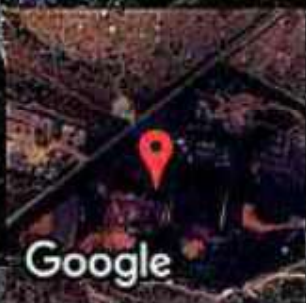
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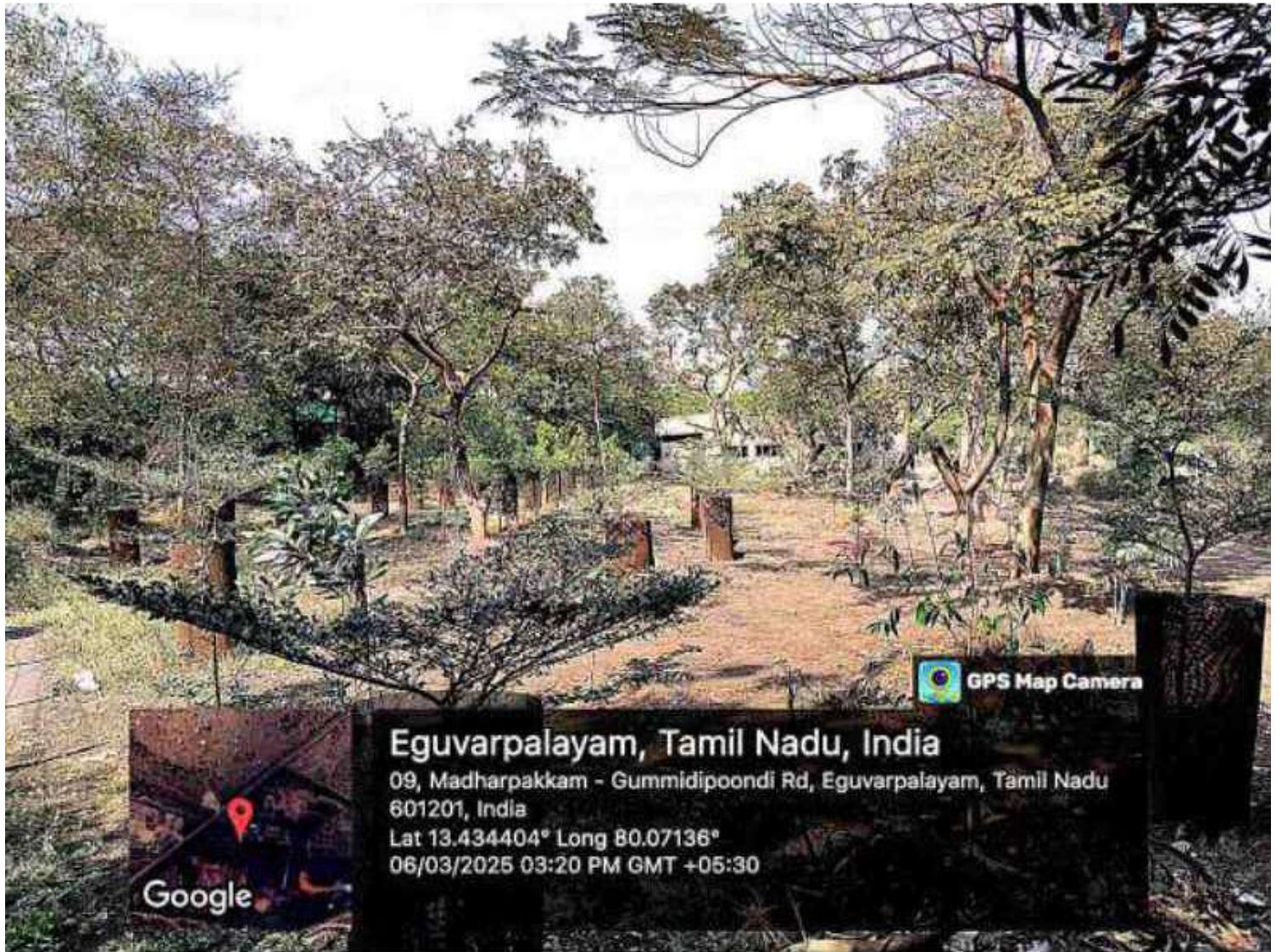


Eguvarpalayam, Tamil Nadu, India

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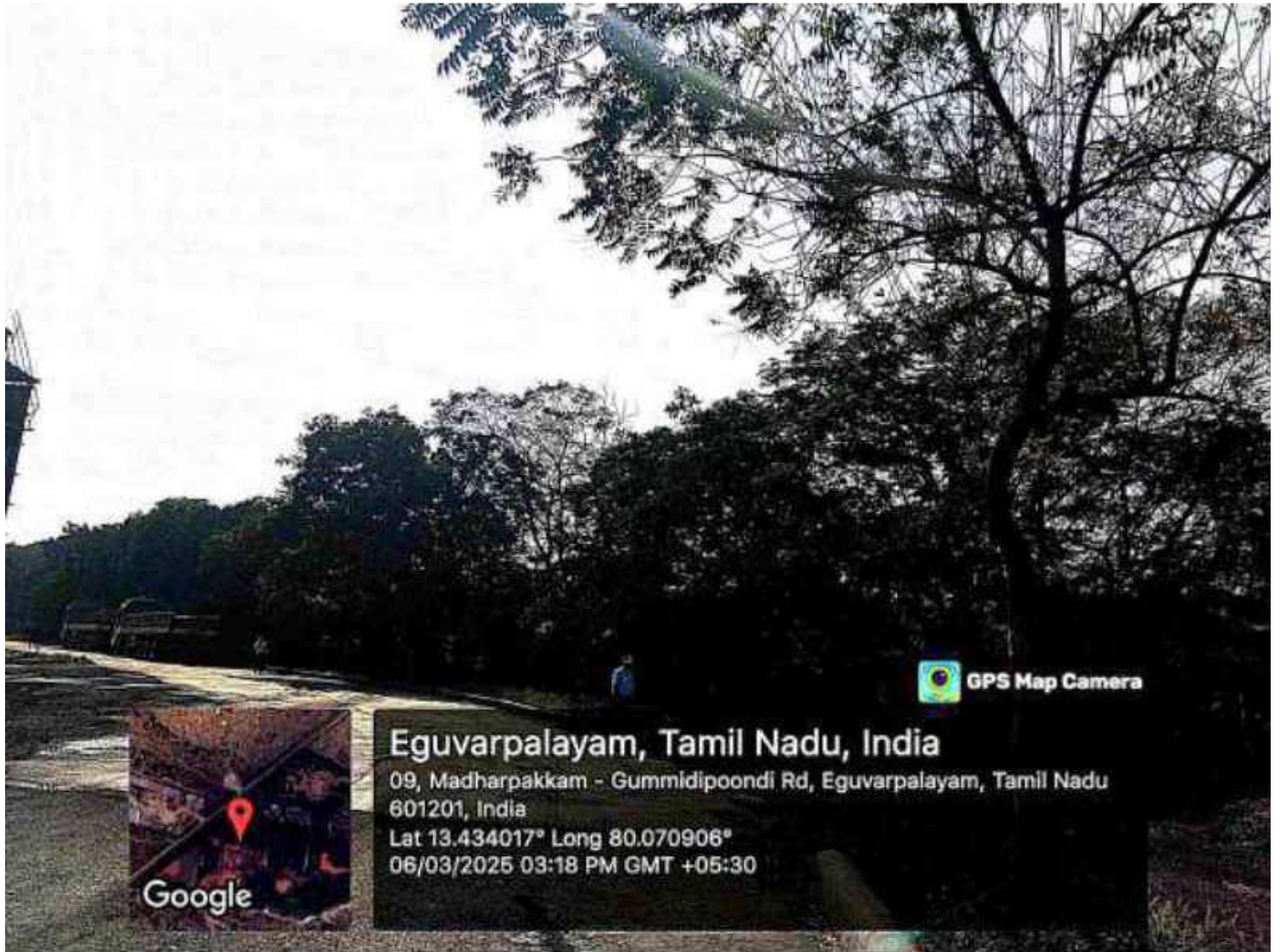
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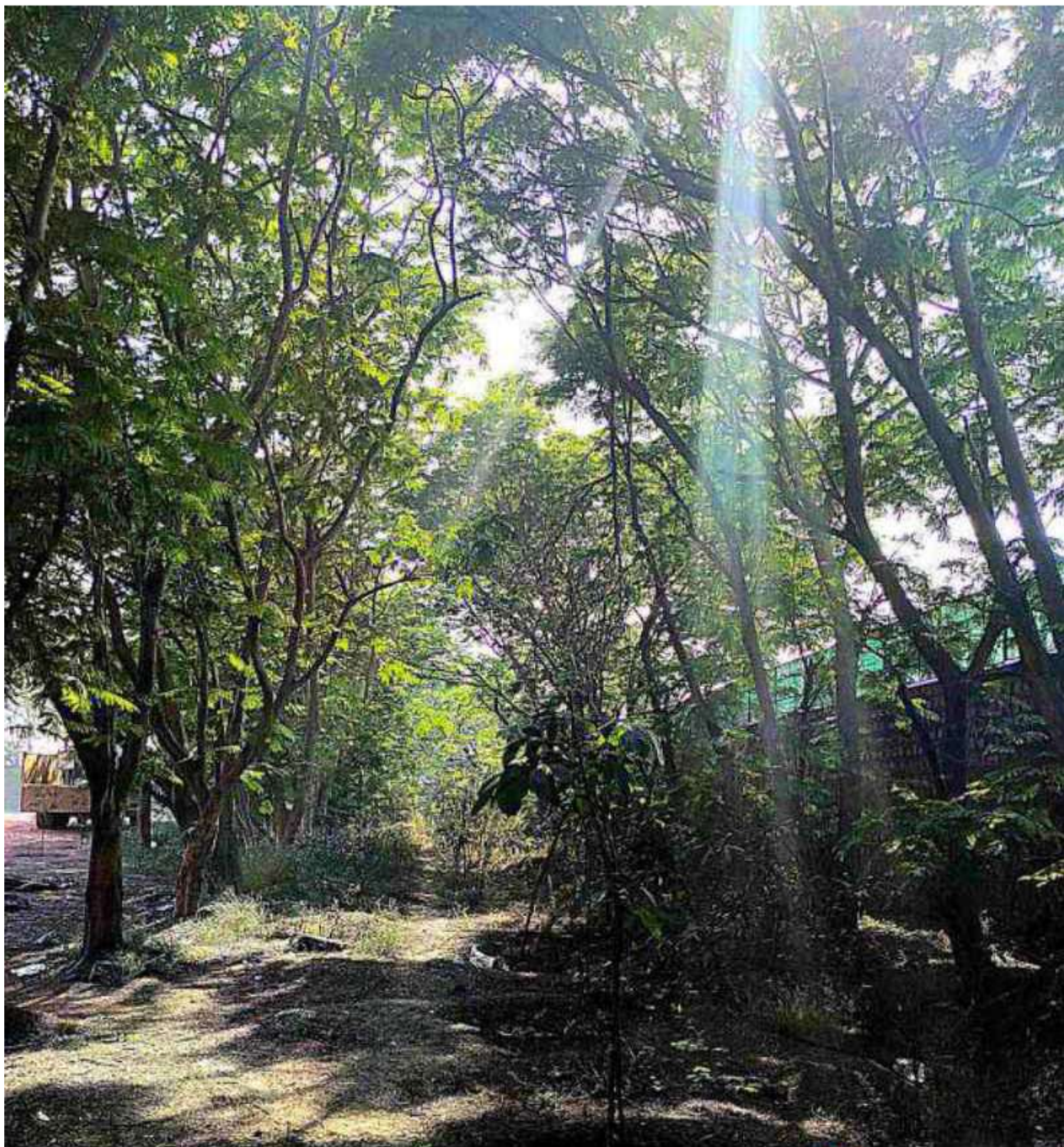
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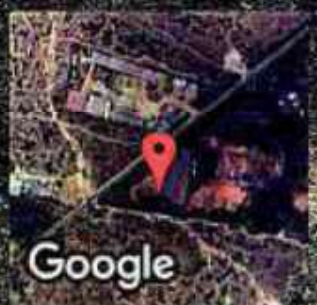
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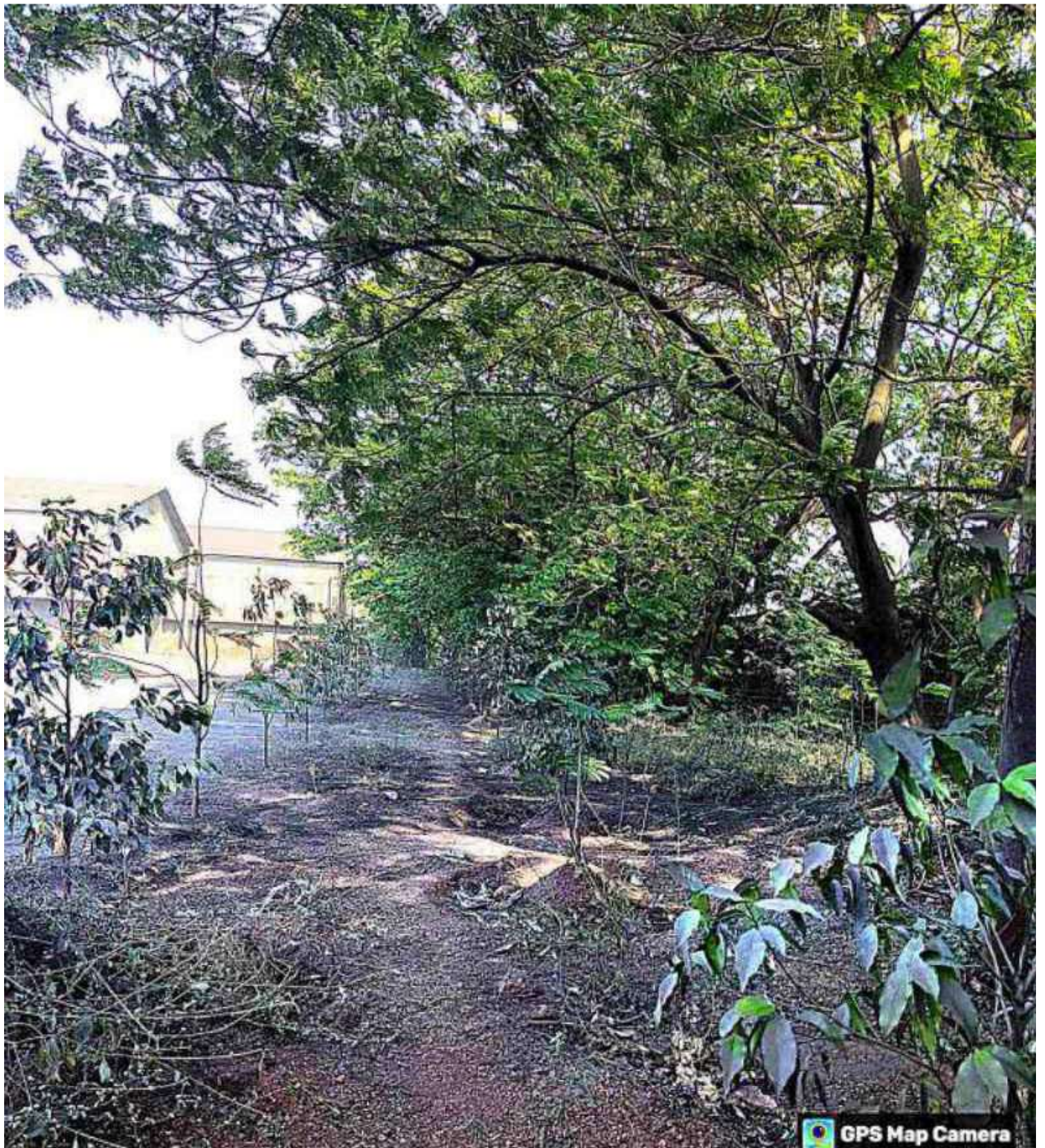
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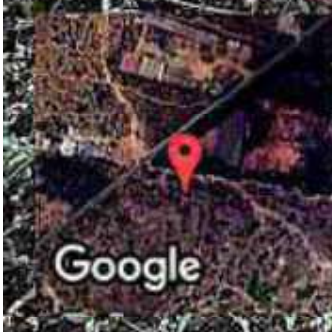
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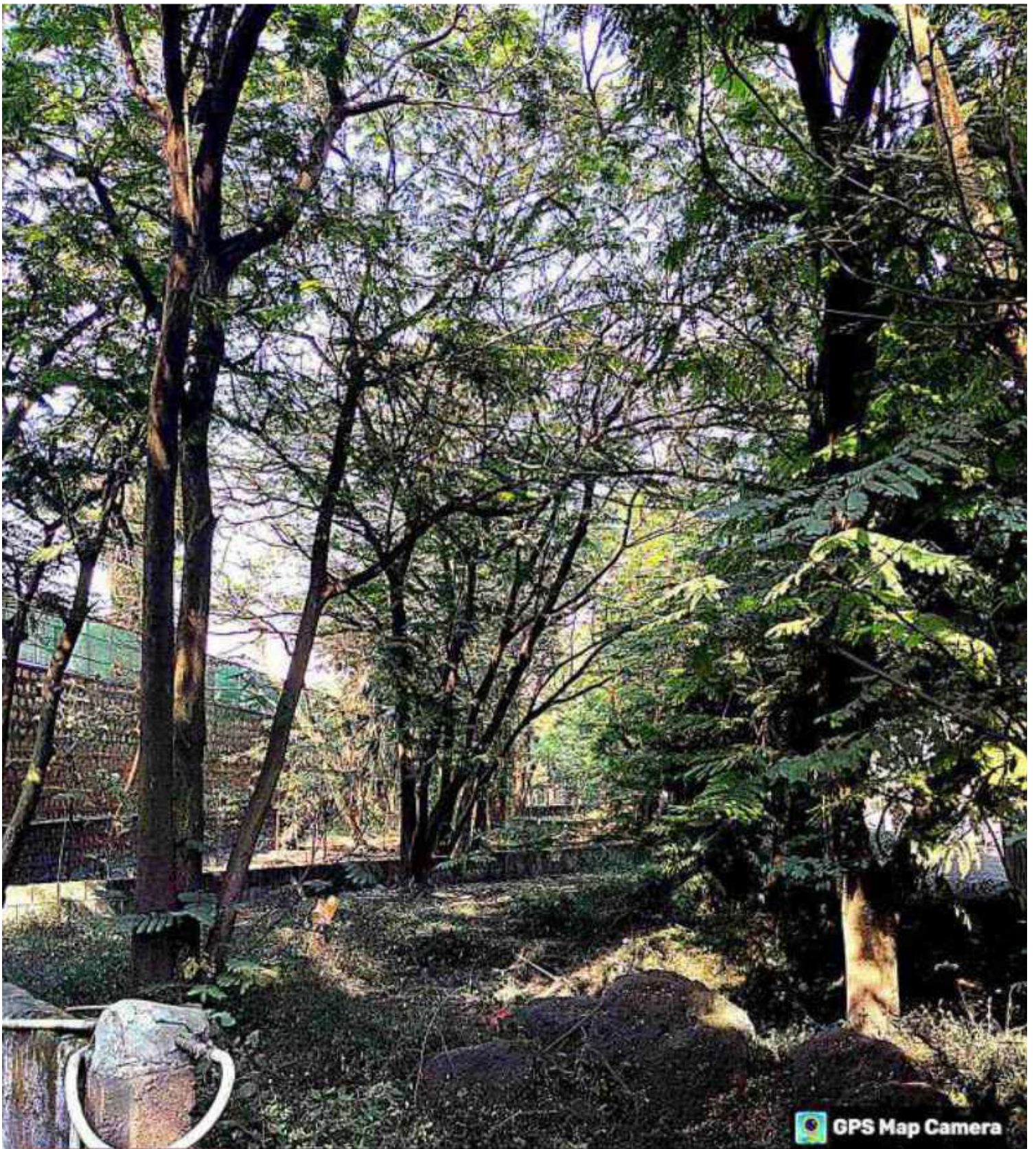
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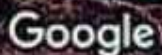
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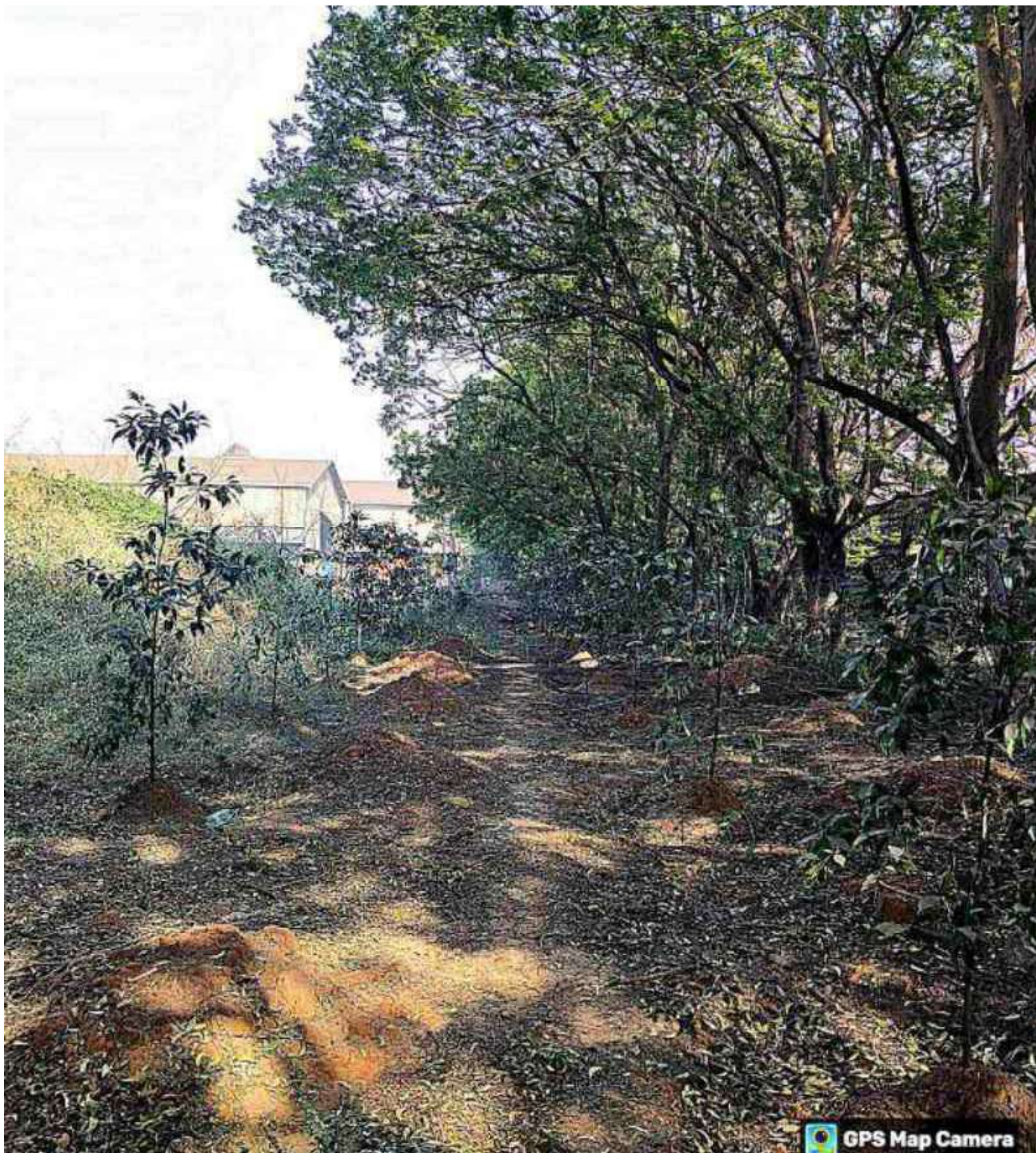
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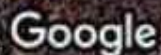
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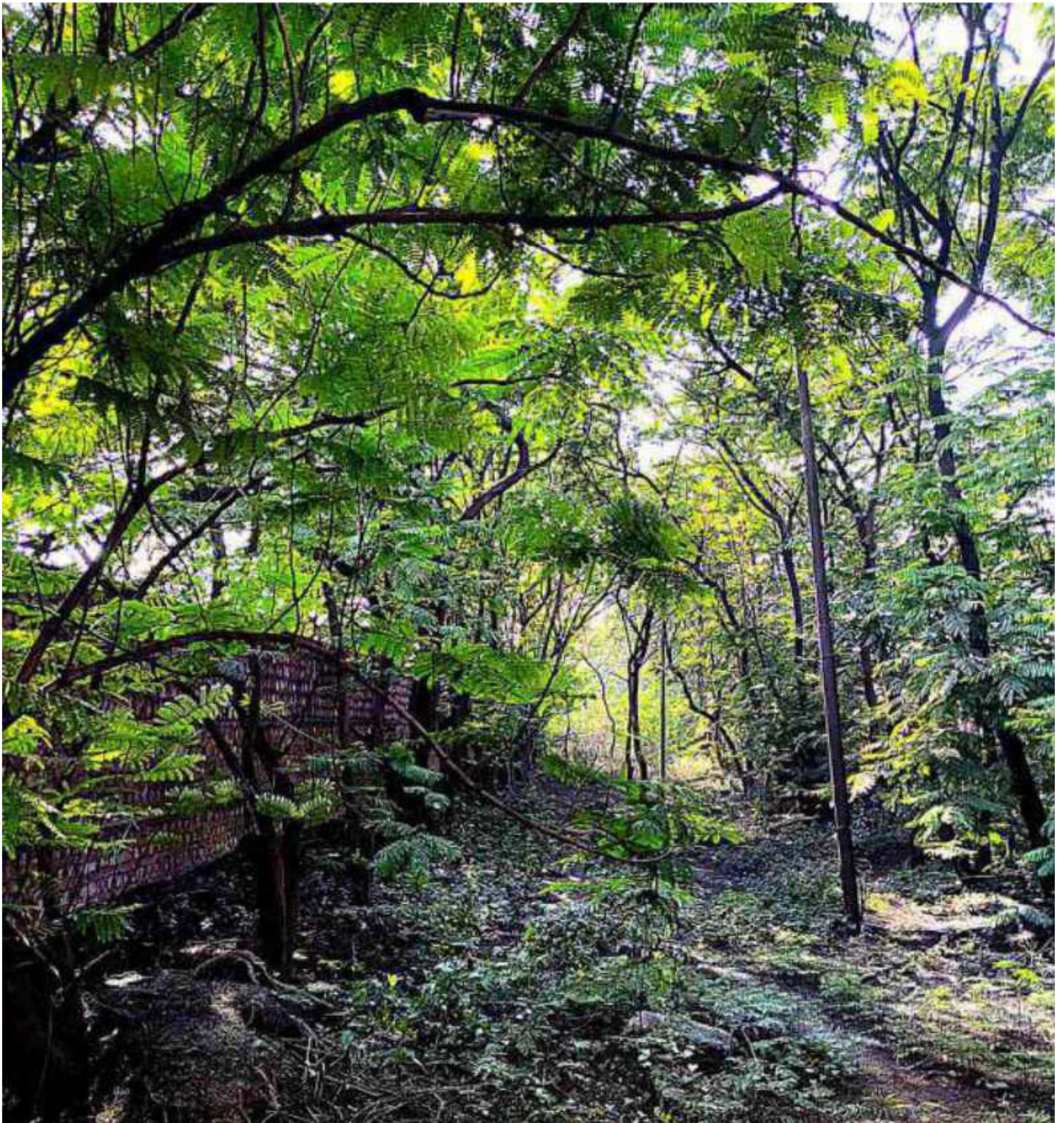
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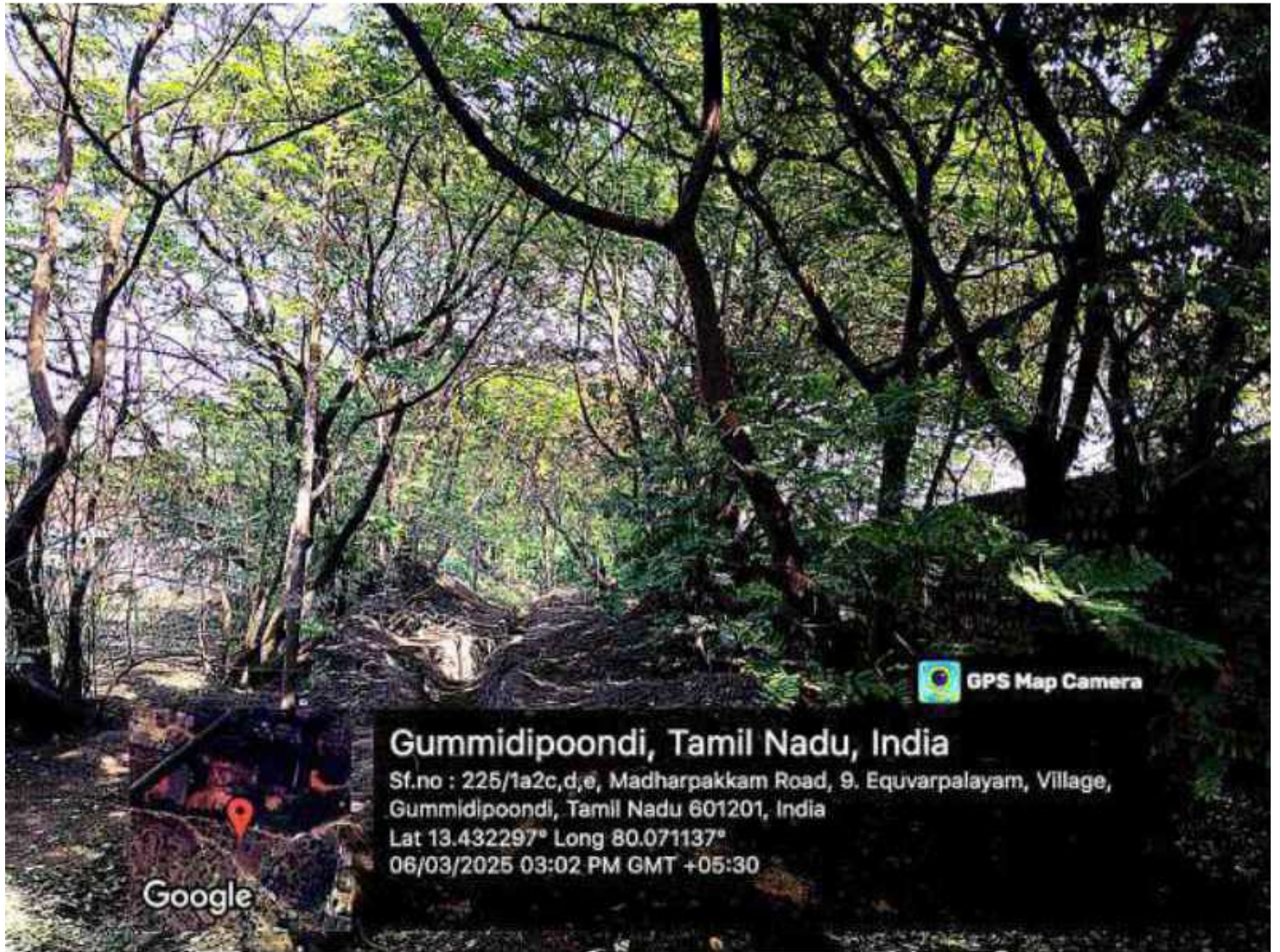
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Eguvarpalayam, Tamil Nadu, India

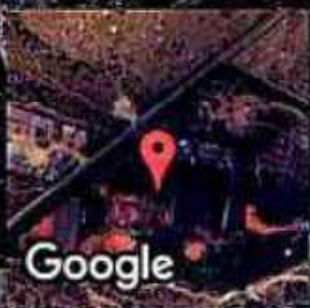
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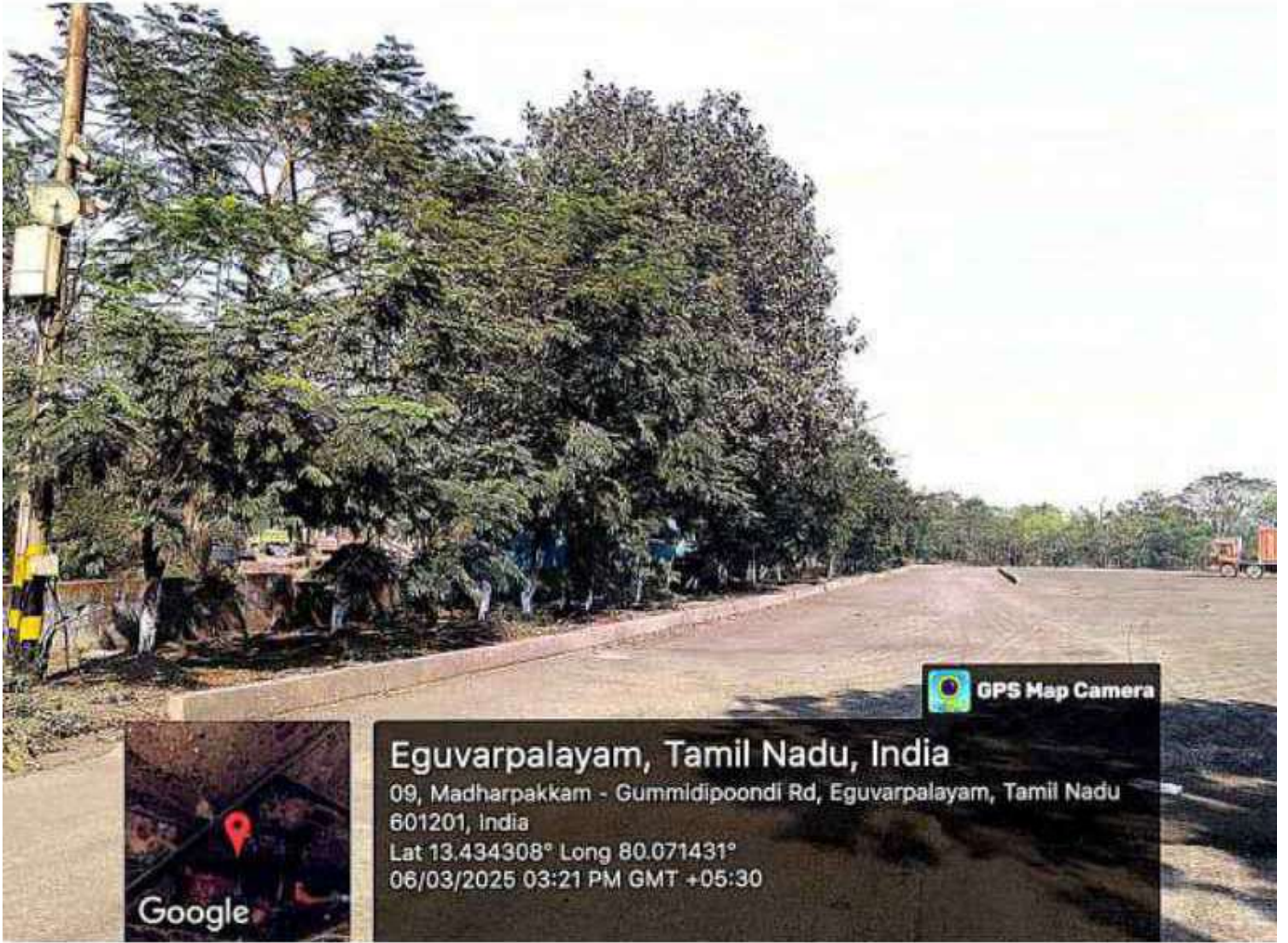
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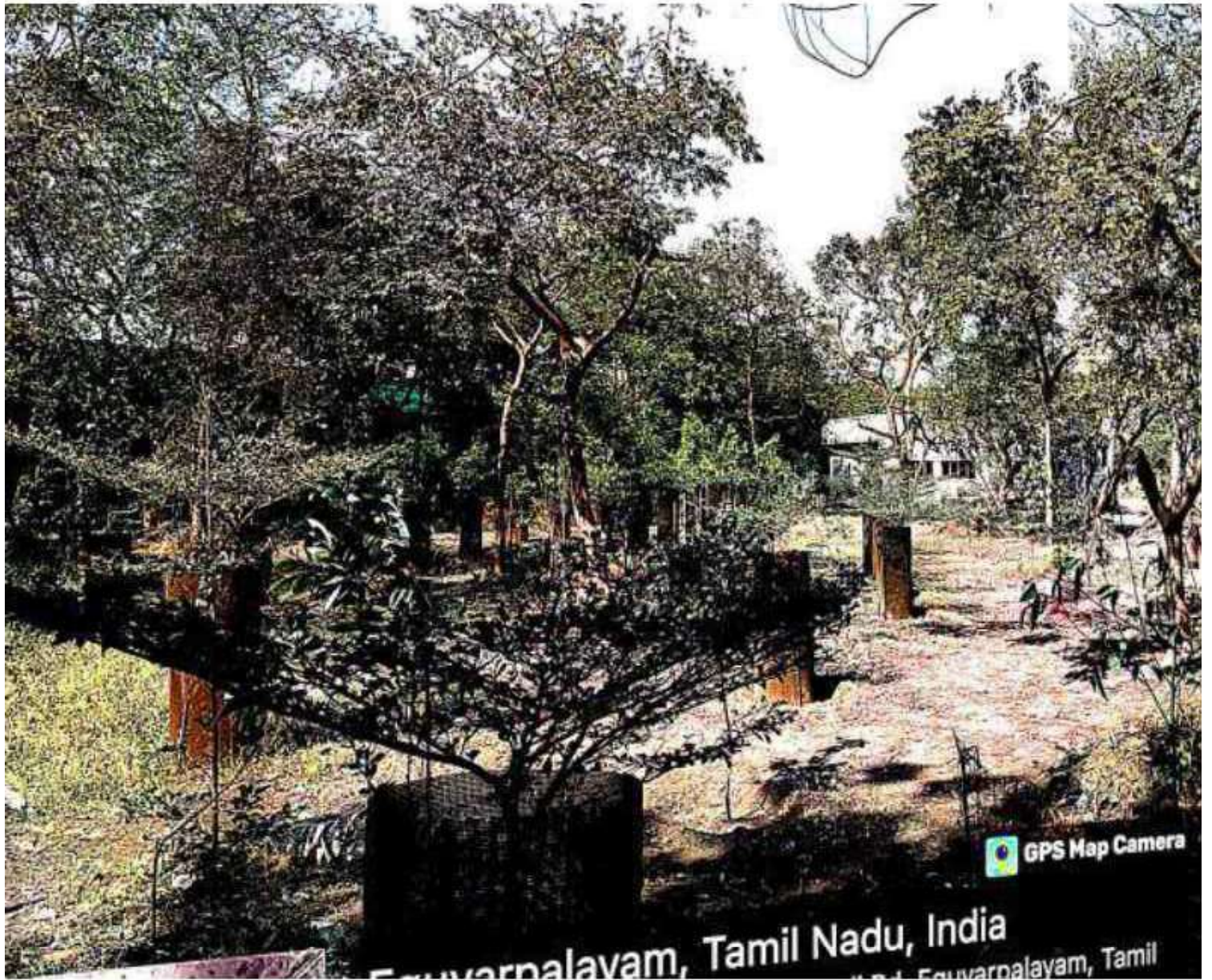
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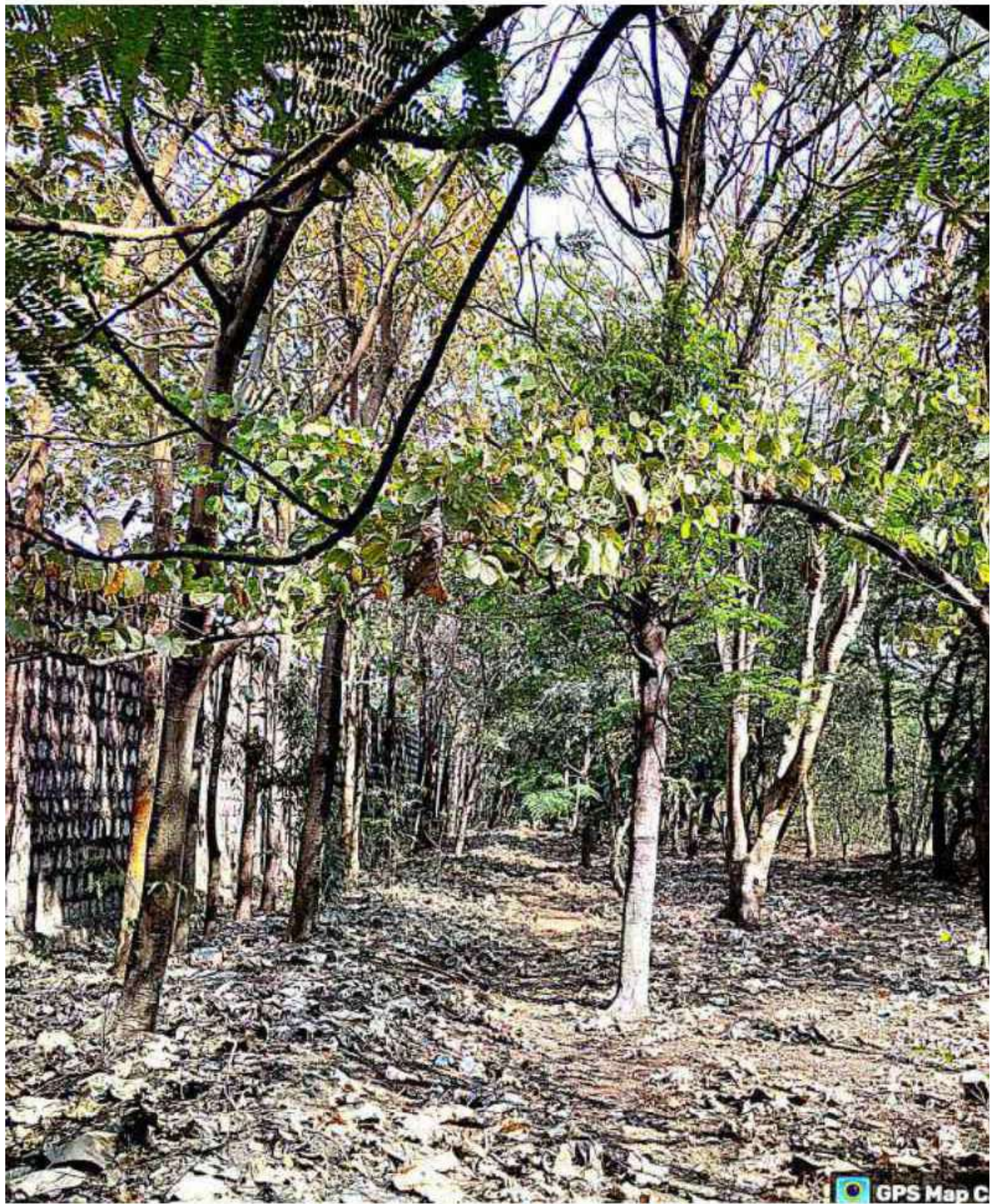


Eguvarpalayam, Tamil Nadu, India

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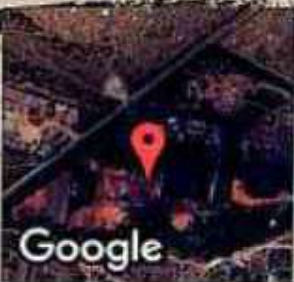
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601201, India

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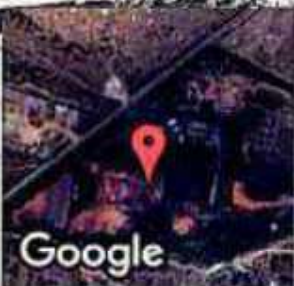
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GPS Map Camera



Eguvarpalayam, Tamil Nadu, India

09, Madharpakkam - Gummidipoondi Rd, Eguvarpalayam, Tamil Nadu
601201, India

Lat 13.433782° Long 80.07127°

06/03/2025 03:23 PM GMT +05:30

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 - V

**Latest Monitoring test reports on Ambient Air,
Soil, Ground Water, Noise , DG sets**



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 fees received vide reference cited.

Kindly acknowledge the receipt of the report without fail.

X.Sarumathy
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 30.0	Max 34.0	Relative Humidity (%)	Min 58	Max 82
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	*Direc tion	Distan ce (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	70.8	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-Graeae /IS 5182: (Part2)-2001 RA:2012
NO ₂	Jacobs-Hochheise /IS 5182: (Part6)-2006 RA:2012

K. Sankar
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
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. Sankar
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]
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 - 28

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

(Signature)
Deputy Chief Scientific Officer,
DEL, Ambattur

TEST REPORT

Test Report No & Date CTL/CH/N-11651/2024-25 & 18.10.2024
Sample Number N-11651/24-25
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 Ground Water
Sample Description Ground Water-1
Sampling Location Project Site
Sample Drawn on 03.10.2024
Sampling Plan & Procedure Grab Sample & CTL/QSP/09
Sample Quantity 5 Litres + 100ml (Sterile Container)
Sample Condition Good & Received in Plastic Container
Environmental Conditions Temperature- 30°C and Humidity- 51%
Equipment used for Sampling NA
Sample Received on 03.10.2024
Analysis Started on 03.10.2024
Analysis Completed on 10.10.2024

Test Results:

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

DISCIPLINE : CHEMICAL & BIOLOGICAL

GROUP : WATER

S.NO	PARAMETERS	METHOD	UNITS	RESULTS	Limits As per IS 10500:2012 (Reaffirmed 2023)	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate source
Table 1 - Organoleptic and Physical Parameters						
1	Colour	IS 3025 (Part 4)	HU	2	Max. 5	Max.15
2	Odour	IS 3025 (Part 5)	-	Agreeable	Agreeable	Agreeable
3	pH value @ 25°C	IS 3025 (Part 11)	-	7.1	6.5 - 8.5	No relaxation
4	Taste	IS 3025 (Part- 8)	-	Agreeable	Agreeable	Agreeable
5	Turbidity	IS 3025 (Part 10)	NTU	BLQ(LOQ:1.0)	Max. 1	Max. 5
6	Total Dissolved Solids	IS 3025 (Part 16)	mg/l	280	Max. 500	Max. 2000
Table 2 - General Parameters Concerning Substances Undesirable in Excessive Amounts						
7	Aluminium as Al	IS 3025 : (Part 2)	mg/l	BLQ(LOQ:0.0025)	Max. 0.03	Max. 0.2
8	Ammonia (as Total Ammonia-N)	IS 3025 (Part 34/Sec 1)	mg/l	BLQ(LOQ:0.1)	Max. 0.5	No relaxation
9	Anionic detergent as MBAS	IS 13428	mg/l	BLQ(LOQ:0.05)	Max. 0.2	Max. 1.0
10	Barium as Ba	IS 3025 : (Part 2)	mg/l	BLQ(LOQ:0.5)	Max. 0.7	No relaxation
11	Boron as B	IS 13428	mg/l	BLQ(LOQ:0.1)	Max. 0.5	Max. 1.0
12	Calcium as Ca	IS 3025 (Part 40)	mg/l	36	Max. 75	Max. 200
13	Chloramines as Cl ₂	IS 3025 (Part 26)	mg/l	BLQ(LOQ:0.01)	Max. 4.0	No relaxation
14	Chloride as Cl	IS 3025 (Part 32)	mg/l	84	Max. 250	Max. 1000
15	Copper as Cu	IS 3025 : (Part 2)	mg/l	BLQ(LOQ:0.0025)	Max. 0.05	Max. 1.5
16	Fluoride as F	IS 3025 (Part 60)	mg/l	BLQ(LOQ:0.1)	Max. 1.0	Max. 1.5

Verified by



For Chennai Testing Laboratory Pvt Ltd

A. Rajkumar
Authorised Signatory
A. RAJKUMAR
Head - Water & Soil Division
(CHEMICAL)

Page 1 of 5

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Phone : +91-44-2250 1757 | E-mail : chennaitesting@chennaitestinglab.com www.ctllabs.in

TEST REPORT

Test Report No & Date	CTL/CH/N-11651/2024-25 & 18.10.2024
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S. NO	PARAMETERS	METHOD	UNITS	RESULTS	Limits As per IS 10500:2012 (Reaffirmed 2023)	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate source
17	Free Residual Chlorine	IS 3025 (Part 26)	mg/l	BLQ(LOQ:0.1)	Min. 0.2	Min. 1
18	Iron as Fe	IS 3025 (Part 53)	mg/l	0.03	Max. 0.3	No relaxation
19	Magnesium as Mg	IS 3025 (Part 46)	mg/l	7	Max. 30	Max. 100
20	Manganese as Mn	IS 3025 : (Part 2)	mg/l	BLQ(LOQ:0.0025)	Max.0.1	Max. 0.3
21	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1)	mg/l	4.7	Max. 45	No relaxation
22	Phenolic Compounds as C ₆ H ₅ OH	IS 3025 (Part 43/Sec 1)	mg/l	BLQ(LOQ:0.001)	Max. 0.001	Max. 0.002
23	Selenium as Se	IS 3025 : (Part 2)	mg/l	BLQ(LOQ:0.005)	Max. 0.01	No relaxation
24	Silver as Ag		mg/l	BLQ(LOQ:0.0025)	Max. 0.1	No relaxation
25	Sulphate as SO ₄	IS 3025 (Part 24/Sec -1)	mg/l	40	Max. 200	Max. 400
26	Sulphide as H ₂ S	IS 3025 (Part 29)	mg/l	BLQ(LOQ:0.01)	Max. 0.05	No relaxation
27	Total Alkalinity as CaCO ₃	IS 3025 (Part 23)	mg/l	75	Max. 200	Max. 600
28	Total Hardness as CaCO ₃	IS 3025 (Part 21)	mg/l	119	Max. 200	Max. 600
29	Zinc as Zn	IS 3025 : (Part 2)	mg/l	BLQ(LOQ:0.0025)	Max. 5	Max. 15
Table 3 - Parameters Concerning Toxic Substances						
30	Cadmium as Cd	IS 3025 : (Part 2)	mg/l	BLQ(LOQ:0.0025)	Max. 0.003	No relaxation
31	Cyanide as CN	IS 3025 (Part 27/Sec-1)	mg/l	BLQ(LOQ:0.001)	Max. 0.05	No relaxation
32	Lead as Pb	IS 3025 : (Part 2)	mg/l	BLQ(LOQ:0.0025)	Max. 0.01	No relaxation
33	Mercury as Hg		mg/l	BLQ(LOQ:0.001)	Max. 0.001	No relaxation
34	Molybdenum as Mo		mg/l	BLQ(LOQ:0.0025)	Max. 0.07	No relaxation
35	Nickel as Ni		mg/l	BLQ(LOQ:0.0025)	Max. 0.02	No relaxation
36	Total Arsenic as As	IS 3025 : (Part 2)	mg/l	BLQ(LOQ:0.001)	Max.0.01	Max.0.05
37	Total Chromium as Cr		mg/l	BLQ(LOQ:0.0025)	Max. 0.05	No relaxation
Poly Nuclear Aromatic Hydrocarbons(as PAH)						
38	Naphthalene	CTL/SOP/WATER/102	µg/l	BLQ(LOQ:0.05)	Max 0.1 µg/l (Max.0.0001 mg/l)	No relaxation
	Acenaphthylene		µg/l	BLQ(LOQ:0.05)		
	2-Bromo-Naphthalene		µg/l	BLQ(LOQ:0.05)		
	Acenaphthene		µg/l	BLQ(LOQ:0.05)		
	Fluorene		µg/l	BLQ(LOQ:0.05)		
	Phenanthrene		µg/l	BLQ(LOQ:0.05)		
	Anthracene		µg/l	BLQ(LOQ:0.05)		
	Pyrene		µg/l	BLQ(LOQ:0.05)		
	Fluoranthene		µg/l	BLQ(LOQ:0.05)		
	Chrysene		µg/l	BLQ(LOQ:0.05)		
	Benz[a]anthracene		µg/l	BLQ(LOQ:0.05)		
	Benzo[a]pyrene		µg/l	BLQ(LOQ:0.05)		
	Benzo[b]fluoranthene		µg/l	BLQ(LOQ:0.05)		
	Benzo[ghi]perylene		µg/l	BLQ(LOQ:0.05)		
	Dibenz[a,h]anthracene		µg/l	BLQ(LOQ:0.05)		
	Indeno[1,2,3-cd]pyrene		µg/l	BLQ(LOQ:0.05)		

Verified by

For Chennai Testing Laboratory Pvt Ltd

A. RAJ KUMAR
Authorised Signatory
A. RAJ KUMAR
Head - Water & Soil Division
(CHEMICAL)

Page 2 of 5

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Phone : +91-44-2250 1757 | E-mail : chennai@chennai-testinglab.com www.ctllabs.in

TEST REPORT

Test Report No & Date	CTL/CH/N-11651/2024-25 & 18.10.2024
-----------------------	-------------------------------------

S.NO	PARAMETERS	METHOD	UNITS	RESULTS	Limits As per IS 10500:2012 (Reaffirmed 2023)	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate source
39	Poly Chlorinated Biphenyls(as PCB)					
	2-Chlorobiphenyl	CTL/SOP /WATER/101	µg/l	BLQ(LOQ:0.05)	Max 0.5 µg/l (Max.0.0005 mg/l)	No relaxation
	2,3-dichlorobiphenyl		µg/l	BLQ(LOQ:0.05)		
	2,4,5'-Trichlorobiphenyl		µg/l	BLQ(LOQ:0.05)		
	2,2',4,4'-tetrachlorobiphenyl		µg/l	BLQ(LOQ:0.05)		
	2,2',3,4',6'-Pentachlorobiphenyl		µg/l	BLQ(LOQ:0.05)		
	2,2',4,4',5',6'-Hexachlorobiphenyl		µg/l	BLQ(LOQ:0.05)		
	2,2',3,3',4,4',6'-Heptachlorobiphenyl		µg/l	BLQ(LOQ:0.05)		
	2,2',3,3',4,5,6,6'-Octachlorobiphenyl		µg/l	BLQ(LOQ:0.05)		
Table 5 - Pesticide Residues						
40	Alachlor	CTL/SOP /WATER/101	µg/l	BLQ(LOQ:0.03)	Max. 20	
	Aldrin		µg/l	BLQ(LOQ:0.03)	Max.0.03	
	Dieldrin		µg/l	BLQ(LOQ:0.03)		
	Alpha HCH		µg/l	BLQ(LOQ:0.01)	Max.0.01	
	Beta HCH		µg/l	BLQ(LOQ:0.03)	Max.0.04	
	Butachlor		µg/l	BLQ(LOQ:0.03)	Max.125	
	Chlorpyrifos		µg/l	BLQ(LOQ:0.03)	Max.30	
	Delta HCH		µg/l	BLQ(LOQ:0.03)	Max.0.04	
	o,p'-DDT		µg/l	BLQ(LOQ:0.03)		
	p,p'-DDT		µg/l	BLQ(LOQ:0.03)		
	p,p'-DDE		µg/l	BLQ(LOQ:0.03)	Max.1.0	
	o,p'-DDE		µg/l	BLQ(LOQ:0.03)		
	o,p'-DDD		µg/l	BLQ(LOQ:0.03)		
	p,p'-DDD		µg/l	BLQ(LOQ:0.03)		
	Endosulfan alpha		µg/l	BLQ(LOQ:0.03)	Max.0.4	
	Endosulfan Beta		µg/l	BLQ(LOQ:0.03)		
	Endosulfan Sulfate		µg/l	BLQ(LOQ:0.03)		
	Ethion		µg/l	BLQ(LOQ:0.03)	Max.3	
	Gamma HCH (Lindane)		µg/l	BLQ(LOQ:0.03)	Max.2	
	Methyl Parathion		µg/l	BLQ(LOQ:0.05)	Max.0.3	
	Monocrotophos		µg/l	BLQ(LOQ:0.05)	Max.1	

Verified by

For Chennai Testing Laboratory Pvt Ltd

A. Rajkumar
Authorised Signatory
A. RAJKUMAR
Head - Water & Soil Division
(CHEMICAL)

Page 3 of 5

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TEST REPORT

TEST REPORT		CTL/CH/N-11651/2024-25 & 18.10.2024				
S.NO	PARAMETERS	METHOD	UNITS	RESULTS	Limits As per IS 10500:2012 (Reaffirmed 2023)	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate source
41	Mineral oil	IS 3025 (Part 59)	mg/l	Absent	Max. 0.5	No relaxation
42	Pesticide Residues:					
	Atrazine	CTL/SOP/WATER/101	µg/l	BLQ(LOQ:0.03)	Max. 2	
	2,4 - Dichlorophenoxyacetic acid		µg/l	BLQ(LOQ:0.03)	Max.30	
	Isoproturan		µg/l	BLQ(LOQ:0.03)	Max.9	
	Malathion		µg/l	BLQ(LOQ:0.03)	Max.190	
	Phorate		µg/l	BLQ(LOQ:0.03)	Max.2	

Verified by 

For Chennai Testing Laboratory Pvt.ltd


Authorised Signatory
A. RAJKUMAR
Head - Water & Soil Division
(CHEMICAL)

Page 4 of 5

TEST REPORT

Test Report No & Date	CTL/CH/N-11651/2024-25 & 18.10.2024
-----------------------	-------------------------------------

S.NO	PARAMETERS	METHOD	UNITS	RESULTS	Limits As per IS 10500:2012 (Reaffirmed 2023)
Table 6 - Bacteriological Quality of Drinking Water					
43	Total Coliform	IS 15185	Per 100ml	Absent	Shall not be detectable in any 100 ml of sample
44	E.coli		Per 100ml	Absent	

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification; Max-Maximum, Min-Minimum

Note: IS 10500:2012 (Reaffirmed 2023) - Drinking Water Specification

Remarks: The sample complies the acceptable limits of IS 10500: 2012 Drinking water specification with respect to the parameters tested.

Statement of conformity is applied considering Decision rule as per CTL/QSP/16

*****END OF REPORT*****


Verified by

For Chennai Testing Laboratory Pvt Ltd


Authorised Signatory
N. RAJENDRAKUMAR
Head - Quality & Microbiology Division
(MICROBIOLOGY)

Page 5 of 5

TEST REPORT

Test Report No & Date CTL/CH/N-11643/2024-25 & 18.10.2024
Sample Number N-11643/24-25
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 Soil
Sample Description Soil-1
Sampling Location Project Site
Sample Drawn on 03.10.2024
Sampling Plan & Procedure Grab Sample & CTL/QSP/10
Sample Quantity 1 Kg
Sample Condition Good & Received in Packed Condition
Environmental Conditions Temperature- 30°C and Humidity- 51%
Equipment used for Sampling NA
Sample Received on 03.10.2024
Analysis Started on 03.10.2024
Analysis Completed on 10.10.2024

Test Results:

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

DISCIPLINE : CHEMICAL

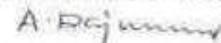
GROUP : POLLUTION AND ENVIRONMENT

S.NO	PARAMETERS	METHOD	UNITS	RESULTS
1	pH	EPA Method-9045 D	-	6.6
2	Electrical Conductivity @ 20°C	IS 14767	µmhos/cm	88
3	Nitrogen as N	IS 10158	mg/kg	352
4	Phosphorus as P	FAO Method(Page No.75), 2007 (Olsen's Method)	mg/kg	11
5	Potassium as K	IS 10158	mg/kg	156
6	Calcium as Ca	FAO Method(Page No.44)	mg/kg	122
7	Magnesium as Mg		mg/kg	37
8	Sodium as Na	IS 10158	mg/kg	316
9	Chloride as Cl	FAO Method(Page No.48)	mg/kg	129
10	Sulphate as SO ₄	IS 2720(Part - 27)	mg/kg	59
11	Boron as B	FAO Method(Page No.92)	mg/kg	1.11
12	Organic Matter	FAO Method (Page.No-61)	%	0.67

Verified by 



For Chennai Testing Laboratory Pvt Ltd



Authorised Signatory

A. RAJKUMAR
Head - Water & Soil Division
(CHEMICAL)

Page 1 of 3

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A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India

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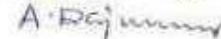
TEST REPORT

Report Number and date	CTL/CH/N-11643/2024-25 & 18.10.2024
------------------------	-------------------------------------

S.NO	PARAMETERS	METHOD	UNITS	RESULTS
13	Moisture Content	IS 2720 (Part 2)	%	5.32
14	Bulk Density	FAO Method(Page No.35)	gms/cc	1.52
15	Cation Exchange Capacity	FAO Method(Page No.54)	meq/100g	11.36
16	Arsenic as As	USEPA3052/ USEPA 6010D	mg/kg	BLQ(LOQ:0.1)
17	Cadmium as Cd		mg/kg	BLQ(LOQ:2.0)
18	Mercury as Hg		mg/kg	BLQ(LOQ:0.2)
19	Copper as Cu		mg/kg	18.3
20	Nickel as Ni		mg/kg	10.6
21	Chromium as Cr		mg/kg	28.8
22	Lead as Pb		mg/kg	9.28
23	Iron as Fe		%	2.85


Verified by

For Chennai Testing Laboratory Pvt Ltd


Authorised Signatory

A. RAJKUMAR
Head - Water & Soil Division
(CHEMICAL)

Page 2 of 3

TEST REPORT

Report Number and date	CTL/CH/N-11643/2024-25 & 18.10.2024
------------------------	-------------------------------------

S.NO	PARAMETERS	METHOD	UNITS	RESULTS
24	Grain Size Distribution:	FAO Method		
	Sand		%	19.26
	Silt		%	31.25
	Clay		%	49.49
25	Sodium Absorption Ratio (SAR)	IS 11624-1986	-	6.41
26	Average Water Storage Capacity	CTL/SOP/SOIL/024	%	36.3
27	Infiltration Rate	CTL/SOP/SOIL/058	cm/hr	1.1

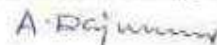
BLQ - Below Limit of Quantification; LOQ - Limit of Quantification.

END OF REPORT



Verified by

For Chennai Testing Laboratory Pvt Ltd



Authorised Signatory

A. RAJKUMAR
Head - Water & Soil Division
(CHEMICAL)

Page 3 of 3

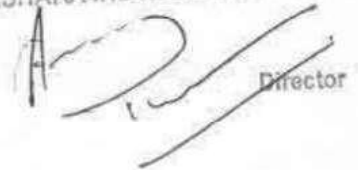
ANNEXURE VI

Environmental Management Plan

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 - VIII

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 ஸ்கல் பில்லெட்ஸ் (12,000 டன்/மாதம்), ரோல்டு ஸ்கல் 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, சூம்மிடிப்பூண்டி 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, சூம்மிடிப்பூண்டி.

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.com/wp-content/uploads/2025/06/DocScanner-Jun-13-2025-11-39-AM.pdf>

by
M/s Akshara Industries Private Limited, Gummidipoondi