

Test Report

ANALYSIS REPORT FOR STACK SOURCE EMISSION

1. Stack ID : Boiler 195 TPH
2. Name of the Industry : M/s. Indian Cane Power Ltd.
Village Uttur, Taluk: Mudhol, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit II, Belagavi - 590015
4. Date of Collection : 09.12.2017
5. Particulars of Sample Collected : Emissions from stack collected through Stack Sampler VSS1
6. Date of Sample Receipt : 13.12.2017
7. Sample Number : EHSRDCU2/ICPL/S/17/12/1344
8. Report to be Sent : 18.12.2017
9. Page No : 5 of 8

GENERAL DETAILS

Date of Monitoring	09.12.2017
Ambient Temperature (°C)	28
Stack Temperature (°C)	154
Velocity (m/s)	8.21
Diameter (m)	3.8
Cross Sectional Area in meter square (m ²)	11.335
Quantity of flue gas discharged into atmosphere (Nm ³ /h)	236302.32
Dust Emission Rate	3.745

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS: 11255, (P1)	mg/Nm ³	15.85	150

INFERENCE	As per KSPCB Standards, Report Status: - The measured value for Particulate Matter is within the standard.
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End of Report



Beegula
 Authorized Signatory

Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka
 ಕಛೇರಿ ವಿಳಾಸ : ನಂ. ೪೫೭, ಕನಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೫, ಕರ್ನಾಟಕ
 ಆಫೀಸು : ನಂ. ೪೫೭, ಕನಬರಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಎರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೫, ಕರ್ನಾಟಕ

See NOTE overleaf

Test Report

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name of the Station : Near Weigh Bridge
2. Name of the Project : M/s. Indian Cane Power Ltd.
Village Uttur, Taluk: Mudhol, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit II, Belagavi - 590015.
4. Date of Collection : 20.12.2017
5. Particulars of Sample Collected : Ambient Air collected through
Fine Particulate Sampler - APM 550
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 23.12.2017
7. Sample Number : EHSRDCU2/ICPL/A/17/12/1468
8. Report to be Sent : 28.12.2017
9. Page No : 4 of 8

Sl.No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 9.30am-5.30am	24	--
2.	Particulate Matter (PM ₁₀)	µg/ m ³	97	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM _{2.5})	µg/ m ³	23	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO ₂)	µg/ m ³	1.35	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO ₂)	µg/ m ³	3.54	80	IS: 5182 (P6)-2006

INFERENCE As per NAAQ Standards,
Report Status: - The measured values for the above parameters are within the standards.

***End of Report**



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Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka

ಕಛೇರಿ ವಿಳಾಸ: ನಂ. 457, ಕನಬರ್ಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015, ಕರ್ನಾಟಕ

ಆಫೀಸು : ನಂ. 457, ಕನಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015, ಕರ್ನಾಟಕ

See NOTE overleaf

Test Report

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name of the Station : Near Boiler Area
2. Name of the Project : M/s. Indian Cane Power Ltd.
Village Uttur, Taluk: Mudhol, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit II, Belagavi - 590015.
4. Date of Collection : 20.12.2017
5. Particulars of Sample Collected : Ambient Air collected through
Fine Particulate Sampler - APM 550
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 23.12.2017
7. Sample Number : EHSRDCU2/ICPL/A/17/12/1465
8. Report to be Sent : 28.12.2017
9. Page No : 1 of 8

Sl.No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 9.00am-5.00am	24	--
2.	Particulate Matter (PM ₁₀)	µg/m ³	92	100	IS: 5182 (P23)-2006
3.	Particulate Matter (PM _{2.5})	µg/m ³	20	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO ₂)	µg/m ³	1.64	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO ₂)	µg/m ³	3.89	80	IS: 5182 (P6)-2006

INFERENCE As per NAAQ Standards,
 Report Status: - The measured values for the above parameters are within the standards.

***End of Report**



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Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka
 ಕಛೇರಿ ವಿಳಾಸ : ನಂ. 457, ಕಾಂಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015, ಕರ್ನಾಟಕ
 ಆಫೀಸ : ನಂ. 457, ಕನಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015, ಕರ್ನಾಟಕ

See NOTE overleaf



Test Report

ANALYSIS REPORT OF AMBIENT AIR QUALITY

- 1. Name of the Station : Near Guest House
- 2. Name of the Project : M/s. Indian Cane Power Ltd. Village Uttur, Taluk: Mudhol, District: Bagalkote.
- 3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit II, Belagavi - 590015.
- 4. Date of Collection : 20.12.2017
- 5. Particulates of Sample Collected : Ambient Air collected through Fine Particulate Sampler - APM 550 Respirable Dust Sampler - 450N1.
- 6. Date of Sample Receipt : 23.12.2017
- 7. Sample Number : EHSRD/12/ICPL/A/17/12/1466
- 8. Report to be Sent : 28.12.2017
- 9. Page No : 2 of 8

Sl.No	Parameters	Unit	Results	NAAQ Standards 2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 9:30am-5:30pm	24	-
2.	Particulate Matter (PM ₁₀)	µg/m ³	93	100	IS: 3032 (P2)-2006
3.	Particulate Matter (PM _{2.5})	µg/m ³	37	60	USEPA 40 CFR (95)
4.	Sulphur Dioxide (SO ₂)	µg/m ³	3.12	60	IS: 3032 (P2)-2006
5.	Nitrogen Dioxide (NO ₂)	µg/m ³	4.05	60	IS: 3032 (P2)-2006

INFERENCE As per NAAQ Standards, Report Status - The measured values for the above parameters are within the standards.

End of Report



[Signature]
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Concern towards protecting Environment

Office Address : No. 457, Kanberg Industrial Area, Autonagar, Bagalpur - 590 015, Karnataka
 ಕಛೇರಿ ವಿಳಾಸ : ನಂ. 457, ಕಾನ್ಬರ್ಗ್ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಆಟೋನಗರ, ಬೆಂಗಳೂರು - 590 015, ಕರ್ನಾಟಕ
 आधीस : नं. 457, कानबर्गी इंडस्ट्रियल एरिया, आटोनागर, बैंगलूर - 590 015, कर्नाटक

Test Report

ANALYSIS REPORT OF EFFLUENT WATER QUALITY

1. Name of the Location : ETP Inlet (IP)
2. Name of the Project : M/s. Indian Cane Power Ltd.
Village Uttur, Taluk: Mudhol, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit-II, Belgaum- 590015.
4. Date of Collection : 20.12.2017
5. Particulars of Sample Collected : ETP Un-Treated water, Grab Sampling
6. Date of Sample Receipt : 23.12.2017
7. Sample Number : EHSRDCU2/ICPL/WW/17/12/1469
8. Analysis started on : 23.12.2017
9. Analysis Completed on : 29.12.2017
10. Report to be Sent : 29.12.2017
11. Page No. : 6 of 8
12. Protocol : APHA,23rd Edition, IS Method

Sl.No	Parameters	Test Method	Unit	Result
1.	pH	4500H* B	--	6.7
2.	Colour	IS 3025(Part 4):1983	Hazen	<1.0
3.	Odour	IS 3025(Part 5):1983	-	Objectionable
4.	Oil & Grease	5520 B	mg/L	BDL
5.	BOD	5210 B	mg/L	400
6.	C.O.D	5220 B	mg/L	1200
7.	Total Suspended Solids	2540 D	mg/L	120

BOD: Biological Oxygen Demand, COD: Chemical Oxygen Demand, BDL: Below Detectable Limit, IP: Industry Premises

End of Report



[Signature]
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Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka
 ಕಛೇರಿ ವಿಳಾಸ : ನಂ. 457, ಕಾಂಬರ್ಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 005, ಕರ್ನಾಟಕ
 आफिस : नो. 457, कानबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेलगावी - 590 015, कर्नाटक

See NOTE overleaf

Test Report

ANALYSIS REPORT OF EFFLUENT WATER QUALITY

1. Name of the Location : ETP Outlet(IP)
2. Name of the Project : M/s. Indian Cane Power Ltd.
Village Uttar, Taluk Mudhol, District Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit-II, Belgaum- 590025
4. Date of Collection : 28.12.2017
5. Particulars of Sample Collected : ETP Treated Water, Grab Sampling
6. Date of Sample Receipt : 29.12.2017
7. Sample Number : EHSRD/12/AC/31/999/17/12/5470
8. Analysis started on : 29.12.2017
9. Analysis Completed on : 29.12.2017
10. Report to be Sent : 29.12.2017
11. Page No. : 7 of 8
12. Protocol : APHA, 23rd Edition, 35 Methods

Sl.No	Parameters	Test Method	Unit	Result	KSPCB Limits
1.	pH	4500F B	--	7.8	6.0-8.5
2.	Colour	15 3025/An 413965	Hazen	<LD	All Effluents should be made to remove the Colour & Odour
3.	Odour	15 3025/An 413965	-	Un-Objectionable	
4.	Oil & Grease	5229 B	mg/L	NDL	10
5.	BOD	5210 B	mg/L	20	100
6.	C.O.D	5230 B	mg/L	50	250
7.	Total Suspended Solids	2540 D	mg/L	40	100

BOD: Biological Oxygen Demand; COD: Chemical Oxygen Demand; NDL: Below Detectable Limit; IP: Industrial Premises

INFERENCE As per KSPCB Standards, Report Status - The measured values for the above parameters for these standards have been specified were observed to be within the said standards.



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Concern towards protecting Environment

Office Address : No. 457, Karbargi Industrial Area, Autonagar, Belgaum - 590 015, Karnataka
 ಕಾರ್ಬರ್ಗಿ ವಿಸ್ತಾರ : ನಂ. 457, ಕಾರ್ಬರ್ಗಿ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಆಟೋನಗರ, ಬೆಂಗಳೂರು - 590 015, ಕರ್ನಾಟಕ
 आधीस : नं. 457, कार्बर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगाँव - 590 015, कर्नाटक

Test Report

ANALYSIS REPORT OF FRESH WATER QUALITY

1. Name of the Location : Industrial Premises
2. Name of the Project : M/s. Indian Cane Power Ltd.
Village Uttur, Taluk: Mudhol, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit-II, Belagavi- 590015
4. Date of Collection : 20.12.2017
5. Particulars of Sample Collected : Bore Well Water, Grab Sampling
6. Date of Sample Receipt : 23.12.2017
7. Sample Number : EHSRDCU2/ICPL/W/17/12/1471
8. Analysis started on : 23.12.2017
9. Analysis Completed on : 29.12.2017
10. Report to be Sent : 29.12.2017
11. Page No. : 8 of 9
12. Protocol : APHA, 23rd Edition, IS Method

Sl.No	Parameters	Protocol	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					DL	PL
1	pH	4500H* B	-	7.21	6.5-8.5	
2	Colour	IS 3025(Part 4):1983	Hazen	<1.0	5	15
3	Odour	IS 3025(Part 5):1983	-	Un-Objectionable	Un-Objectionable	
4	Electrical Conductivity	2510 B	µS/cm	2046	-	
5	Turbidity	2130 B	NTU	0.75	1	5
6	Total Dissolved Solids	2540 C	mg/L	1330	500	2000
7	Total Hardness	2340 C	mg/L	460	200	600
8	Calcium	3500-Ca	mg/L	160	75	200
9	Magnesium	3500 Mg B	mg/L	72.9	30	100
10	Chloride as Cl	4500-Cl B	mg/L	289.9	250	1000
11	Sulphate as SO ₄	4500-SO ₄ ²⁻	mg/L	164.31	200	400
12	Fluoride as F	4500F D	mg/L	0.67	1	1.5
13	Iron as Fe	3500-Fe B	mg/L	BDL	0.3	
14	Nitrate as NO ₃	4500-NO ₃ E	mg/L	7.43	45	

INFERENCE

As per IS 10500:2012(Second Revision),
Report Status: -The measured values for the above parameters for those standards have been specified were observed to be **POOR** the said standards.



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Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka
ಕಛೇರಿ ವಿಳಾಸ : ನಂ. 457, ಕಾಂಬರ್ಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 005, ಕರ್ನಾಟಕ
आफिस : नो. 457, कानबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - 590 015, कर्नाटक

See NOTE overleaf

INDIAN CANE POWER LIMITED, UTTUR.

SOUND LEVEL MONITORING REPORT


Specifications of Sound Level Meter :

Date of Monitoring : 10/12/2017

Make : KUSAM-MECO
 Model : KM - 927
 Accuracy : 1.5 dB
 Level Range : Lo 30 - 80 dB
 Med 50 - 100 dB
 Hi 80 - 130 dB
 Microphone: Electret Condenser Microphone

Sl. No.	Sound Level Monitoring Locations	Code no. for Locations	Results in dB	Remarks
1	Factory Main Gate	⊕ 1	66.2	
2	Sugar Unit	⊕ 2	68.0	
3	Co-gen Unit	⊕ 3	69.0	
4	Co-Gen Office	⊕ 4	62.4	
5	D.G. Set	⊕ 5	69.2	


Checked by


Asst. General Manager (W&E)


Dy. General Manager (C&S)



INDIAN CANE POWER LIMITED, UTTUR.

SOUND LEVEL MONITORING REPORT

Specifications of Sound Level Meter :


Date of Monitoring : 10/12/2017

Make : KUSAM-MECO
 Model : KM - 927
 Accuracy : 1.5 dB
 Level Range : Lo 30 - 80 dB
 Med 50 - 100 dB
 Hi 80 - 130 dB
 Microphone: Electret Condenser Microphone

Residential area

Sl. No.	Sound Level Monitoring Locations	Code no. for Locations	Results in dB	Remarks
1	Officer quarters	⊕ 1	54.6	
2	Worker quates	⊕ 2	56.7	


Checked by


Asst. General Manager (W&E)


Dy. General Manager (C&S)



INDIAN CANE POWER LIMITED, UTTUR.

SOUND LEVEL MONITORING REPORT

Specifications of Sound Level Meter :

Make : KUSAM-MECO
 Model : KM - 927
 Accuracy : 1.5 dB
 Level Range : Lo 30 - 80 dB
 Med 50 - 100 dB
 Hi 80 - 130 dB
 Microphone: Electret Condenser Microphone

Date of Monitoring : 25/12/2017

Sl. No.	Sound Level Monitoring Locations	Code no. for Locations	Results in dB	Remarks
1	Factory Main Gate	⊕ 1	64.8	
2	Sugar Unit	⊕ 2	68.6	
3	Co-gen Unit	⊕ 3	69.2	
4	Co-Gen Office	⊕ 4	52.4	
5	D.G. Set	⊕ 5	68.4	

Checked by

H. V.
 Asst. General Manager (W&E)

[Signature]

Dy. General Manager (C&S)



INDIAN CANE POWER LIMITED, UTTUR.

SOUND LEVEL MONITORING REPORT

Specifications of Sound Level Meter :


Make : KUSAM-MECO
Model : KM - 927
Accuracy : 1.5 dB
Level Range : Lo 30 - 80 dB
 Med 50 - 100 dB
 Hi 80 - 130 dB
Microphone: Electret Condenser Microphone

Date of Monitoring : 25/12/2017

Residential area

Sl. No.	Sound Level Monitoring Locations	Code no. for Locations	Results in dB	Remarks
1	Officer quarters	⊕ 1	51.7	
2	Worker quatres	⊕ 2	50.8	


Checked by


Asst. General Manager (W&E)


Dy. General Manager (C&S)



Test Report

ANALYSIS REPORT OF AMBIENT AIR QUALITY

- 1. Name of the Station : Near Main Gate
- 2. Name of the Project : M/s. Indian Cane Power Ltd.
Village Uttur, Taluk: Mudhol, District: Bagalkote.
- 3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit II, Belagavi - 590015.
- 4. Date of Collection : 09.12.2017
- 5. Particulars of Sample Collected : Ambient Air collected through
Fine Particulate Sampler - APM 550
Respirable Dust Sampler - 460NL
- 6. Date of Sample Receipt : 13.12.2017
- 7. Sample Number : EHSRDCU2/ICPL/A/17/12/1340
- 8. Report to be Sent : 14.12.2017
- 9. Page No : 1 of 8

Sl.No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 7:00am-3:00am	24	--
2.	Particulate Matter (PM ₁₀)	µg/m ³	83	100	IS: 5182 (P23)-2006
3.	Particulate Matter (PM _{2.5})	µg/m ³	13	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO ₂)	µg/m ³	1.64	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO ₂)	µg/m ³	3.89	80	IS: 5182 (P6)-2006

INFERENCE As per NAAQ Standards,
Report Status: - The measured values for the above parameters are within the standards.

***End of Report**



Blasugate
Authorized Signatory

Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka
 ಕಛೇರಿ ವಿಳಾಸ : ನಂ. 457, ಕನಬರ್ಗಿ ಕೈಗಾರಿಕಾ ವಲಯ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015, ಕರ್ನಾಟಕ
 ಆಫೀಸ : ನಂ. 457, ಕನಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಎರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015, ಕರ್ನಾಟಕ

See NOTE overleaf

Test Report

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name of the Station : Near Weigh Bridge
2. Name of the Project : M/s. Indian Cane Power Ltd.
Village Uttur, Taluk: Mudhol, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit II, Belagavi - 590015.
4. Date of Collection : 09.12.2017
5. Particulars of Sample Collected : Ambient Air collected through
Fine Particulate Sampler - APM 550
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 13.12.2017
7. Sample Number : EHSRDCU2/ICPL/A/17/12/1341
8. Report to be Sent : 14.12.2017
9. Page No : 2 of 8

Sl.No	Parameters	Unit	Results	NAAQ Standards,2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 7.10am-3.10am	24	--
2.	Particulate Matter (PM ₁₀)	µg/m ³	88	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM _{2.5})	µg/m ³	20	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO ₂)	µg/m ³	1.12	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO ₂)	µg/m ³	3.13	80	IS: 5182 (P6)-2006

INFERENCE As per NAAQ Standards,
 Report Status: - The measured values for the above parameters are within the standards.

***End of Report**



Blouyale
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Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka
 ಕಛೇರಿ ವಿಳಾಸ : ನಂ. ೪೫೭, ಕನಬರ್ಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೫, ಕರ್ನಾಟಕ
 ಆಫೀಸ : ನಂ. ೪೫೭, ಕನಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೫, ಕರ್ನಾಟಕ

See NOTE overleaf

Test Report

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name of the Station : Near Guest House
2. Name of the Project : M/s. Indian Cane Power Ltd.
Village Uttur, Taluk: Mudhol, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research &
Development Centre Unit II, Belagavi - 590015.
4. Date of Collection : 09.12.2017
5. Particulars of Sample Collected : Ambient Air collected through
Fine Particulate Sampler - APM 550
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 13.12.2017
7. Sample Number : EHSRDCU2/ICPL/A/17/12/1343
8. Report to be Sent : 18.12.2017
9. Page No : 4 of 8

Sl. No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 7.30am-3.30am	24	--
2.	Particulate Matter (PM ₁₀)	µg/m ³	50	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM _{2.5})	µg/m ³	20	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO ₂)	µg/m ³	1.35	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO ₂)	µg/m ³	3.54	80	IS: 5182 (P6)-2006

INFERENCE	As per NAAQ Standards, Report Status: - The measured values for the above parameters are within the standards.
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***End of Report**



Bhagyashree
 Authorized Signatory

Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka

ಕಛೇರಿ ವಿಳಾಸ : ನಂ. 457, ಕನಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015, ಕರ್ನಾಟಕ

ಆಫೀಸು : ನಂ. 457, ಕನಬರಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015, ಕರ್ನಾಟಕ

See NOTE overleaf



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ENVIRONMENTAL HEALTH AND SAFETY RESEARCH AND DEVELOPMENT CENTRE

(Recognised under section 12 of the Environment Protection Act, 1986, New Delhi, Validity 02.06.2015 to 01.06.2020)

ವಿಶ್ವವಿದ್ಯಾಲಯ ಹಾಗೂ ಅಧಿಕಾರಿಗಳಿಂದ ಅಂಗೀಕರಿಸಲ್ಪಟ್ಟಿದೆ

(ಅಧಿಕಾರಿಗಳಿಂದ ಅಂಗೀಕರಿಸಲ್ಪಟ್ಟಿದೆ, 1986 ರ ಅಧಿನಿಯಮ 12 ರ ಅಡಿಯಲ್ಲಿ ಅಂಗೀಕರಿಸಲ್ಪಟ್ಟಿದೆ) ಹಾಗೂ, ಅಧಿಕಾರಿಗಳಿಂದ, 02.06.2015 ರಿಂದ 01.06.2020

एनवायरनमेंटल हेल्थ एंड सेफटी रिसर्च एंड डेवेलपमेंट सेंटर

(अधिकारि (परिचय) अधिनियम, 1986 अनुसार 12 की धारा मानक प्रयोज्यता) न्यू दिल्ली, भारत, वैधता, 02.06.2015 - 01.06.2020

Test Report

ANALYSIS REPORT OF EFFLUENT WATER QUALITY

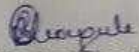
- Name of the Location : ETP Inlet (IP)
- Name of the Project : M/s. Indian Cane Power Ltd.
Village Uttur, Taluk: Mudhol, District: Bagalkote.
- Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit-II, Belgaum- 590015.
- Date of Collection : 09.12.2017
- Particulars of Sample Collected : ETP Un-Treated water, Grab Sampling
- Date of Sample Receipt : 13.12.2017
- Sample Number : EHSRDCU2/ICPI/WW/17/12/1345
- Analysis started on : 13.12.2017
- Analysis Completed on : 18.12.2017
- Report to be Sent : 18.12.2017
- Page No. : 6 of 8
- Protocol : APHA, 23rd Edition, IS Method

Sl.No	Parameters	Test Method	Unit	Result
1.	pH	4500H* B	--	6.24
2.	Colour	IS 3025(Part 4):1983	Hazen	<1.0
3.	Odour	IS 3025(Part 5):1983	-	Objectionable
4.	Oil & Grease	5520 B	mg/L	BDL
5.	BOD	5210 B	mg/L	620
6.	C.O.D	5220 B	mg/L	1794
7.	Total Suspended Solids	2540 D	mg/L	290

Legend: BOD: Biological Oxygen Demand, COD: Chemical Oxygen Demand, BDL: Below Detectable Limit, IP: Industry Premises

End of Report




Authorized Signatory

Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka

ಕಛೇರಿ ವಿಳಾಸ : ನಂ. 457, ಕನಬರ್ಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 003, ಕರ್ನಾಟಕ

आफिस : नो. 457, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - 590 015, कर्नाटक

See NOTE overleaf

Test Report

ANALYSIS REPORT OF EFFLUENT WATER QUALITY

1. Name of the Location : ETP Outlet(IP)
2. Name of the Project : M/s. Indian Cane Power Ltd.
Village Uttur, Taluk: Mudhol, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit-II, Belgaum- 590015
4. Date of Collection : 09.12.2017
5. Particulars of Sample Collected : ETP Treated Water, Grab Sampling
6. Date of Sample Receipt : 13.12.2017
7. Sample Number : EHSRDCU2/ICPL/WW/17/12/1346
8. Analysis started on : 13.12.2017
9. Analysis Completed on : 18.12.2017
10. Report to be Sent : 18.12.2017
11. Page No. : 7 of 8
12. Protocol : APHA,23rd Edition, IS Methods

Sl.No	Parameters	Test Method	Unit	Result	KSPCB Limits
1.	pH	4500H+ B	--	7.76	6.0-8.5
2.	Colour	IS 3025(Part 4):1983	Hazen	<1.0	All Efforts should be made to remove the Colour & Odour
3.	Odour	IS 3025(Part 5):1983	-	Un-Objectionable	
4.	Oil & Grease	5520 B	mg/L	BDL	10
5.	BOD	5210 B	mg/L	20	100
6.	C.O.D	5220 B	mg/L	52	250
7.	Total Suspended Solids	2540 D	mg/L	44	100

BOD: Biological Oxygen Demand, COD: Chemical Oxygen Demand BDL: Below Detectable Limit., IP: Industrial Premises

INFERENCE As per KSPCB Standards, Report Status: - The measured values for the above parameters for those standards have been specified were observed to be within the said standards.

End of Report



Belagavi
 Authorized Signatory

Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka
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See NOTE overleaf

Test Report

ANALYSIS REPORT OF FRESH WATER QUALITY

1. Name of the Location : Industrial Premises
2. Name of the Project : M/s. Indian Cane Power Ltd.
Village Uttur, Taluk: Mudhol, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit-II, Belagavi- 590015
4. Date of Collection : 09.12.2017
5. Particulars of Sample Collected : Bore Well Water, Grab Sampling
6. Date of Sample Receipt : 13.12.2017
7. Sample Number : EHSRDCU2/ICPI/W/17/12/1347
8. Analysis started on : 13.12.2017
9. Analysis Completed on : 18.12.2017
10. Report to be Sent : 18.12.2017
11. Page No. : 8 of 8
12. Protocol : APHA, 23rd Edition, IS Method

Sl.No	Parameters	Protocol	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					DL	PL
1	pH	4500H ⁺ B	-	7.31	6.5-8.5	
2	Colour	IS 3025(Part 4):1983	Hazen	<1.0	5	15
3	Odour	IS 3025(Part 5):1983	-	Un-Objectionable	Un-Objectionable	
4	Electrical Conductivity	2510 B	µS/cm	2570	-	
5	Turbidity	2130 B	NTU	0.88	1	5
6	Total Dissolved Solids	2540 C	mg/L	1567	500	2000
7	Total Hardness	2340 C	mg/L	300	200	600
8	Calcium	3500-Ca	mg/L	97.6	75	200
9	Magnesium	3500 Mg B	mg/L	13.60	30	100
10	Chloride as Cl	4500-Cl B	mg/L	319.90	250	1000
11	Sulphate as SO ₄	4500-SO ₄ ²⁻	mg/L	91.36	200	400
12	Fluoride as F	4500F D	mg/L	0.19	1	1.5
13	Iron as Fe	3500-Fe B	mg/L	BDL	0.3	
14	Nitrate as NO ₃	4500-NO ₃ E	mg/L	5.18	45	

As per IS 10500:2012(Second Revision).
INFERENCE Report Status: -The measured values for the above parameters for those standards have been specified were observed to be within the said standards.



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Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka
 ಕಛಿರೊ ವಿಳಾಸ : ನಂ. 457, ಕನಬರ್ಗಿ ಇಂಡುಸ್ಟ್ರಿಯಲ್ ಆರಿಯಾ, ಆಟೊನಗರ, ಬೆಲಗಾವಿ - 590 015, ಕರ್ನಾಟಕ
 आधील : नं. 457, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - 590 015, कर्नाटक

See NOTE overleaf

Test Report

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name of the Station : Near Main Gate
2. Name of the Project : M/s. Indian Cane Power Ltd.
Village Uttur, Taluk: Mudhol, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit II, Belagavi - 590015.
4. Date of Collection : 20.12.2017
5. Particulars of Sample Collected : Ambient Air collected through
Fine Particulate Sampler - APM 550
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 23.12.2017
7. Sample Number : EHSRDCU2/ICPL/A/17/12/1467
8. Report to be Sent : 28.12.2017
9. Page No : 3 of 8

SLNo	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 9.20am-5.20am	24	--
2.	Particulate Matter (PM ₁₀)	µg/ m ³	90	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM _{2.5})	µg/ m ³	18	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO ₂)	µg/ m ³	1.38	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO ₂)	µg/ m ³	3.42	80	IS: 5182 (P6)-2006

INFERENCE: As per NAAQ Standards,
 Report Status: - The measured values for the above parameters are within the standards.

***End of Report**



(Signature)
 Authorized Signatory

Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka
 ಕಛೇರಿ ವಿಳಾಸ : ನಂ. 457, ಕನಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 005, ಕರ್ನಾಟಕ
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