

ODISHA POWER GENERATION CORPORATION LTD.

(A Government Company of the State of Odisha)

CIN: U40104OR1984SGC001429



Ib Thermal Power Station

Banharpali, Dist.: Jharsuguda, Odisha – 768 234, India

Plant Manager : (+916645) 289266, Fax: (+916645) 222-230

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Letter No. ITPS/1867/WE
May 29, 2026

The Deputy Director General of Forest(C)

Ministry of Environment Forests & Climate Change
Eastern Regional Office
A/3, Chandrasekharpur
Bhubaneswar – 751023

Sub.: **Half yearly Environmental Status Report of Odisha Power Generation Corporation (2X210 MW ITPS),
Banharpali, Dist. Jharsuguda for the period from October 2025 – March 2026.**

Ref.: i. ITPS Environmental Clearance No.14/13/83-EM-2, dated 27.09.1984

ii. MoEF & CC Regional Office File No.106-12, dated 11.05.2020

Dear Sir,

This has reference to the above subject and cited references.

Kindly find enclosed the half-yearly Environment Compliance report of Odisha Power Generation Corporation (2X210 MW ITPS) for the period from **October 2025 – March 2026**.

We have also uploaded the half yearly compliance status for the mentioned period in OPGC **website-
www.opgc.co.in. & also have mailed the same for** your ready reference and kind perusal.

Thanking you

Sincerely yours,

Anjana Ranjan Dash
Director (Operations)

Enclosed as above

CC: i. Member Secretary, State Pollution Control Board, Odisha, Bhubaneswar – 751 012
ii. CPCB Regional Director Kolkata, Southend Conclave (5th Floor) 1582,Rajdanga Main Road Kolkata- 700107

ODISHA POWER GENERATION CORPORATION LTD

IB THERMAL POWER STATION (2×210MW)

COMPLIANCE STATUS OF THE ENVIRONMENTAL CONDITIONS

Environment Clearance No. 14/13/83-EM-2, dated 27.09.1984

Period October 2025 – March 2026

Sl. No.	Environmental Clearance Conditions	Compliance Status
1.	AIR POLLUTION	
I.	A common stack height not less than 200 meters should be provided for two units of 210 MW. Similarly, for other two units a common chimney of 200 meters height should be provided.	A bi flue common stack of height 220 meters has been provided for Unit#1&2 of 210 MW each.
II.	ESP of having operational efficiency of not less than 99.7% should be provided and extra fields made part of the design. The efficiency of ESPs should be monitored and recorded. Adequate training should be given to the persons engaged in the operations and maintenance of ESPs.	ESP of operational efficiency 99.82% (designed value) has been provided for both of the units. Comprehensive maintenance of ESP internals both for unit #1 & unit #2 is being done during annual overhauling every year. Routine maintenance practice has been followed for ensuring healthiness of ESPs & ESP retrofitting job for both the units had been taken up to achieve the particulate emission norm of 100 mg/Nm ³ by addition of a parallel pass consisting of 6 fields for each unit. The maximum, minimum & average PM value for the period from October 2025 to March 2026 is enclosed for kind reference. Enclosed as Annexure 1A
III.	Emission and ambient air quality monitoring should be done after the commissioning of the units and data recorded and should not exceed the standards set by the Central and State Pollution Control Boards.	Stack monitoring has been taken up through two Nos. of online continuous emission monitoring system (CEMS) for parameters PM, SO ₂ , & NO _x for trend monitoring and taking corrective action so as to keep parameters within prescribed limit. The CEMS are connected to SPCB & CPCB servers on real time basis. Offline test is also being conducted through grab sampling by calibrated portable stack monitoring kit & Flue gas analyzers on weekly basis. These results are being recorded and reported. Monitoring is also done through third party which is NABL accredited. Five permanent ambient air monitoring stations are installed by OPGC in & around ITPS out of which 3 no stations are placed in industrial zone & 2 no in Residential zone. Ambient air monitoring has been done regularly for parameters PM ₁₀ , PM _{2.5} , SO ₂ , NO _x & noise. In addition to the above, six online ambient air quality monitoring station has been installed out of which four are inside plant & other two are in residential area to monitor PM _{2.5} , PM ₁₀ , SO ₂ , & NO _x . Real time data transmission to the OSPCB & CPCB servers from the ambient air quality monitoring station has been established. Besides emission, ambient air, noise & waste water quality are being monitored by NABL accredited third party Lab. All the results are furnished in form of maximum, minimum & average values. Monitoring reports are being sent to SPCB & CPCB every month. Half yearly reports are being sent regularly to MoEF & CC, Govt. of India and Eastern Regional Office. Maximum, Minimum and Average Emission data for the period October 2025 to March 2026 is

		enclosed for reference. Enclosed As Annexure 1A Note: The third-party analysis report for Stack & Ambient Air has been enclosed as Annexure-1B. RTDAS report of CEMS & CAAQMS has been enclosed as Annexure-1C
IV.	Adequate space for FGD plant should be part of the design so that they could be installed if required at a later stage.	As per MoEF & CC Notification for Thermal Power Plant dated 11.07.2025, FGD is not obligatory for Category-C Thermal Power Plants. The categorization of Thermal Power Plants by CPCB where OPGC falls under Category C is enclosed as Annexure-2
V.	Dust suppression / control equipment should be installed in wagon tipping area, transfer points, crushers etc.	As a work zone emission improvement step, OPGC has installed dry fog system with a cost involvement of 2.5 crores in place of existing sprinkling and dust extraction systems in order to bring higher level of fugitive dust control. The effectiveness of the dry fog system has been found extremely satisfactory. A third-party work zone monitoring report is enclosed as Annexure-3
2.	WATER POLLUTION	
i.	Closed cooling system for condensers should be provided instead of once-through cooling system as proposed.	The process has been designed and operated with the closed cooling system. Cooling Tower blow down water is recycled back in ash handling & drift loss water is recycled back in to Cooling Tower basin.
ii.	Liquid effluents emanating from the different plants such as DM plant, Boiler blow down, Ash Pond/dyke sewage etc. should be properly treated as per the standards stipulated by the State Pollution Control Board.	The plant has been reusing its liquid effluents in its different process after necessary treatment since 28.06.2008. This is in compliance to SPCB's consent condition to reuse all liquid effluents. The details of reuse processes are- ▪ Domestic sewage of Plant, Township and hospital is being treated in STP and treated effluent is being reused for watering the green belt/Horticulture and Park at ITPS. ▪ No effluent from ash pond is discharged. Treated ash water is recycled 100% for reuse as make up water in wet ash handling system after necessary treatment by dedicated Ash Water recirculation system (AWRS). The AWRS consists of 3 dedicated pumps of 1000 m3/Hr capacity. At any given point of time, 2 pumps remain operational & 1 in standby. ▪ CW blow down effluent is being reused as make up water in wet ash handling system. ▪ Boiler and turbine effluents are being reuse as ash handling make up after necessary treatment. ▪ DM plant regeneration effluent is being reuse as cooling system make up. ▪ CT drift overflow water is recycled back in cooling tower basin. ▪ Gravity sand filter backwash water of WTP is recycled back in clarifier.
iii.	Hot water coming from the condenser should be properly cooled so as to ensure to keep the temperature of the receiving surface water as per the standard stipulated by the state Board.	Hot water coming from the condenser is being cooled through cooling tower & reused for condenser cooling in close loop. Cooling water blow down is being reused as make up water in ash slurry discharge system. There has been no hot water discharge coming from the condensers.

3.	SOLID WASTE MANAGEMENT	
i.	Fly ash and bottom ash should be collected in the ash dykes/ponds. The supernatants water should not contain suspended matters more than 100ppm. Dry disposal of fly ash should also be planned including the disposal in abandoned mines after mixing with the OB.	Fly Ash & bottom ash is being collected in Ash Ponds. The suspended particles of the supernatant water from ash pond are settled in Primary & Secondary settling tanks. The supernatant is also additionally treated with Alum & polyelectrolyte for more effective settling. The settled water is being re-cycled 100% for reuse as make up water in wet ash handling system at plant site. Dry disposal of fly ash is being performed through dry ash handling system with silo provisions specifically for ash utilization in brick, cement, asbestos, land reclamation, road etc. In the period from October 2025 to March 2026, 15.18% of ash has been utilized. In order to meet 100% ash utilization, OPGC needs to have nearest mine void. The requirement was indicated before MCL but no such abandoned mine allotted to OPGC so far. On continuous pursuance from OPGC and with the support of MoEF& CC, Regional Office, Mahanadi Coal Field (MCL) had given clearance in the month of May 2007 for back filling of OPGC ash in Lilari OCM void from July 2009. Based on that permission, OPGC had taken immediate step for EIA and feasibility study engaging CIMFR, Dhanbad. But in the month of February 2008, the permission was withdrawn unilaterally by MCL on the ground that the anticipated life of Lilari Mine is extended for ten more years. Since then, OPGC is perusing time and again to MCL to provide any other mine void near OPGC site. In a high-level meeting with MCL on 9th February 2011, MCL has agreed to give in principle clearance to OPGC for back filling in Belpahar OCM. This has not happened so far. In further attempts OPGCL has also awarded a consultancy order to Centre For Fly Ash Research & Management ("C-FARM") headed by Dr. Vimal Kumar (Former Mission Director & Head, Fly-Ash Unit, Department of Science and Technology, Government of India) for scientific and technical advice for obtaining "Consent for mine void filling with fly ash". C-FARM is continuously deliberating with MCL, as well as with Central Mine Planning and Design Institute, on behalf of OPGCL for allotment of mine void for stowing with ash. OPGC further seeks support of MoEF & CC for allotment of mine voids from MCL.
ii.	Green belt should be raised on the ash disposal areas filled by fly ash to check the dispersion by fly ash into the air. Additional land (Pvt. Land) should be acquired for compensatory afforestation.	Dry disposal area (Ash Mounds) is soil capped & grass turffed completely to avoid dispersion of fly ash in to air. The dry ash surface in operational pond is maintained wet or water pounded to prevent air borne of ash. Tree plantation on the slope of the dyke has been restricted by State Pollution Control Board due to the risk involved to the dyke in form of tree root channeling effect. Thereafter, the trees planted earlier on the dykes were removed for maintaining the safety of the ash dykes. Compensatory afforestation has been done by OPGC over 260 Ha of non-forest land in Deogarh, Odisha, through forest department, Govt. of Odisha.

iii.	Trees plantation work should be taken up all around the Thermal Power Plant. The species to be planted may be decided in consultation with the Forest Department.	Adequate number of trees of different species has been planted all around ITPS. Species are selected consulting Forest Department. More than 33% i.e. 34.92% of the plant area is now covered with green belt and high-density trees. This has been confirmed in report of district plantation monitoring committee, constituting of Ex Vice Chancellor & Honorary WL Warden, ACF, Jharsuguda Forest division, A.D Horticulture Jharsuguda, Asst. Env Engineer Jharsuguda & Chief coordinator Eco-Club Jharsuguda. Plantation activity is also being taken up every year. Detail plantation status is enclosed as Annexure 4(A) . Plantation Committee report enclosed as Annexure 4(B)
iv.	Effort should be made to utilize fly ash in bricks, blocks, building materials etc.	OPGC is having its own fly ash brick plants (capacity-10000 bricks/day) for manufacturing of fly ash bricks. Apart from that OPGC has been providing fly ash free of cost to brick plants whoever shows interest to use in manufacturing of building materials. OPGC is also supplying ash to Dalmia and Ambuja Cement. Newspaper publications have been made and pamphlets have been distributed in nearby villages for utilization of ash in low lying areas and in agriculture.
V.	A comprehensive re-settlement package of rehabilitation of dispersed families should be made including providing of job to at least one person per family, apart from giving cultivable land for land to those who were possessing the same.	Total 197 families were identified under R & R scheme. Out of 197 families 168 family received the benefit of direct employment in OPGC. Another 17 families received cash in lieu of employment. Balance 12 families which are not traceable, Govt. of Odisha has issued a newspaper advertisement on dated 14.08.2010. However, no families or person came forward to claim their R&R benefits. As the matter is a state subject, OPGCL is committed to follow the direction of State Govt. in this regard News Paper Advertisement is enclosed as Annexure-5 Note: In a personal hearing dated 01.10.2025 which was chaired by Joint Secretary MoEF & CC, the chair has considered this condition as complied.
vi.	A master plan should be prepared taking into account the requirement of power plant, township, fuel requirement, human settlements, etc. in consultation with District authorities.	It was compiled at the time of the project construction & commissioning stage during the period from the year 1989 to 1995.
vii.	Timber required for the project should be procured through the Forest Corporation and not by private contractor/dealers and the former should not abrogate this responsibility by contracting the supply out and adding its handling charges. If the corporation is not equipped to handle this themselves the project authorities should negotiate the best terms, price and environment-wise with contractors by obtaining bids.	It was compiled at the time of the project construction & commissioning stage during the period from the year 1989 to 1995.
4	ADDITIONAL CONDITION FOR MEGA PROJECTS	
i.	Continuous monitoring of stack emissions as well as ambient air quality (as per notified standards) shall be carried out and continuous records maintained. Based	OPGC has installed 2 Nos of Continuous Emission Monitoring System in both the stacks for online measurement of PM, SO ₂ & NO _x . Similarly, OPGC has installed 6 Nos of Continuous

	on the monitored data, necessary corrective measures as may be required from time to time shall be taken to ensure that the levels are within permissible limits. The results of monitoring shall also be submitted to the respective Regional Office of MoEF regularly. Besides, the results of monitoring will also be put on the website of the company in the public domain.	Ambient Air Quality Monitoring System in both industrial & residential location for online measurement of PM10, PM2.5, SO2 & NOx. The data is sent to SPCB/CPCB server on real-time basis. Monitoring result is submitted to MoEF & CC regional office along with the half yearly EC status report in form of maximum, minimum and average values. The same is also uploaded in OPGC website on regular basis. The report of RTDAS is enclosed as Annexure-1C
ii.	The six-monthly monitoring reports as well as the monitored data on various parameters as stipulated in the environment clearance conditions shall be put on the website of the company and also regularly updated. The monitored data shall also be submitted to respective State Pollution Control Board/ UTPCCs and regional office of MoEF.	The six monthly as well as monthly monitoring reports on various parameters is being put on OPGC website and regularly updated. The data is also being submitted to OSPCB & MoEF & CC regional office. Address: https://www.opgc.co.in/env/Half_Yearly_EC_Compliance_Report.asp
iii.	The ambient air quality data as well as the stack emission data will also be displayed in public domain at some prominent place near the main gate of the company and updated in real time.	The ambient air quality data as well as the stack monitoring data are displayed at the Plant. Photographs of the Display board attached as Annexure 6

Prepared By:



Sujata Sahu

Asst. Manager-Environment

Reviewed by:



Parthasarathi Panda

Sr. Manager- Environment

ODISHA POWER GENERATION CORPORATION LTD
IB THERMAL POWER STATION (2×210MW)
COMPLIANCE STATUS OF CREP GUIDELINES

Period-April 2025- September 2025

Sl. No.	CREP Guidelines	Compliance Status/Steps initiated
1.	Implementation of Environmental standards (emission & effluent) in noncompliant power plants.	Not applicable being compliant plant. As per MoEF &CC notification dated 11th July-2025, the SO ₂ emission standards for Category-C thermal power plants has been waived off. Categorization of power plants attached as Annexure 2
2.	For existing thermal power plants, a feasibility study shall be carried out by CEA to examine possibility to reduce the particulate matter emissions to 100mg/Nm ³ .	No such feasibility study report or guideline so far received from CEA. However, as per stipulation by State Pollution Control Board, Odisha, ESP retrofitting job was taken up to achieve revised particulate emission norm, 100 mg/Nm ³ for both the units. Both the unit's ESPs retrofitting job has been completed.
3.	New/expansion power projects to be accorded environmental clearance on or after 1.4.2003 shall meet the limit of 100 mg/Nm ³ for particulate matter.	As per point no. 2, although being an old unit the retrofitting job had been taken up.
4.	Development of SO ₂ and NO _x emission standards for coal-based plants by Dec.2003	MoEF & CC vide their notification dt. 7 th December 2015 has issued SO ₂ and NO _x emission standards for coal based thermal power plants. As per MoEF &CC notification dated 11th July-2025, the SO ₂ emission standards for Category-C thermal power plants has been waived off. NO _x emission is within prescribed limit.
	New /expansion power projects shall meet the limit w.e.f. 1.1.2015	Not Applicable as 2X210 MW ITPS of OPGC is an old plant commissioned in 1994.
	Existing power plants shall meet the limit w.e.f.01.01.2006	As per MoEF & CC notification dt. 7 th December 2015, the compliance requirement is w.e.f. 01.01.2017. However, As per MoEF &CC notification dated 11th July-2025, the SO ₂ emission standards for Category-C thermal power plants has been waived off. All other emissions are within prescribed limit.
5.	Install /activate opacity meters/continuous monitoring systems in all the units by December 31,2004 with proper calibration system.	Continuous emission monitoring system has been installed since June 2005. Calibration is done by comparing offline test results tested through calibrated Stack Monitoring kit.

6.	Development of guidelines/standards for mercury and other toxic heavy metal emissions by December 2003	The standard /guideline for mercury emission as per MoEF & CC notification dt. 7th December 2015 don't cover power generation capacity less than 500 MW.
7.	Review of stack height requirement and guidelines for power plants based on micro meteorological data by June 2003.	Compliance by other agency/authority. However, the stack height requirement i.e. 220 meter is fulfilled.
8.	Implementation of use of beneficiated coal as per GOI Notification.	The matter has been taken to coal supplier, Mahanadi Coal Field Ltd. For supply of washed coal.
9.	Power plants will indicate their requirement of abandoned coal mines for ash disposal and Coal India/MOC shall provide the list of abandoned mines by June 2003 to CEA.	Complied
10.	Power plant will provide dry ash to the users outside the premises on uninterrupted access to the users within 06 months.	Dry fly ash is being provided to the interested users. Availability of adequate quantity of dry ash has been ensured to meet the users demand. OPGC has made 1200 MT/day dry ash collection facility which is about 35% of its total ash generation quantity.
11.	Power plant should provide dry fly ash free of cost to the users.	Complied.
12.	State P.W.Ds/ Construction and development agency shall also adhere to the specification/schedules of C.P.W.D. for ash/ ash based products utilization.	Compliance by other agency/authority.
13.	(i) New plant to be accorded Environmental clearance on or after 01.04.2003 shall adopt dry fly ash extraction or dry disposal system or medium(35 to 40%) ash concentration slurry disposal system or lean phase with 100% ash water recirculation system depending upon site specific environmental situation.	The requirement is incorporated in the design for its expansion project (unit 3 & 4). 100% dry fly ash extraction system and high concentration slurry disposal system with 100% ash water recirculation is being adopted.
	(ii) Existing plant shall adopt any of the systems mentioned in 13(i) by December 2004.	Complied. 35% dry ash collection facility has been provided. 100% ash water is being recirculated for reuse in ash handling.
14.	Fly ash mission shall prepare guide lines/manuals for fly ash utilization by March 2004.	New amended Fly Ash Notification has been published on 31.12.2021.

15.	New plant shall promote adoption of clean coal and clean power generation technologies.	Condition has been considered in Unit#3 & Unit#4
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Prepared By:

Sujata Sahu

Sujata Sahu

Asst. Manager- Environment

Reviewed by

Parthasarathi Panda

Parthasarathi Panda

Sr. Manager- Environment

ANNEXURE-I(A)							
ODISHA POWER GENERATION CORPORATION LTD							
IB THERMAL POWER STATION							
ENVIRONMENTAL MONITORING REPORTS							
Period-October'25 to March'26							
A. STACK EMISSION							
PARAMETER	NORM	STACK 1			STACK 2		
		MAX.	MIN.	AVE.	MAX.	MIN.	AVE.
SPM(mg/Nm³)	100	82	72	79	85	51	70
SOX	NA	1341	1011	1235	1363	1060	1258
NOX	NA	365	287	329	357	276	298
B. AMBIENT AIR QUALITY							
PARAMETER	NORM	MAX.		MIN.	AVE.		
PM ₁₀ (µg/m³)	100	89		54	80		
PM _{2.5} (µg/m³)	60	58		26	43		
SO ₂ (µg/m³)	80	19		12	14		
NO ₂ (µg/m³)	80	27		16	21		
C. AMBIENT NOISE LEVEL							
	INDUSTRIAL NOISE LEVEL,dB(A)			RESIDENTIAL NOISE LEVEL,dB(A)			
	Day time	Night time		Day time	Night time		
NORM	75	70		55	45		
Minimum	67	57		37	30		
Maximum	73	65		48	42		
Average	62	62		42	34		
D. LIQUID INDUSTRIAL EFFLUENT QUALITY							
PARAMETERS	UNIT	NORM	RESULT				
			MAX.	MIN.			
Temp(In)	°C	T(O) - T(I) = <5°C	-	-			
Temp(Out)			-	-			
pH at 25°C	NA	5.5-9.0	-	-			
Chloride as Cl	PPM	1000 max	-	-			
D.Phos as P	PPM	5.0 max	-	-			
O & G	PPM	10.0 max	-	-			
TSS	PPM	100 max	-	-			
TDS	PPM	2100 max	-	-			
Res chlorine	PPM	1.0 max	-	-			
BOD	PPM	30 max	-	-			
COD	PPM	250 max	-	-			
E. STP OUTLET							
PARAMETERS	UNIT	NORM	MAX.				MIN.
pH	-	6.5 - 9	6.56				6.41
TSS	PPM	20	23				10
BOD	PPM	10	17				11
Feecal Coliform	MPN/100ml	<100	146				121

**ASIAN GEOTECH RESEARCH SERVICES**(Civil Engineering Consultants & Testing Laboratory)
NABL Accreditation & ISO 9001:2015 Certified LabRegd. Off : Plot No. -4704/5004, Adimata Colony,
Near Sainik, School, Bhubaneswar, Odisha - 751017

TC-6270

STACK EMISSION MONITORING TEST REPORT

Format No-AGRS/FM/047

Customer Name:	Odisha Power Generation Corporation Limited.		
Customer Address	IB Thermal Power Station Banharipali, Jharsuguda, Odisha- 768234.		
Ref. No.	PO No.: 2500004969		
Lab Sample Id	AGRS260226/ST274	Date of Sample Receiving	27.02.2026
Sample Description	Stack Emission	Date of Testing	27.02.2026-02.03.2026
Date of Sampling	26.02.2026	Date of Reporting	02.03.2026
Location	Unit-1	Test Report No./ULR	TC62702600000273F

GENERAL INFORMATION ABOUT STACK		PHYSICAL CHARACTERISTICS OF STACK	
Stack Connected To	ESP	Height of the Stack from GL	220 Meter
Emission Due To	Burning of Coal	Diameter of the Stack	4.6 Meter
Material of Construction Of Stack	RCC with MS Flue Can	Height of the sampling from GL	45 meter
Shape of Stack	Circular	Area Of Stack/Duct	16.610 M ²

ANALYSIS RESULT

Sl.No.	Parameters	UOM	Protocol	Results
1	Temperature	°C	IS 11255: Part 3 :1985 (RA 2018)	104
2	Velocity of Gas	m/sec	IS 11255: Part 3 :1985 (RA 2018)	28.19
3	Quantity of Gas flow	Nm ³ /hr	IS 11255: Part 3 :1985 (RA 2018)	1372356.95
4	Concentration of Particulate Matter	mg/Nm ³	IS 11255(Part-1):1985 (RA 2019)	75.25
5	Concentration of SO ₂	mg/Nm ³	IS 11255(Part-2): 1985(RA2019)	1417
6	Concentration of NO _x	mg/Nm ³	IS 11255 (Part-7): 2005(RA-2022)	294
7	Oxygen (O ₂)	%	As Per SOP Method	8.51
8	Carbon Dioxide (CO ₂)	%	As Per SOP Method	10.20

*****End of Report*****

Report prepared by *Bdhan*
 Name: Bhagyashree Pradhan
 Designation: Chemical Analyst



Approved by *Harmohan Das*
 Name: Harmohan Das
 Designation: Quality Manager

Note:

- The results relate only to the item(s) test.
- This test report shall not be reproduced except in full, without the permission of AGRS.
- The reserved of sample(s) shall be retained for 07 days.
- This test result shall not be used in any advertising media or evidence in the court of Law without prior written consent of the laboratory.



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ASIAN GEOTECH RESEARCH SERVICES

(Civil Engineering Consultants & Testing Laboratory)
NABL Accreditation & ISO 9001:2015 Certified Lab

Regd. Off : Plot No. -4704/5004, Adimata Colony,
Near Sainik, School, Bhubaneswar, Odisha - 751017



TC-6270

STACK EMISSION MONITORING TEST REPORT

Format No-AGRS/FM/047

Customer Name:	Odisha Power Generation Corporation Limited.		
Customer Address	IB Thermal Power Station Banharipali, Jharsuguda, Odisha- 768234.		
Ref. No.	PO No.: 2500004969		
Lab Sample Id	AGRS260227/ST275	Date of Sample Receiving	28.02.2026
Sample Description	Stack Emission	Date of Testing	28.02.2026-02.03.2026
Date of Sampling	27.02.2026	Date of Reporting	02.03.2026
Location	Unit-2	Test Report No./ULR	TC627026000000276F

GENERAL INFORMATION ABOUT STACK		PHYSICAL CHARACTERISTICS OF STACK	
Stack Connected To	ESP	Height of the Stack from GL	220 Meter
Emission Due To	Burning of Coal	Diameter of the Stack	4.6 Meter
Material of Construction Of Stack	RCC with MS Flue Can	Height of the sampling from GL	45 meter
Shape of Stack	Circular	Area Of Stack/Duct	16.610 M ²

ANALYSIS RESULT

Sl.No.	Parameters	UOM	Protocol	Results
1	Temperature	°C	IS 11255: Part 3 :1985 (RA 2018)	117
2	Velocity of Gas	m/sec	IS 11255: Part 3 :1985 (RA 2018)	28.51
3	Quantity of Gas flow	Nm ³ /hr	IS 11255: Part 3 :1985 (RA 2018)	1235460.03
4	Concentration of Particulate Matter	mg/Nm ³	IS 11255(Part-1):1985 (RA 2019)	77.38
5	Concentration of SO ₂	mg/Nm ³	IS 11255(Part-2): 1985(RA2019)	1352
6	Concentration of NO _x	mg/Nm ³	IS 11255 (Part-7): 2005(RA-2022)	310
7	Oxygen (O ₂)	%	As Per SOP Method	6.45
8	Carbon Dioxide (CO ₂)	%	As Per SOP Method	9.73

*****End of Report*****

Report prepared by *Bdhan*
Name: Bhagyashree Pradhan
Designation: Chemical Analyst



Approved by *Harmohan Das*
Name: Harmohan Das
Designation: Quality Manager

Note:

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NABL Accredited & ISO 9001:2015 Certified Lab

Regd. Off : Plot No. -4704/5004, Adimata Colony,
Near Sainik, School, Bhubaneswar, Odisha - 751017



TC-6270

AMBIENT AIR TEST REPORT

Format No-AGRS/FM/047

Customer Name:	Odisha Power Generation Corporation Limited.		
Customer Address	IB Thermal Power Station Banharipali, Jharsuguda, Odisha- 768234.		
Ref. No.	PO No.: 2500004969		
Lab Sample Id	AGRS260209/AA214	Date of Sample Receiving	10.02.2026
Sample Description	Ambient Air Quality	Date of Testing	10.02.2026-12.02.2026
Date of Sampling	09.02.2026	Date of Reporting	12.02.2026
Location	Plant Gate	Test Report No./ULR	TC627026000000165F

ANALYSIS RESULT

Sl. No.	Name of the Parameter	Unit	Limit	Analysis Method	Result
1	Particulate Matter (PM ₁₀)	µg/m ³	100	IS 5182 (Part 23) :2006	51.5
2	Particulate Matter (PM _{2.5})	µg/m ³	60	IS 5182 (Part 24) :2019	38.6
3	Sulphur dioxide (SO ₂)	µg/m ³	80	IS 5182 (Part 2) :2001	8.89
4	Nitrogen dioxide (NO _x)	µg/m ³	80	IS 5182 (Part 6) :2006	13.29
5	Ozone (O ₃)	µg/m ³	180	IS 5182 (Part 9) :1974	BDL
6	Lead (Pb)	µg/m ³	1	IS 5182 (Part 22) :2004	BDL
7	Carbon Monoxide	mg/m ³	2	IS 5182 (Part 10) :1999	0.50
8	Mercury (Hg)	µg/m ³	--	IS 12041 :1987	BDL

*****End of Report*****

Report Prepared by *Bhagyashree*
Name: Bhagyashree Pradhan
Designation: Chemical Analyst



Approved by *Harmohan Das*
Name: Harmohan Das
Designation: Quality Manager

Note:

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Real Time Data Acquisition And Monitoring

Site Name: M/s. Odisha Power Generation Corporation Ltd, Ib. Thermal Power Station

Report: Custom Report

From Date: 2026/01/01 00:00:00 To Date : 2026/01/31 11:34:47

Description	CEMS_1_Boiler1_ESP-PM_U	CEMS_1_Boiler1_ESP-NOx_U	CEMS_1_Boiler1_ESP-SO2_U	CEMS_2_Boiler2_ESP-PM_U	CEMS_2_Boiler2_ESP-NOx_U	CEMS_2_Boiler2_ESP-SO2_U
Prescribed Standards	0 - 100	0 - 600	0 - 600	0 - 100	0 - 600	0 - 600
Maximum Data	68.99	378.82	782.38	75.29	431.36	1702.42
Minimum Data	52.89	378.65	781.98	20.36	431.14	1701.53
Geometric Mean	59.05	378.72	782.14	70.42	431.28	1702.11
Median	59.2	378.72	782.14	74.11	431.28	1702.14
Standard Deviation	4.14	0.04	0.11	12.41	0.06	0.23
Maximum Value At Time	2026-01-08	2026-01-02	2026-01-02	2026-01-27	2026-01-02	2026-01-24
Minimum Value At Time	2026-01-22	2026-01-31	2026-01-13	2026-01-15	2026-01-31	2026-01-31
Valid Data Points	31	31	31	31	31	31
Total Data Points	31	31	31	31	31	31
Data Availability %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

SI No.	Time	CEMS_1_Boiler1_ESP-PM_U	CEMS_1_Boiler1_ESP-NOx_U	CEMS_1_Boiler1_ESP-SO2_U	CEMS_2_Boiler2_ESP-PM_U	CEMS_2_Boiler2_ESP-NOx_U	CEMS_2_Boiler2_ESP-SO2_U
1	2026-01-01	60.96	378.71	782.16	73.58	431.25	1702.02
2	2026-01-02	61.25	378.82	782.38	73.03	431.36	1702.37
3	2026-01-03	55.36	378.79	782.34	72.38	431.34	1702.40
4	2026-01-04	56.34	378.74	782.20	71.82	431.27	1702.12
5	2026-01-05	65.08	378.70	782.16	73.81	431.26	1702.03
6	2026-01-06	60.64	378.73	782.22	72.33	431.32	1702.28
7	2026-01-07	61.98	378.77	782.29	74.12	431.35	1702.40
8	2026-01-08	68.99	378.74	782.26	73.46	431.30	1702.19
9	2026-01-09	60.86	378.70	782.09	74.45	431.29	1702.16
10	2026-01-10	65.81	378.72	782.12	74.89	431.27	1702.22
11	2026-01-11	61.29	378.73	782.10	74.72	431.24	1702.03
12	2026-01-12	55.51	378.70	782.05	74.11	431.23	1702.06
13	2026-01-13	61.98	378.68	781.98	74.96	431.22	1701.93
14	2026-01-14	53.61	378.67	781.98	29.95	431.27	1702.16

(5)6-41003/mA

	Time	CEMS_1_Boiler1_ESP- PM_U	CEMS_1_Boiler1_ESP- NOx_U	CEMS_1_Boiler1_ESP- SO2_U	CEMS_2_Boiler2_ESP- PM_U	CEMS_2_Boiler2_ESP- NOx_U	CEMS_2_Boiler2_ESP- SO2_U
SI No.							

15	2026-01-15	53.03	378.70	782.06	20.36	431.32	1701.92
16	2026-01-16	55.33	378.67	781.98	73.01	431.28	1702.19
17	2026-01-17	56.40	378.69	782.04	74.01	431.29	1702.24
18	2026-01-18	58.15	378.77	782.21	74.26	431.32	1702.26
19	2026-01-19	56.40	378.76	782.21	60.73	431.35	1702.40
20	2026-01-20	59.40	378.74	782.16	73.22	431.29	1702.17
21	2026-01-21	62.75	378.74	782.14	73.82	431.16	1701.60
22	2026-01-22	52.89	378.77	782.25	74.24	431.32	1702.30
23	2026-01-23	59.20	378.74	782.19	73.92	431.29	1702.12
24	2026-01-24	59.32	378.78	782.28	74.39	431.35	1702.42
25	2026-01-25	58.21	378.71	782.10	74.35	431.29	1702.14
26	2026-01-26	55.81	378.72	782.15	74.62	431.26	1702.03
27	2026-01-27	55.35	378.71	782.10	75.29	431.26	1702.04
28	2026-01-28	54.54	378.71	782.07	74.75	431.21	1701.88
29	2026-01-29	65.92	378.69	782.02	74.69	431.17	1701.63
30	2026-01-30	62.62	378.70	782.07	74.84	431.28	1702.11
31	2026-01-31	55.55	378.65	782.04	75.03	431.14	1701.53

Report Details: IBTPS | 2026-06-10 11:38:45 | Custom Report

390	Maharashtra	Ratan Power	NASIK (P) TPS	5	270	C	None	None
391	Maharashtra	MAHAGENCO	PARAS TPS	3	250	C	None	None
392	Maharashtra	MAHAGENCO	PARAS TPS	4	250	C	None	None
393	Maharashtra	MAHAGENCO	PARLI TPS	6	250	C	None	None
394	Maharashtra	MAHAGENCO	PARLI TPS	7	250	C	None	None
395	Maharashtra	MAHAGENCO	PARLI TPS	8	250	C	None	None
396	Maharashtra	SPPL	SHIRPUR TPP	1	150	C	None	None
397	Maharashtra	Adani Power Maharashtra Ltd	TIRORA TPS	1	660	C	None	None
398	Maharashtra	Adani Power Maharashtra Ltd	TIRORA TPS	2	660	C	None	None
399	Maharashtra	Adani Power Maharashtra Ltd	TIRORA TPS	3	660	C	None	None
400	Maharashtra	Adani Power Maharashtra Ltd	TIRORA TPS	4	660	C	None	None
401	Maharashtra	Adani Power Maharashtra Ltd	TIRORA TPS	5	660	C	None	None
402	Maharashtra	Wardha P C P L	WARDHA WARORA TPP	1	135	C	None	None
403	Maharashtra	Wardha P C P L	WARDHA WARORA TPP	2	135	C	None	None
404	Maharashtra	Wardha P C P L	WARDHA WARORA TPP	3	135	C	None	None
405	Maharashtra	Wardha P C P L	WARDHA WARORA TPP	4	135	C	None	None
406	Odisha	NTPC	DARLIPALI STPS	1	800	C	None	None
407	Odisha	NTPC	DARLIPALI STPS	2	800	C	None	None
408	Odisha	JIPL	DERANG TPP	1	600	C	None	None
409	Odisha	JIPL	DERANG TPP	2	600	C	None	None
410	Odisha	OPGC	IB VALLEY TPS	1	210	C	None	None
411	Odisha	OPGC	IB VALLEY TPS	2	210	C	None	None
412	Odisha	OPGC	IB VALLEY TPS	3	660	C	None	None
413	Odisha	OPGC	IB VALLEY TPS	4	660	C	None	None
414	Odisha	Ind barath	IND BARATH TPP	1	350	C	None	None
415	Odisha	Sterlite Energy Ltd	STERLITE TPP	1	600	C	None	None
416	Odisha	Sterlite Energy Ltd	STERLITE TPP	2	600	C	None	None
417	Odisha	NTPC	TALCHER STPS	1	500	C	None	None
418	Odisha	NTPC	TALCHER STPS	2	500	C	None	None
419	Odisha	NTPC	TALCHER STPS	3	500	C	None	None
420	Odisha	NTPC	TALCHER STPS	4	500	C	None	None



ASIAN GEOTECH RESEARCH SERVICES

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NABL Accreditation & ISO 9001:2015 Certified Lab

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Near Sainik, School, Bhubaneswar, Odisha - 751017



TC-6270

FUGITIVE MONITORING TEST REPORT

Format No-AGRS/FM/45

Customer Name:	Odisha Power Generation Corporation Limited.		
Customer Address	IB Thermal Power Station Banharipali, Jharsuguda, Odisha- 768234.		
Ref. No.	PO No.: 2500004475		
Lab Sample Id	AGRS250922/WZ21	Date of Sample Receiving	NA
Sample Description	Fugitive Monitoring	Date of Testing	22.09.2025-29.09.2025
Date of Sampling	22.09.2025-29.09.2025	Date of Reporting	03.10.2025
Location	Inside Plant	Test Report No./ULR	TC627025000000738F

ANALYSIS REPORT

Sl. No.	Sampling Location	Date of Sampling	UOM	Result
1	Rengali Ash Pond	22.09.2025	$\mu\text{g}/\text{m}^3$	332.25
2	Crusher House	23.09.2025	$\mu\text{g}/\text{m}^3$	564.37
3	Tilla Ash Pond	24.09.2025	$\mu\text{g}/\text{m}^3$	392.21
4	Track Hopper Unit-1&2	27.09.2025	$\mu\text{g}/\text{m}^3$	522.48
5	Silo (Fly Ash)	29.09.2025	$\mu\text{g}/\text{m}^3$	384.82

*****End of Report*****

*Note- As Per CPCB Guidelines, Permissible Exposure Limits for Industrial Area is $2000 \mu\text{g}/\text{m}^3$.

Report prepared by *B. Pradhan*
Name: Bhagyashree Pradhan
Designation: Chemical Analyst



Approved by *H. Das*
Name: Harmohan Das
Designation: Quality Manager

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Annexure-2(A)

ODISHA POWER GENERATION CORPORATION LTD

IB THERMAL POWER STATION

YEAR WISE TREE PLANTATION DETAILS OF OPGC AT ITPS

YEAR WISE TREE PLANTATION DETAILS OF OPSCA TIPS						Plant Area	Green Belt & High density natural green belt
Location	Name of Agency	Year	No. of trees planted	Name of the Species	No. of trees alive		
Colony, Guest House, Halipad,	Local agencies	1991-92/92-93	12,000	Akashia	9,550	1227.39	425
Periphery, Pump House, Filter House, Stores etc.				Sirish			
Periphery of Boundary Wall (Green Belt)	O.P.G.C.	1992-93/93-94	38,500	Chhatim	23,300		
				Kadamba			
Vacant place in front of SBI, Old Hanuman Temple back side of Store yard, colony road side.	Sidhartha agency, Jharsuguda.	1993-94/94-95	23,800	Panash			
				Neem			
i) Back side of Autobase, Falsamunda village area.	i) Sidhartha agency, Brukshyaropan	1994-95/95-96	20,000	Bottle brush	15,000		
	Samiti, Jharsuguda.			Bottle Palm			
				Chakunda			
ii) Coal yard side, either sides of main roads, Plant boundary, Railway lines, inside area between D.M. Plant, R.W. pump house and compound wall.	ii) Departmentally.		37,000	Jhaun	15000		
	Total:-			Sisoo			
				Golmohar			
Both sides of Rly. inline out side the plant boundary and Ash Pond area.	i) Green channel, Brukshyaropan	1995-96/96-97	40,000	Eucalyptus	31,155		
	Samiti & 3 Nos. of Club and Yubak			Gambhari			
	Sangha			Jarul			
Jhawn & Plantation coal handling plant area & other species on both sides of roads inside plant.	ii) Departmentally		34,500	Litchi			
				Amba			
Fuel Oil Pump house area, School, Hospital, Police station	iii) Local agencies		5,500	Baula			
	Total:-			Radhachuda			
Outer periphery of children Parks, Playgrounds etc.				Deodaru			
Ash Pond	i) Brukshyaropan		5,000	Karanja			
	Samiti			Pijuli			
	ii) Departmentally		5,000	Saguan			
Both side of Security road.	i) Brukshyaropan		5,000	baxa			
	Samiti			Mandar			
	ii) Departmentally		5,000	Rangani			
	Total			Areca Palm			
Ash Pond		1998-99/99-00	5,500	Juniperous	65,000		
				china Palm			
Ash Pond	By agencies	2000-2001	5,058	Musunda			
CHP & Plant	-do-		5,966	Karabira			
Colony	-do-		11,500	Golap			
Ash Filling Area (low lying area), Colony, Warehouse, SVM School (ITPS), Rengali School	-do-	2006-07	1,800	Thuja			
Inside Plant campus	-do-	2007-08	3,000		15,500		
Distribution of fruit bearing tree in Periphery villages	-do-	2008-09	4,000		4,500		
Block Plantation in association with District Environmental Society	Majhi		3,000		5,000		
Fruit bearing tree plantation at Gujapar and in Schools	do		350		5,000		
CHP & Learning Centre on Earth Day	Self	2009-10	120		15,500		
World Env Day	Self		150				
Govt. Land near Rengali Nursery	Karunakar Sahu		5000				
Vatarika & Adhapada Mandir- 150 nos fruit & flower tree, Inside Colony vacant place- 100 neem trees, World Env day- 150 neem & Devdaru tree inside Plant Premises, Gujapahar- 200 Fruit bearing trees, 800 Fruit bearing, Radha Chuda etc planted in Binika & Banaharpali through villagers	Self & through villagers	2010-11	1500	Neem, Karanja, Kadamba, chakunda etc	2000		
				Neem, Devdaru, Radhachura, Mango, Guava, Lemon, Jamun, Coconut, Lichi & Flower Plants	900		
Vacant space in between Boiler area scrap yard & clarifiers	Self	2010-11	100		70		
Inside Colony Vacant Places	Self	2011-12	150		100		
Vacant space at Coal Handling Plant	Self	2012-13	350		200		
Distribution of fruit bearing & Forest plant species in Periphery villages, 2000 nos	Self	2012-13	2000		1000		
Avenue Plantation at Banharpali & Ash Pond Road & 100 nos inside Plant premises	Self	2013-14	1300		900		
Sapling Distribution, 6000 nos	through nearby villagers		6000		3000		
Sapling Distribution, 5000 nos	through nearby villagers	2014-15	5000		2500		

Block & Avenue Plantation (OPGC old Pump House vacant space , old Adhapada Shlv Temple premises near Banaharpali & Tarrini Temple premises at Pump House Para)	Self		3000		1050	
Sapling Distribution	through nearby villagers, 4480 nos	2015-16	4480	Teak, Baula, Guava, Lemon, Karanj etc	2100	
Plantation inside Plant and Colony	Self		700		650	
Plantation inside Plant and Colony	Self	2016-17	200	Baula, Mango	192	
Plantation inside Plant	Self		8000	Karanja, Neem, Baula	8000	
Saplings Distributed, 15000 nos	Others			Grafted Mango, Guava, Teak, etc		
Plantation inside plant & township * 4000 Nos of mango sapling distributed	Self	2017-18	1885	Kadamba, Neem, Bakul, Siris & Karanja	1880	
Gap Plantation	Self	2018-19	10725	Baula, Neem, Karanj, Mango, Arjun, Sisoo, Teak.	10725	
Plantation inside Plant and Colony	Self	2019-20	265	Karanj, Neem Bakul	265	
Plantation inside Plant and Colony	Self	2020-21	300	Bakul	300	
Plantation inside Plant and Colony	Self	2021-22	200	Bakul, Neem, Karanj, Sisoo	200	
Plantation inside Plant and Colony	Self	2022-23	950	Terminalia, Baula, Neem, Karanja, Arjun	950	1.25
Plantation inside Plant and Colony	Self	2023-24	900	Terminalia, Baula, Neem, Kanchan	900	1
Plantation inside Plant and Colony	Self	2024-25	2500	Terminalia, mango, jack fruit & neem	2500	1.15
Plantation inside Plant and Colony	Self	2025-26 (Till 18.09.2025)	17280	Mango, jack fruit & neem	17280	0.25
Total			3,44,529		2,64,824	428.65
% Survival					76.9	
Green Belt%					34.92	

Total Area of Green Belt

In addition to above plantation at ITPS ,Compensatory Afforestation has been done by OPGC over 260 Ha. non-forest land in Deogarh, through Forest Department, Govt. Of Odisha.


Parthasarathi Panda

REPORT OF THE PLANTATION MONITORING COMMITTEE OF THE DISTRICT ENVIRONMENT SOCIETY, JHARSUGUDA, 2024-25.

INTRODUCTION

The Jharsuguda District Environment Society constituted a Plantation Monitoring Committee on dt.03.04.2013 under the Chairmanship of former Collector-Cum District Magistrate, Sri Niranjan Sahu, Divisional Forest Officer, Sri Aswini Kumar Kar, Former Vice Chancellor Sambalpur University, Sri Dhurbaraj Naik, Honorary Wildlife Warden for Jharsuguda District as its Chief, Sri Prahallad Naik Chief Coordinator District Eco-Club Coordination Committee, Jharsuguda, former ACF, Jharsuguda Forest Division, Sri Basil Barla, DSP of Police, Tahasildar, Jharsuguda, ADHO, Jharsuguda, RO, SPCB, Jharsuguda and all DES and DECC Members are attend. Since then, the committee is inspecting industrial premises at least twice every year for monitoring the plantation activity.

Environment can be defined as a sum total of all the Living or biotic Elements (Animal, Plant, Forest, Fisheries & Birds) and non-living elements or non-biotic element (Water, Land, Sunlight, rocks & Air) and there effect that influence human Life. Industrialization has led to habitat destruction through deforestation, mining and other human Activities. As per the Air Quality Index (AQI) of Jharsuguda District (raising from 112 to 123) is unhealthy for Sensitive groups which can be immediately felt. Healthy individuals may experience difficulty in breathing and throat irritation with prolonged exposure. In order to protect/conservse the Environment massive plantation programme inside & outside the plants/Mines is badly necessary. in this Connection the Collector & District Magistrate Jharsuguda had Convened the district Environment Society meeting on Dated 20.07.2024 at 11.30 AM in the DMF conference Hall, Jharsuguda where all the Official of Corporate Sectors were also present in the meeting and the Plantation target of the current Year 2024-25 has been fixed to the all Corporate Sectors for greenery. Further they are instructed to cover the 33.3% greenery of the total acquired land or as per the specific term & conditions of the Environmental clearance of the concerned Corporate Sector. In order to review to the census of tree planted over the Years, the Divisional Forest Officer, Jharsuguda in his Letter No 4719(19)4F(Miss) Dt 17.08.2024 had instructed all the Corporate Sector of his District to Co-operate District Plantation Committee members during their visit.

Inspection (2024-25)

The Plantation Monitoring Committee comprising of Sri Prahallad Naik, Honorary Wildlife Warden-Cum-Chief Coordinator, Jharsuguda, Deputy Collector, Jharsuguda, Tahasildar, Jharsuguda, Asst. Director, Horticulture, Jharsuguda, Asst. Environment Engineer, State Pollution Control Board, Jharsuguda, DIPRO, Jharsuguda, DES Members Sri Tapas Rai Choudhary, Prof. Tahalu Sahu, Sri Trinath Gual, Sri Bijay Behera, Sri Benudhar Choudhary, Sri Abhisekh Lath & Asst. Conservator of Forests, Jharsuguda Forest Division inspected various industrial premises as per the following schedule.

Date	Industries/mines inspected
04.09.2024	IB Valley, MCL Lakhanpur
05.09.2024	NLC Talabira, LN Metallicks Sripura
06.09.2024	OPGC Banharpali, Ind Barath, JSW
11.09.2024	Sesa Starlite (Vedanta Alumina) IOC
12.09.2024	TRL, Global Coal
13.09.2024	SMC Power, Comcast Stell & Power MSP Metallicks
20.09.2024	Ultra Tech Cement, Fortise Chemicals, Jay Hanuman, Seven Star
21.09.2024	MCL Orient Area, TPSI Lahundabud.

GENERAL REMARKS:

1. It was not intended to conduct the census of trees planted over the years. An overall estimation of the greenery in the accessible areas with the industrial areas was made which protects the health condition of the employees working inside. Also, the Govt. land allotted to them outside the plant where also inspected the main objective of district administration to make greenery around the urban areas as well as affected areas to protect the environment of this district.
2. They are advised to plant environment friendly species of plants which absorbed CO₂ gas in more quantity and fruits bearing trees as well.
3. It was observed some of the industries/mines have not achieved their target assigned to them. They are advised to makeup the deficiency by end of the year.
4. To plant the trees is not important. The survival of the plant is most important. They are advised to take care of the trees with utmost care and dedication.
5. The committee observed that, some of the industries have planted outside the plants in scattered areas (in less than half acer areas), which is not advisable. They should be applied for one or more patch area at least more than two acers.
6. Further, they are advised to adopt 4 to 5 adjacent villages so that, the negative mind set of villagers towards the plants will be removed.
7. All the corporate sector are advised to follow their environment clearance points and display it on their respective websites for public visibility and social audit.
8. In some point of dumping area of MCL IB-Valley area extra funds may be provided for easy transportation/communication of labours to the top point, where plantation have been carried out. Further, they are also instructed to provide facility of Water Tanker in the said area.

Sl No.	Name of Industries/ Mines	Total land Acquired (Ac)	33.3% of area (Ac)	Land planted (Ac) up to 2023-24	Plantation Achieved during 2024-25		Total area planted inside premises (Ac) up to 2024-25	Total nos. of saplings planted during 2024-25 (inside & outside)	Remarks/ percentage Achieved
					Inside premises (Ac/No)	Outside premises (Ac/Km)			
01	MCL IB Valley	3474.558	1158.07	1132.79	12.35	180 Ac. 116800 nos	1145.25	2000	32.96%
02	MCL Orient Area (Contain data of 5 nos of mines)	361.441 Ac.	119.274 Ac	161.274 Ac.	11.268 Ac.	-	148.618 Ac.	10000	
03	Integrated Lakhanpur-Belpahar-Lilari OCP Lakhanpur Area, MCL	10870.77 Ac	3587.35 Ac.	1799.55 Ac.	29.65 Ac. (7500 nos are being carried out)	149.50 Ac. 76000 nos	1799.55 Ac. have already been planted 26.65 Ac. work in progress	76000 nos outside lease area 7500 nos inside lease area (work in progress)	
4	SMC Power Generation Limited, Unit-2, Badmal	196.188 AC	65.3 AC	39.1 AC	13.06 AC	NIL	52.16 AC	6500	
5	SMC Power Generation Limited Hirma, Jharsuguda	275.63 Ac	90.95 Ac	104.79 Ac	550 nos of saplings	50 nos of saplings	0.74 Ac.	600 nos of saplings	
6	JSW Energy (Utkal) Limited	Total Land Area-592 Acre	196 Ac.	25.0 Ac. (3000 nos)	23 Acre/ 15000 nos	2 Acre/ 1000 nos	90 Acre	60000 (55000+5000)	12.7 %
7	Vedanta Ltd., Jharsuguda Smelter & CPP	1876.10	619.12	619.12	Additional area Nil/ 3000 No sapling planted in gap Filling	50 acres	619.12	3000 (inside premises)	33% achieved as per EC. Further Planting 1 Lakhs Sapling under Matrivani Project in FY 2024-25
8	Vedanta Ltd., Jharsuguda 2400 MW TPP	534.14	176.26	176.26	Additional area Nil/		176.26	2000 (inside premises)	

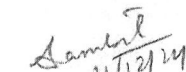
					2000 No sapling planted in gap Filling				
9	TRL Krosaki Refractories Ltd.	156.27	54.60	.513 Ha. 1300 Sapling		4 Ha. 1000 Sapling	.913 ha.	2300 nos	34.94 %
10	Integrated Lakhanpur- Belpahar-Lilari OCP, Lakhanpur Area, MCL	10870.77	3587.35	1799.5 5	29.65 / 7500 nos. are being carried out	149.50 / 76000 nos.	1799.55 Acre have already been planted. 29.65 Acre work is in process	76000 nos. outside lease area 7500 nos. inside lease area (work is in process)	
11	L N Metallics Limited	29.64	9.87	10.16	250	2000	10.16	2250	
12	Talabira II & III OCP, NLC India Limited	Total lease area- 4729.649 Total acquired land - 4162.236	1560.78	Plante d - 7.413 Natura l vegetat ion - 2103.9 6	18680 nos (18.532 Ac)	16000 nos (4.942 Ac)	25.945	34680 Nos	Green cover exist over 51.17 % of acquired area
13	2x210MW unit31 & Unit #2 & 2x660 MW unit#3 & Unit# IN Thermal Power Station of Odisha Power Generation Corporation Ltd.	1227.39	405	427.25	0.61	5	427.86	4700	34.86
14	IB Valley Coal Washery (10MTPA), MCI	90.36	30.08	21.35	3.78/24 50 nos of trees planted	Nil	25.13 Ac have already been planted 4.95 Ac plantation work under progress	2450 nos of trees planted inside premise Plantation work for 3200 nos of saplings is	

								under progress	
15	Seven Star Steel Ltd.,	53.50	17.82	17156	744	1350	18.80	2094	35.14
16	Odisha Metalics Pvt. Ltd., Marakuta	256.54 Ac.	84.66 Ac	9.88 Ac.	6000 nos of saplings	1500 nos of saplings	12.35 Ac	7500 nos of saplings	100%
17	TPSL Lahandabud	178	71.19 Ac 40% of the total land	71.19A c.	5842	2020	Replantatio n died plants 5.5 Ac. Scattered	7862	100%
18	Ultratech Cement Ltd.	165 Ac.	55	52.8 Ac	2288 nos 2.47 Ac.	400 nos (0.4 Ac.0	55.28 Ac	2688	33.5%
19	Jai Hanuman Udyog	37.00 Ac.	12.5 Ac.	500 nos	500 nos	Patrapali to Jaihanum an (500 nos)	12.5 Ac.	1000	100%
20	OPGC, Banharpali	1227.39 Ac.	405.00 Ac.	427.25	0.61 Ac.	5	427.86 Ac.	4700	34.86 %
21	Concast Steel & Power SMC Power Unit-I, Hirma	275.63 Ac.	90.95 Ac.	104.79 Ac.	1.10 Ac.	Nil	105.98 Ac.	450 nos	
22	Fortis Chemical Pvt. Ltd.	8.02 Ac.	2.64 Ac.	1045 nos	245 nos	Both side of the road between Boundary of Apar Industries to Kendutikr a village	2.64 Ac.	1045	100%
23	APPAR	13 Ac.	4.29 Ac.	2.29 Ac.	1.25 Ac.	0.75 Ac.	3.54 Ac.	2032	27.23 %


(B. Naik) 11/12/24


(B. Dung Dung) 11/12/24


(M. Nanda) 11/12/24


(S. Munda) 11/12/24

(S. Kumbhar)

Honorary,
WL Warden-cum-
Chief Coordinator DECC

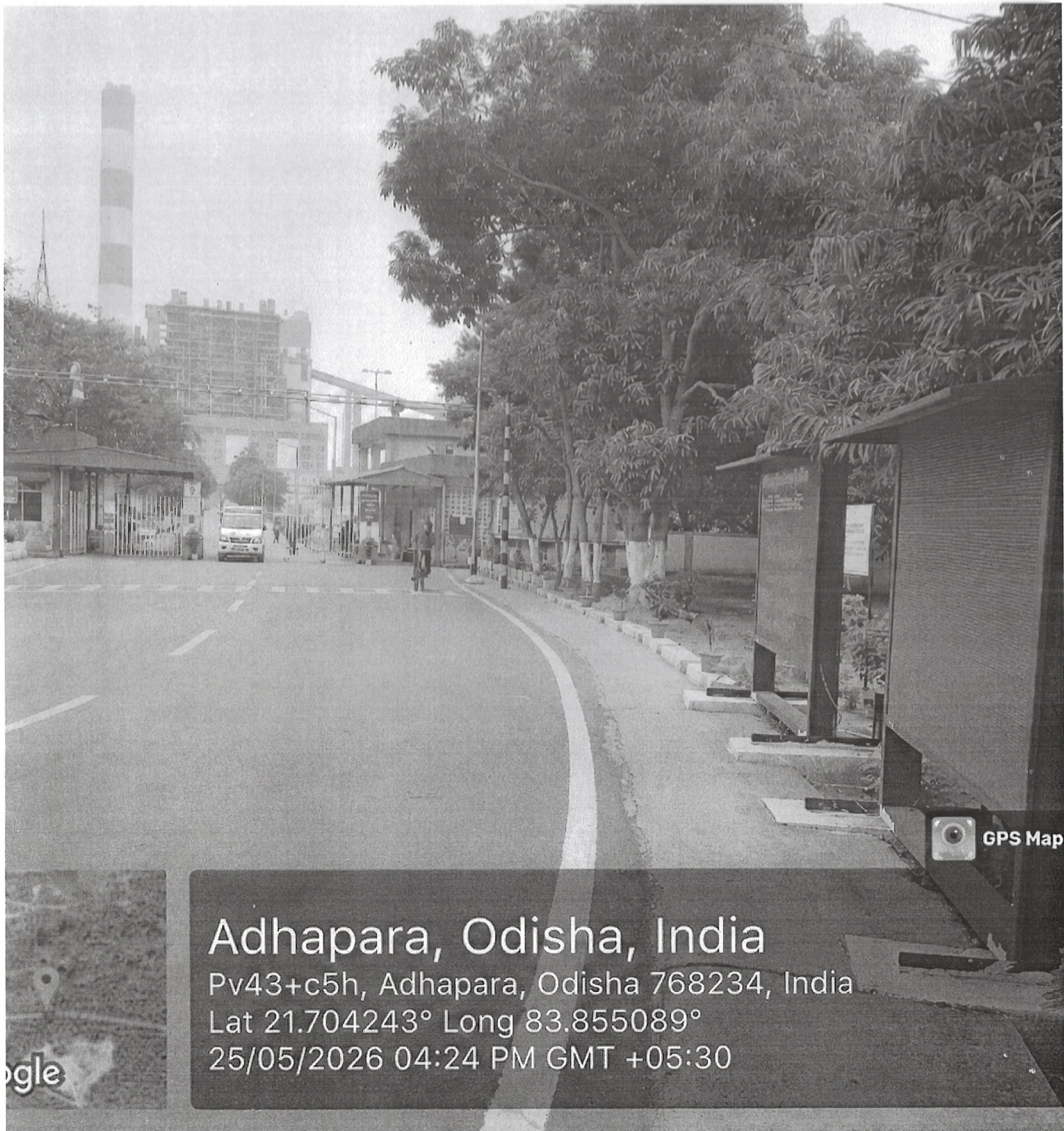
ACF,
Jharsuguda Forest

ADHO,
Jharsuguda

Asst. Env. Engineer,
Jharsuguda

Tahasildar,
Jharsuguda

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