

## Test Report

### ANALYSIS REPORT OF FRESH WATER QUALITY

1. Name of the Location : Raw Water- 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 : 11.03.2018
5. Particulars of Sample Collected : Raw Water, Grab Sampling
6. Date of Sample Receipt : 13.03.2018
7. Sample Number : EHSDUCU2/ICPL/W/18/03/2504
8. Analysis started on : 13.03.2018
9. Analysis Completed on : 19.03.2018
10. Report to be Sent : 19.03.2018
11. Page No. : 10 of 10
12. Protocol : APHA, 23<sup>rd</sup> Edition, IS Method

Sl. No	Parameters	Protocol	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					AL	PL
1	pH	4500H <sup>+</sup> B	-	8.30	6.5-8.5	
2	Colour	IS 3025(Part 4):1983	Hazen	<1.0	5	15
3	Odour	IS 3025(Part 5):1983	-	Un-Objectonable	Un-Objectonable	
4	Electrical Conductivity	2510 B	µS/cm	946	-	-
5	Turbidity	2130 B	NTU	0.99	1	5
6	Total Dissolved Solids	2540 C	mg/L	540	500	2000
7	Total Hardness	2340 C	mg/L	152	200	600
8	Calcium	3500-Ca	mg/L	32	75	200
9	Magnesium	3500 Mg B	mg/L	17.49	30	100
10	Chloride as Cl	4500-Cl B	mg/L	169.94	250	1000
11	Sulphate as SO <sub>4</sub>	4500-SO <sub>4</sub> <sup>2-</sup>	mg/L	101.06	200	400
12	Fluoride as F	4500I- D	mg/L	0.63	1	1.5
13	Iron as Fe	3500-Fe B	mg/L	0.005	0.3	
14	Nitrate as NO <sub>3</sub>	4500-NO <sub>3</sub> E	mg/L	0.90	45	

As per IS 10500:2012(Second Revision),

Report Status: - The measured values for the above parameters for those standards have been specified were observed within the said standards.

\*\*\*End\*\*\*



  
Authorized Signatory

Concern towards protecting Environment

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

**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 : 10.03.2018

**Residential area**

Sl. No.	Sound Level Monitoring Locations	Code no. for Locations	Results in dB	Remarks
1	Officer quarters	⊕ 1	54.1	
2	Worker quarters	⊕ 2	49.8	

Checked by

*[Signature]*

Sr-Chemist

*[Signature]*

Asst. General Manager (W&E)



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

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                   Hi 80 - 130 dB  
 Microphone: Electret Condenser Microphone

Date of Monitoring : 10.03.2018

Sl. No.	Sound Level Monitoring Locations	Code no. for Locations	Results in dB	Remarks
1	Factory Main Gate	⊕ 1	54.9	
2	Sugar Unit	⊕ 2	67.2	
3	Co-gen Unit	⊕ 3	68.7	
4	Co-Gen Office	⊕ 4	51.4	
5	D.G. Set	⊕ 5	68.4	

Checked by  


  
 Sr-Chemist

  
 Asst. General Manager (W&E)



**Test Report**ANALYSIS REPORT FOR STACK SOURCE EMISSION

1. Stack ID : Boiler 195 TP11
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 : 11.03.2018
5. Particulars of Sample Collected : Emissions from stack collected through  
Stack Sampler VSSI
6. Date of Sample Receipt : 13.03.2018
7. Sample Number : EHSRDCU2/AC/P1/S/IS/03/2499
8. Report to be Sent : 19.03.2018
9. Page No : 5 of 10

GENERAL DETAILS

Date of Monitoring	11.03.2018
Ambient Temperature (°C)	28
Stack Temperature (°C)	160
Velocity (m/s)	8.09
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> /hr)	229188.06
Dust Emission Rate	9.295

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS: 11255, (P1)	mg/Nm <sup>3</sup>	40.50	150

As per KSPCB Standards,

INFERENCE	Report Status: - The measured value for Particulate Matter is within the standard.
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\*\*\*End of Report\*\*\*



## 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 Uttar, 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 : 11.03.2018
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 13.03.2018
7. Sample Number : EHSRDCU2/ICPI/A/18/03/2496
8. Report to be Sent : 19.03.2018
9. Page No : 2 of 10

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>	86	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	20	60	USEPA 40 CFR (P55)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	4.13	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	10.68	80	IS: 5182 (P2)-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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## 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 Uttar, 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 : 11.03.2018
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL.
6. Date of Sample Receipt : 13.03.2018
7. Sample Number : EHSRDCU2/ICPI/A/18/03/2495
8. Report to be Sent : 19.03.2018
9. Page No : 1 of 10

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>	91	100	IS: 5182 (P23)-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>	4.33	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	10.86	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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## 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 Uttar, 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 : 11.03.2018
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NI.
6. Date of Sample Receipt : 13.03.2018
7. Sample Number : EHSRDCU2/ACPI/A/18/03/2497
8. Report to be Sent : 19.03.2018
9. Page No : 3 of 10

Sl. No	Parameters	Unit	Results	NAAQ Standards, 2005	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>	88	100	IS: 5182 (P 23)-2006
3.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	19	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	4.33	80	IS: 5182 (P2)-2001
5.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	11.40	80	IS: 5182 (P6)-2006

REFERENCE : 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

## 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 Uttar, 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 : 11.03.2018
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL.
6. Date of Sample Receipt : 13.03.2018
7. Sample Number : EHSRDCU2/ICPL/A/18/03/2498
8. Report to be Sent : 19.03.2018
9. Page No : 4 of 10

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>	22	60	USEPA 40 CFR (P53)
4.	Sulphur Dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	4.53	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 \*\*\*



  
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## Test Report

### ANALYSIS REPORT OF EFFLUENT WATER QUALITY

1. Name of the Location : EFP 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- 590015
4. Date of Collection : 11.03.2018
5. Particulars of Sample Collected : EFP Treated Water, Grab Sampling
6. Date of Sample Receipt : 13.03.2018
7. Sample Number : EHSRDCU2/ICP1/WWW/18/03/2501
8. Analysis started on : 13.03.2018
9. Analysis Completed on : 19.03.2018
10. Report to be Sent : 19.03.2018
11. Page No. : 7 of 10
12. Protocol : APHA, 23rd Edition, IS Methods

Sl. No.	Parameters	Test Method	Unit	Result	KSPCB Limits
1.	pH	4500H <sup>+</sup> B	-	7.52	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.	Biological Oxygen Demand	5210 B	mg/l	30	100
6.	Chemical Oxygen Demand	5220 B	mg/l	64	250
7.	Total Suspended Solids	2540 D	mg/l	40	100


BDL: Below Detectable Limit, IP: Industrial Premises

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\*\*\*



  
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Concern towards protecting Environment

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

**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 : 11.03.2017  
 5. Particulars of Sample : ETP Un-Treated water, Grab Sampling  
 Collected  
 6. Date of Sample Receipt : 13.03.2017  
 7. Sample Number : EHSRDCU2/ICPI/VVW/18/03/2500  
 8. Analysis started on : 13.03.2017  
 9. Analysis Completed on : 19.03.2017  
 10. Report to be Sent : 19.03.2017  
 11. Page No. : 6 of 10  
 12. Protocol : APHA, 23<sup>rd</sup> Edition, IS Method

Sr. No.	Parameters	Test Method	Unit	Result
1.	pH	4500H <sup>+</sup> B	--	5.82
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.	Biological Oxygen Demand	5210 B	mg/L	660
6.	Chemical Oxygen Demand	5220 B	mg/L	1640
7.	Total Suspended Solids	2540 D	mg/L	220

BDL: Below Detectable Limit, IP: Industry Premises

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



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