

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL  
SOUTHERN ZONE BENCH AT CHENNAI**

**Original Application No. 33 of 2023 (SZ)**

Nukatati Rajasekhar & another

.... Applicants

-Vs-

Union of India,  
Through its Secretary,  
Ministry of Environment Forest and CC  
& 6 others

... Respondents

**INDEX OF DOCUMENTS FILED BY 7<sup>TH</sup> RESPONDENT IN RESPONSE  
TO CPCB'S FINAL REPORT DATED 10.08.2023**

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Certified that the above documents are true copies of its originals  
Dated at Chennai on this the 08<sup>th</sup> day of September, 2023

  
Counsel for 7<sup>th</sup> Respondent

GOVERNMENT OF ANDHRA PRADESH  
REVENUE DEPARTMENT

From:  
The Chief Commissioner of  
Land Administration & Special  
Chief Secretary to Govt. Andhra Pradesh,  
HYDERABAD.

To  
The Principal Secretary to Govt.  
Revenue (Assign II) Department  
Andhra Pradesh Secretariat,  
HYDERABAD (W.E).

CCLA's Lr. No. Assign-II (2) / 990 / 2008, Dt. 14-08-2014.

Sir,

Sub: LAND - East Godavari District - Lease of renewal of Turupulanka and sand shoals in River Godavari measuring an extent of Ac.612.71 cents in Rajahmundry (village) and (M) requested for lease a further period of (10) years from 01.07.1999 to 30.06.2009 - the proposal is placed before the APLMA for necessary action - Reg.

- Ref: 1. Government Memo.No.46260/Assn.VI/99-8, Revenue (Assn.VI) Department, Dated: 13.06.2008.  
2. C.C.LA's Ref.No.SPLB2/990/2008, Dated: 05.07.2008.  
3. Memo.No.15-1-08-613/613/ID, Dt: 01.10.2008 of Commr. of Industries, Hyderabad.  
4. Collector, East Godavari District Ref.No.E1/2386/2003, Dt: 24.10.08.  
5. Minutes of the Meeting of APLMA held on 22.7.2014 vide SI.No.11

-000-

Kind attention of the Government is invited to the references cited.

Earlier, the Government have issued orders vide G.O.Ms.No.810 Revenue (Assn.I) Department, Dated: 04.08.1992 granting lease in an extent of Ac. 612.71 cents situated in Turupulanka and sand shoals in River Godavari to A.P. Paper Mills, Rajahmundry for discharge of its treated industrial effluents for a period of 10 years with effect from 1.7.1989 or till the completion of dedicated drain whichever is earlier in favour of A.P. Paper Mills Limited, Rajahmundry at the rate of Rs.300/- per acre per annum.

Subsequently, the Collector, East Godavari district in his reference No. E1/3517/95, dated: 02.06.1999 has submitted proposals directly to the Government for extension of lease for a period of (10) years i.e., from 01.07.1999 to 30.06.2009 @ Rs.525/- per acre per annum (Rupees Five hundred and twenty five only) and increase of lease of lands leased out for Non-Agricultural Purpose @ 10% per annum, as the existing lease has expired by 30.06.1999.

The Collector, East Godavari District in his reference dated: 9/2002 has furnished a calculation sheet on fixation of lease rent with effect from 01.07.1999 to 30.06.2009 and the same was sent to Government.

The Collector, East Godavari District in his reference dated: 24.10.2008 has submitted a detailed report informing that after obtaining estimates from the Zonal Manager, A.P.I.J.C. Kakinada an amount of Rs.160.00 Crores may be required for execution of the dedicated drain from (1) Rajahmundry to Avutamanda (2) Maredubaka to Tallavuru (for formation of dedicated drain).

Vide D.O.Lr.No.15-1-2008-1272-1272-ID, Dated: 18.08.2009, the Commissioner of Industries has informed that important issues that are likely to come up in the State Investment Promotion Board Meeting for discussion on the issue pertaining to Andhra Pradesh Paper Mills i.e., continuation of lease on long term basis for an extent of Ac.612.71 cents and Sand Shoals in the river bed of Godavari for a period of (50) years at existing rates.

Vide C.C.LA's Lr.No.Spl.B2/990/2008, DATED: 21.08.2009 a factual report was sent to the Commissioner of Industries, Hyderabad requesting the Commissioner of Industries, Hyderabad to appraise the above facts to the Government for taking further necessary action in the matter.

The proposal of the Collector, East Godavari District has been placed before the APLMA in the meeting held on 22.7.2014 for taking a decision in the matter.

The Director, Government Relations & Regulatory Affairs International Paper APPM Limited has attended the meeting and stated that the last lease rental fixed by the State Revenue Department was @ Rs. 300/- per acre per year, which for 612.71 acres works out to Rs. 1,83,813/- this amount had been paid regularly by the company since the year 1999, till June 2015. Sri Rajat Kumar, Commissioner Industries explained the need to support the proposal as it is an established unit running successfully and the precondition in the GO regarding common drain construction is not relevant now as it is shelved.

The APLMA has decided to recommend the proposal to the Government for renewal of lease from 1999 to till 2009 and for a further period of 33 years in favour of the International Paper Limited, Rajahmundry, East Godavari District at 10% of the present market value as lease amount with a provision for enhancement of lease amount in a block period of 5 years. The Collector to recover the lease amounts dues from 1999 to till date and collect every year hereafter.

The proposal of the Collector, East Godavari District along with connected record and the minutes of the meeting of the APLMA held on 22.7.2014 are submitted herewith to the Government for necessary action in the matter.

Yours faithfully,  
Sd/- P.Lakshmi Narasimham,  
For Chief Commissioner.

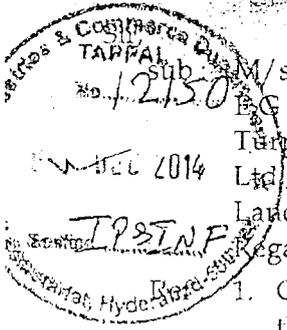
Copy to the Collector, East Godavari District.

GOVERNMENT OF ANDHRA PRADESH  
COMMISSIONERATE OF INDUSTRIES :: HYDERABAD

From The Commissioner of Industries,  
Government of Andhra Pradesh,  
Chirag Ali Lane, Abids,  
Hyderabad.

To The Principal Secretary to Government,  
Industries and Commerce Department,  
Government of Andhra Pradesh,  
Secretariat, Hyderabad..

Lr. No. 29/1/2014/14744 dated : 29/11/2014



M/s. International Paper Mills Ltd., (AP Paper Mills Ltd.) Rajahmundry, E.G District - Renewal of the lease of Lanka land of Acs. 612.71Cts at Turupulanka and sand shoals in River Godavari in favour of AP Paper Mills Ltd, for a further period - Genuineness of the requirement of Government Land and Justification report in Annexure-XI -Remarks - Submitted - Regarding.

1. Government Memo No. 9098/IP&INF/A3/2014, Dated 26/09/2014 of the Deputy Secretary to Government, Industries and Commerce department.
2. Lr. No. 862/A1/2012, Dated 07/11/2014 of the General Manager, District Industries Centre, Kakinada, East Godavari District.

&&&&&

In the reference 1<sup>st</sup> cited, the Deputy Secretary to Government, Industries and Commerce department has forwarded the proposal of M/s. International Paper Mills Ltd., (AP Paper Mills Ltd.,) Rajahmundry, E.G District and requested to place the matter before the sub-committee and examine the extent of requirement of the land, period of lease to be granted further to the said company apart from treating the already expired period from 1-7-1999 to 30-6-2009 as lease period, in terms of the Land Allotment Policy issued in G.O. Ms. No. 571 Revenue (Assn-I) Department, dated 14/09/2012.

In the 2<sup>nd</sup> reference cited, the General Manager, District Industries Centre, Kakinada, East Godavari District has informed that he has inspected the site along with Deputy Director (Credit) of his office and found that the unit is working satisfactorily and collected the following information from the units.

1. Details of lease rent paid by the company with evidence from July, 1999 to June, 2015 with supporting documents.
2. IT returns for the last three years i.e., from 2011-12 to 2013-14.
3. Sketch of Turupulanka lands.
4. Letter from Min. of Env. & Forests, Govt. of India.
5. Valid CFO from APPCB.

Further, the GM is informed that the said land of extent Ac.612.71 cents in the Village Turupulanka and sand shoals in the River Godavari is already being utilized by the unit A.P. Paper Mills for discharge of treated Industrial effluents since 1969 and the lease proposal of the above said lands has been further extended up to

30/06/1999 through various Government orders. The unit has paid lease rent as fixed vide G.O Ms.No.810 till 30/06/2015 and recommended for renewal of the lease from 1999 to 2009 and for a further period of 33 years in favour of the unit as per the recommendation of APLMA.

Therefore it is recommended to Government to consider the request of the unit for renewal of lease period from 1999 to 2009 and for further period of 33 years as per the recommendation of the APLMA at 10 % of present market value as lease amount with provision for enhancement of lease amount in a block period of 5 years.

Sd/- Rajat Kumar,  
Commissioner of Industries.

// Attested //

  
Joint Director (INF)



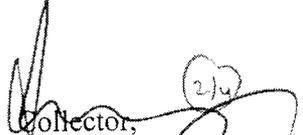
Ref:E1/495/2016, Date: .04.2016

Collector's Office, Kakinada.

**TO WHOSOEVER IT MAY CONCERN**

International Paper (India) Private Limited formerly known as IP Paper (India) Pvt.Ltd., its Regd.Office, 8<sup>th</sup> Floor, Krishe Sapphire Building, Hi-Tech City Main Road Madhapur, Hyderabad – 500 081, had made a representation dated 3<sup>rd</sup> March, 2016, seeking for Renewal of Lease of Turpulanka Land/Sand Shoals at Rajahmahendravaram City and Urban Mandal, East Godavari District.

According to the information furnished by the Authorized Official of the International Paper APPM Limited, the lease proposal for the land of an extent of Ac.612.71 cents located in Turpulanka and Sand Shoals in River Godavari is under consideration of the Government and the representation dated 3<sup>rd</sup> March, 2016 which has since been filed by the Organization recently to this office is referred to Sub Collector, Rajahmahendravaram for submission of a report on the further renewal of lease as has been applied for by the Organization.

  
Collector,  
East Godavari Distriet,  
Kakinada.  
Jagp  
3/18/16  
18/4/2016  
18/4  
DNO

Ref.(B)35/2016, dated 18.03.2023.

Tahsildar's Office,  
Rajamahendravaram Urban.

From:  
Sri V.Suswagatham,  
Tahsildar,  
Rajamahendravaram Urban.

To  
The Vice President (Operations),  
& Mill Manager, Andhra Paper Ltd.,  
Rajamahendravaram.

Sir,

Sub: Lease - Rajamahendravaram Urban Maridal - Request to provide boat for Survey team - Renewal of Lanka Land measuring an extent of Ac.612.71cts lease to APPM, Rajamahendravaram - Regarding.

Ref: Instructions of the Revenue Divisional Officer,  
Rajamahendravaram, dated .03.2023.  
@@@

I invite your attention to the reference cited, wherein the Revenue Divisional Officer, Rajamahendravaram has directed to furnish Renewal of Lanka Land measuring an extent of Ac.612.71cts lease to APPM, Rajamahendravaram.

In this connection, it is hereby requested provide a boat for Survey team to survey the Lanka land proposed for lease to APPM, Rajamahendravaram on 20.03.2023.

Yours faithfully,

  
Tahsildar,  
Rajamahendravaram Urban.

Copy submitted to the Revenue Divisional Officer, Rajamahendravaram for favour of information.

Copy submitted to the Collector, East Godavari District, Rajamahendravaram for favour of information.



Lr.No : APL/ENV/2023/07- 574

Date: 29.07.2023

The Hon'ble District Collector & Magistrate  
East Godavari District,  
Rajamahendaravaram.

**Subject:** Andhra Paper Limited, Rajamahendravaram - Turupulanka Island Land Lease  
Renewal regarding

REF :

- 1) APIIC Lr.No : PM/KPU/APIIC/101/97,dt.21.02.2014
- 2) Revenue Department Lr.No : Assign-II(2)/990/2008, dt.14.08.2014
- 3) Commissionerate of Industries Lr.No: 29/1/2014/14744,dt.29.11.2014
- 4) APPCB Directions to Andhra Paper Limited under various orders.

Respected Madam

Your kind attention is invited to the references cited above.

Earlier, the Government have issued orders vide G.O.Ms.No : 810 Revenue (Assignment.I) Department , dated : 04.08.1992 granted lease in an extent of Ac.612.71 cents situated in Turupulanka and sand shoals in the River Godavari to Andhra Paper Limited, Rajamahendravaram for discharge of its treated effluents for a period of 10 years with effect from 01.07.1989 at the rate of Rs.300/- per acre per annum. The said lease rental amount works out to Rs.1,83,813/- per annum had been paid regularly by the company till June 2022. Andhra Paper Limited approached Government for necessary renewals on long-term basis, an established industry and running successfully.

- 1) **The APLMA has recommended** the proposal to the Government for renewal of lease **from 1999 to till 2009 and for a further period of 33 years** in favour of Andhra Paper as per reference cited no.2
- 2) **Further Commissioner of Industries also recommended** the proposal to the Industries & Commerce Department for renewal of lease from 1999 to till 2009 and for a further period of 33 years in favour of Andhra Paper as per reference cited no.3 with direction to fix revised lease rentals as per prevailing policies of Government.
- 3) **Committee headed by Sub- Collector inspected Turupulanka on 28.09.2016** for fixation of lease amount as per directions of the then Hon'ble District Collector.

### ANDHRA PAPER LIMITED

(Corporate Identity Number: L21010AP1964PLC001008)

Regd. Office: Rajamahendravaram – 533 105, East Godavari District, India. Tel: +91-883-2471831

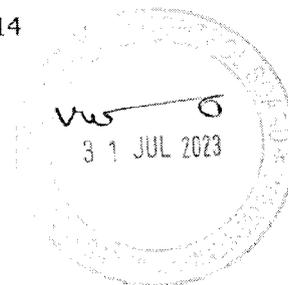
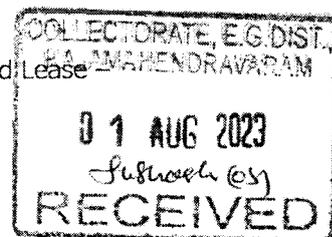
Corp. Office: 31, Chowringhee Road, Park

Street, Kolkata – 700 016, India. Tel: +91-33-71500500

Website: [www.andhrpaper.com](http://www.andhrpaper.com); Email: [info@andhrpaper.com](mailto:info@andhrpaper.com)

An ISO 9001:2015, ISO 14001: 2015, ISO 45001: 2018 and FSC® Certified Company

(FSC® - C084811, FSC® - C119477 & FSC® - C112308)





Subsequently, Turupulanka land survey conducted by Office of The Tahsildar – Rajamahendravarm Urban on **20.03.2023**, as per Hon'ble District Collector directions and we came to understand that, the said report had been submitted to District Collector's office.

**APPCB took note of the status of directions** issued to Andhra Paper on "Renewal of Turupulanka Land lease" during its External Advisory Committee and other review meetings and through its orders / directions. Most recently **during personal hearing on 25.07.2023, APPCB directed us to pursue with District Administration to obtain final lease renewal order for the compliance.**

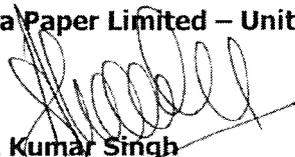
**In view of the facts mentioned above and based on APPCB directions, we now seek your support to obtain Renewal of Turupulanka Lease at the earliest.**

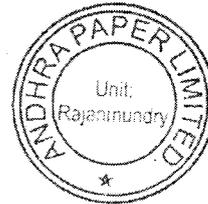
For your ready reference, we attach herewith copies of the relevant documents cited above.

Thanking you

Yours Sincerely

**Andhra Paper Limited – Unit: Rajahmundry**

  
**Ashok Kumar Singh**  
**Vice President (Operations) & Mill Manager**



CC: Environmental Engineer, Regional Office – Kakinada - For Kind information  
Member Secretary – APPCB, Board Office – For Kind Information

## **ANDHRA PAPER LIMITED**

(Corporate Identity Number: L21010AP1964PLC001008)

Regd. Office: Rajamahendravaram – 533 105, East Godavari District, India. Tel: +91-883-2471831

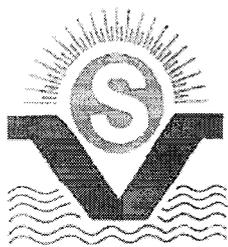
Corp. Office: 31, Chowringhee Road, Park

Street, Kolkata – 700 016, India. Tel: +91-33-71500500

Website: [www.andhrapaper.com](http://www.andhrapaper.com); Email: [info@andhrapaper.com](mailto:info@andhrapaper.com)

An ISO 9001:2015, ISO 14001: 2015, ISO 45001: 2018 and FSC® Certified Company

(FSC® - C084811, FSC® - C119477 & FSC® - C112308)



# SV ENVIRO LABS & CONSULTANTS

(Environmental Engineers & Consultants in Pollution Control)

Corporate Office : Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012  
 & Laboratory www.svenvirolabs.com, Ph:0891-2755528, Cell: +91 9440338628  
 info@svenvirolabs.com, svenviro\_labs@yahoo.co.in

Branch Office : 2-53, Mahipala Street, Yanam - 533464.

Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



Ref: SVELC/APML/23-01/04

Date: 24-01-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner – New Wood Yard

DATE & TIME OF COLLECTION : 11-01-2023@ 11:00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

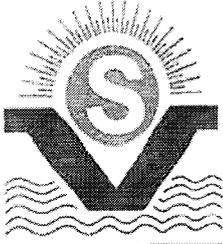
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	61.5	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	22.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	15.9	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	22.4	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	186	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.0	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	27.9	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

CHECKED BY 

SV ENVIRO LABS & CONSULTANTS 



# SV ENVIRO LABS & CONSULTANTS

(Environmental Engineers & Consultants in Pollution Control)

Corporate Office : Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012  
& Laboratory : www.svenvirolabs.com, Ph:0891-2755528, Cell: +91 9440338628  
info@svenvirolabs.com, svenviro\_labs@yahoo.co.in

Branch Office : 2-53, Mahipala Street, Yanam - 533464.

Recognized by Govt.of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



Ref: SVELC/APML/23-01/03

Date: 24-01-2023

NAME AND ADDRESS : **M/s. ANDHRA PAPER MILL LIMITED.,**  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : **AMBIENT AIR QUALITY**

SOURCE OF COLLECTION : South East Corner – Godavari House

DATE & TIME OF COLLECTION : 11-01-2023@ 10:40 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	55.7	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	22.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.1	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	24.3	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	179	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.4	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	27.5	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

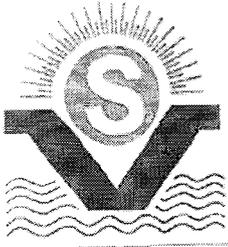
CHECKED BY

*MR. S. S. 1*



SV ENVIRO LABS & CONSULTANTS

*ALLY*



# SV ENVIRO LABS & CONSULTANTS

(Environmental Engineers & Consultants in Pollution Control)

**Corporate Office :** Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012  
**& Laboratory** www.svenviolabs.com, Ph:0891-2755528, Cell: +91 9440338628  
 info@svenviolabs.com, svenviro\_labs@yahoo.co.in

**Branch Office :** 2-53, Mahipala Street, Yanam - 533464.

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Ref: SVELC/APML/23-01/02

Date: 24-01-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 11-01-2023@ 10:20 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

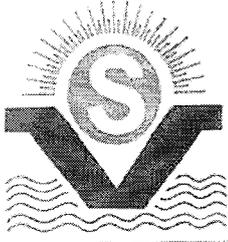
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	55.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	23.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.4	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	24.5	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	153	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.2	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	30.2	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

**Remarks:** As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments..	APM 250 S. No 114 –DTA-2019	25/10/2022	24/10/2023

  
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(Environmental Engineers & Consultants in Pollution Control)

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Ref: SVELC/APML/23-01/01

Date: 24-01-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : SouthWest Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 11-01-2023@ 10:00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

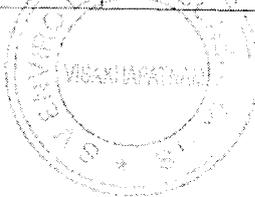
## TEST REPORT

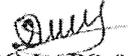
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	58.9	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	16.1	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	22.8	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	181	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.8	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	40.0	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

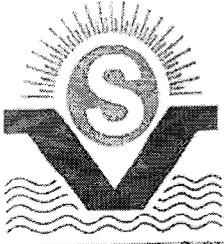
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No 113-DTA-2019	25/10/2022	24/10/2023

  
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Ref: SVELC/APML/23-02/04

Date: 25-02-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner – New Wood Yard

DATE & TIME OF COLLECTION : 16-02-2023 @ 11:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

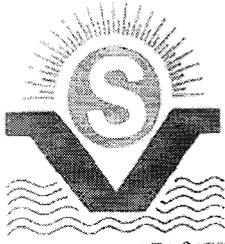
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	63.5	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	23.8	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	16.6	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	24.3	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	194	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.4	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	29.0	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

**Remarks:** As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-02/03

Date: 25-02-2023

**NAME AND ADDRESS :** M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

**SAMPLE PARTICULARS :** AMBIENT AIR QUALITY

**SOURCE OF COLLECTION :** South East Corner – Godavari House

**DATE & TIME OF COLLECTION :** 16-02-2023 @ 11:10 hr

**DURATION OF SAMPLING :** 24 Hours

**ATMOSPHERE CONDITION :** Clear Sky

## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	58.7	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	24.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	18.3	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	26.4	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	187	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.7	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	28.3	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	PCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

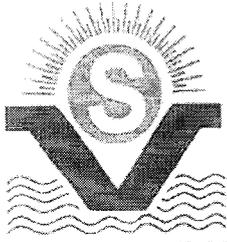
**Remarks:** As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-02/02

Date: 25-02-2023



NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 16-02-2023 @ 10:50 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

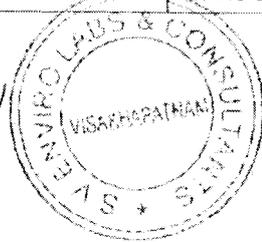
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	58.3	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	24.5	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	18.6	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	56.3	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	161	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.6	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	33.3	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

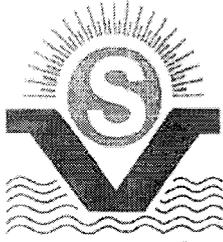
**Remarks:** As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 –DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-02/01

Date: 25-02-2023



NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : South West Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 16-02-2023 @ 10:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

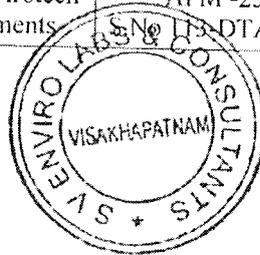
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	61.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	27.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.2	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	24.6	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	188	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.2	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	43.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

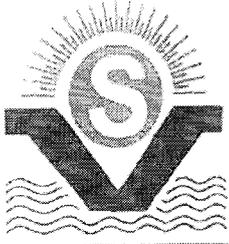
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 No. 113-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-03/04

Date: 28-03-2023

NAME AND ADDRESS : **M/s. ANDHRA PAPER MILL LIMITED.,**  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : **AMBIENT AIR QUALITY**

SOURCE OF COLLECTION : North West Corner – New Wood Yard

DATE & TIME OF COLLECTION : 17-03-2023 @ 11:00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

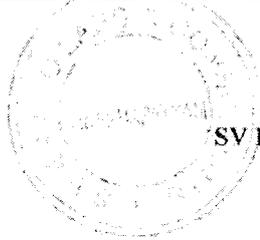
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	66.4	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	24.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.2	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	25.6	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	190	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.7	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	26.3	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

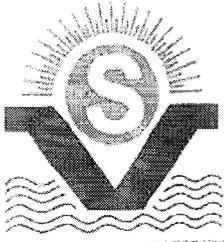
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-03/03

Date: 28-03-2023

NAME AND ADDRESS : **M/s. ANDHRA PAPER MILL LIMITED.,**  
 Rajahmundry, East Godavari,  
 Andhra Pradesh - 533105.

SAMPLE PARTICULARS : **AMBIENT AIR QUALITY**

SOURCE OF COLLECTION : South East Corner - Godavari House

DATE & TIME OF COLLECTION : 17-03-2023 @ 10:40 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

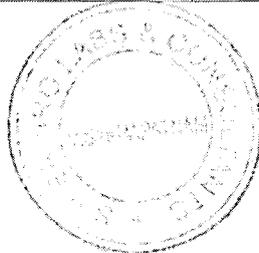
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	60.4	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.6	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	23.4	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	181	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.0	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	26.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

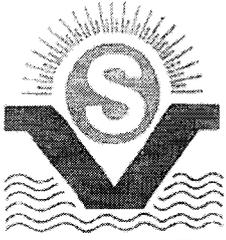
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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Corporate Office : Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012  
& Laboratory www.svenvirolabs.com, Ph:0891-2755528, Cell: +91 9440338628  
info@svenvirolabs.com, svenviro\_labs@yahoo.co.in

Branch Office : 2-53, Mahipala Street, Yanam - 533464.

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Ref: SVELC/APML/23-03/02

Date: 28-03-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 17-03-2023 @ 10:20 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

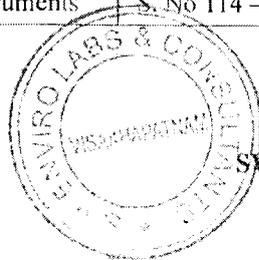
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	61.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25.4	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19.5	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	57.8	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	157	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.10	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	31.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

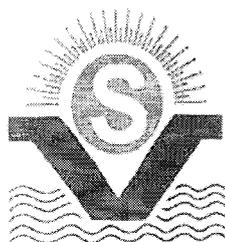
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 –DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-03/01

Date: 28-03-2023



NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : SouthWest Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 17-03-2023 @ 10:00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

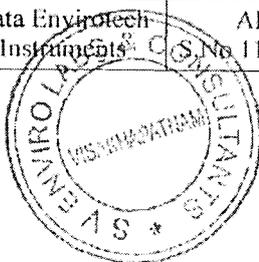
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	64.1	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	28.4	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	18.3	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	25.8	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	184	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.61	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	38.9	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

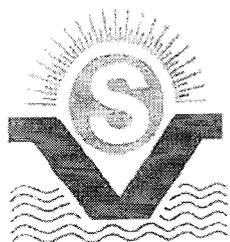
**Remarks:** As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No 113-DTA-2019	25/10/2022	24/10/2023

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info@svenviolabs.com, svenviro\_labs@yahoo.co.in

Hyderabad Office : Flat No. 302, H.No.7-1-396/B/12, Sai Ram Residency,

Balkampet Road, S.R. Nagar, Hyderabad-500038

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Ref: SVELC/APML/23-04/04

Date: 25-04-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner – New Wood Yard

DATE & TIME OF COLLECTION : 15-04-2023 @ 11:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

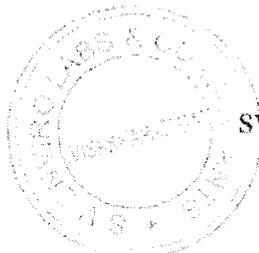
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	68.3	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25.9	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	16.4	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	22.8	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	179	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.2	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	25.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

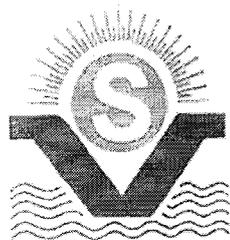
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-04/03

Date: 25-04-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : South East Corner – Godavari House

DATE & TIME OF COLLECTION : 15-04-2023 @ 11:10 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

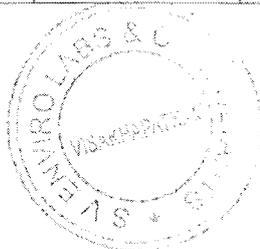
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	62.8	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	26.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	18.3	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	25.4	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	187	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.4	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	28.6	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	PCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

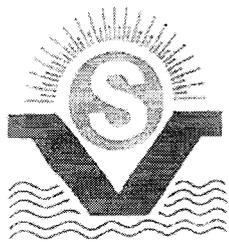
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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info@svenviolabs.com, svenviro\_labs@yahoo.co.in

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Ref: SVELC/APML/23-04/02

Date: 25-04-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 15-04-2023 @ 10:50 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	64.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	26.8	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	20.4	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	53.9	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	164	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.26	100	IS:5182 (P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	33.5	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

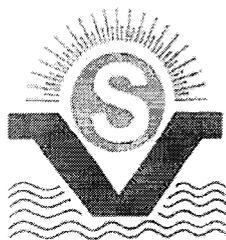
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 –DTA-2019	25/10/2022	24/10/2023

CHECKED BY



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Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by: NABL & NABET



Ref: SVELC/APML/23-04/01

Date: 25-04-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : SouthWest Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 15-04-2023 @ 10:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

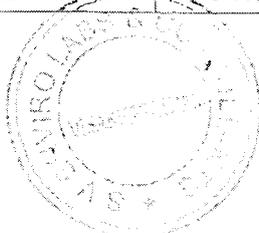
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	67.3	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	29.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19.2	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	24.1	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	172	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.24	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	35.9	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

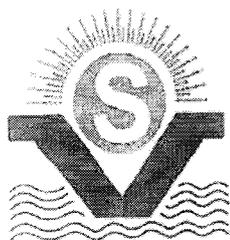
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No 113-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-05/04

Date: 29-05-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner -- New Wood Yard

DATE & TIME OF COLLECTION : 20-05-2023 @ 11:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

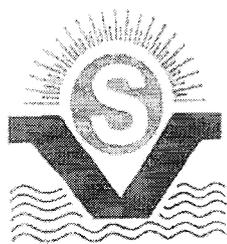
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	65.9	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	23.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	14.9	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	20.4	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	172	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.0	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	23.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

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# SV ENVIRO LABS & CONSULTANTS

(Environmental Engineers & Consultants in Pollution Control)

Corporate Office: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012

& Laboratory www.svenvirolabs.com, Ph:0891-2755528, Cell: +91 9440338628

info@svenvirolabs.com, svenviro\_labs@yahoo.co.in

Hyderabad Office : Flat No. 302, H.No.7-1-396/B/12, Sai Ram Residency,  
Balkampet Road, S.R. Nagar, Hyderabad-500038

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Ref: SVELC/APML/23-05/03

Date: 29-05-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : South East Corner – Godavari House

DATE & TIME OF COLLECTION : 20-05-2023 @ 11:10 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

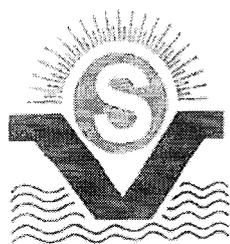
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	65.1	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	27.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19.1	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	26.7	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	193	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.9	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	30.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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**& Laboratory** www.svenviolabs.com, Ph:0891-275528, Cell: +91 9440338628  
 info@svenviolabs.com, svenviro\_labs@yahoo.co.in

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 Balkampet Road, S.R. Nagar, Hyderabad-500038

Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by: NABL & NABET



Ref: SVELC/APML/23-05/02

Date: 29-05-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 20-05-2023 @ 10:50 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

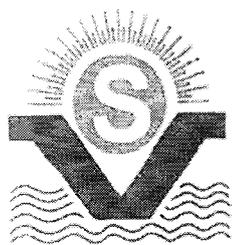
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	66.8	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	28.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	22.4	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	56.1	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	159	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.05	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	30.2	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 –DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-05/01

Date: 29-05-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh - 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : SouthWest Corner - ETP LAGOON

DATE & TIME OF COLLECTION : 20-05-2023 @ 10:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

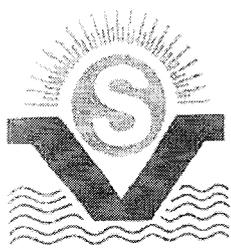
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	69.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	30.5	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	20.4	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	25.7	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	179	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.51	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	39.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No 113-DTA-2019	25/10/2022	24/10/2023

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info@svenviro.com, svenviro\_labs@yahoo.co.in

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Balkampet Road, S.R. Nagar, Hyderabad-500038

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Ref: SVELC/APML/23-06/04

Date: 24-06-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner – New Wood Yard

DATE & TIME OF COLLECTION : 16-06-2023 @ 11:00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

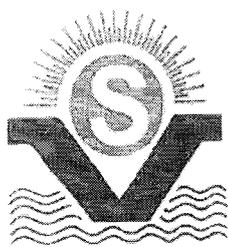
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	68.1	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25.3	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	16.2	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	22.5	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	179	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.6	100	IS :5182 (P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	25.7	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-06/03

Date: 24-06-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : South East Corner – Godavari House

DATE & TIME OF COLLECTION : 16-06-2023 @ 10:40 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

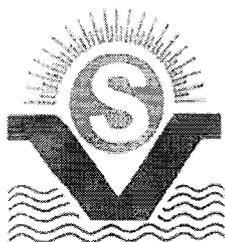
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	67.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	28.4	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	21.6	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	28.3	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	187	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.4	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	32.6	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	PCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-06/02

Date: 24-06-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 16-06-2023 @ 10:20 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

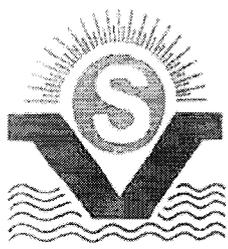
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	68.1	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	29.5	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	23.4	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	58.6	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	164	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.56	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	31.5	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 –DTA-2019	25/10/2022	24/10/2023

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Balkampet Road, S.R. Nagar, Hyderabad-500038

**Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by: NABL & NABET**



Ref: SVELC/APML/23-06/01

Date: 24-06-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : SouthWest Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 16-06-2023 @ 10:00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

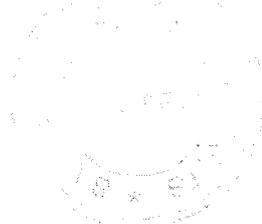
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	71.4	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	31.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	22.1	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	27.5	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	186	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.24	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	42.6	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

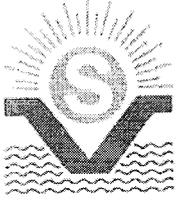
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No 113-DTA-2019	25/10/2022	24/10/2023

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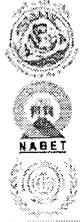
SV ENVIRO LABS & CONSULTANTS



# SV ENVIRO LABS & CONSULTANTS

(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

**Corporate Office & Laboratory :** Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012.  
**Hyderabad:** Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038.  
 ☎ +91-9440338628, +91-7207664444 ✉ svenviro\_labs@yahoo.co.in, info@svenvirolabs.com 🌐 www.svenvirolabs.com  
 Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



Ref: SVELC/APML/23-07/04

Date: 24-07-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner – New Wood Yard

DATE & TIME OF COLLECTION : 14-07-2023 @ 11:10 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

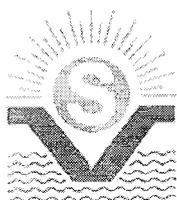
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	65.7	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	23.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	15.0	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	20.3	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	171	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.0	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	23.8	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

*AD*  
CHECKED BY

*AD*  
SV ENVIRO LABS & CONSULTANTS



# SV ENVIRO LABS & CONSULTANTS

(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

**Corporate Office & Laboratory :** Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012.  
**Hyderabad:** Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038.  
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 Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



Ref: SVELC/APML/23-07/03

Date: 24-07-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : South East Corner -- Godavari House

DATE & TIME OF COLLECTION : 14-07-2023 @ 10:50 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

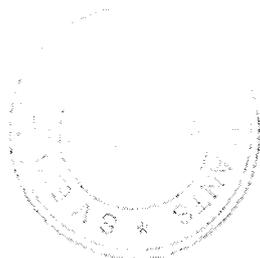
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	65.4	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	27.3	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19.8	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	26.5	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	194	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.7	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	31.2	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	PCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

**Remarks:** As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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SV ENVIRO LABS & CONSULTANTS



# SV ENVIRO LABS & CONSULTANTS

(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

Corporate Office & Laboratory : Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012.  
Hyderabad: Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038.  
☎ +91-9440338628, +91-7207664444 ✉ svenviro\_labs@yahoo.co.in, info@svenvirolabs.com 🌐 www.svenvirolabs.com  
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Ref: SVELC/APML/23-07/02

Date: 24-07-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 14-07-2023 @ 10:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

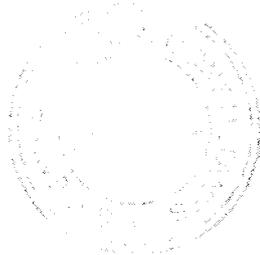
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	66.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	28.0	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	22.5	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	55.9	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	158	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.12	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	30.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

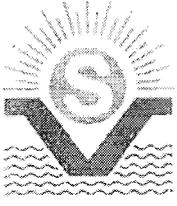
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 –DTA-2019	25/10/2022	24/10/2023

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Corporate Office & Laboratory : Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012.  
Hyderabad: Flat No. 302, H.No. 7-1-305/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038.  
☎ +91-9440330628, +91-7207664444 ✉ svenviro\_labs@yahoo.co.in, info@svenvirolabs.com 🌐 www.svenvirolabs.com  
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Ref: SVELC/APML/23-07/01

Date: 24-07-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : SouthWest Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 14-07-2023 @ 10:10 hr

DURATION OF SAMPLING : 24 Hours

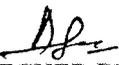
ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	68.7	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	30.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	20.8	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	25.6	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	177	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.48	100	IS :5182 (P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	39.0	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No 113-DTA-2019	25/10/2022	24/10/2023

  
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ANDHRA PRADESH POLLUTION CONTROL BOARD  
ZONAL LABORATORY, VISAKHAPATNAM

D.No.39-33-20/4, Behind RTA Office, Madhavadhara VUDA Colony,  
Visakhapatnam – 530 018.

M. RAVI, M.Sc  
SENIOR ENVIRONMENTAL SCIENTIST

Ph :0891- 2719380/ 481  
e-mail:zovsplab-ses2@appcb.gov.in

FORM – IV  
REPORT BY THE STATE BOARD ANALYST  
[See Rule-14]

Report No. 2023 – 05 – ST – 001

Date:09.05.2023

I hereby certify that I M. Ravi (I) State Board Analyst duly appointed under sub-section (3) of Section 26 of the Air (Prevention and Control of Pollution) Act, 1981, received a stack emission sample of M/s Andhra Paper Ltd., (Unit: Sriramnagar), Rajamahendravaram, East Godavari District from the Stack attached to 1 X 105 TPH Coal Fired Boiler along with 34MW Turbine collected on 02.05.2023 and received on the day of 03.05.2023 from Junior Scientific Officer, Regional Office, Kakinada for analysis.

The sample was in a condition fit for analysis as reported below:

I further certify that I have analyzed the above mentioned sample from 03.05.2023 to 09.05.2023 and declare the result of the analysis to be as follows: -

S.No.	Sample No.	Parameters	Value (mg/Nm <sup>3</sup> )	Standard (mg/Nm <sup>3</sup> )
1.	2023-05-ST-001	Particulate Matter (PM)	38.7	50.0

The condition of the seals, fastening and container on receipt was intact.  
The results related to sample tested.

**Remarks of monitoring officials:**

1. During Stack monitoring, boiler is operating with 90TPH Capacity.
2. ESP is provided as air pollution control equipment is in operation during stack monitoring.

Signed this:09.05.2023.

Address:  
M. Ravi,  
Senior Environmental Scientist,  
Zonal Laboratory,  
APPCB, Visakhapatnam

  
SIGNATURE OF THE STATE BOARD ANALYST



**ANDHRA PRADESH POLLUTION CONTROL BOARD**  
**ZONAL LABORATORY, VISAKHAPATNAM**

D.No.39-33-20/4, Behind RTA Office, Madhavadhara VUDA Colony,  
 Visakhapatnam – 530 018.

M. RAVI, M.Sc  
 SENIOR ENVIRONMENTAL SCIENTIST

Ph :0891- 2719380/ 481  
 e-mail:zovsplab-ses2@appcb.gov.in

FORM – IV  
REPORT BY THE STATE BOARD ANALYST  
 [See Rule-14]

Report No. 2023 – 05 – ST – 002

Date:09.05.2023

I hereby certify that I M. Ravi (I) State Board Analyst duly appointed under sub-section (3) of Section 26 of the Air (Prevention and Control of Pollution) Act, 1981, received a stack emission sample of M/s Andhra Paper Ltd., (Unit: Srimnagar), Rajamahendravaram, East Godavari District from the Stack attached to 1 X 1300 TPD Recovery Boiler collected on 02.05.2023 and received on the day of 03.05.2023 from Junior Scientific Officer, Regional Office, Kakinada for analysis.

The sample was in a condition fit for analysis as reported below:

I further certify that I have analyzed the above mentioned sample from 03.05.2023 to 09.05.2023 and declare the result of the analysis to be as follows: -

S.No.	Sample No.	Parameters	Value (mg/Nm <sup>3</sup> )	Standard (mg/Nm <sup>3</sup> )
1.	2023-05-ST-002	Particulate Matter (PM)	40.4	50.0

The condition of the seals, fastening and container on receipt was intact.  
 The results related to sample tested.

**Remarks of monitoring officials:**

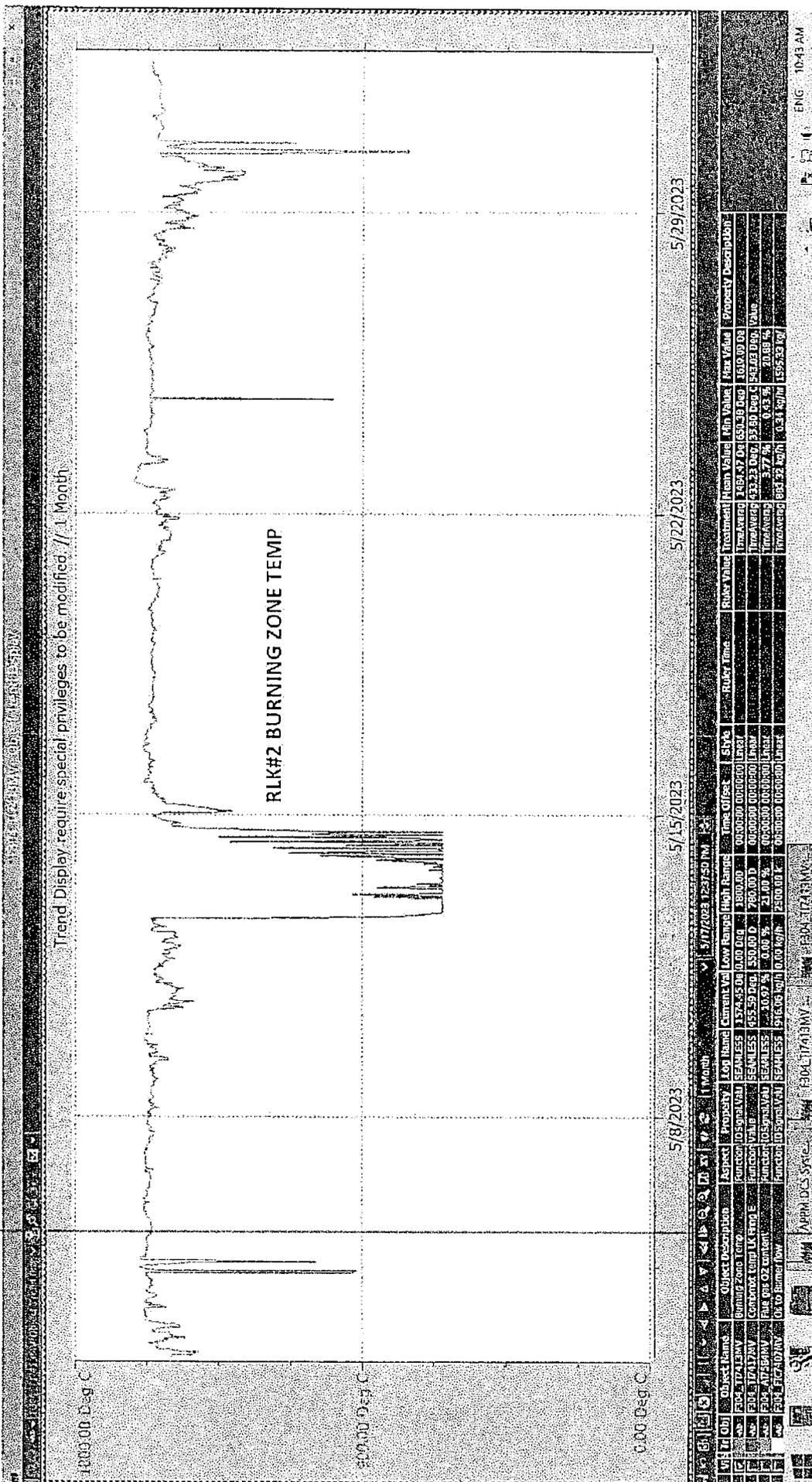
1. During Stack monitoring Recovery Boiler is in operation.
2. ESP 3 No.s provided as air pollution control equipment is in operation during stack monitoring.

Signed this:09.05.2023.

Address:  
 M. Ravi,  
 Senior Environmental Scientist,  
 Zonal Laboratory,  
 APPCB, Visakhapatnam

  
 SIGNATURE OF THE STATE BOARD ANALYST





Object Name	Object Description	Aspect	Property ID	Property Name	Unit	Min Value	Max Value	Property Description
RLK#2 BURNING ZONE TEMP	BURNING ZONE TEMP	Temp	TEMP	TEMP	DEG C	0.00	1000.00	
RLK#2 BURNING ZONE TEMP	BURNING ZONE TEMP	Temp	TEMP	TEMP	DEG C	0.00	1000.00	
RLK#2 BURNING ZONE TEMP	BURNING ZONE TEMP	Temp	TEMP	TEMP	DEG C	0.00	1000.00	
RLK#2 BURNING ZONE TEMP	BURNING ZONE TEMP	Temp	TEMP	TEMP	DEG C	0.00	1000.00	

ENG 10:43 AM  
INTL 6/17/2023



**ANDHRA PRADESH POLLUTION CONTROL BOARD  
ZONAL LABORATORY, VISAKHAPATNAM**

D.No.39-33-20/4, Behind RTA Office, Madhavadhara VUDA Colony,  
Visakhapatnam – 530 018.

M. RAVI, M.Sc  
SENIOR ENVIRONMENTAL SCIENTIST

Ph :0891- 2719380/ 481  
e-mail:zovsplab-ses2@appcb.gov.in

FORM – IV  
REPORT BY THE STATE BOARD ANALYST  
[See Rule-14]

Report No. 2023 – 05 – ST – 003

Date:09.05.2023

I hereby certify that I M. Ravi (I) State Board Analyst duly appointed under sub-section (3) of Section 26 of the Air (Prevention and Control of Pollution) Act, 1981, received a stack emission sample of M/s Andhra Paper Ltd., (Unit: Sriramnagar), Rajamahendravaram, East Godavari District from the Stack attached to 1 X 100 TPD Rotary Lime Kiln-1 collected on 02.05.2023 and received on the day of 03.05.2023 from Junior Scientific Officer, Regional Office, Kakinada for analysis.

The sample was in a condition fit for analysis as reported below:

I further certify that I have analyzed the above mentioned sample from 03.05.2023 to 09.05.2023 and declare the result of the analysis to be as follows: -

S.No.	Sample No.	Parameters	Value (mg/Nm <sup>3</sup> )	Standard (mg/Nm <sup>3</sup> )
1.	2023-05-ST-003	Particulate Matter (PM)	25.1	50.0
		H <sub>2</sub> S	7.0	10.0

The condition of the seals, fastening and container on receipt was intact.  
The results related to sample tested.

**Remarks of monitoring officials:**

1. During Stack monitoring Rotary Lime Kiln-1 is in operation.
2. ESP is provided as air pollution control equipment and is in operation during stack monitoring.

Signed this:09.05.2023.

Address:  
M. Ravi,  
Senior Environmental Scientist,  
Zonal Laboratory,  
APPCB, Visakhapatnam

  
SIGNATURE OF THE STATE BOARD ANALYST



ANDHRA PRADESH POLLUTION CONTROL BOARD  
ZONAL LABORATORY, VISAKHAPATNAM

D.No.39-33-20/4, Behind RTA Office, Madhavadhara VUDA Colony,  
Visakhapatnam – 530 018.

M. RAVI, M.Sc  
SENIOR ENVIRONMENTAL SCIENTIST

Ph :0891- 2719380/ 481  
e-mail:zovsplab-ses2@appcb.gov.in

FORM - IV  
REPORT BY THE STATE BOARD ANALYST  
[See Rule-14]

Report No. 2023 – 05 – ST – 004

Date:09.05.2023

I hereby certify that I M. Ravi (I) State Board Analyst duly appointed under sub-section (3) of Section 26 of the Air (Prevention and Control of Pollution) Act, 1981, received a stack emission sample of M/s Andhra Paper Ltd., (Unit: Sriramnagar), Rajamahendravaram, East Godavari District from the Stack attached to 1 X 160 TPD Rotary Lime Kiln-2 collected on 02.05.2023 and received on the day of 03.05.2023 from Junior Scientific Officer, Regional Office, Kakinada for analysis.

The sample was in a condition fit for analysis as reported below:

I further certify that I have analyzed the above mentioned sample from 03.05.2023 to 09.05.2023 and declare the result of the analysis to be as follows: -

S.No.	Sample No.	Parameters	Value (mg/Nm <sup>3</sup> )	Standard (mg/Nm <sup>3</sup> )
1.	2023-05-ST-004	Particulate Matter (PM)	21.4	50.0
		H <sub>2</sub> S	6.8	10.0

The condition of the seals, fastening and container on receipt was intact.  
The results related to sample tested.

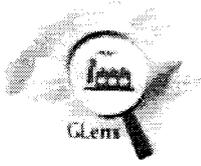
**Remarks of monitoring officials:**

1. During Stack monitoring Rotary Lime Kiln-2 is in operation
2. ESP is provided as air pollution control equipment and is in operation during stack monitoring.

Signed this:09.05.2023.

Address:  
M. Ravi,  
Senior Environmental Scientist,  
Zonal Laboratory,  
APPCB, Visakhapatnam

  
SIGNATURE OF THE STATE BOARD ANALYST



# GLens Innovation Labs Pvt Ltd.

NABL ACCREDITED AS PER ISO/IEC 17025 : 2017, CERTIFIED AS PER ISO 9001:2015 & ISO 45001 : 2018

## TEST REPORT

Report No : EN23070162 Report Date : 14 Jul 2023

Customer Name : M/S.Andhra Paper Limited

Customer Address : Rajamahendravaram, East Godavari Dist, Andhra Pradesh-533105

Sample Description : Stack Emission

Sample No : EN23070162

Sample Identification : Rotary Line Kibn Stack-01 Sampling Date : 07 Jul 2023

Sample Condition : Good Sample Received on : 08 Jul 2023

Sampling Procedure : GL/EN/SOP/111 Test Started on : 08 Jul 2023

Instrument Used : Optima Analyzer Test Completed on : 14 Jul 2023

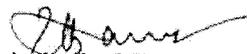
Sample Submission type : Lab Representative

### Test result

S.No	Test Name	Test Method	Results	Units
Discipline: Chemical				
Group: Atmospheric Pollution				
1	Hydrogen Sulphide as H <sub>2</sub> S	IS 11255 (Part 4): 2006	9.1	mg/m <sup>3</sup>
2	Particulate Matter	GL/ EN/SOP/113 (EPA 5): 1991	45.7	mg/Nm <sup>3</sup>

.....End of Report.....  
Page 1 of 1

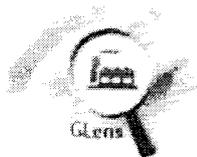
  
Verified By

  
Authorized Signature  
S. HARIHARA SUDHAN  
ASSISTANT MANAGER

GLENS INNOVATION LABS Pvt Ltd, #0/1, 1<sup>st</sup> Floor, Sri Jothi Complex, Murugesan Street, Banarayanagar Nagar, Arimbatkkaik (Cheerla) 600106

#### Terms and Conditions:

- \* The Test Results Relate only to the items tested.
- \* The Test Report Shall not be reproduced in full or part without the written approval of Glens.
- \* The test items will not be retained for more than 15 days from the date of issue of test report except in the case as required by the application regulations.
- \* The Laboratory's Responsibility under this report is limited to proven willful negligence and will in no case be more than the invoiced amount.
- \* A Satisfactory test report in no way implies that the product so tested is approved by NABL.
- \* Laboratory is not responsible for the authenticity of photocopied test reports.



# GLens Innovation Labs Pvt Ltd.

NABL ACCREDITED AS PER ISO/IEC 17025 : 2017, CERTIFIED AS PER ISO 9001:2015 & ISO 45001 : 2018

## TEST REPORT

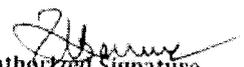
Report No : EN23070161 Report Date : 14 Jul 2023  
 Customer Name : M/S.Andhra Paper Limited  
 Customer Address : Rajamahendravaram, East Godavari Dist, Andhra Pradesh-533105  
 Sample Description : Stack Emission  
 Sample No : EN23070161  
 Sample Identification : Rotary Line Kln Stack-02 Sampling Date : 07 Jul 2023  
 Sample Condition : Good Sample Received on : 08 Jul 2023  
 Sampling Procedure : GL/EN/SOP/111 Test Started on : 08 Jul 2023  
 Instrument Used : Optima Analyzer Test Completed on : 14 Jul 2023  
 Sample Submission type : Lab Representative

### Test result

S.No	Test Name	Test Method	Results	Units
Discipline: Chemical				
Group: Atmospheric Pollution				
1	Hydrogen Sulphide as H <sub>2</sub> S	IS 11255 (Part 4): 2006	8.4	mg/m <sup>3</sup>
2	Particulate Matter	GL/ EN/SOP/113 (EPA 5): 1991	14.5	mg/Nm <sup>3</sup>

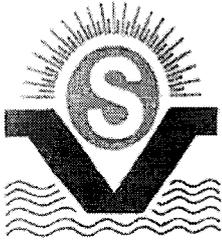
.....End of Report.....  
Page 1 of 1

  
Verified By

  
Authorized Signature  
S. HARIHARASUDHAN  
ASSISTANT MANAGER

GLENS INNOVATION LABS PVT LTD, #6/11 St Floor, Sri Jeeva Complex, Marugesan Street, Balavimayagar Nagar, Arimabakkam Chennai - 600 106.  
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# SV ENVIRO LABS & CONSULTANTS

(Environmental Engineers & Consultants in Pollution Control)

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 info@svenviolabs.com, svenviro\_labs@yahoo.co.in

Branch Office : 2-53, Mahipala Street, Yanam - 533464.

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Ref: SVELC/APML/23-01/07

Date: 24-01-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Rotary Lime Kiln-1

DATE & TIME OF COLLECTION : 11-01-2023@ 13:15 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	°C	32
5.	Stack temperature	°C	129
6.	Flue Gas Velocity	m/sec	8.59
7.	Flow Rate	Nm <sup>3</sup> /hr	25733
8.	Duration of Sampling	minutes	30

## EMISSION RATE

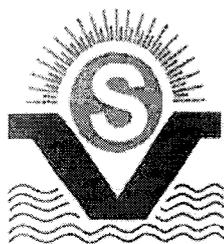
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	35.1	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	86.4	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	279	<500	IS:11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.7	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech-160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-01/08

Date: 24-01-2023

NAME AND ADDRESS : **M/s. ANDHRA PAPER MILL LIMITED.,**  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : **STACK EMISSIONS**

SOURCE OF COLLECTION : Rotary Lime Kiln-2

DATE & TIME OF COLLECTION : 11-01-2023@ 14:00 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	<sup>0</sup> C	32
5.	Stack temperature	<sup>0</sup> C	130
6.	Flue Gas Velocity	m/sec	10.8
7.	Flow Rate	Nm <sup>3</sup> /hr	32273
8.	Duration of Sampling	minutes	30

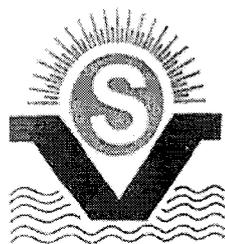
## EMISSION RATE

S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	43.1	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	77.8	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	256	<500	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	5.3	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-01/05

Date: 24-01-2023

**NAME AND ADDRESS :** M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

**SAMPLE PARTICULARS :** STACK EMISSIONS

**SOURCE OF COLLECTION :** Coal Fired Boiler –CF6

**DATE & TIME OF COLLECTION :** 11-01-2023@ 11:45 hr

## TEST REPORT

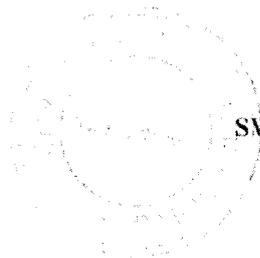
S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	85
2.	Diameter of Stack	m	2.5
3.	Cross Section Area of Stack	m <sup>2</sup>	4.90
4.	Temperature @ DGM	°C	30
5.	Stack temperature	°C	139
6.	Flue Gas Velocity	m/sec	8.78
7.	Flow Rate	Nm <sup>3</sup> /hr	111287
8.	Duration of Sampling	minutes	30

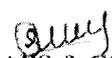
## EMISSION RATE

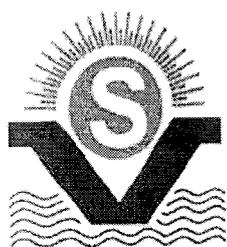
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	39.4	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	88.1	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	184	<300	IS: 11255-P-7
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech-160 109-DTI-2018	20-08-2022	19-08-2023

  
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Ref: SVELC/APML/23-01/06

Date: 24-01-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Recovery Boiler -4

DATE & TIME OF COLLECTION : 11-01-2023@ 12:30 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	90
2.	Diameter of Stack	m	3.5
3.	Cross Section Area of Stack	m <sup>2</sup>	9.61
4.	Temperature @ DGM	<sup>o</sup> C	31
5.	Stack temperature	<sup>o</sup> C	144
6.	Flue Gas Velocity	m/sec	9.96
7.	Flow Rate	Nm <sup>3</sup> /hr	244623
8.	Duration of Sampling	minutes	30

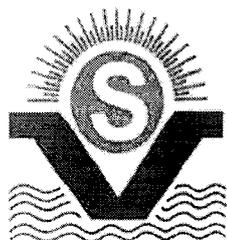
## EMISSION RATE

S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter - PM	mg/Nm <sup>3</sup>	36.5	<50	IS:11255-P-1
2.	Sulphur Dioxide - SO <sub>2</sub>	mg/Nm <sup>3</sup>	104	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	193	<300	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.7	--	USEPA Method-11
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-02/07

Date: 25-02-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Rotary Lime Kiln-1

DATE & TIME OF COLLECTION : 16-02-2023@ 13:45 hr

## TEST REPORT

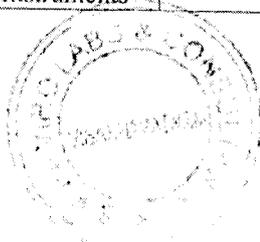
S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	<sup>0</sup> C	33
5.	Stack temperature	<sup>0</sup> C	135
6.	Flue Gas Velocity	m/sec	8.92
7.	Flow Rate	Nm <sup>3</sup> /hr	26329
8.	Duration of Sampling	minutes	30

## EMISSION RATE

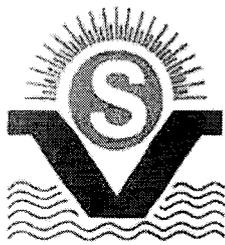
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	38.6	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	88.4	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	288	<500	IS:11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	5.0	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech-160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-02/08

Date: 25-02-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Rotary Lime Kiln-2

DATE & TIME OF COLLECTION : 16-02-2023 @ 14:30 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	<sup>o</sup> C	32
5.	Stack temperature	<sup>o</sup> C	126
6.	Flue Gas Velocity	m/sec	10.3
7.	Flow Rate	Nm <sup>3</sup> /hr	31088
8.	Duration of Sampling	minutes	30

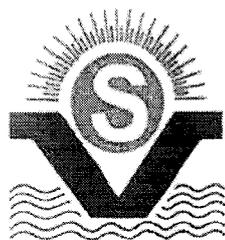
## EMISSION RATE

S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	40.2	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	74.6	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	248	<500	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.9	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-02/05

Date: 25-02-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Coal Fired Boiler –CF6

DATE & TIME OF COLLECTION : 16-02-2023 @ 12:15 hr

## TEST REPORT

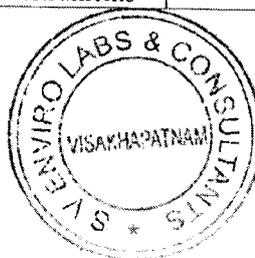
S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	85
2.	Diameter of Stack	m	2.5
3.	Cross Section Area of Stack	m <sup>2</sup>	4.90
4.	Temperature @ DGM	°C	32
5.	Stack temperature	°C	146
6.	Flue Gas Velocity	m/sec	8.92
7.	Flow Rate	Nm <sup>3</sup> /hr	111172
8.	Duration of Sampling	minutes	30

## EMISSION RATE

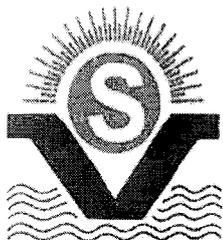
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	37.2	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	85.6	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	180	<300	IS: 11255-P-7
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech-160 109-DTI-2018	20-08-2022	19-08-2023

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**Branch Office :** 2-53, Mahipala Street, Yanam - 533464.

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Ref: SVELC/APML/23-02/06

Date: 25-02-2023



NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Recovery Boiler -4

DATE & TIME OF COLLECTION : 16-02-2023 @ 13:00 hr

## TEST REPORT

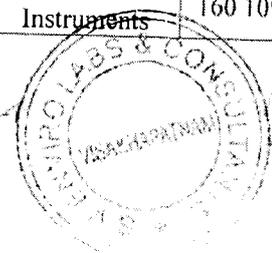
S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	90
2.	Diameter of Stack	m	3.5
3.	Cross Section Area of Stack	m <sup>2</sup>	9.61
4.	Temperature @ DGM	°C	33
5.	Stack temperature	°C	149
6.	Flue Gas Velocity	m/sec	10.2
7.	Flow Rate	Nm <sup>3</sup> /hr	247550
8.	Duration of Sampling	minutes	30

## EMISSION RATE

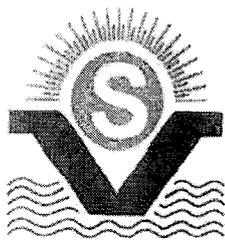
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	39.3	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	107	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	198	<300	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	5.1	--	USEPA Method-11
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech-160 109-DTI-2018	20-08-2022	19-08-2023

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**& Laboratory** www.svenvirolabs.com, Ph:0891-2755528, Cell: +91 9440338628  
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**Branch Office :** 2-53, Mahipala Street, Yanam - 533464.

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Ref: SVELC/APML/23-03/07

Date: 28-03-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Rotary Lime Kiln-1

DATE & TIME OF COLLECTION : 17-03-2023@ 13:00 hr

## TEST REPORT

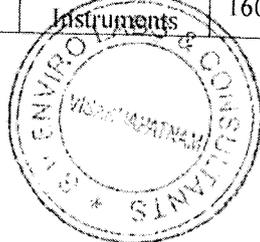
S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	°C	34
5.	Stack temperature	°C	131
6.	Flue Gas Velocity	m/sec	8.68
7.	Flow Rate	Nm <sup>3</sup> /hr	25874
8.	Duration of Sampling	minutes	30

## EMISSION RATE

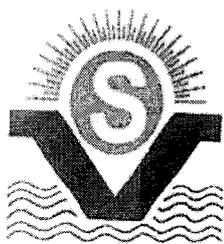
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	40.1	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	90.3	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	284	<500	IS:11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.4	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech-160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-03/08

Date: 28-03-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Rotary Lime Kiln-2

DATE & TIME OF COLLECTION : 17-03-2023 @ 14:00 hr

## TEST REPORT

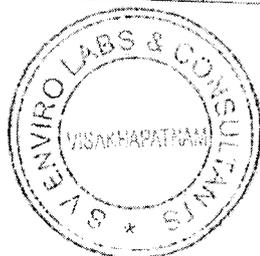
S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	°C	33
5.	Stack temperature	°C	120
6.	Flue Gas Velocity	m/sec	9.86
7.	Flow Rate	Nm <sup>3</sup> /hr	30214
8.	Duration of Sampling	minutes	30

## EMISSION RATE

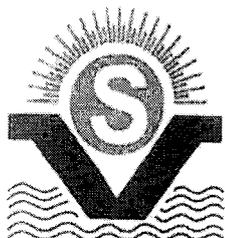
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	41.6	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	71.8	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	240	<500	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.3	<10	USEPA Method-II

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech-160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-03/05

Date: 28-03-2023



NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Coal Fired Boiler –CF6

DATE & TIME OF COLLECTION : 17-03-2023 @ 11:30 hr

## TEST REPORT

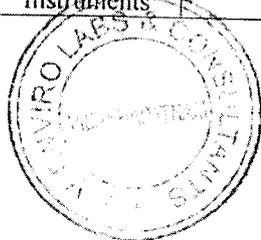
S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	85
2.	Diameter of Stack	m	2.5
3.	Cross Section Area of Stack	m <sup>2</sup>	4.90
4.	Temperature @ DGM	°C	33
5.	Stack temperature	°C	141
6.	Flue Gas Velocity	m/sec	8.54
7.	Flow Rate	Nm <sup>3</sup> /hr	107722
8.	Duration of Sampling	minutes	30

## EMISSION RATE

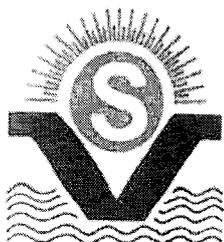
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	35.1	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	80.5	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	174	<300	IS: 11255-P-7
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech-160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-03/06

Date: 28-03-2023



NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Recovery Boiler -4

DATE & TIME OF COLLECTION : 17-03-2023 @ 12:15 hr

## TEST REPORT

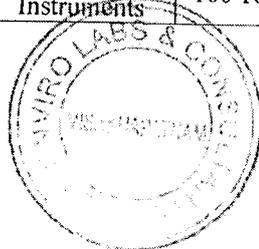
S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	90
2.	Diameter of Stack	m	3.5
3.	Cross Section Area of Stack	m <sup>2</sup>	9.61
4.	Temperature @ DGM	<sup>o</sup> C	34
5.	Stack temperature	<sup>o</sup> C	153
6.	Flue Gas Velocity	m/sec	10.4
7.	Flow Rate	Nm <sup>3</sup> /hr	250034
8.	Duration of Sampling	minutes	30

## EMISSION RATE

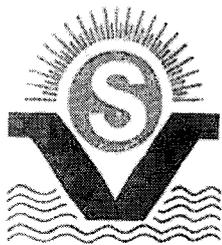
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	37.1	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	102	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	190	<300	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.32	--	USEPA Method-11
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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 info@svenvirolabs.com, svenviro\_labs@yahoo.co.in

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Ref: SVELC/APML/23-04/07

Date: 25-04-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Rotary Lime Kiln-I

DATE & TIME OF COLLECTION : 15-04-2023@ 13:30 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	°C	34
5.	Stack temperature	°C	128
6.	Flue Gas Velocity	m/sec	8.43
7.	Flow Rate	Nm <sup>3</sup> /hr	25317
8.	Duration of Sampling	minutes	30

## EMISSION RATE

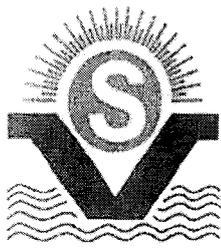
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	37.6	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	85.4	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	271	<500	IS:11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.1	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-04/08

Date: 25-04-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Rotary Lime Kiln-2

DATE & TIME OF COLLECTION : 15-04-2023 @ 14:15 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	<sup>0</sup> C	34
5.	Stack temperature	<sup>0</sup> C	126
6.	Flue Gas Velocity	m/sec	10.2
7.	Flow Rate	Nm <sup>3</sup> /hr	30813
8.	Duration of Sampling	minutes	30

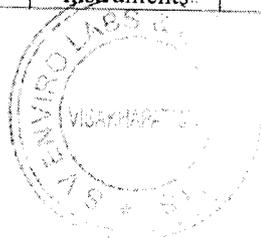
## EMISSION RATE

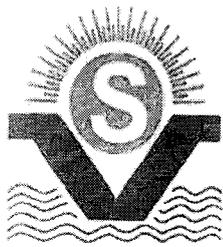
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	44.5	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	45.1	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	248	<500	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.5	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-04/05

Date: 25-04-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Coal Fired Boiler –CF6

DATE & TIME OF COLLECTION : 15-04-2023 @ 12:00 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	85
2.	Diameter of Stack	m	2.5
3.	Cross Section Area of Stack	m <sup>2</sup>	4.90
4.	Temperature @ DGM	°C	33
5.	Stack temperature	°C	147
6.	Flue Gas Velocity	m/sec	8.83
7.	Flow Rate	Nm <sup>3</sup> /hr	109789
8.	Duration of Sampling	minutes	30

## EMISSION RATE

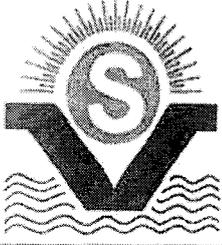
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	37.6	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	82.4	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	181	<300	IS: 11255-P-7
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

*AR*  
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*Arjun*  
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Ref: SVELC/APML/23-04/06

Date: 25-04-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Recovery Boiler -4

DATE & TIME OF COLLECTION : 15-04-2023 @ 12:45 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	90
2.	Diameter of Stack	m	3.5
3.	Cross Section Area of Stack	m <sup>2</sup>	9.61
4.	Temperature @ DGM	°C	33
5.	Stack temperature	°C	158
6.	Flue Gas Velocity	m/sec	10.8
7.	Flow Rate	Nm <sup>3</sup> /hr	2581887
8.	Duration of Sampling	minutes	30

## EMISSION RATE

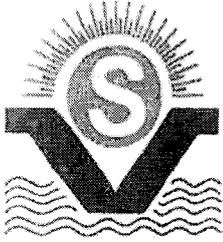
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	39.2	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	108	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	182	<300	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.53	--	USEPA Method-11
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DT1-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-05/07

Date: 29-05-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Rotary Lime Kiln-1

DATE & TIME OF COLLECTION : 20-05-2023 @ 13:45 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	°C	34
5.	Stack temperature	°C	134
6.	Flue Gas Velocity	m/sec	8.91
7.	Flow Rate	Nm <sup>3</sup> /hr	26364
8.	Duration of Sampling	minutes	30

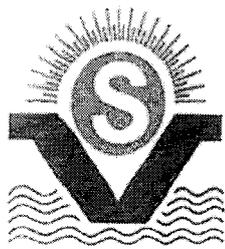
## EMISSION RATE

S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	41.6	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	88.4	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	280	<500	IS:11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.3	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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**& Laboratory** www.svenviolabs.com, Ph:0891-275528, Cell: +91 9440338628  
 info@svenviolabs.com, svenviro\_labs@yahoo.co.in

**Hyderabad Office:** Flat No. 302, H.No.7-1-396/B/12, Sai Ram Residency,  
 Balkampet Road, S.R. Nagar, Hyderabad-500038

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Ref: SVELC/APML/23-05/08

Date: 29-05-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Rotary Lime Kiln-2

DATE & TIME OF COLLECTION : 20-05-2023 @ 14:30 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	°C	33
5.	Stack temperature	°C	122
6.	Flue Gas Velocity	m/sec	9.72
7.	Flow Rate	Nm <sup>3</sup> /hr	29634
8.	Duration of Sampling	minutes	30

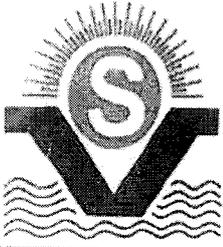
## EMISSION RATE

S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	40.8	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	67.6	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	238	<500	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	3.9	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech-160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-05/05

Date: 29-05-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Coal Fired Boiler –CF6

DATE & TIME OF COLLECTION : 20-05-2023 @ 12:15 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	85
2.	Diameter of Stack	m	2.5
3.	Cross Section Area of Stack	m <sup>2</sup>	4.90
4.	Temperature @ DGM	°C	34
5.	Stack temperature	°C	151
6.	Flue Gas Velocity	m/sec	9.24
7.	Flow Rate	Nm <sup>3</sup> /hr	113803
8.	Duration of Sampling	minutes	30

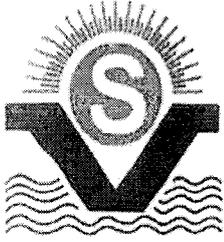
## EMISSION RATE

S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	39.5	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	85.6	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	188	<300	IS: 11255-P-7
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

*A. J. S.*  
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*[Signature]*  
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info@svenviolabs.com, svenviro\_labs@yahoo.co.in

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Ref: SVELC/APML/23-05/06

Date: 29-05-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Recovery Boiler -4

DATE & TIME OF COLLECTION : 20-05-2023 @ 13:00 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	90
2.	Diameter of Stack	m	3.5
3.	Cross Section Area of Stack	m <sup>2</sup>	9.61
4.	Temperature @ DGM	°C	34
5.	Stack temperature	°C	154
6.	Flue Gas Velocity	m/sec	9.89
7.	Flow Rate	Nm <sup>3</sup> /hr	237215
8.	Duration of Sampling	minutes	30

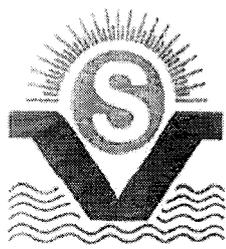
## EMISSION RATE

S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	36.1	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	98.2	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	175	<300	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.12	--	USEPA Method-11
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-06/07

Date: 24-06-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Rotary Lime Kiln-1

DATE & TIME OF COLLECTION : 16-06-2023 @ 13:00 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	°C	34
5.	Stack temperature	°C	128
6.	Flue Gas Velocity	m/sec	8.34
7.	Flow Rate	Nm <sup>3</sup> /hr	25046
8.	Duration of Sampling	minutes	30

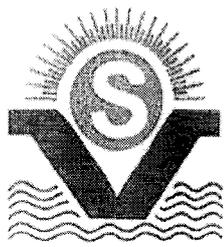
## EMISSION RATE

S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	37.5	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	83.4	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	267	<500	IS:11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	3.9	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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**& Laboratory** www.svenviro.com, Ph:0891-2755528, Cell: +91 9440338628  
 info@svenviro.com, svenviro\_labs@yahoo.co.in

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Ref: SVELC/APML/23-06/08

Date: 24-06-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Rotary Lime Kiln-2

DATE & TIME OF COLLECTION : 16-06-2023 @ 13:45 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	°C	33
5.	Stack temperature	°C	127
6.	Flue Gas Velocity	m/sec	9.51
7.	Flow Rate	Nm <sup>3</sup> /hr	28631
8.	Duration of Sampling	minutes	30

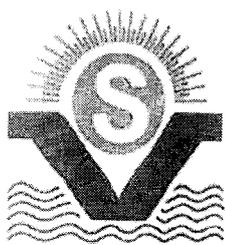
## EMISSION RATE

S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	36.7	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	62.8	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	221	<500	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	3.5	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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**& Laboratory** www.svenvirolabs.com, Ph:0891-2755528, Cell: +91 9440338628

Info@svenvirolabs.com, svenviro\_labs@yahoo.co.in

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Ref: SVELC/APML/23-06/05

Date: 24-06-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Coal Fired Boiler –CF6

DATE & TIME OF COLLECTION : 16-06-2023 @ 11:30 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	85
2.	Diameter of Stack	m	2.5
3.	Cross Section Area of Stack	m <sup>2</sup>	4.90
4.	Temperature @ DGM	°C	33
5.	Stack temperature	°C	144
6.	Flue Gas Velocity	m/sec	8.79
7.	Flow Rate	Nm <sup>3</sup> /hr	110078
8.	Duration of Sampling	minutes	30

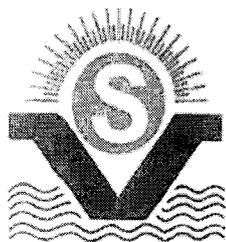
## EMISSION RATE

S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	36.1	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	80.3	<600	IS:11255-P-2
3.	Oxides of Nitrogen –NO <sub>x</sub>	mg/Nm <sup>3</sup>	182	<300	IS: 11255-P-7
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-06/06

Date: 24-06-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Recovery Boiler -4

DATE & TIME OF COLLECTION : 16-06-2023 @ 12:15 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	90
2.	Diameter of Stack	m	3.5
3.	Cross Section Area of Stack	m <sup>2</sup>	9.61
4.	Temperature @ DGM	°C	34
5.	Stack temperature	°C	149
6.	Flue Gas Velocity	m/sec	9.41
7.	Flow Rate	Nm <sup>3</sup> /hr	228377
8.	Duration of Sampling	minutes	30

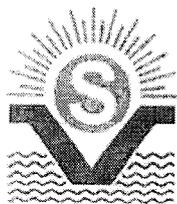
## EMISSION RATE

S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	34.3	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	94.6	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	170	<300	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	3.79	--	USEPA Method-11
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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Ref: SVELC/APML/23-07/07

Date: 24-07-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Rotary Lime Kiln-1

DATE & TIME OF COLLECTION : 14-07-2023 @ 13:15 hr

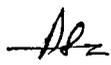
## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	°C	34
5.	Stack temperature	°C	133
6.	Flue Gas Velocity	m/sec	9.0
7.	Flow Rate	Nm <sup>3</sup> /hr	26696
8.	Duration of Sampling	minutes	30

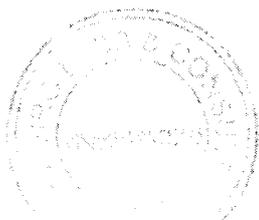
## EMISSION RATE

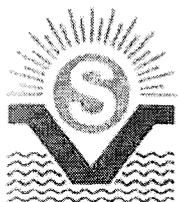
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	40.8	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	87.6	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	283	<500	IS:11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.4	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech-160 109-DTI-2018	20-08-2022	19-08-2023

  
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Ref: SVELC/APML/23-07/08

Date: 24-07-2023

NAME AND ADDRESS : **M/s. ANDHRA PAPER MILL LIMITED.,**  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : **STACK EMISSIONS**

SOURCE OF COLLECTION : Rotary Lime Kiln-2

DATE & TIME OF COLLECTION : 14-07-2023 @ 14:00 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	60
2.	Diameter of Stack	m	1.2
3.	Cross Section Area of Stack	m <sup>2</sup>	1.13
4.	Temperature @ DGM	°C	33
5.	Stack temperature	°C	121
6.	Flue Gas Velocity	m/sec	9.83
7.	Flow Rate	Nm <sup>3</sup> /hr	30046
8.	Duration of Sampling	minutes	30

## EMISSION RATE

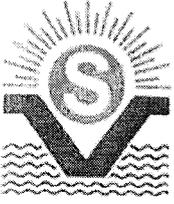
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	40.5	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	67.0	<400	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	237	<500	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.1	<10	USEPA Method-11

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

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SV ENVIRO LABS & CONSULTANTS





# SV ENVIRO LABS & CONSULTANTS

(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

Corporate Office & Laboratory : Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012.  
Hyderabad: Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038.  
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Ref: SVELC/APML/23-07/05

Date: 24-07-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Coal Fired Boiler –CF6

DATE & TIME OF COLLECTION : 14-07-2023 @ 11:45 hr

## TEST REPORT

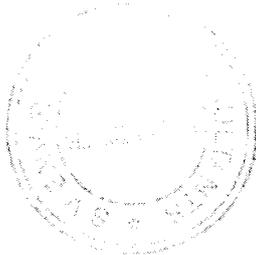
S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	85
2.	Diameter of Stack	m	2.5
3.	Cross Section Area of Stack	m <sup>2</sup>	4.90
4.	Temperature @ DGM	°C	33
5.	Stack temperature	°C	152
6.	Flue Gas Velocity	m/sec	9.30
7.	Flow Rate	Nm <sup>3</sup> /hr	114272
8.	Duration of Sampling	minutes	30

## EMISSION RATE

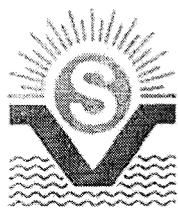
S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	39.6	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	84.7	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	189	<300	IS: 11255-P-7
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DT1-2018	20-08-2022	19-08-2023

*Ag*  
CHECKED BY



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# SV ENVIRO LABS & CONSULTANTS

(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

**Corporate Office & Laboratory :** Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012.  
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Ref: SVELC/APML/23-07/06

Date: 24-07-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : Recovery Boiler -4

DATE & TIME OF COLLECTION : 14-07-2023 @ 12:30 hr

## TEST REPORT

S. No.	DESCRIPTION	UNIT	RESULT
1.	Stack Height	m	90
2.	Diameter of Stack	m	3.5
3.	Cross Section Area of Stack	m <sup>2</sup>	9.61
4.	Temperature @ DGM	<sup>0</sup> C	33
5.	Stack temperature	<sup>0</sup> C	155
6.	Flue Gas Velocity	m/sec	9.9
7.	Flow Rate	Nm <sup>3</sup> /hr	236901
8.	Duration of Sampling	minutes	30

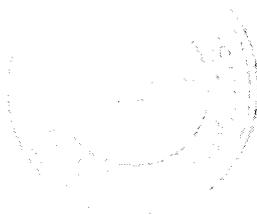
## EMISSION RATE

S.No.	PARAMETER	UNITS	RESULT	STANDARDS	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	36.7	<50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	97.4	<600	IS:11255-P-2
3.	Oxides of Nitrogen -NO <sub>x</sub>	mg/Nm <sup>3</sup>	176	<300	IS: 11255-P-7
4.	Hydrogen Sulphide	mg/Nm <sup>3</sup>	4.21	--	USEPA Method-11
4.	Mercury	mg/Nm <sup>3</sup>	<0.005	<0.03	USEPA Method-29

Instrument Used	Make	Model	Calibrated on	Calibration Due
Stack Monitoring Kit	Lata Envirotech Instruments	Lata Envirotech- 160 109-DTI-2018	20-08-2022	19-08-2023

  
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INTERNATIONAL  PAPER

Lr. No: IPAPPM/ENV/2019/07-290

29.07.2019

To

Environmental Engineer  
A.P. Pollution Control Board

Regional Office : Kakinada  
Plot No : 2 ; Ramanayyapeta, KAKINADA  
East Godavari District, Andhra Pradesh.

SUB: International Paper APPM Limited, Unit: Rajahmundry-Submission of  
Compliance on Effluent Temperature - Cooling Tower refurbishment - reg.

REF: 1.APPCB Order No.617/APPCB/UH-II/KKD/2017 dated 19.09.2017  
2.APPCB Order No.617/APPCB/UH-II/KKD/2016 dated 30.01.2017  
3.APPCB Order no .617/APPCB/TF-HO/2015-1924 , dated 22.06.2015  
4.APPCB Order no . 617/PCB/TF-VSP/2001-1034 dated on 17.08.2013

Dear Sir

We draw your kind attention on the above cited directions issued to our company through various orders, directing us to comply with **"Effluent temperature requirement of 35 deg. c at the inlet of Aeration Tank by upgrade / modify the existing cooling tower / improve the performance of existing Cooling Tower"**.

The above said direction has been complied with and would like to submit the following compliance report :

1. We engaged "Central Paper & Pulp Research Institute (CPPRI)" Saharanour, U.P for "Adequacy Assessment and Performance Evaluation of ETP" in May, 2015. As per the report various units of ETP like primary clarifiers, Cooling tower, aeration tanks , Secondary Clarifiers and Sludge dewatering machines are adequate to handle current effluents volume and pollution loads . CPPRI observed that , the performance of various units of ETP as well as overall performance of ETP has been found satisfactory to achieve stipulated standards.

### International Paper APPM Limited

(Formerly known as THE ANDHRA PRADESH PAPER MILLS LIMITED)

Regd. Office & Mills : Sriramnagar P.O, Rajahmundry-533 105, East Godavari Dist., (A.P.) India.

Phone : +91 883 2471831-34; +91 883 801 3000; Fax : +91 883 2461764/2471383; Website : www.ipappm.com  
An ISO 9001, ISO 14001, OHSAS 18001 & FSC Certified Company

2. Again in June, 2016 we engaged NEERI, Nagpur to carry out "Performance Evaluation of ETP". NEERI observed that, the performance of various units of ETP as well as overall performance of ETP including existing cooling water has been found satisfactory to achieve stipulated standards.
3. Both reports have already been submitted to APPCB vide letter no. IPAPPM/ENV/2015/05-26, dated 15.05.2015 and IPAPPM/ENV/2017/04-152, dated 22.04.2017 and was reviewed in External Advisory Committees too.
4. The bacterial growth rates are double with approximately every 10 deg.c increase in temperature until the Optimum temperature is reached. Typical temperature ranges for various bacteria are given below just for information please. Normally Mesophilic bacteria is predominant in activated sludge processes for decomposition of organics matter present in the effluents.

Type	Temperature deg.c	
	Range	Optimum
Psychrophilic ( Cryophilic)	10 - 30	12 - 18
Mesophilic	20 - 50	25 - 40
Thermophilic	35 - 75	55 - 65

• Extract from Metcalf & Eddy – Waste Water Engineering Treatment Disposal Reuse Third edition

5. Existing Cooling tower (CT) before aeration tank has been refurbished in the month of March-2019 by :
  - i) Replaced existing internals media with new
  - ii) Fan Gar box overhauling done
  - iii) New FRP Fan Arms installed and realigned to increase more ambient air intake to improve cooling performance
  - iv) Structural Beams strengthened
  - v) Entire Cooling tower cleaned
  - vi) Effluent distribution spray nozzles replaced with new in order to have more surface area contact and also increase heat transfer.

- Estimated Cost : INR 34.36 Lacs

### **International Paper APPM Limited**

(Formerly known as THE ANDHRA PRADESH PAPER MILLS LIMITED)

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**INTERNATIONAL  PAPER**

6. After refurbishment of existing cooling tower we achieved 8 – 10 deg.c reduction in effluent temperature and able to maintain at 38 – 40 deg. c at inlet of Aeration tank. Cooling Tower refurbishment photographs attached for your ready reference.

We are committed for deep care about environment. Environmental pollution abatement is a continuing process which involves updating to latest reliable modern available technologies. We are committed towards continuous improvement in our operations by adopting manufacturing excellence tools and implementing best practices to protect environment where we operate.

This is for your kind information.

*N. Shanmugam - SM*

Yours Faithfully

For **International Paper APPM Limited – Unit: Rajahmundry**

**Natarajan Shanmugam**  
**Vice President (Operations) & Mill Manager**

CC : Joint Chief Environmental Engineer – UH II , Board Office , Vijayawada

**International Paper APPM Limited**

(Formerly known as THE ANDHRA PRADESH PAPER MILLS LIMITED)

Regd. Office & Mills : Sriramnagar P.O, Rajahmundry-533 105, East Godavari Dist., (A.P.) India.

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oll

APL/ENV/2022/12-526

22.12.2022

To

Environmental Engineer,  
A. P. Pollution Control Board, Regional Office,  
Kakinada, **Andhara Pradesh.**

SUB: Andhra Paper Limited, Rajahmundry – Compliance status on CFO condition no.8 under  
General Head – Regarding

REF : CFO dated 02.04.2018, S.No . 8 of General Conditions

We are pleased to inform you the compliance status of General Condition under S.No.8 of CFO  
order dated 02.04.2018 as under:

**S. No: 8 of General Condition of CFO:**

The Industry shall restrict the temperature of waste water to below 35 deg.c at inlet of ETP.  
The Plan of action to restrict the temperature of waste water at inlet of ETP within 2 months  
shall be furnished to RO Kakinada and ZO Visakhapatnam.

**Action Plan & Compliance Status:**

Existing ETP cooling tower before Aeration tank is proposed to rebuild with higher efficiency  
to meet the outlet waste water temperature below 35 deg.c. Work order was issued to  
M/S. S.V.Cooling Towers (P) Ltd. E-32 Kavi Nagar Industrial Area, Sector-17, Ghaziabad-  
201002, U.P , India. Equipment ordering and civil work orders were already placed to  
respective vendors. Works started on 14.11.2022 and target to complete it by the end of  
March.2023

**The Total estimated Budget is: Rs.73.714 Lacs.**

This is for your kind information and update

Yours Sincerely  
For **Andhra Paper Limited. Unit – Rajahmundry**

**Ashok Kumar Singh**  
Vice President (Operations) & Mill Manager

RECEIVED COVER  
CONTENTS NOT KNOWN  
24/12/2022  
AP POLLUTION CONTROL BOARD  
KAKINADA

**ANDHRA PAPER LIMITED**

(Corporate Identity Number: L21010AP1964PLC001008)

Regd. Office: Rajamahendravaram – 533 105, East Godavari District, India. Tel: +91-883-2471831

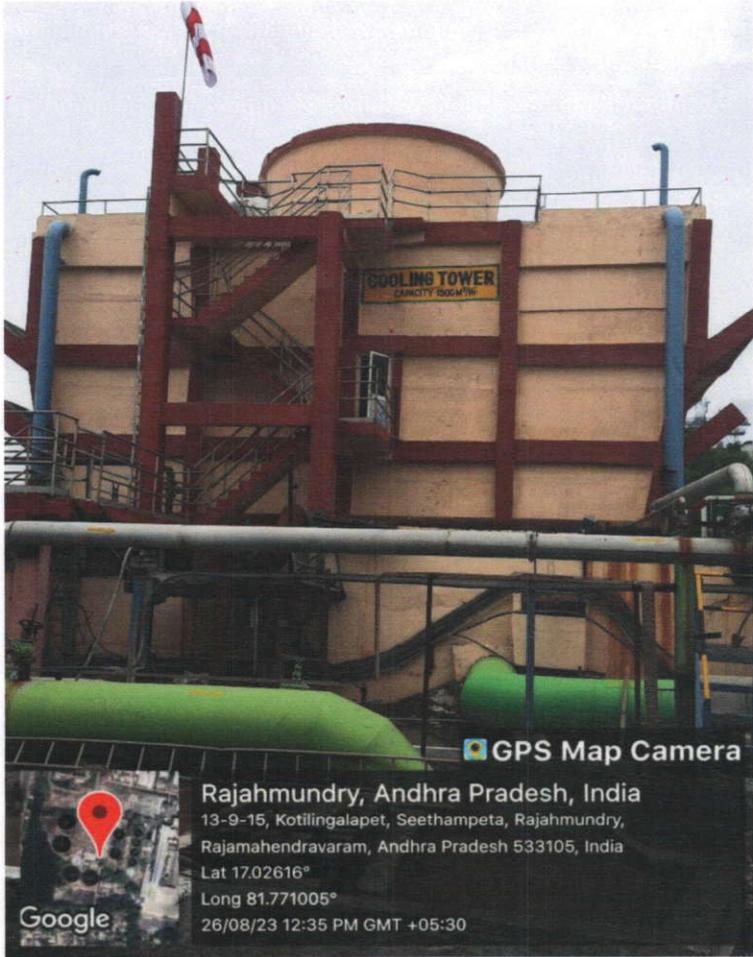
Corp. Office: 31, Chowringhee Road, Park

Street, Kolkata – 700 016, India. Tel: +91-33-71500500

Website: [www.andhrapaper.com](http://www.andhrapaper.com); Email: [info@andhrapaper.com](mailto:info@andhrapaper.com)

An ISO 9001:2015, ISO 14001: 2015, ISO 45001: 2018 and FSC® Certified Company

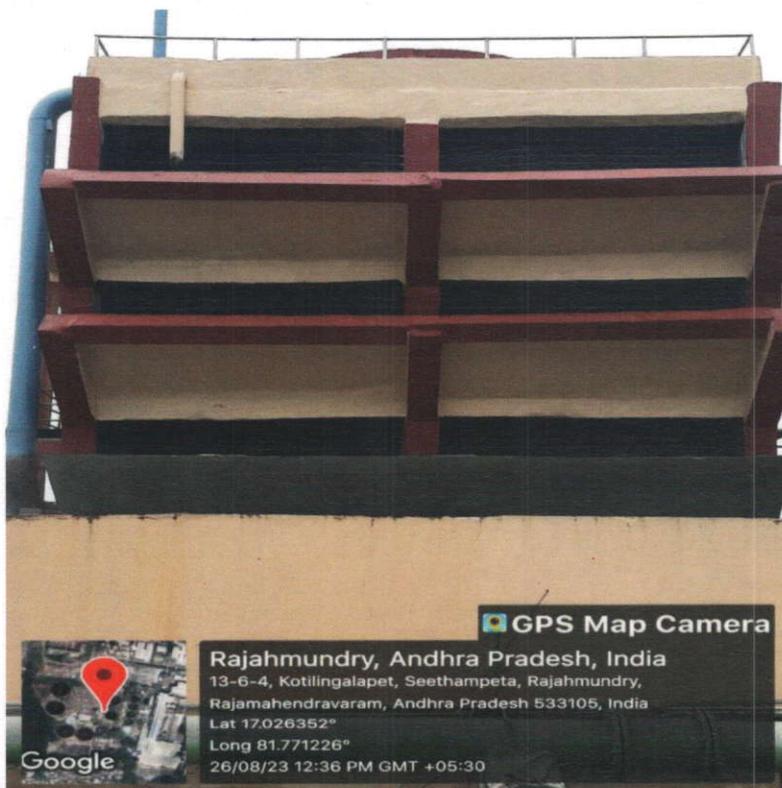
(FSC® - C084811, FSC® - C119477 & FSC® - C112308)



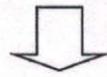
ETP COOLING TOWER

BEFORE  
MICROBIAL  
AERATION  
TREATMENT

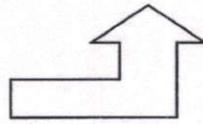
COMMISSIONED  
IN 3<sup>RD</sup> WEEK OF  
AUGUST' 2023



Cooling Tower refurbishment photographs



Civil Works to strengthen beams / vertical columns / Structure

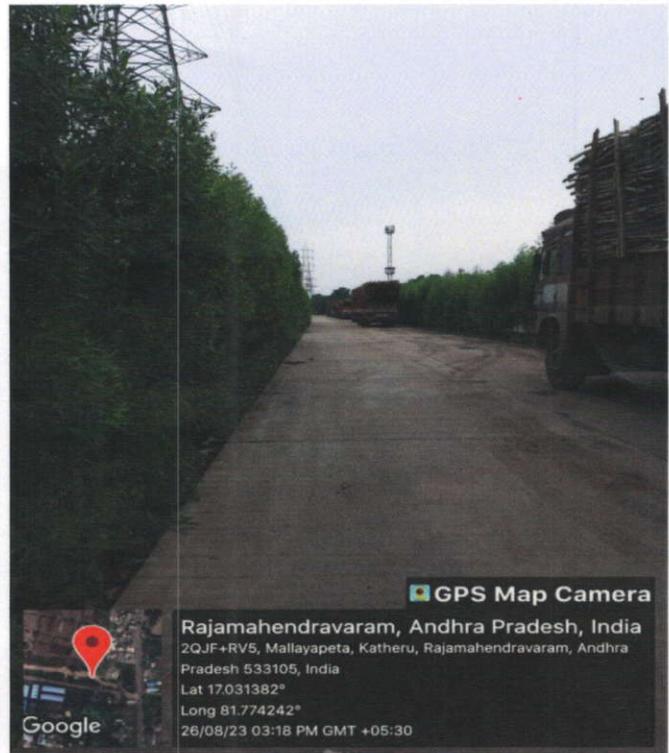
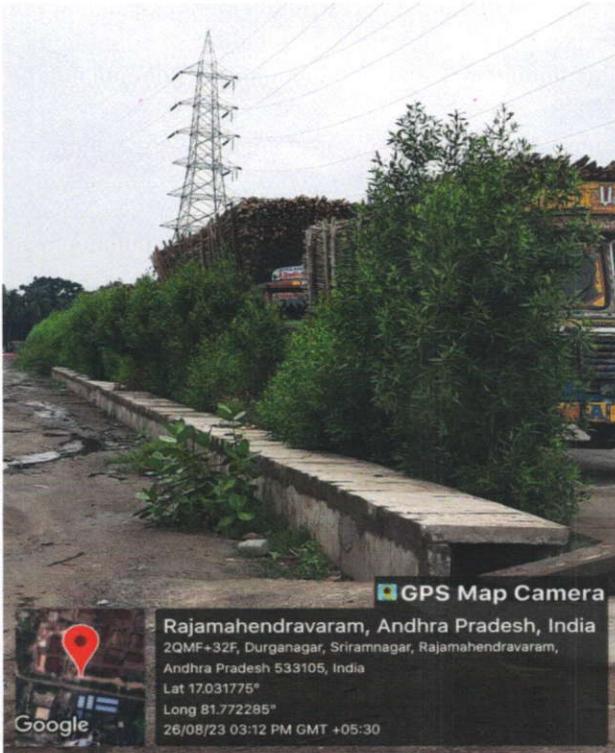




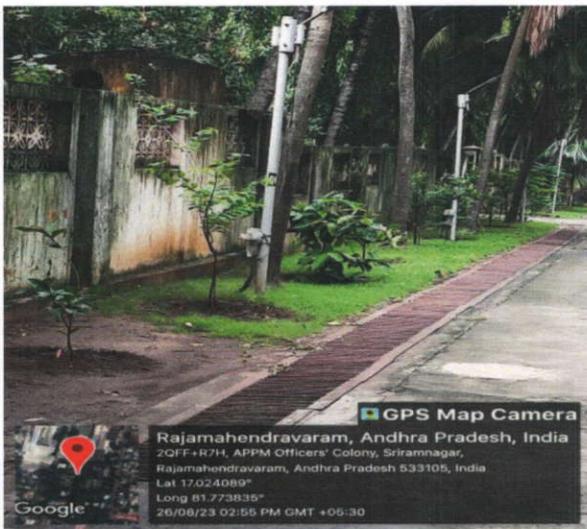
Cooling Tower Internals and media renovation works including Gear box overhauling , New FRP fan installation



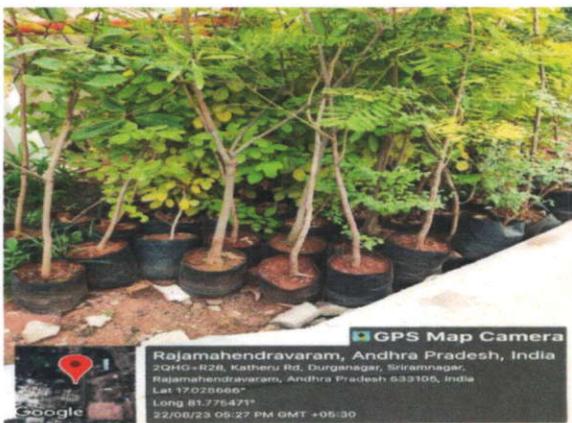
Cooling Tower After refurbishment – Achieved 8 – 10 deg. C reduction in effluent temperature & in let of aeration effluent temperature maintained in the range of @ 38 – 40 deg. c



Planation during rainy seasion in wood yard both side of road 800 meters length – 500 No.s



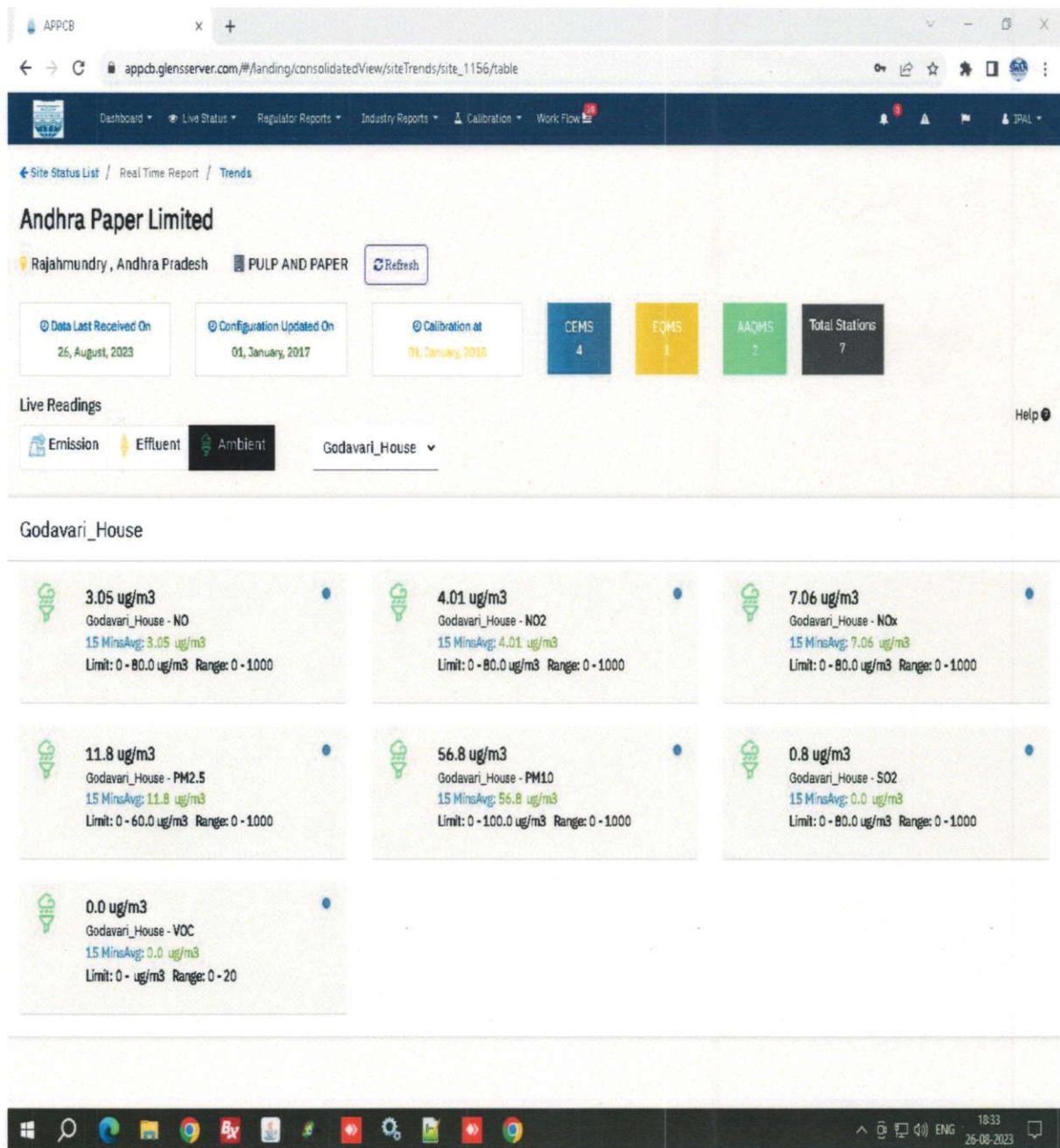
Planation at Mill roadsides 100 no's

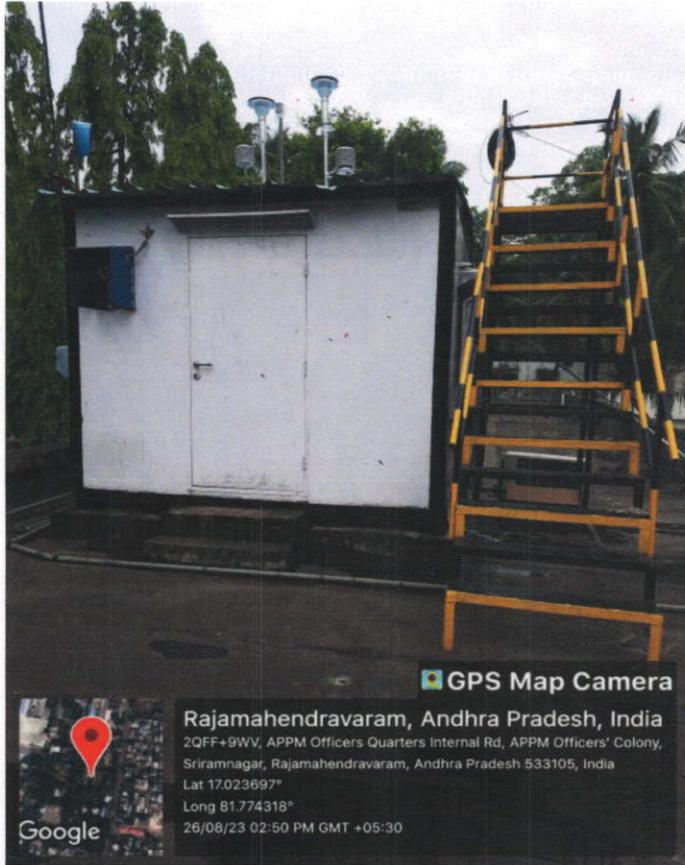


Sapling kept ready for plantation at site.

2<sup>nd</sup> AAQMS at Godavari House Terrace reinstalled with new Analyzers of PM 10, PM 2.5, SO2 & NOX and data transmitted to APPCB web site from 23.08.2023

Data screen shot for ready reference :

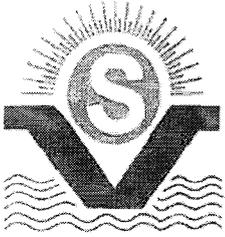




2<sup>nd</sup> AAQMS installed and commissioned in on 23.08.2023.



2<sup>nd</sup> AAQMS Inside analysers view  
PM 10, PM 2.5,  
So2 & Nox.



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(Environmental Engineers & Consultants in Pollution Control)

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& Laboratory www.svenvirolabs.com, Ph:0891-2755528, Cell: +91 9440338628  
info@svenvirolabs.com, svenviro\_labs@yahoo.co.in

Branch Office : 2-53, Mahipala Street, Yanam - 533464.

Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



Ref: SVELC/APML/23-01/04

Date: 24-01-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh - 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner - New Wood Yard

DATE & TIME OF COLLECTION : 11-01-2023@ 11:00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

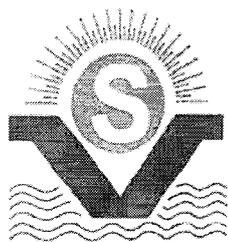
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	61.5	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	22.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	15.9	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	22.4	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	186	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.0	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	27.9	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

  
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& Laboratory : www.svenviolabs.com, Ph:0891-2755528, Cell: +91 9440338628  
info@svenviolabs.com, svenviro\_labs@yahoo.co.in

Branch Office : 2-53, Mahipala Street, Yanam - 533464.

Recognized by Govt.of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



Ref: SVELC/APML/23-01/03

Date: 24-01-2023

NAME AND ADDRESS : **M/s. ANDHRA PAPER MILL LIMITED.,**  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : **AMBIENT AIR QUALITY**

SOURCE OF COLLECTION : South East Corner – Godavari House

DATE & TIME OF COLLECTION : 11-01-2023@ 10:40 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

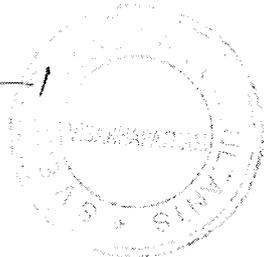
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	55.7	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	22.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.1	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	24.3	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	179	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.4	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	27.5	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

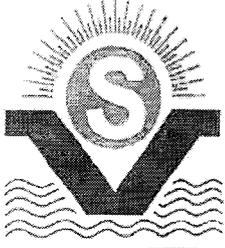
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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SV ENVIRO LABS & CONSULTANTS



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**& Laboratory**      www.svenviolabs.com, Ph:0891-2755528, Cell: +91 9440338628  
 info@svenviolabs.com, svenviro\_labs@yahoo.co.in

**Branch Office :** 2-53, Mahipala Street, Yanam - 533464.

Recognized by Govt.of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



Ref: SVELC/APML/23-01/02

Date: 24-01-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 11-01-2023@ 10:20 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

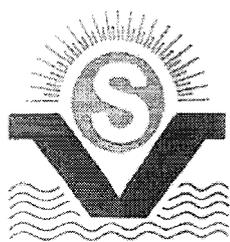
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	55.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	23.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.4	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	24.5	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	153	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.2	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	30.2	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 -DTA-2019	25/10/2022	24/10/2023

  
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& Laboratory www.svenviolabs.com, Ph:0891-2755528, Cell: +91 9440338628  
info@svenviolabs.com, svenviro\_labs@yahoo.co.in

Branch Office : 2-53, Mahipala Street, Yanam - 533464.

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Ref: SVELC/APML/23-01/01

Date: 24-01-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : SouthWest Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 11-01-2023@ 10:00 hr

DURATION OF SAMPLING : 24 Hours

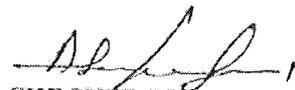
ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

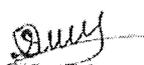
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	58.9	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	16.1	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	22.8	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	181	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.8	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	40.0	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

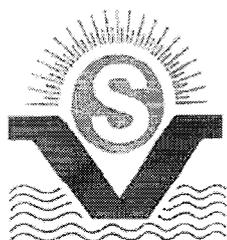
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No 113-DTA-2019	25/10/2022	24/10/2023

  
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SV ENVIRO LABS & CONSULTANTS



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**Branch Office :** 2-53, Mahipala Street, Yanam - 533464.

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Ref: SVELC/APML/23-02/04

Date: 25-02-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner – New Wood Yard

DATE & TIME OF COLLECTION : 16-02-2023 @ 11:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

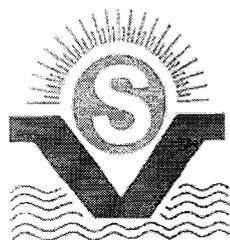
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	63.5	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	23.8	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	16.6	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	24.3	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	194	2000	IS:5182 (P- 10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.4	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	29.0	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

*[Signature]*  
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Ref: SVELC/APML/23-02/03

Date: 25-02-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : South East Corner – Godavari House

DATE & TIME OF COLLECTION : 16-02-2023 @ 11:10 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

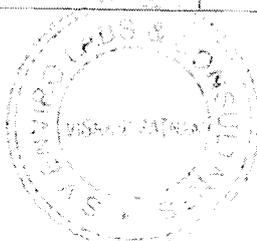
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	58.7	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	24.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	18.3	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	26.4	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	187	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.7	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	28.3	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

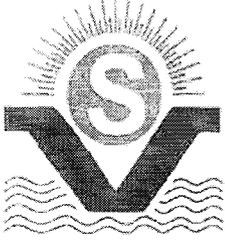
**Remarks:** As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET

Ref: SVELC/APML/23-02/02

Date: 25-02-2023



NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 16-02-2023 @ 10:50 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

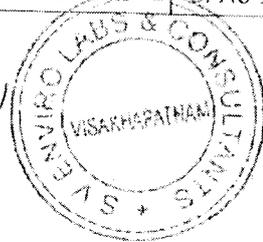
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	58.3	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	24.5	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	18.6	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	56.3	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	161	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.6	100	IS :5182 (P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	33.3	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

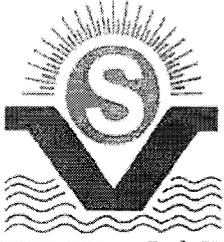
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 -DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-02/01

Date: 25-02-2023



NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : South West Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 16-02-2023 @ 10:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

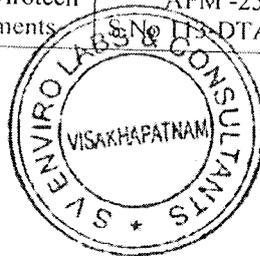
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	61.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	27.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.2	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	24.6	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	188	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.2	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	43.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

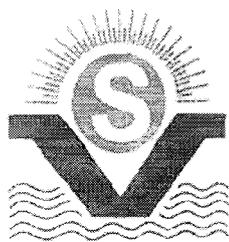
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No. 113-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-03/04

Date: 28-03-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner – New Wood Yard

DATE & TIME OF COLLECTION : 17-03-2023 @ 11:00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

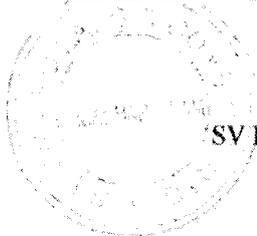
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	66.4	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	24.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.2	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	25.6	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	190	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.7	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	26.3	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

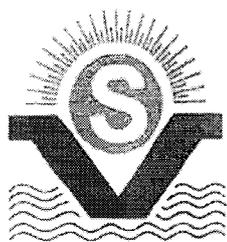
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-03/03

Date: 28-03-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : South East Corner – Godavari House

DATE & TIME OF COLLECTION : 17-03-2023 @ 10:40 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

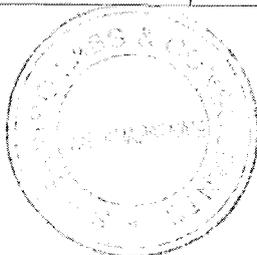
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	60.4	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.6	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	23.4	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	181	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.0	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	26.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

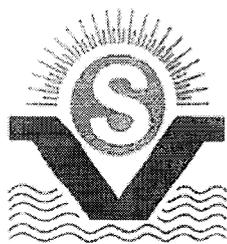
**Remarks:** As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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(Environmental Engineers & Consultants in Pollution Control)

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 & Laboratory : www.svenviolabs.com, Ph:0891-2755528, Cell: +91 9440338628  
 info@svenviolabs.com, svenviro\_labs@yahoo.co.in

Branch Office : 2-53, Mahipala Street, Yanam - 533464.

Recognized by Govt.of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



Ref: SVELC/APML/23-03/02

Date: 28-03-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 17-03-2023 @ 10:20 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

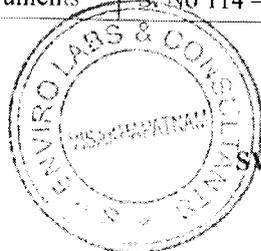
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	61.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25.4	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19.5	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	57.8	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	157	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.10	100	IS :5182 (P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	31.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

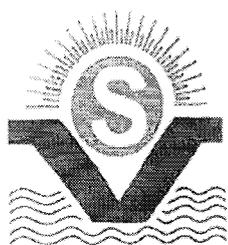
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 -DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-03/01

Date: 28-03-2023



NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : SouthWest Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 17-03-2023 @ 10:00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

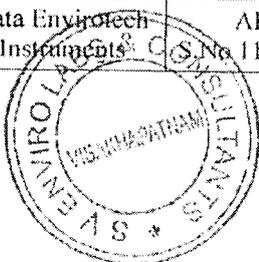
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	64.1	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	28.4	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	18.3	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	25.8	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	184	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.61	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	38.9	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

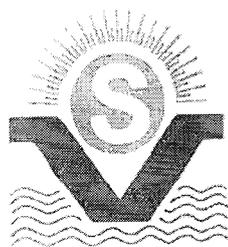
**Remarks:** As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No 113-DTA-2019	25/10/2022	24/10/2023

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**& Laboratory** www.svenviolabs.com, Ph:0891-2755528, Cell: +91 9440338628  
 info@svenviolabs.com, svenviro\_labs@yahoo.co.in

**Hyderabad Office :** Flat No. 302, H.No.7-1-396/B/12, Sai Ram Residency,  
 Balkampet Road, S.R. Nagar, Hyderabad-500038

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Ref: SVELC/APML/23-04/04

Date: 25-04-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner – New Wood Yard

DATE & TIME OF COLLECTION : 15-04-2023 @ 11:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

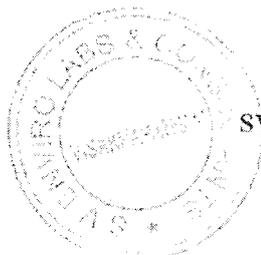
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	68.3	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25.9	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	16.4	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	22.8	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	179	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.2	100	IS :5182 (P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	25.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

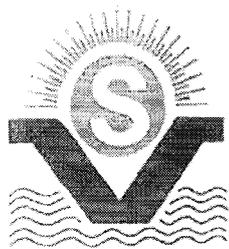
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

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& Laboratory www.svenviolabs.com, Ph:0891-2755528, Cell: +91 9440338628

info@svenviolabs.com, svenviro\_labs@yahoo.co.in

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Ref: SVELC/APML/23-04/03

Date: 25-04-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : South East Corner – Godavari House

DATE & TIME OF COLLECTION : 15-04-2023 @ 11:10 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

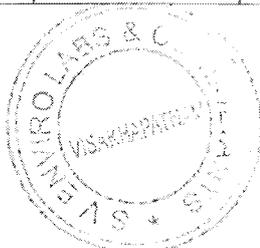
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	62.8	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	26.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	18.3	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	25.4	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	187	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.4	100	IS :5182 (P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	28.6	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

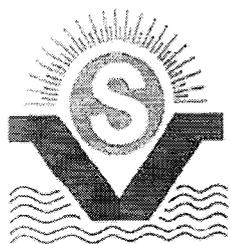
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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& Laboratory www.svenvirolabs.com, Ph:0891-2755528, Cell: +91 9440338628

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Balkampet Road, S.R. Nagar, Hyderabad-500038

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Ref: SVELC/APML/23-04/02

Date: 25-04-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 15-04-2023 @ 10:50 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

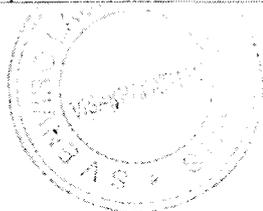
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	64.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	26.8	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	20.4	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	53.9	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	164	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.26	100	IS :5182 (P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	33.5	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

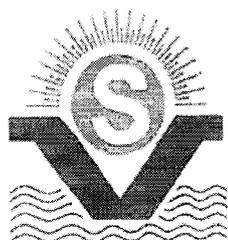
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 –DTA-2019	25/10/2022	24/10/2023

  
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Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by: NABL & NABET



Ref: SVELC/APML/23-04/01

Date: 25-04-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : SouthWest Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 15-04-2023 @ 10:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

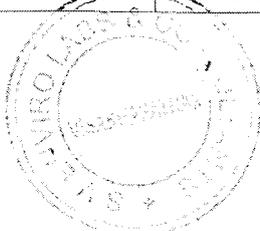
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	67.3	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	29.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19.2	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	24.1	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	172	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.24	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	35.9	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

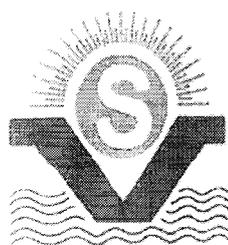
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No 113-DTA-2019	25/10/2022	24/10/2023

*Asa*  
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*Asa*  
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Balkampet Road, S.R. Nagar, Hyderabad-500038

Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by: NABL & NABET



Ref: SVELC/APML/23-05/04

Date: 29-05-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner – New Wood Yard

DATE & TIME OF COLLECTION : 20-05-2023 @ 11:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

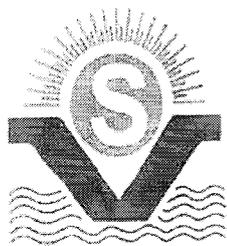
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	65.9	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	23.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	14.9	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	20.4	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	172	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.0	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	23.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

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(Environmental Engineers & Consultants in Pollution Control)

**Corporate Office:** Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012  
**& Laboratory** www.svenviolabs.com, Ph:0891-275528, Cell: +91 9440338628  
 info@svenviolabs.com, svenviro\_labs@yahoo.co.in

**Hyderabad Office:** Flat No. 302, H.No.7-1-396/B/12, Sai Ram Residency,  
 Balkampet Road, S.R. Nagar, Hyderabad-500038

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Ref: SVELC/APML/23-05/03

Date: 29-05-2023

**NAME AND ADDRESS :** M/s. ANDHRA PAPER MILL LIMITED,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

**SAMPLE PARTICULARS :** AMBIENT AIR QUALITY

**SOURCE OF COLLECTION :** South East Corner – Godavari House

**DATE & TIME OF COLLECTION :** 20-05-2023 @ 11:10 hr

**DURATION OF SAMPLING :** 24 Hours

**ATMOSPHERE CONDITION :** Clear Sky

## TEST REPORT

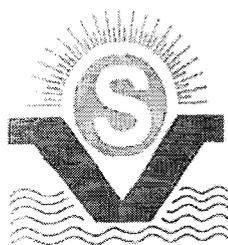
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	65.1	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	27.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19.1	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	26.7	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	193	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.9	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	30.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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 info@svenviolabs.com, svenviro\_labs@yahoo.co.in

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 Balkampet Road, S.R. Nagar, Hyderabad-500038

Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by: NABL & NABET



Ref: SVELC/APML/23-05/02

Date: 29-05-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 20-05-2023 @ 10:50 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

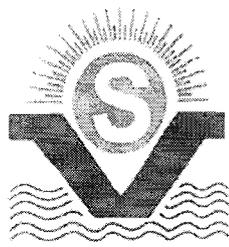
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	66.8	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	28.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	22.4	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	56.1	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	159	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.05	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	30.2	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 –DTA-2019	25/10/2022	24/10/2023

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Balkampet Road, S.R. Nagar, Hyderabad-500038

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Ref: SVELC/APML/23-05/01

Date: 29-05-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : SouthWest Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 20-05-2023 @ 10:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

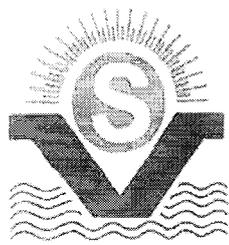
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	69.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	30.5	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	20.4	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	25.7	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	179	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.51	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	39.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No 113-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-06/03

Date: 24-06-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : South East Corner – Godavari House

DATE & TIME OF COLLECTION : 16-06-2023 @ 10:40 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

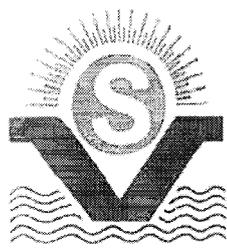
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	67.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	28.4	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	21.6	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	28.3	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	187	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.4	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	32.6	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	PCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-06/02

Date: 24-06-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 16-06-2023 @ 10:20 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

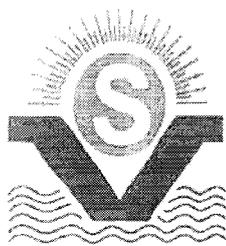
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	68.1	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	29.5	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	23.4	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	58.6	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	164	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.56	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	31.5	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

**Remarks:** As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 –DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-06/01

Date: 24-06-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : SouthWest Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 16-06-2023 @ 10:00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	71.4	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	31.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	22.1	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	27.5	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	186	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.24	100	IS :5182 (P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	42.6	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

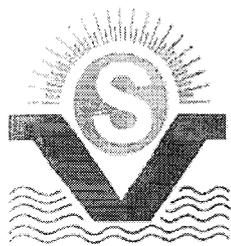
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No 113-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-06/04

Date: 24-06-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner – New Wood Yard

DATE & TIME OF COLLECTION : 16-06-2023 @ 11:00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

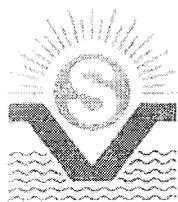
S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	68.1	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25.3	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	16.2	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	22.5	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	179	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.6	100	IS :5182 (P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	25.7	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

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(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

Corporate Office & Laboratory : Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012.  
Hyderabad: Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038.  
T: +91-9440338628, +91-7207664444 ✉ svenviro\_labs@yahoo.co.in, info@svenviro.com www.svenviro.com  
Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



Ref: SVELC/APML/23-07/01

Date: 24-07-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED,  
Rajahmundry, East Godavari,  
Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : SouthWest Corner – ETP LAGOON

DATE & TIME OF COLLECTION : 14-07-2023 @ 10:10 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

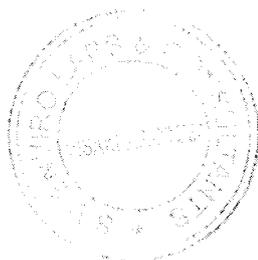
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	68.7	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	30.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	20.8	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	25.6	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	177	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	6.48	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	1.0	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	39.0	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

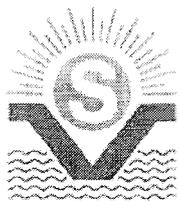
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM -250 S.No 113-DTA-2019	25/10/2022	24/10/2023

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Ref: SVELC/APML/23-07/02

Date: 24-07-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North East Corner – STP Mallaypet

DATE & TIME OF COLLECTION : 14-07-2023 @ 10:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

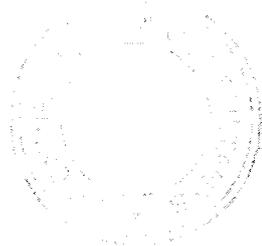
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	66.2	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	28.0	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	22.5	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	55.9	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	158	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	7.12	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	30.4	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

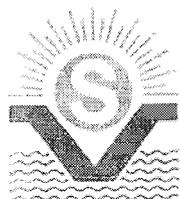
Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 114 –DTA-2019	25/10/2022	24/10/2023

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**Hyderabad:** Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038.  
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Ref: SVELC/APML/23-07/03

Date: 24-07-2023

NAME AND ADDRESS : **M/s. ANDHRA PAPER MILL LIMITED.,**  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : **AMBIENT AIR QUALITY**

SOURCE OF COLLECTION : South East Corner – Godavari House

DATE & TIME OF COLLECTION : 14-07-2023 @ 10:50 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

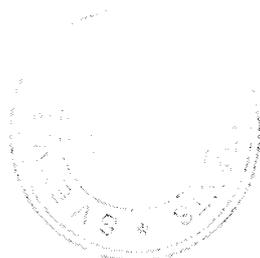
## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	65.4	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	27.3	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	19.8	80	IS:5182 ( P-2 )
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	26.5	80	IS:5182 ( P-6 )
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	194	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.7	100	IS :5182 ( P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	31.2	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

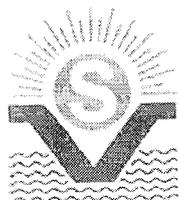
**Remarks:** As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S. No 112-DTA-2019	25/10/2022	24/10/2023

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**Hyderabad:** Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038.  
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Ref: SVELC/APML/23-07/04

Date: 24-07-2023

NAME AND ADDRESS : M/s. ANDHRA PAPER MILL LIMITED.,  
 Rajahmundry, East Godavari,  
 Andhra Pradesh – 533105.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : North West Corner – New Wood Yard

DATE & TIME OF COLLECTION : 14-07-2023 @ 11:10 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

S.No	Parameter	Unit	Result	NAAQ Standard	Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	65.7	100	IS:5182 (P-23)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	23.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	15.0	80	IS:5182 (P-2)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	20.3	80	IS:5182 (P-6)
5.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	171	2000	IS:5182 (P-10)
6.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	5.0	100	IS :5182 (P-9)
7.	Lead(Pb)	µg/m <sup>3</sup>	<0.01	01	IS:5182 (P-22)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	23.8	400	IS:5182 (P-25)
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	<0.01	05	IS 5182 (P-11)
10.	Benzo(a)pyrene(BaP)	ng/m <sup>3</sup>	<0.01	01	IS 5182 (P-12)
11.	Arsenic (As)	ng/m <sup>3</sup>	<1.0	06	CPCB Guidelines
12.	Nickel (Ni)	ng/m <sup>3</sup>	<1.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.

Instrument Used	Make	Model	Calibrated on	Calibration Due
Cambo PM 10 & PM 2.5 Sampler	Lata Envirotech Instruments	APM 250 S.NO 115-DTA-2019	25/10/2022	24/10/2023

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