



ENVIRONMENTAL HEALTH AND SAFETY  
RESEARCH & DEVELOPMENT CENTRE  
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## ENVIRONMENTAL HEALTH AND SAFETY RESEARCH AND DEVELOPMENT CENTRE

(Recognised under section 12 of the Environment (Protection) Act, 1986)

ಎನ್ವಿರಾನ್‌ಮೆಂಟಲ್ ಹೆಲ್ತ್ ಅಂಡ್ ಸೇಫ್ಟಿ ರಿಸರ್ಚ್ ಅಂಡ್ ಡೆವಲಪ್‌ಮೆಂಟ್ ಸೆಂಟರ್  
(ಪರಿಷರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ, 1986 ರ ಕೆಲವು 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ)

एनवायर्नमेंटल हेल्थ एंड सेफटी रिसर्च एंड डेवलपमेंट सेंटर  
(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला)

### ANALYSIS REPORT FOR STACK SOURCE EMISSION

1. Stack ID : Boiler 125 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 : 10.12.2016
5. Particulars of Sample Collected : Emissions from stack collected through  
Stack Sampler VSS1
6. Date of Sample Receipt : 12.12.2016
7. Sample Number : EHSRDCU2/ICPI./S/16/12/1151
8. Report to be Sent : 14.12.2016
9. Page No : 4 of 7

#### GENERAL DETAILS

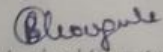
Date of Monitoring	10.12.2016
Ambient Temperature (°C)	30
Stack Temperature (°C)	132
Velocity (m/s)	10.18
Diameter (m)	3.2
Cross Sectional Area in meter square (m <sup>2</sup> )	8.038
Quantity of flue gas discharged into atmosphere (Nm <sup>3</sup> /h)	220490.33
Dust Emission Rate	10.915

#### RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS: 11255, (P1)	mg/Nm <sup>3</sup>	49.50	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\*\*\*

  
Authorized Signatory

Office Address: No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 010, Karnataka

ಓಫೀನು ವಿಳಾಸ: ನಂ. 457, ಕನಬರಗಿ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಆಟೊನಗರ, ಬೆಲಗಾವಿ - 590010, ಕರ್ನಾಟಕ  
ऑफिस : नं. 457, कनबर्गी इंडस्ट्रियल एरिया, ऑटोनगर, बेळगावी - ५९०००९, कर्नाटक

**ANALYSIS REPORT OF AMBIENT AIR QUALITY**

1. Name of the Station : Near Co-gen Plant
2. Name of the Project : M/s. Indian Cane Power Ltd.  
Village: Uttur, Taluk: Gokak, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit II, Belagavi - 590015.
4. Date of Collection : 25.12.2016
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NI.
6. Date of Sample Receipt : 26.12.2016
7. Sample Number : EHSRDCU2/ICPL / A/16/12/1384
8. Report to be Sent : 28.12.2016
9. Page No : 3 of 7

Sl.No	Parameters	Unit	Results	NAAQ Standards,2009	Protocol
1.	Period of Sampling/Time	Hrs	24 Hrs 10.20am-10.20am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	76	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	28	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	2.92	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	5.00	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\*\*

*Beugale*  
Authorized Signatory

**ANALYSIS REPORT OF AMBIENT AIR QUALITY**

1. Name of the Station : Near Quarters
2. Name of the Project : M/s. Indian Cane Power Ltd.  
Village: Uttur, Taluk: Gokak, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research &  
Development Centre Unit II, Belagavi - 590015.
4. Date of Collection : 25.12.2016
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NI.
6. Date of Sample Receipt : 26.12.2016
7. Sample Number : EHSRDCU2/ICPL / A/16/12/1385
8. Report to be Sent : 28.12.2016
9. Page No : 4 of 7

Sl.No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of sampling/Time	Hrs	24 Hrs 10.30am-10.30am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	73	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	27	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	2.94	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	5.03	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



**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 : 25.12.2016
5. Particulars of Sample Collected : ETP Un-Treated water, Grab Sampling
6. Date of Sample Receipt : 26.12.2016
7. Sample Number : EHSRDCU2/ICPL/WW/16/12/1386
8. Analysis started on : 26.12.2016
9. Analysis Completed on : 29.12.2016
10. Report to be Sent : 29.12.2016
11. Page No. : 5 of 7
12. Protocol : APHA, 22<sup>nd</sup> Edition, IS Methods

Sl.No	Parameters	Test Method	Unit	Result
1.	pH	4500H+ B	--	5.9
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	1300
6.	COD	5220B	mg/L	2240
7.	Total Suspended Solids	2540 D	mg/L	280

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

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

*Bloupu*

Authorized Signatory



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## ENVIRONMENTAL HEALTH AND SAFETY RESEARCH AND DEVELOPMENT CENTRE

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(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ, 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ)

एनवायरनमेंटल हेल्थ एंड सेफ्टी रिसर्च एंड डेवलपमेंट सेंटर

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला)

### ANALYSIS REPORT OF EFFLUENT WATER QUALITY

- Name of the Location : ETP Outlet (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 : 25.12.2016
- Particulars of Sample Collected : ETP Treated Water, Grab Sampling
- Date of Sample Receipt : 26.12.2016
- Sample Number : EHSRDCU2/ICPL/WW/16/12/1387
- Analysis started on : 26.12.2016
- Analysis Completed on : 29.12.2016
- Report to be Sent : 29.12.2016
- Page No. : 6 of 7
- Protocol : APHA, 22<sup>nd</sup> Edition, IS Methods

Sl.No	Parameters	Test Method	Unit	Result	KSPCB Limits
1.	pH	4500H+ B	--	7.56	5.5-9.0
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	31	100
6.	COD	5220B	mg/L	76	250
7.	Total Suspended Solids	2540 D	mg/L	55	100

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

**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\*\*\*

*Blouput*  
Authorized Signatory

Office Address: No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 010, Karnataka

ಕಛೇರಿ ವಿಳಾಸ: ನಂ. 457, ಕನಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590010, ಕರ್ನಾಟಕ  
ऑफिस : नो. ४५७, कनबर्गी इंडस्ट्रियल एरिया, ऑटोनगर, बेळगावी - ५९०००९, कर्नाटक

**ANALYSIS REPORT OF FRESH WATER QUALITY**

1. Name of the Location : Industrial Premises
2. Name of the Project : M/s. Indian Cane Power L.td.  
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 : 25.12.2016
5. Particulars of Sample Collected : Bore Well Water, Grab Sampling
6. Date of Sample Receipt : 26.12.2016
7. Sample Number : EHSRDCU2/ICPL/W/16/12/1388
8. Analysis started on : 26.12.2016
9. Analysis Completed on : 29.12.2016
10. Report to be Sent : 29.12.2016
11. Page No. : 7 of 7
12. Protocol : APHA,22<sup>nd</sup> Edition

Sl.No	Parameters	Protocol	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					DL	PL
1	pH	4500H B	-	6.78	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	1249	-	
5	Turbidity	2130 B	NTU	0.63	1	5
6	Total Dissolved Solids	2540 C	mg/l.	885	500	2000
7	Total Hardness	2340 C	mg/l.	408	200	600
8	Calcium	3500-Ca	mg/L.	131.4	75	200
9	Magnesium	3500 Mg B	mg/L.	17.4	30	100
10	Chloride as Cl	4500-Cl B	mg/L.	155.9	250	1000
11	Sulphate as SO <sub>4</sub>	4500-SO <sub>4</sub> <sup>2-</sup>	mg/L.	185.8	200	400
12	Fluoride as F	4500F D	mg/L.	0.80	1	1.5
13	Iron as Fe	3500-Fe B	mg/L.	0.002	0.3	
14	Nitrate as NO <sub>3</sub>	4500-NO <sub>3</sub> E	mg/L.	10.13	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\*\*\*

*Blarygale*  
Authorized Signatory





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एनवायरनमेंटल हेल्थ एंड सेफटी रिसर्च एंड डेवलपमेंट सेंटर  
(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला)

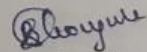
**ANALYSIS REPORT OF AMBIENT AIR QUALITY**

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 : 10.12.2016
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 12.12.2016
7. Sample Number : EHSRDCU2/ICPL/A/16/12/1148
8. Report to be Sent : 14.12.2016
9. Page No : 1 of 7

Sl.No	Parameters	Unit	Results	NAAQ Standards,2009	Protocol
1.	Period of Sampling/Time	Hrs	24 Hrs 10.00am-10.00am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	66	100	IS: 5182 (P23)-2006
3.	Particulate Matter (PM <sub>25</sub> )	µg/ m <sup>3</sup>	26	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	2.43	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	7.05	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

Office Address: No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 010, Karnataka  
ಕಛೇರಿ ವಿಳಾಸ: ನಂ. 457, ಕನಬರ್ಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590010, ಕರ್ನಾಟಕ  
ऑफिस : नं. ४५८, कनबर्गी इंडस्ट्रियल एरिया, ऑटोनगर, बेळगावी - ५९०००९, कर्नाटक

**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 : 10.12.2016
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NI.
6. Date of Sample Receipt : 12.12.2016
7. Sample Number : EHSRDCU2/ICPL / A/16/12/1149
8. Report to be Sent : 14.12.2016
9. Page No : 2 of 7

Sl.No	Parameters	Unit	Results	NAAQ Standards,2009	Protocol
1.	Period of Sampling/Time	Hrs	24 Hrs 10.10am-10.10am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	74	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>	2.97	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	6.65	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\*\*

*Alougal*  
Authorized Signatory



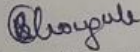
**ANALYSIS REPORT OF AMBIENT AIR QUALITY**

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 : 10.12.2016
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NI.
6. Date of Sample Receipt : 12.12.2016
7. Sample Number : EHSRDCU2/ICPL / A/16/12/1149
8. Report to be Sent : 14.12.2016
9. Page No : 2 of 7

SI.No	Parameters	Unit	Results	NAAQ Standards,2009	Protocol
1.	Period of Sampling/Time	Hrs	24 Hrs 10.10am-10.10am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	74	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>	2.97	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	6.65	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\*\*

  
Authorized Signatory

**ANALYSIS REPORT OF EFFLUENT WATER QUALITY**

1. Name of the Location : ETP Un-Treated Water
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 : 10.12.2016
5. Particulars of Sample Collected : ETP Un-Treated water, Grab Sampling
6. Date of Sample Receipt : 12.12.2016
7. Sample Number : FHSRD/CU2/ICPI./WW/16/12/1152
8. Analysis started on : 12.12.2016
9. Analysis Completed on : 16.12.2016
10. Report to be Sent : 16.12.2016
11. Page No. : 5 of 7
12. Protocol : APHA, 22<sup>nd</sup> Edition, IS Methods

Sl.No	Parameters	Test Method	Unit	Result
1.	pH	4500H <sup>+</sup> B	--	5.58
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	1800
6.	C.O.D	5220 B	mg/L	2500
7.	Total Suspended Solids	2540 D	mg/L	420

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

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

*Blagavati*

Authorized Signatory

**ANALYSIS REPORT OF EFFLUENT WATER QUALITY**

1. Name of the Location : ETP Treated Water
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 : 10.12.2016
5. Particulars of Sample Collected : ETP Treated Water, Grab Sampling
6. Date of Sample Receipt : 12.12.2016
7. Sample Number : EHSRDCU2/ICPI./WW/16/12/1153
8. Analysis started on : 12.12.2016
9. Analysis Completed on : 16.12.2016
10. Report to be Sent : 16.12.2016
11. Page No. : 6 of 7
12. Protocol : APHA, 22<sup>nd</sup> Edition, IS Methods

SLNo	Parameters	Test Method	Unit	Result	KSPCB Limits
1.	pH	4500H* B	--	7.10	5.5-9.0
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	64	250
7.	Total Suspended Solids	2540 D	mg/L	53	100

BOD - Biological Oxygen Demand, BDL-Below Detectable Limit.

<b>INFERENCE</b>	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.
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\*\*\*End of Report\*\*\*

*Blougu*  
Authorized Signatory





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E : ehsrdcu2@gmail.com  
W : www.ehsrdc.in

## ENVIRONMENTAL HEALTH AND SAFETY RESEARCH AND DEVELOPMENT CENTRE

(Recognised under section 12 of the Environment (Protection) Act, 1986)

ಎನ್ವಿರಾನ್ಮೆಂಟಲ್ ಹೆಲ್ತ್ ಅಂಡ್ ಸೇಫ್ಟಿ ರಿಸರ್ಚ್ ಅಂಡ್ ಡೆವಲಪ್‌ಮೆಂಟ್ ಸೆಂಟರ್  
(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ, 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ)

एनवायरनमेंटल हेल्थ एंड सेफटी रिसर्च एंड डेवलपमेंट सेंटर  
(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला)

### TEST REPORT

#### ANALYSIS REPORT OF FRESH WATER QUALITY

- Name of the Location : Industrial Premises
- 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, Belagavi- 590015
- Date of Collection : 10.12.2016
- Particulars of Sample Collected : Bore Well Water, Grab Sampling
- Date of Sample Receipt : 12.12.2016
- Sample Number : EHSRDCU2/ICPI./W/16/12/1154
- Analysis started on : 12.12.2016
- Analysis Completed on : 16.12.2016
- Report to be Sent : 16.12.2016
- Page No. : 7 of 7
- Protocol : APHA, 22<sup>nd</sup> Edition

Sl.No	Parameters	Protocol	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					DL	PL
1	pH	4500H <sup>+</sup> B	-	6.89	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	1945	-	
5	Turbidity	2130 B	NTU	0.85	1	5
6	Total Dissolved Solids	2540 C	mg/L	1458	500	2000
7	Total Hardness	2340 C	mg/L	580	200	600
8	Calcium	3500-Ca	mg/L	185.6	75	200
9	Magnesium	3500 Mg B	mg/L	28.1	30	100
10	Chloride as Cl	4500-Cl B	mg/L	295.9	250	1000
11	Sulphate as SO <sub>4</sub>	4500-SO <sub>4</sub> <sup>2-</sup>	mg/L	158.7	200	400
12	Fluoride as F	4500F D	mg/L	0.97	1	1.5
13	Iron as Fe	3500-Fe B	mg/L	0.06	0.3	
14	Nitrate as NO <sub>3</sub>	4500-NO <sub>3</sub> E	mg/L	6.73	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\*\*\*

Authorized Signatory

Concern towards protecting Environment

Office Address: No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 010, Karnataka

ಕಛೇರಿ ವಿಳಾಸ: ನಂ. 457, ಕನಬರ್ಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಲಗಾವಿ - 590010, ಕರ್ನಾಟಕ

ऑफिस : नं. ४५७, कनबर्गी इंडस्ट्रियल एरिया, ऑटोनगर, बेळगावी - ५९०००९, कर्नाटक



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एनवायरनमेंटल हेल्थ एंड सेफटी रिसर्च एंड डेवलपमेंट सेंटर  
(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला)

**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: Gokak, District: Bagalkote.
3. Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit II, Belagavi - 590015.
4. Date of Collection : 25.12.2016
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 26.12.2016
7. Sample Number : EHSRDCU2/ICPL/A/16/12/1382
8. Report to be Sent : 28.12.2016
9. Page No : 1 of 7

Sl.No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
1.	Period of Sampling/Time	Hrs	24 Hrs 10.00am-10.00am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	78	100	IS: 5182 (P23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	26	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	2.76	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	4.93	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

Office Address: No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 010, Karnataka

ಕಛೇರಿ ವಿಳಾಸ: ನಂ. 457, ಕನಬರ್ಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590010, ಕರ್ನಾಟಕ

ऑफिस : नो. ४५८, कनबर्गी इंडस्ट्रियल एरिया, ऑटोनगर, बेळगावी - ५९०००९, कर्नाटक



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एनवायर्नमेंटल हेल्थ एंड सेफ्टी रिसर्च एंड डेवलपमेंट सेंटर  
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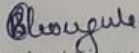
### ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name of the Station : Near Weigh Bridge
- Name of the Project : M/s. Indian Cane Power Ltd.  
Village: Uttur, Taluk: Gokak, District: Bagalkote.
- Sample Collected by : M/s. Environmental Health and Safety Research & Development Centre Unit II, Belagavi - 590015.
- Date of Collection : 25.12.2016
- Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL.
- Date of Sample Receipt : 26.12.2016
- Sample Number : EHSRDCU2/ICPL/A/16/12/1383
- Report to be Sent : 28.12.2016
- Page No : 2 of 7

SLNo	Parameters	Unit	Results	NAAQ Standards,2009	Protocol
1.	Period of sampling/Time	Hrs	24Hrs 10.10am-10.10am	24	--
2.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	74	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	29	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	2.99	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	5.07	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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