

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 | : 15/06/2018 |
| 3) Particulars of sample collected | : 1500 KVA DG SET |
| 4) Date of sample Receipt | : 15/06/2018 |
| 5) Sample number | : END/2018/06/0359 |
| 6) Date of Analysis | : 16/06/2018 |
| 7) Date of Completion | : 20/06/2018 |
| 8) Report No. | : END/2018/06/0359 |
| 9) Date of report | : 20/06/2018 |

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	15/06/2018
Fuel used	Diesel
Ambient Temperature(°C)	30
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	123	N.S	IS:11255 (Part-3): 2008
2	Exit Velocity of gas	(Mts/Sec)	7.5	N.S	IS:11255 (Part-3): 2008
3	Particulate matter	mg/Nm ³	48.6	75	IS:11255 (Part-1):1985 (Reaff:2014)
4	Oxides of Sulphur (SO ₂)	mg/Nm ³	11.3	N.S	IS:11255 (Part-2):1985 (Reaff:2014)
5	Oxides of Nitrogen (NO ₂)	mg/Nm ³	68.2	710	BY FGA
6	Carbon Monoxide(CO)	mg/Nm ³	134.7	150	BY FGA
7	Non Methane Hydro Carbon	ppm	NIL	100	BY FGA

NOTE:-

- NS- Not specified

Tested by

Manoja
Authorised Signatory

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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 | : 15/06/2018 |
| 3) Particulars of sample collected | : 10 TPH oil fired Boiler "A" |
| 4) Date of sample Receipt | : 15/06/2018 |
| 5) Sample number | : END/2018/06/0362 |
| 6) Date of Analysis | : 16/06/2018 |
| 7) Date of Completion | : 20/06/2018 |
| 8) Report No. | : END/2018/06/0362 |
| 9) Date of report | : 20/06/2018 |

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	15/06/2018
Fuel used	Furnace oil
Ambient Temperature(°C)	30
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	154	N.S	IS:11255 (Part-3): 2008
2	Exit Velocity of gas	(Mts/Sec)	8.3	N.S	IS:11255 (Part-3): 2008
3	Particulate matter	mg/Nm ³	38.6	75	IS:11255 (Part-1):1985 (Reaff:2014)
6	Oxides of Sulphur (SO ₂)	mg/Nm ³	11.9	N.S	IS:11255 (Part-2):1985 (Reaff:2014)
7	Oxides of Nitrogen (NO ₂)	mg/Nm ³	66.2	710	BY FGA
8	Carbon Monoxide(CO)	mg/Nm ³	139.3	150	BY FGA
9	Non Methane Hydro Carbon	ppm	NIL	100	BY FGA

NOTE:-

- NS- Not specified



Tested by

 Manasa
 Authorised Signatory

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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 : 15/06/2018
- 3) Particulars of sample collected : **10 TPH oil fired Boiler "B&C"**
- 4) Date of sample Receipt : 15/06/2018
- 5) Sample number : END/2018/06/0361
- 6) Date of Analysis : 16/06/2018
- 7) Date of Completion : 20/06/2018
- 8) Report No. : END/2018/06/0361
- 9) Date of report : 20/06/2018

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	15/06/2018
Fuel used	Furnace oil
Ambient Temperature(°C)	30
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	161	N.S	IS:11255 (Part-3): 2008
2	Exit Velocity of gas	(Mts/Sec)	8.6	N.S	IS:11255 (Part-3): 2008
3	Particulate matter	mg/Nm ³	30.2	75	IS:11255 (Part-1):1985 (Reaff:2014)
6	Oxides of Sulphur (SO ₂)	mg/Nm ³	25.4	N.S	IS:11255 (Part-2):1985 (Reaff:2014)
7	Oxides of Nitrogen (NO ₂)	mg/Nm ³	69.9	710	BY FGA
8	Carbon Monoxide(CO)	mg/Nm ³	139.7	150	BY FGA
9	Non Methane Hydro Carbon	ppm	NIL	100	BY FGA

NOTE:-

- NS- Not specified


 Tested by


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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 | : 15/06/2018 |
| 3) Particulars of sample collected | : Diesel pump |
| 4) Date of sample Receipt | : 15/06/2018 |
| 5) Sample number | : END/2018/06/0360 |
| 6) Date of Analysis | : 16/06/2018 |
| 7) Date of Completion | : 20/06/2018 |
| 8) Report No. | : END/2018/06/0360 |
| 9) Date of report | : 20/06/2018 |

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	15/06/2018
Fuel used	Diesel
Ambient Temperature(°C)	30
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	106	N.S	IS:11255 (Part-3): 2008
2	Exit Velocity of gas	(Mts/Sec)	7.1	N.S	IS:11255 (Part-3): 2008
3	Particulate matter	mg/Nm ³	26.8	75	IS:11255 (Part-1):1985 (Reaff :2014)
4	Oxides of Sulphur (SO ₂)	mg/Nm ³	6.9	N.S	IS:11255 (Part-2):1985 (Reaff:2014)
5	Oxides of Nitrogen (NO ₂)	mg/Nm ³	53.3	710	BY FGA
6	Carbon Monoxide(CO)	mg/Nm ³	135.1	150	BY FGA
7	Non Methane Hydro Carbon	ppm	NIL	100	BY FGA

NOTE:-

- NS- Not specified

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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 | : 15/06/2018 |
| 4) Particulars of sample collected | : Ambient Air Quality Monitoring |
| 5) Date of sample Receipt | : 15/06/2018 |
| 6) Sample number | : END/2018/06/0357 |
| 7) Date of Analysis | : 16/06/2018 |
| 8) Date of Completion | : 20/06/2018 |
| 9) Report No. | : END/2018/06/0357 |
| 10) Date of report | : 20/06/2018 |

INSTRUMENT USED

Instrument used	PM _{2.5}	PM ₁₀
		FDS
Make	ECOTECH	ECOTECH
Model	AAS-127 MINI	AAS-217-BL
SI no	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

SI No	PARAMETERS	UNITS	RESULTS	LIMITS, (NAAQS)	Test Method
1	Particulate matter (PM ₁₀)	µg/m ³	69.9	100	IS 5182 (Part-23) 2006 (Reaff2017)
2	Particulate matter (PM _{2.5})	µg/m ³	22.3	60	CFR 40 (Part-50) Appendix L-2006
3	Oxides of Nitrogen as NO ₂ ,	µg/m ³	17.2	80	IS 5182 (Part-6) 2006 (Reaff2017)
4	Oxides of Sulphur as SO ₂	µg/m ³	5.3	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	27	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

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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 | : 15/06/2018 |
| 4) Particulars of sample collected | : Ambient Air Quality Monitoring |
| 5) Date of sample Receipt | : 15/06/2018 |
| 6) Sample number | : END/2018/06/0358 |
| 7) Date of Analysis | : 16/06/2018 |
| 8) Date of Completion | : 20/06/2018 |
| 9) Report No. | : END/2018/06/0358 |
| 10) Date of report | : 20/06/2018 |

INSTRUMENT USED

Instrument used	PM _{2.5}	PM ₁₀
		FDS
Make	ECOTECH	Instrumex
Model	AAS-127 MINI	IPM 115 (BL)
Sl no	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

SI No	PARAMETERS	UNITS	RESULTS	LIMITS, (NAAQS)	Test Method
1	Particulate matter (PM ₁₀)	µg/m ³	62.1	100	IS 5182 (Part-23) 2006 (Reaff2017)
2	Particulate matter (PM _{2.5})	µg/m ³	16.3	60	CFR 40 (Part-50) Appendix L-2006
3	Oxides of Nitrogen as NO ₂ ,	µg/m ³	16.6	80	IS 5182 (Part-6) 2006 (Reaff2017)
4	Oxides of Sulphur as SO ₂	µg/m ³	4.7	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	2.0	100	IS:5182 (Part-9)

NOTE:-

⚡ BDL: Below Detection Limit


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TEST REPORT

- | | |
|------------------------------------|---|
| 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 | : 15/06/2018 |
| 4) Particulars of sample collected | : Ambient Air Quality Monitoring |
| 5) Date of sample Receipt | : 15/06/2018 |
| 6) Sample number | : END/2018/06/0356 |
| 7) Date of Analysis | : 16/06/2018 |
| 8) Date of Completion | : 20/06/2018 |
| 9) Report No. | : END/2018/06/0356 |
| 10) Date of report | : 20/06/2018 |

INSTRUMENT USED

Instrument used	PM _{2.5}	PM ₁₀
		FDS
Make	ENVIROTECH	EIPL
Model	APM-550-MINI	APM 460 BL
Sl no	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

SI No	PARAMETERS	UNITS	RESULTS	LIMITS, (NAAQS)	Test Method
1	Particulate matter (PM ₁₀)	µg/m ³	75.6	100	IS 5182 (Part-23) 2006 (Reaff2017)
2	Particulate matter (PM _{2.5})	µg/m ³	23.4	60	CFR 40 (Part-50) Appendix L-2006
3	Oxides of Nitrogen as NO ₂ ,	µg/m ³	16.9	80	IS 5182 (Part-6) 2006 (Reaff2017)
4	Oxides of Sulphur as SO ₂	µg/m ³	5.0	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	24	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	2.0	100	IS:5182 (Part-9)

NOTE: -

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TEST REPORT

- 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 : 15/06/2018
- 4) Particulars of sample collected : **Indoor Air Quality Monitoring**
- 5) Date of sample Receipt : 15/06/2018
- 6) Sample number : END/2018/06/0363
- 7) Date of Analysis : 16/06/2018
- 8) Date of Completion : 20/06/2018
- 9) Report No. : END/2018/06/0363
- 10) Date of report : 20/06/2018

Indoor Air Quality Monitoring Results

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

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