

**TEST REPORT**

- 1) Name of the project : **M/s. Bank Note Paper Mill India Pvt. Ltd.**
Note Mudran Nagar,
Mysore- 570003.
- 2) Date of collection : 23/07/2018
- 3) Particulars of sample collected : **1500 KVA DG SET**
- 4) Date of sample Receipt : 23/07/2018
- 5) Sample number : END/2018/07/0661
- 6) Date of Analysis : 24/07/2018
- 7) Date of completion : 27/07/2018
- 8) Report No. : END/2018/07/0661
- 9) Date of Report : 27/07/2018

Instrument Used:

Instrument Name	Instrument ID	Make	Model	Instrument Calibrated Date	Instrument Calibrated Due Date
STACK SAMPLER	BARC/INST/045	VAYUBODHAN	VSS 1	08/12/2017	07/12/2018
FLUE GAS ANALYZER	BARC/INST/185	KANE	QUINTOX-9206	08/12/2017	07/12/2018

General Details:

Date of Monitoring	23/07/2018
Fuel used	Diesel
Ambient Temperature(°C)	32
Height (m)	30 mts AGL
Diameter (m)	0.42

STACK MONITORING RESULTS

Sl No	Parameters	Unit	Result	Limits	Test Method
1	Flue Gas Temperature	°C	127	N.S	IS:11255 (Part-3): 2008
2	Exit Velocity of gas	(Mts/Sec)	8.1	N.S	IS:11255 (Part-3): 2008
3	Particulate matter	mg/Nm ³	47.2	75	IS:11255 (Part-1):1985 (Reaff:2014)
4	Oxides of Sulphur (SO ₂)	mg/Nm ³	10.7	N.S	IS:11255 (Part-2):1985 (Reaff:2014)
5	Oxides of Nitrogen (NO ₂)	mg/Nm ³	68.1	710	BY FGA
6	Carbon Monoxide(CO)	mg/Nm ³	139.2	150	BY FGA
7	Non Methane Hydro Carbon	ppm	NIL	100	BY FGA

NOTE:-

- NS- Not specified

TEST REPORT

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| 1) Name of the project | : M/s. Bank Note Paper Mill India Pvt. Ltd.
Note Mudran Nagar,
Mysore- 570003. |
| 2) Date of collection | : 23/07/2018 |
| 3) Particulars of sample collected | : 10 TPH oil fired Boiler "A" |
| 4) Date of sample Receipt | : 23/07/2018 |
| 5) Sample number | : END/2018/07/0662 |
| 6) Date of Analysis | : 24/07/2018 |
| 7) Date of completion | : 27/07/2018 |
| 8) Report No. | : END/2018/07/0662 |
| 9) Date of Report | : 27/07/2018 |

Instrument Used:

Instrument Name	Instrument ID	Make	Model	Instrument Calibrated Date	Instrument Calibrated Due Date
STACK SAMPLER	BARC/INST/045	VAYUBODHAN	VSS 1	08/12/2017	07/12/2018
FLUE GAS ANALYZER	BARC/INST/185	KANE	QUINTOX-9206	08/12/2017	07/12/2018

General Details:

Date of Monitoring	23/07/2018
Fuel used	Furnace oil
Ambient Temperature(°C)	32
Height (m)	46 mts AGL
Diameter (m)	1.50

STACK MONITORING RESULTS

Sl No	Parameters	Unit	Result	Limits	Test Method
1	Flue Gas Temperature	°C	140	N.S	IS:11255 (Part-3): 2008
2	Exit Velocity of gas	(Mts/Sec)	7.6	N.S	IS:11255 (Part-3): 2008
3	Particulate matter	mg/Nm ³	34.8	75	IS:11255 (Part-1):1985 (Reaff:2014)
6	Oxides of Sulphur (SO ₂)	mg/Nm ³	33.6	N.S	IS:11255 (Part-2):1985 (Reaff:2014)
7	Oxides of Nitrogen (NO ₂)	mg/Nm ³	64.1	710	BY FGA
8	Carbon Monoxide(CO)	mg/Nm ³	142.3	150	BY FGA
9	Non Methane Hydro Carbon	ppm	NIL	100	BY FGA

NOTE:-

- NS- Not specified

TEST REPORT

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| 1) Name of the project | : M/s. Bank Note Paper Mill India Pvt. Ltd.
Note Mudran Nagar,
Mysore- 570003. |
| 2) Date of collection | : 23/07/2018 |
| 3) Particulars of sample collected | : 10 TPH oil fired Boiler "B&C" |
| 4) Date of sample Receipt | : 23/07/2018 |
| 5) Sample number | : END/2018/07/0663 |
| 6) Date of Analysis | : 24/07/2018 |
| 7) Date of completion | : 27/07/2018 |
| 8) Report No. | : END/2018/07/0663 |
| 9) Date of Report | : 27/07/2018 |

Instrument Used:

Instrument Name	Instrument ID	Make	Model	Instrument Calibrated Date	Instrument Calibrated Due Date
STACK SAMPLER	BARC/INST/045	VAYUBODHAN	VSS 1	08/12/2017	07/12/2018
FLUE GAS ANALYZER	BARC/INST/185	KANE	QUINTOX-9206	08/12/2017	07/12/2018

General Details:

Date of Monitoring	23/07/2018
Fuel used	Furnace oil
Ambient Temperature(°C)	32
Height (m)	56 mts AGL
Diameter (m)	1.50

STACK MONITORING RESULTS

Sl No	Parameters	Unit	Result	Limits	Test Method
1	Flue Gas Temperature	°C	157	N.S	IS:11255 (Part-3): 2008
2	Exit Velocity of gas	(Mts/Sec)	8.4	N.S	IS:11255 (Part-3): 2008
3	Particulate matter	mg/Nm ³	34.1	75	IS:11255 (Part-1):1985 (Reaff:2014)
6	Oxides of Sulphur (SO ₂)	mg/Nm ³	26.2	N.S	IS:11255 (Part-2):1985 (Reaff:2014)
7	Oxides of Nitrogen (NO ₂)	mg/Nm ³	65.3	710	BY FGA
8	Carbon Monoxide(CO)	mg/Nm ³	138.1	150	BY FGA
9	Non Methane Hydro Carbon	ppm	NIL	100	BY FGA

NOTE:-

- NS- Not specified

**TEST REPORT**

- 1) Name of the project : **M/s. Bank Note Paper Mill India Pvt. Ltd.**
 Note Mudran Nagar,
 Mysore- 570003.
- 2) Date of collection : 23/07/2018
- 3) Particulars of sample collected : **Diesel pump**
- 4) Date of sample Receipt : 23/07/2018
- 5) Sample number : END/2018/07/0664
- 6) Date of Analysis : 24/07/2018
- 7) Date of completion : 27/07/2018
- 8) Report No. : END/2018/07/0664
- 9) Date of Report : 27/07/2018

Instrument Used:

Instrument Name	Instrument ID	Make	Model	Instrument Calibrated Date	Instrument Calibrated Due Date
STACK SAMPLER	BARC/INST/045	VAYUBODHAN	VSS 1	08/12/2017	07/12/2018
FLUE GAS ANALYZER	BARC/INST/185	KANE	QUINTOX-9206	08/12/2017	07/12/2018

General Details:

Date of Monitoring	23/07/2018
Fuel used	Diesel
Ambient Temperature(°C)	32
Height (m)	3 mts ARL
Diameter (m)	0.11

STACK MONITORING RESULTS

SI No	Parameters	Unit	Result	Limits	Test Method
1	Flue Gas Temperature	°C	137	N.S	IS:11255 (Part-3): 2008
2	Exit Velocity of gas	(Mts/Sec)	9.3	N.S	IS:11255 (Part-3): 2008
3	Particulate matter	mg/Nm ³	29.6	75	IS:11255 (Part-1):1985 (Reaff:2014)
4	Oxides of Sulphur (SO ₂)	mg/Nm ³	7.5	N.S	IS:11255 (Part-2):1985 (Reaff:2014)
5	Oxides of Nitrogen (NO ₂)	mg/Nm ³	49.2	710	BY FGA
6	Carbon Monoxide(CO)	mg/Nm ³	131.9	150	BY FGA
7	Non Methane Hydro Carbon	ppm	NIL	100	BY FGA

NOTE:-

- NS- Not specified

**TEST REPORT**

- 1) Name of the Location : Near raw material godown area
- 2) Name of the project : **M/s. Bank Note Paper Mill India Pvt. Ltd.**
Note Mudran Nagar,
Mysore- 570003.
- 3) Date of collection : 23/07/2018
- 4) Particulars of sample collected : **Ambient Air Quality Monitoring**
- 5) Date of sample Receipt : 23/07/2018
- 6) Sample number : END/2018/07/0666
- 7) Date of Analysis : 24/07/2018
- 8) Date of completion : 27/07/2018
- 9) Report No. : END/2018/07/0666
- 10) Date of Report : 27/07/2018

INSTRUMENT USED

Instrument used	PM _{2.5}	PM ₁₀
		FDS
Make	ECOTECH	ECOTECH
Model	AAS-127 MINI	AAS-217-BL
Instrument ID	BARC/INST/130	BARC/INST/129
Instrument Calibrated Date	08/12/2017	08/12/2017
Instrument calibration due Date	07/12/2018	07/12/2018

Ambient Air Quality Monitoring Results

Sl No	PARAMETERS	UNITS	RESULTS	LIMITS, (NAAQS)	Test Method
1	Particulate matter (PM ₁₀)	µg/m ³	66.2	100	IS 5182 (Part-23) 2006 (Reaff2017)
2	Particulate matter (PM _{2.5})	µg/m ³	18.1	60	CFR 40 (Part-50) Appendix L-2006
3	Oxides of Nitrogen as NO ₂ ,	µg/m ³	16.8	80	IS 5182 (Part-6) 2006 (Reaff2017)
4	Oxides of Sulphur as SO ₂	µg/m ³	5.4	80	IS 5182 (Part-2) 2001(Reaff2017)
5	Lead as Pb,	µg/m ³	BDL	1.0	IS:5182 (Part-22):2004 Reaff:2014
6	Carbon Monoxide as (CO)	mg/m ³	NIL	04	IS:5182 (Part-10)
7	Ammonia (NH ₃)	µg/m ³	23	400	Method:401 AWMA 3 rd Edition
8	Benzene (C ₆ H ₆)	µg/m ³	BDL	05	IS:5182 (Part-11) (Reaff2017)
9	Benzo (a) Pyrene	ng/m ³	BDL	01	IS:5182 (Part-12)
10	Arsenic (As)	ng/m ³	BDL	06	BARC/TP/C-038
11	Nickel (Ni)	ng/m ³	BDL	20	BARC/TP/C-039
12	Ozone(O ₃)	µg/m ³	1.0	100	IS:5182 (Part-9)

NOTE: -

 BDL: Below Detection Limit



**TEST REPORT**

- 1) Name of the Location : Near WTP area
- 2) Name of the project : **M/s. Bank Note Paper Mill India Pvt. Ltd.**
Note Mudran Nagar,
Mysore- 570003.
- 3) Date of collection : 23/07/2018
- 4) Particulars of sample collected : **Ambient Air Quality Monitoring**
- 5) Date of sample Receipt : 23/07/2018
- 6) Sample number : END/2018/07/0667
- 7) Date of Analysis : 24/07/2018
- 8) Date of completion : 27/07/2018
- 9) Report No. : END/2018/07/0667
- 10) Date of Report : 27/07/2018

INSTRUMENT USED

Instrument used	PM _{2.5}	PM ₁₀
	FDS	RDS MACHINE
Make	ECOTECH	Instrumex
Model	AAS-127 MINI	IPM 115 (BL)
Instrument ID	BARC/INST/195	BARC/INST/043
Instrument Calibrated Date	08/12/2017	08/12/2017
Instrument calibration due Date	07/12/2018	07/12/2018

Ambient Air Quality Monitoring Results

Sl No	PARAMETERS	UNITS	RESULTS	LIMITS, (NAAQS)	Test Method
1	Particulate matter (PM ₁₀)	µg/m ³	63.3	100	IS 5182 (Part-23) 2006 (Reaff2017)
2	Particulate matter (PM _{2.5})	µg/m ³	17.4	60	CFR 40 (Part-50) Appendix L-2006
3	Oxides of Nitrogen as NO ₂	µg/m ³	17.7	80	IS 5182 (Part-6) 2006 (Reaff2017)
4	Oxides of Sulphur as SO ₂	µg/m ³	5.8	80	IS 5182 (Part-2) 2001(Reaff2017)
5	Lead as Pb,	µg/m ³	BDL	1.0	IS:5182 (Part-22):2004 Reaff:2014
6	Carbon Monoxide as (CO)	mg/m ³	NIL	04	IS:5182 (Part-10)
7	Ammonia (NH ₃)	µg/m ³	26	400	Method:401 AWMA 3 rd Edition
8	Benzene (C ₆ H ₆)	µg/m ³	BDL	05	IS:5182 (Part-11) (Reaff2017)
9	Benzo (a) Pyrene	ng/m ³	BDL	01	IS:5182 (Part-12)
10	Arsenic (As)	ng/m ³	BDL	06	BARC/TP/C-038
11	Nickel (Ni)	ng/m ³	BDL	20	BARC/TP/C-039
12	Ozone(O ₃)	µg/m ³	3.0	100	IS:5182 (Part-9)

NOTE: -

 BDL: Below Detection Limit

TEST REPORT

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|------------------------------------|---|
| 1) Name of the Location | : Near security main gate |
| 2) Name of the project | : M/s. Bank Note Paper Mill India Pvt. Ltd.
Note Mudran Nagar,
Mysore- 570003. |
| 3) Date of collection | : 23/07/2018 |
| 4) Particulars of sample collected | : Ambient Air Quality Monitoring |
| 5) Date of sample Receipt | : 23/07/2018 |
| 6) Sample number | : END/2018/07/0668 |
| 7) Date of Analysis | : 24/07/2018 |
| 8) Date of completion | : 27/07/2018 |
| 9) Report No. | : END/2018/07/0668 |
| 10) Date of Report | : 27/07/2018 |

INSTRUMENT USED

Instrument used	PM _{2.5}	PM ₁₀
		FDS
Make	ENVIROTECH	EIPL
Model	APM-550-MINI	APM 460 BL
Instrument ID	BARC/INST/096	BARC/INST/087
Instrument Calibrated Date	08/12/2017	08/12/2017
Instrument calibration due Date	07/12/2018	07/12/2018

Ambient Air Quality Monitoring Results

Sl No	PARAMETERS	UNITS	RESULTS	LIMITS, (NAAQS)	Test Method
1	Particulate matter (PM ₁₀)	µg/m ³	79.6	100	IS 5182 (Part-23) 2006 (Reaff2017)
2	Particulate matter (PM _{2.5})	µg/m ³	27.2	60	CFR 40 (Part-50) Appendix L-2006
3	Oxides of Nitrogen as NO ₂ ,	µg/m ³	17.7	80	IS 5182 (Part-6) 2006 (Reaff2017)
4	Oxides of Sulphur as SO ₂	µg/m ³	5.9	80	IS 5182 (Part-2) 2001(Reaff2017)
5	Lead as Pb,	µg/m ³	BDL	1.0	IS:5182 (Part-22):2004 Reaff:2014
6	Carbon Monoxide as (CO)	mg/m ³	NIL	04	IS:5182 (Part-10)
7	Ammonia (NH ₃)	µg/m ³	28	400	Method:401 AWMA 3 rd Edition
8	Benzene (C ₆ H ₆)	µg/m ³	BDL	05	IS:5182 (Part-11) (Reaff2017)
9	Benzo (a) Pyrene	ng/m ³	BDL	01	IS:5182 (Part-12)
10	Arsenic (As)	ng/m ³	BDL	06	BARC/TP/C-038
11	Nickel (Ni)	ng/m ³	BDL	20	BARC/TP/C-039
12	Ozone(O ₃)	µg/m ³	4.0	100	IS:5182 (Part-9)

NOTE: -

BDL: Below Detection Limit

TEST REPORT

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|------------------------------------|---|
| 1) Name of the Location | : Cotton pre cleaning section |
| 2) Name of the project | : M/s. Bank Note Paper Mill India Pvt. Ltd.
Note Mudran Nagar,
Mysore- 570003. |
| 3) Date of collection | : 23/07/2018 |
| 4) Particulars of sample collected | : Indoor Air Quality Monitoring |
| 5) Date of sample Receipt | : 23/07/2018 |
| 6) Sample number | : END/2018/07/0665 |
| 7) Date of Analysis | : 24/07/2018 |
| 8) Date of completion | : 27/07/2018 |
| 9) Report No. | : END/2018/07/0665 |
| 10) Date of Report | : 27/07/2018 |

Indoor Air Quality Monitoring Results

SL NO	TESTS	RESULTS	LIMITS	STANDARD
01	Particulate matter, (mg/ m ³)	<0.05	5.0	OSHA
