

## Test Report

### ANALYSIS REPORT FOR STACK SOURCE EMISSION

- Stack ID : Boiler 195 TPH
- Name of the Industry : 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, Belagavi - 590015
- Date of Collection : 22.11.2017
- Particulars of Sample Collected : Emissions from stack collected through  
Stack Sampler VSS1
- Date of Sample Receipt : 28.11.2017
- Sample Number : EHSRDCU2/ICPL/S/17/11/1202
- Report to be Sent : 02.12.2017
- Page No : 5 of 8

### GENERAL DETAILS

Date of Monitoring	22.11.2017
Ambient Temperature (°C)	28
Stack Temperature (°C)	152
Velocity (m/s)	7.73
Diameter (m)	3.8
Cross Sectional Area in meter square (m <sup>2</sup> )	11.335
Quantity of flue gas discharged into atmosphere (Nm <sup>3</sup> /h)	223528.49
Dust Emission Rate	4.863

### RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS: 11255, (P1)	mg/Nm <sup>3</sup>	21.76	150

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

\*\*\*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, ಕಣಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015, ಕರ್ನಾಟಕ

ਆಫೀಸ : 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 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 : 22.11.2017
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 28.11.2017
7. Sample Number : EHSRDCU2/ICPL/A/17/11/1199
8. Report to be Sent : 02.12.2017
9. Page No : 2 of 8

Sl.No	Parameters	Unit	Results	NAAQ Standards,2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 10.10am-6.10am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	95	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>	1.44	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	3.75	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, ಕಣಬರಗಿ 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 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 : 22.11.2017
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 28.11.2017
7. Sample Number : EHSRDCU2/ICPL/A/17/11/1198
8. Report to be Sent : 02.12.2017
9. Page No : 1 of 8

Sl.No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 10.00am-6.00am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	50	100	IS: 5182 (P23)-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>	2.11	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	3.63	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\*\*



*Blagav*

Authorized Signatory

### Concern towards protecting Environment

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

ಕಛೇರಿ ವಿಳಾಸ : ನಂ. ೪೫೭, ಕಣಬರಗಿ 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 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 : 22.11.2017
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL.
6. Date of Sample Receipt : 28.11.2017
7. Sample Number : EHSRDCU2/ICPI/A/17/11/1200
8. Report to be Sent : 02.11.2017
9. Page No : 3 of 8

Sl.No	Parameters	Unit	Results	NAAQ Standards,2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 10.20am-6.20am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	97	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	30	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	1.78	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	3.19	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

**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 : 22.11.2017
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NI.
6. Date of Sample Receipt : 28.11.2017
7. Sample Number : EHSRDCU2/ICPL/A/17/11/1201
8. Report to be Sent : 02.12.2017
9. Page No : 4 of 8

Sl.No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of Sampling/Time	Hrs	8 Hrs 10.30am-6.30am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	70	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	25	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	1.74	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	3.30	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, ಕಣಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೫, ಕರ್ನಾಟಕ  
 आफिस : नो. ४५७, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेलगावी - ५९० ०१५, कर्नाटक

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 : 22.11.2017
5. Particulars of Sample Collected : ETP Un-Treated water, Grab Sampling
6. Date of Sample Receipt : 28.11.2017
7. Sample Number : EHSRDCU2/ICPI/WW/17/11/1203
8. Analysis started on : 28.11.2017
9. Analysis Completed on : 02.12.2017
10. Report to be Sent : 04.12.2017
11. Page No. : 6 of 8
12. Protocol : APHA,23<sup>rd</sup> Edition, IS Method

Sl.No	Parameters	Test Method	Unit	Result
1.	pH	4500H+ B	--	6.86
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	560
6.	C.O.D	5220 B	mg/l	2240
7.	Total Suspended Solids	2540 D	mg/l	110

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

\*\*\*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, ಕಣಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಅಟೋನಗರ, ಬೆಲಗಾವಿ - 590015, ಕರ್ನಾಟಕ  
आफिस : नो. 457, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - 590015, कर्नाटक

See NOTE overleaf

**Test Report**

**ANALYSIS REPORT OF EFFLUENT WATER QUALITY**

1. Name of the Location : FTP 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 : 22.11.2017
5. Particulars of Sample Collected : ETP Treated Water, Grab Sampling
6. Date of Sample Receipt : 28.11.2017
7. Sample Number : EHSRDCU2/ICPI/WW/17/11/1204
8. Analysis started on : 28.11.2017
9. Analysis Completed on : 02.12.2017
10. Report to be Sent : 04.12.2017
11. Page No. : 7 of 8
12. Protocol : APHA, 23<sup>rd</sup> Edition, IS Methods

Sl.No	Parameters	Test Method	Unit	Result	KSPCB Limits
1.	pH	4500H <sup>+</sup> B	--	7.6	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	26	100
6.	C.O.D	5220 B	mg/L	48	250
7.	Total Suspended Solids	2540 D	mg/L	64	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, ಕನಬರ್ಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಲಗಾವಿ - 590015, ಕರ್ನಾಟಕ

आफिस : नो. 457, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - ५९००१५, 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 : 22.11.2017
5. Particulars of Sample : Bore Well Water, Grab Sampling  
Collected
6. Date of Sample Receipt : 28.11.2017
7. Sample Number : EHSRDCU2/ICPI/W/17/11/1205
8. Analysis started on : 28.11.2017
9. Analysis Completed on : 02.12.2017
10. Report to be Sent : 04.12.2017
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	-	7.48	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	2130	-	
5	Turbidity	2130 B	NTU	0.66	1	5
6	Total Dissolved Solids	2540 C	mg/L	1278	500	2000
7	Total Hardness	2340 C	mg/L	360	200	600
8	Calcium	3500-Ca	mg/L	128	75	200
9	Magnesium	3500 Mg B	mg/L	9.72	30	100
10	Chloride as Cl	4500-Cl B	mg/L	209	250	1000
11	Sulphate as SO <sub>4</sub>	4500-SO <sub>4</sub> <sup>2-</sup>	mg/L	111.6	200	400
12	Fluoride as F	4500F D	mg/L	0.13	1	1.5
13	Iron as Fe	3500-Fe B	mg/L	0.18	0.3	
14	Nitrate as NO <sub>3</sub>	4500-NO <sub>3</sub> E	mg/l	4.65	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\*\*\*



*Blagyal*  
 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 - ५९० ०१५, कर्नाटक

See NOTE overleaf