

**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 : 09.02.2018
5. Particulars of Sample : Emissions from stack collected through  
Collected Stack Sampler VSS1
6. Date of Sample Receipt : 10.02.2018
7. Sample Number : EHSRDCU2/ICPI/S/18/02/2116
8. Report to be Sent : 12.02.2018
9. Page No : 5 of 8

GENERAL DETAILS

Date of Monitoring	09.02.2018
Ambient Temperature (°C)	28
Stack Temperature (°C)	160
Velocity (m/s)	8.30
Diameter (m)	3.800
Cross Sectional Area in meter square (m <sup>2</sup> )	11.335
Quantity of flue gas discharged into atmosphere (Nm <sup>3</sup> /h)	235560.22
Dust Emission Rate	3.723

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS: 11255, (P1)	mg/Nm <sup>3</sup>	15.81	150

<b>INFERENCE</b>	As per KSPCB Standards, Report Status:- The measured value for Particulate Matter is within the standard.
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*Blouyals*  
 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

आफिस : नो. ४५७, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - ५९० ०१५, कर्नाटक

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 : 17.02.2018
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 22.02.2018
7. Sample Number : EHSRDCU2/ICPL/A/18/002/2309
8. Report to be Sent : 24.02.2018
9. Page No : 2 of 7

Sl. No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 8.10am-4.10am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	86	100	IS: 5182 (P23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	20	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.41	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	15.02	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, ಕಾಂಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015, ಕರ್ನಾಟಕ  
ਆಫೀಸ : ನಂ. 457, ಕಾಂಬರಗಿ 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 : 17.02.2018
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 22.02.2018
7. Sample Number : EHSRDCU2/ICPI/A/18/02/2310
8. Report to be Sent : 24.02.2018
9. Page No : 3 of 7

Sl. No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 8.20am-4.20am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	89	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	22	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	4.92	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	10.68	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. ೪೫೭, ಕನಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೫, ಕರ್ನಾಟಕ  
आफिस : नो. ४५७, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - ५९० ०१५, कर्नाटक

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 : 17.02.2018
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 22.02.2018
7. Sample Number : EHSRDCU2/ICPL/A/18/02/2311
8. Report to be Sent : 24.02.2018
9. Page No : 4 of 7

SI. No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 8.30am-4.30am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	92	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	23	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.02	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	11.22	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\*\*



*B. Srinivas*  
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

आफिस : नो. 457, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - ५९० ०१५, 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 : 17.02.2018
5. Particulars of Sample Collected : ETP Treated Water, Grab Sampling
6. Date of Sample Receipt : 22.02.2018
7. Sample Number : EHSRDCU2/ICPL/WW/18/02/2313
8. Analysis started on : 22.02.2018
9. Analysis Completed on : 26.02.2018
10. Report to be Sent : 26.02.2018
11. Page No. : 6 of 7
12. Protocol : APHA,23rd Edition, IS Methods

Sl.No	Parameters	Test Method	Unit	Result	KSPCB Limits
1.	pH	4500H* B	--	7.98	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	30	100
6.	C.O.D	5220 B	mg/L	72	250
7.	Total Suspended Solids	2540 D	mg/L	80	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 \*\*\*



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

See NOTE overleaf

**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 : 17.02.2018
5. Particulars of Sample Collected : ETP Un-Treated water, Grab Sampling
6. Date of Sample Receipt : 22.02.2018
7. Sample Number : EHSRDCU2/ICPL/WW/18/02/2312
8. Analysis started on : 22.02.2018
9. Analysis Completed on : 26.02.2018
10. Report to be Sent : 26.02.2018
11. Page No. : 5 of 7
12. Protocol : APHA, 23<sup>rd</sup> Edition, IS Method

Sl.No	Parameters	Test Method	Unit	Result
1.	pH	4500H* B	--	6.14
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	480
6.	C.O.D	5220 B	mg/L	1320
7.	Total Suspended Solids	2540 D	mg/L	330

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

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



*Bloups*  
Authorized Signatory

**Concern towards protecting Environment**

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka  
ಕಛೇರಿ ವಿಳಾಸ : ನಂ. 457, ಕಾನ್ಬರಗಿ 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 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 : 17.02.2018
5. Particulars of Sample : Bore Well Water, Grab Sampling  
Collected
6. Date of Sample Receipt : 22.02.2018
7. Sample Number : EHSRDCU2/ICPI/W/18/02/2314
8. Analysis started on : 22.02.2018
9. Analysis Completed on : 26.02.2018
10. Report to be Sent : 26.02.2018
11. Page No. : 7 of 7
12. Protocol : APHA, 23<sup>rd</sup> Edition, IS Method

Sl. No	Parameters	Protocol	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					DL	PL
1	pH	4500H* B	-	6.98	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	1281		
5	Turbidity	2130 B	NTU	0.68	1	5
6	Total Dissolved Solids	2540 C	mg/L	765	500	2000
7	Total Hardness	2340 C	mg/L	480	200	600
8	Calcium	3500-Ca	mg/L	128	75	200
9	Magnesium	3500 Mg B	mg/L	38.88	30	100
10	Chloride as Cl	4500-Cl B	mg/l.	299.9	250	1000
11	Sulphate as SO <sub>4</sub>	4500-SO <sub>4</sub> <sup>2-</sup>	mg/l.	192.63	200	400
12	Fluoride as F	4500F D	mg/L	0.436	1	1.5
13	Iron as Fe	3500-Fe B	mg/L	0.26	0.3	
14	Nitrate as NO <sub>3</sub>	4500-NO <sub>3</sub> E	mg/L	2.15	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 within the said standards.



*Signature*  
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 - 590 015, ಕರ್ನಾಟಕ  
ಆಫೀಸ : ನಂ. 457, ಕನಬರ್ಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015, ಕರ್ನಾಟಕ

See NOTE overleaf

# 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 : 10.02.2018

Sl. No.	Sound Level Monitoring Locations	Code no. for Locations	Results in dB	Remarks
1	Factory Main Gate	⊕ 1	55.8	
2	Sugar Unit	⊕ 2	67.5	
3	Co-gen Unit	⊕ 3	69.0	
4	Co-Gen Office	⊕ 4	51.2	
5	D.G. Set	⊕ 5	68.8	

  
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 : 10.02.2018

### Residential area

Sl. No.	Sound Level Monitoring Locations	Code no. for Locations	Results in dB	Remarks
1	Officer quarters	⊕ 1	54.7	
2	Worker quates	⊕ 2	50.1	

  
Checked by

  
Asst. General Manager (W&E)

  
Dy. General Manager (C&S)




**INDIAN CANE POWER LIMITED, UTTUR.**  
**SOUND LEVEL MONITORING REPORT**

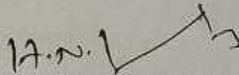
**Specifications of Sound Level Meter :**

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 : 05.02.2018

Sl. No.	Sound Level Monitoring Locations	Code no. for Locations	Results in dB	Remarks
1	Factory Main Gate	⊕ 1	56.4	
2	Sugar Unit	⊕ 2	67.6	
3	Co-gen Unit	⊕ 3	69.3	
4	Co-Gen Office	⊕ 4	51.8	
5	D.G. Set	⊕ 5	68.5	

  
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 : 25.02.2018

Residential area

Sl. No.	Sound Level Monitoring Locations	Code no. for Locations	Results in dB	Remarks
1	Officer quarters	⊕ 1	54.2	
2	Worker quates	⊕ 2	50.4	

Checked by

*[Signature]*  
 Asst. General Manager (W&E)

*[Signature]*  
 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 : 09.02.2018
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 10.02.2018
7. Sample Number : EHSRDCU2/ICPL/A/18/02/2112
8. Report to be Sent : 12.02.2018
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 <sub>10</sub> )	µg/ m <sup>3</sup>	90	100	IS: 5182 (P23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	18	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	1.41	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	3.45	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 - 590 015, ಕರ್ನಾಟಕ

ಆಫೀಸ : ನಂ. 457, ಕನಬರಗಿ ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ, 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 : 09.02.2018
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 10.02.2018
7. Sample Number : EHSRDCU2/ICPL/A/18/02/1213
8. Report to be Sent : 12.02.2018
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 <sub>10</sub> )	µg/ m <sup>3</sup>	93	100	IS: 5182 (P-23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	22	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	1.32	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	3.50	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\*\*



*Bhoupale*  
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  
आफिस : नो. 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 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 : 09.02.2018
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 10.02.2018
7. Sample Number : EHSRDCU2/ICPL/A/18/02/2114
8. Report to be Sent : 12.02.2018
9. Page No : 3 of 8

Sl. No	Parameters	Unit	Results	NAAQ Standards,2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 7.20am-3.20am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	86	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	24	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	1.18	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	3.37	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\*\*



*Bhargava*  
 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

**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 : 09.02.2018
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 10.02.2018
7. Sample Number : EHSRDCU2/ICPL/A/18/02/2115
8. Report to be Sent : 12.02.2018
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 <sub>10</sub> )	µg/ m <sup>3</sup>	92	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	20	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	1.06	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	3.29	80	IS: 5182 (P6)-2006

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



*Blasynke*

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

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

See NOTE overleaf

## 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 : 09.02.2018
5. Particulars of Sample Collected : ETP Un-Treated water, Grab Sampling
6. Date of Sample Receipt : 10.02.2018
7. Sample Number : EHSRDCU2/ICPL/WW/18/02/2117
8. Analysis started on : 10.02.2018
9. Analysis Completed on : 14.02.2018
10. Report to be Sent : 14.02.2018
11. Page No. : 6 of 8
12. Protocol : APHA,23<sup>rd</sup> Edition, IS Method

SLNo	Parameters	Test Method	Unit	Result
1.	pH	4500H* B	- -	6.08
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	540
6.	C.O.D	5220 B	mg/L	1400
7.	Total Suspended Solids	2540 D	mg/L	180

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

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



*B. D. D. D.*  
Authorized Signatory



**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 : 09.02.2018
5. Particulars of Sample Collected : ETP Treated Water, Grab Sampling
6. Date of Sample Receipt : 10.02.2018
7. Sample Number : EHSRDCU2/ICPL/WW/18/02/2118
8. Analysis started on : 10.02.2018
9. Analysis Completed on : 14.02.2018
10. Report to be Sent : 14.02.2018
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	- -	6.98	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	28	100
6.	C.O.D	5220 B	mg/L	56	250
7.	Total Suspended Solids	2540 D	mg/L	32	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\*\*\*



*Blouppate*  
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  
आफिस : नो. ४५७, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - ५९० ०१५, कर्नाटक

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 : 09.02.2018
5. Particulars of Sample Collected : Bore Well Water, Grab Sampling
6. Date of Sample Receipt : 10.02.2018
7. Sample Number : EHSRDCU2/ICPL/W/18/02/2119
8. Analysis started on : 10.02.2018
9. Analysis Completed on : 14.02.2018
10. Report to be Sent : 14.02.2018
11. Page No. : 8 of 8
12. Protocol : APHA, 23<sup>rd</sup> Edition, IS Method

Sl. No	Parameters	Protocol	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					DL	PL
1	pH	4500H+ B	-	7.11	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	956	-	
5	Turbidity	2130 B	NTU	0.74	1	5
6	Total Dissolved Solids	2540 C	mg/L	656	500	2000
7	Total Hardness	2340 C	mg/L	360	200	600
8	Calcium	3500-Ca	mg/L	160	75	200
9	Magnesium	3500 Mg B	mg/L	48.6	30	100
10	Chloride as Cl	4500-Cl B	mg/L	253.92	250	1000
11	Sulphate as SO <sub>4</sub>	4500-SO <sub>4</sub> <sup>2-</sup>	mg/L	203.26	200	400
12	Fluoride as F	4500F D	mg/L	0.26	1	1.5
13	Iron as Fe	3500-Fe B	mg/L	0.12	0.3	
14	Nitrate as NO <sub>3</sub>	4500-NO <sub>3</sub> E	mg/L	2.9	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 within the said standards.

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



*Blangeke*  
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, ಬೆಲಗಾವಿ - ೫೯೦ ೦೧೫, ಕರ್ನಾಟಕ

आफीस : नो. ४५७, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - ५९० ०१५, कर्नाटक



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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 02.06.2016 to 01.06.2021

ಏನ್ವಿರಾನ್‌ಮೆಂಟಲ್ ಹೆಲ್ತ್ ಅಂಡ್ ಸೇಫ್ಟಿ ರಿಸರ್ಚ್ ಅಂಡ್ ಡೆವಲಪ್‌ಮೆಂಟ್ ಸೆಂಟರ್  
(ಪರಿಸರ (ಸಂರಕ್ಷಣೆ) ಕಾಯ್ದೆ, 1986 ರ ಕೆಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ, ಮಾನ್ಯತಾ ಅವಧಿ : 02.06.2016 ರಿಂದ 01.06.2021

### एनवायरनमेंटल हेल्थ एंड सेफ्टी रिसर्च एंड डेवलपमेंट सेंटर

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुषंग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यु दिल्ली, मान्यता तारीख: 02.06.2016 - 01.06.2021

## 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 : 17.02.2018
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 22.02.2018
7. Sample Number : EHSRDCU2/ICPL/A/18/02/2308
8. Report to be Sent : 24.02.2018
9. Page No : 1 of 7

Sl. No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 8.00am-4.00am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	91	100	IS: 5182 (P23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	18	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.00	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	14.3	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\*\*



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

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

See NOTE overleaf