



Coromandel Sugars Limited

(Formerly Known as ICL Sugars Limited)

Makavalli-571426, K.R. Pet Taluk, Mandya Dist, (Karnataka)

Phone : 260434, Fax : 08230-260456

e-mail : krp_is@indiacements.co.in

CIN : U15421TN1996PLC035549

Code : 08230
Phone : 260434
Fax : 260456

e-mail : krp_is@indiacements.co.in

CSL/PROCESS/MoEF/2019/ 75

Date : 29.11.2019

To,

The Research Assistant (Env.)
Ministry of Environment, Forests & Climate Change,
Regional Office (Southern Zone),
Kendriya Sadan, IVth Floor, E & F Wings, 17th Main Road,
IIInd Block, Koramangala, Bangalore – 560 034

Dear Sir,

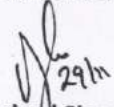
Sub. : Submission of Half Yearly Compliance Report – Molasses/Grain based Distillery (45 KLD), Co-generation Plant (30 MW) and captive power plant (1.5 MW) at S.F. No.151, Village Makavalli, Tehsil Krishnarajpet, District Mandya, Karnataka by M/s Coromandel Sugars Ltd. – Reg.

Ref. : (i) EIA Notification, 2006
(ii) EC No. No. J-11011/565/2010-IA.II(I) dt.31.12.2012
(iii) File No: EP/12.1/2012-13/10/Kar dated 30.10.2017

We are sending herewith half yearly compliance reports for the period April 2019 to September 2019 for your kind perusal.

Thanking You,

For Coromandel Sugars Ltd.,


Authorised Signatory

Encl. : As above.

Corporate office : "Coromandel Towers", # 93, Santhome High Road, Karpagam Avenue, R.A. Puram, Chennai-600028.

Phone : 044-28521526, 28512855 Fax : 28521344

Regd Office : Dhun Building, # 827, Anna Salai, Chennai-600 002.

Additional Specific Conditions (Vide letter No. Dated 30th March 2016)

S.No	Additional Specific Conditions	Compliance
(i)	Bag filters shall be provided to the existing 2x45 TPH boilers in place of ventury scrubbers to control particulate emissions.	Existing 2 x 45 TPH boilers are isolated from operations.
(ii)	Effluent from the existing sugar unit shall be treated in the efficient ETP and treated effluent shall be recycled/reused in the process in order to reduce the overall fresh water requirement for the entire project	Complied. Treated effluent is being recycled/reused in the process to reduce the overall fresh water requirement. +
(iii)	No effluent shall be discharged outside the premises and 'Zero' discharge shall be maintained.	Complied. No effluent is being discharged outside.
(iv)	Automatic / online monitoring system (24x7 monitoring devices) for air pollution as well as water pollution in respect of flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPC B and in the company's website.	Complied. Automatic/online monitoring system(24x7 monitoring devices) for air and water pollution installed.
(v)	Bagasse/biomass/Coal storage in the existing sugar unit shall be done in such a way that it does not get air borne or fly around due to wind.	Complied. Necessary precautions taken.
(vi)	Boiler ash in the sugar unit shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be avoided. Bagasse ash and coal ash shall be stored separately.	Complied. Ash is stored and given to farmers with filter cake for using as manure and soil conditioning.

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Specific Conditions (Vide Letter No. Dated 31st December 2012)

S.No	Specific Conditions	Compliance Details
(i)	Distillery unit shall be based on Molasses (45 KLPD) / Grain (45 KLPD) only and production of the plant shall not exceed the maximum capacity defined i.e. shall never exceed 45 KLPD.	Project kept in abeyance. Hence NA.
(ii)	Measures shall be taken to mitigate PM10 levels in the ambient air. As proposed, Electrostatic precipitator (ESP) along with stack of adequate height shall be provided to boiler (140 TPH) to control particulate emissions within 50 mg/Nm ³ . Bag filter along with stack of adequate height shall be provided to boiler (18 TPH) to control particulate emissions within 50 mg/Nm ³ . At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Efficiency of pollution control device shall be monitored regularly. Stack monitoring report shall be submitted to the Ministry's Regional office at Bangalore	Complied. ESP with four field along with chimney of 90mtr ht .
(iii)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826 (E) dated 16 th November 2009 shall be followed.	Complied and Board directions shall be followed.
(iv)	In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. Shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits prescribed by Karnataka State Pollution Control Board (KSPCB).	Complied and Board directions shall be followed.
(v)	Company shall follow good management practices viz. Collection of waste yeast sludge from fermentation section in a closed system and proper disposal, reduced volume of effluent by adopting strategic approaches, closed drains carrying spent wash to the treatment units, minimization of fugitive emissions from anaerobic treatment; proper collection & handling of excess sludge generated from the anaerobic & aerobic treatment units; minimum retention of treated & untreated spent wash in the lagoons; effective composting of the spent wash by	Project kept in abeyance. Hence NA.

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	controlled effluent spraying through mechanical system to avoid spillages & over application, blending of sludge in correct proportion with press mud; and properly finished compost and green belt development with suitable plantation in and around the treatment units to mitigate odour from the distillery unit.	
(vi)	Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery so as to avoid fugitive emissions.	Project kept in abeyance. Hence NA.
(vii)	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	Complied
(viii)	The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MOEF, the respective Zonal office of CPCB and the KSPCB. The levels of PM10, PM2.5, SO2, NOx and HC (methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.	Complied. Uploaded in the company website.
(ix)	Total fresh water requirement from River Hemavathi shall not exceed 10 KL/KL of alcohol (i.e. 450 m3/day) for distillery and 900 m3/day for co generation unit (30MW + 1.5 MW) and prior permission of drawl of water shall be obtained from the competent authorities. No ground water shall be used.	Complied and Shall be followed as per guidelines by TAC.
(x)	Spent wash generation from molasses and grain based distillery shall not exceed 8 kL/KL of alcohol and 6 KL/KL of alcohol respectively. Spent wash from molasses based distillery shall after concentration be incinerated in the incineration boiler to achieve zero discharge. Spent wash from grain based shall be treated through decanter and concentrated in multi-effect evaporator (MEE) to form DWGS. DWGS shall be dried in the dryer to form DDGS. Spentlees, effluent from utilities and co generation unit shall be treated in effluent treatment plant (ETP) and water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB and recycle/reuse.	Project kept in abeyance. Hence NA.
(xi)	As proposed, no effluent from distillery and co generation power plant shall be discharged outside the premises and Zero discharge shall be adopted.	Complied. (Distillery project kept in abeyance)
(xii)	Process effluent / any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Complied.
(xiii)	Spent wash shall be stored in impervious lagoon with HDPE lining as per CPCB guidelines and shall be kept in proper condition to prevent ground water pollution.	Project kept in abeyance. Hence NA.

	Storage capacity of spent wash lagoon should be for 5 days.	
(xiv)	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area should be set up. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to SPCB and this Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and total dissolved solids should be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bangalore and KSPCB.	Complied and report attached.
(xv)	Bagasse storage shall be done in such a way that it does not get air borne or fly around due to wind.	Complied
(xvi)	The calorific value of the imported coal used shall not less than 5500-5800 Kcal/kg. Sulphur and ash content in the coal shall be less than 1 % and 3 % respectively. In case of variation in coal quality, it should be reported to the MoEF for suitable amendment to this specific condition.	Complied
(xvii)	Fly ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be avoided. Bagasse ash and coal ash shall be stored separately.	Complied. Fly ash management being done as per board direction. As per board the fuel will be used as blend (85 % bagasse +15 % coal), thus ash will be combined. However ash can be stored separately, when fuel is used 100 % individually.
(xviii)	Fire fighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for fire fighting shall be made to control fire from the alcohol storage tank.	Project kept in abeyance. Hence NA.
(xix)	Risk Assessment shall be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry and its Regional office at Bangalore within Six months.	Project kept in abeyance. Hence NA.
(xx)	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.	Complied
(xxi)	Dedicated parking facility for loading and unloading of materials shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.	Complied. Parking facility for loading and unloading vehicles provided.

(xxii)	Green belt shall be developed in 8.33 acres out of 24.5 acres to mitigate the effects of fugitive emissions all around the plant as per CPCB guidelines in consultation with the local DFO. Thick green belt with suitable plant species shall be developed around the proposed distillery to mitigate the odour problem.	Complied. Thick green belt area is being developed on continual basis.
(xxiii)	All the issues raised during the public hearing / consultation meeting held on 9 th December 2011 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Complied.
(xxiv)	At least 5% of the total cost of the project shall be earmarked towards the Enterprise social commitment based on public hearing issues and item wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.	Complied. CSR activities done on continual basis.
(xxv)	The company shall submit within three months their policy towards corporate Environment responsibility which shall inter-alia address (i) standard operating process / procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/conditions. (ii) Hierarchical system or Administrative order of the company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) system of reporting of non compliance/violation environmental norms to the Board of Directors of the company and / or stakeholders or shareholders.	Complied. Policy towards corporate environment responsibility implemented.
(xxvi)	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	All the board directions followed.

General Conditions

S.No	General Conditions	Compliance Details
(i)	The project authorities shall strictly adhere to the stipulations made by the Karnataka State Pollution Control Board.	Complied.
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the	Board directions shall be followed.

	adequacy of conditions imposed and to add additional environmental protection measures required, if any	
(iii)	The locations of ambient air quantity monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied. AAQ stations installed in the factory premises.
(iv)	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc., on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz 75dBA (day time) and 70dBA (night time)	Complied. Noise level maintained within the standards prescribed.
(v)	The Company shall harvest rainwater from the roof tops of buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Complied. Rain water harvest recharge system in place
(vi)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied. Board directions shall be followed on continual basis.
(vii)	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Board directions are being followed.
(viii)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers and administration.	Being taken up
(ix)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Being taken up
(x)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied.
(xi)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to	Being followed.

	implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	
(xii)	A Copy of the clearance letter shall be sent by the project proponent to concerned Panchayath, Zilla Parishath/Municipal Corporation, Urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Complied.
(xiii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and KSPGB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Board directions shall be followed.
(xiv)	The environmental statement of each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules. 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Board directions shall be followed.
(xv)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of clearance letter are available with the SPCB/Committee and may also be seen at Website of Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local news papers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of Ministry.	Board directions shall be followed.
(xvi)	The project authorities shall inform the Regional Office as well as the Ministry. The date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Co gen power plant project completed and commissioned on 10.10.2017. Distillery project kept in abeyance.

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M/S Coramandel Sugars Ltd, Makavalli.

Crushing Season 2019-2020

Ganesh lab, Mysore

Stack Analysis result

S.NO	Parameters	Norms	Aug-19	Sep-19	Oct-19
1	Particulate Matter	50 mg/Nm ³	45.6	45.71	46.26

Treated Water Analysis Result

S.NO	Parameters	Norms	Aug-19	Sep-19	Oct-19
1	TSS	100mg/l	20	4	6
2	Oil & Grease	10mg/l	BDL	BDL	BDL
3	BOD	100mg/l	45	6	12
4	TDS	2100mg/l	896	1196	1008
5	pH	6.5-8.5	8.02	8.06	7.77

AAQ Monitoring Result**ETP area**

S.NO	Parameters	Norms	Aug-19	Sep-19	Oct-19
1	PM 10	100µg/m ³	58.58	56.63	54.10
2	PM 2.5	60µg/m ³	19.10	19.54	19.25
3	SO ₂	80µg/m ³	10.30	9.16	8.84
4	NO ₂	80µg/m ³	42.15	40.20	38.20

Main Gate area

S.NO	Parameters	Norms	Aug-19	Sep-19	Oct-19
1	PM 10	100µg/m ³	70.45	71.83	76.26
2	PM 2.5	60µg/m ³	24.62	25.52	27.51
3	SO ₂	80µg/m ³	10.57	9.98	10.96
4	NO ₂	80µg/m ³	44.10	43.25	42.10

1st house area

S.NO	Parameters	Norms	Aug-19	Sep-19	Oct-19
1	PM 10	100µg/m ³	50.10	53.30	46.21
2	PM 2.5	60µg/m ³	16.22	18.66	15.20
3	SO ₂	80µg/m ³	8.17	10.47	8.84
4	NO ₂	80µg/m ³	37.25	38.30	37.16

Noise Monitoring

S.NO	Locations	Norms	Aug-19	Sep-19	Oct-19
1	East side	75 dB at Day time	65.20	67.70	68.10
2	West side		60.10	62.40	60.30
3	North side		61.70	60.60	63.00
4	South side		65.00	64.90	62.80



Ganesh Consultancy & Analytical Services

(MoEF Recognised, FSSAI Notified Laboratory)



Test House : 294A, Hebbal Industrial Area, Mysuru - 570 016 Telephone : 2402986, 4282027
 Office : 1030, Geetha Road, Chamarajapuram, Mysuru - 570 005 Telephone : 2402987, 4253825
 Bengaluru Office : # 895, 2nd B Cross, Hosakere Halli, BSK 3rd Stage, Near Raghavendra Swamy Temple, Bengaluru - 560 085
 Mob : 9845475436 Email : info@ganeshlaboratory.com, lab.ganesh@gmail.com • Web : www.ganeshlaboratory.com

ISO-9001
 ISO-14001
 R191-1115
 OHSAS-18001
 ROH91-8744

TEST REPORT

Page 1 of 1

CUSTOMER ADDRESS,
 M/s. Coromandel Sugars Ltd.,
 Makavalli -571426,
 K.R. Pet Taluk,
 Mandya Dist.

Control No
 Customer reference
 Date of report

D: 1269/2019-20
 Manufacturing General/WO-19
 Date: 21-07-2019
 30-08-2019

1) Sample description: Flue Gas
 2) Sampled by : Lab Personnel

3) Date of Sampling 16-08-2019
 4) Sampling protocol IS 11255

Sl. No	General parameters	Details of stack
1	Stack connected to	Boiler 140 TPH
2	Ambient Temperature	27°C
3	Flue gas Temperature	138°C
4	Flue gas Velocity	8.40 m/sec

Sl. No	Test	Unit	Result	KSPCB Limit	Test method
1	Particulate Matter	mg/Nm ³	45.6	50	IS 11255 (Part-1):1985

Comments: The test result meets the KSPCB standards.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

(A. R. Subramanya)

NOTE: 1. The results listed refer only to the tested samples and applicable parameters. Endorsement of products neither inferred nor implied.
 2. Total liability of our institute is limited to the Invoice amount.



Ganesh Consultancy & Analytical Services



(MoEF Recognised, FSSAI Notified Laboratory)

Test House : 294A, Hebbal Industrial Area, Mysuru - 570 016 Telephone : 2402986, 4282027
 Office : 1030, Geetha Road, Chamarajapuram, Mysuru - 570 005 Telephone : 2402987, 4253825
 Bengaluru Office : # 895, 2nd B Cross, Hosakere Halli, BSK 3rd Stage, Near Raghavendra Swamy Temple, Bengaluru - 560 085
 Mob : 9845475436 Email : info@ganeshlaboratory.com, lab.ganesh@gmail.com • Web : www.ganeshlaboratory.com

ISO-9001
 ISO-14001
 RI 91-1115
 OHSAS-18001
 ROH91-8744

TEST REPORT

CUSTOMER ADDRESS,
 M/s. Coromandel Sugars Ltd.,
 Makavalli -571426,
 K.R. Pet Taluk,
 Mandya Dist.

Control No

Customer reference

Date of report

Page 1 of 1

D: 1566/2019-20

Manufacturing General/WO-19

Date: 21-07-2019

09-10-2019

- 1) Sample description: Flue Gas
 2) Sampled by : Lab Personnel

- 3) Date of Sampling : 26-09-2019
 4) Sampling protocol IS 11255

Sl. No	General parameters	Details of stack
1	Stack connected to	Boiler 140 TPH
2	Ambient Temperature	30°C
3	Flue gas Temperature	118°C
4	Flue gas Velocity	7.33 m/sec

Sl. No	Test	Unit	Result	KSPCB Limit	Test method
1	Particulate Matter	mg/Nm ³	45.71	50	IS 11255 (Part-1):1985

Comments: The test result meets the KSPCB standards.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

(A. R. Subramanya)



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ISO-14001
ISO-45001
RI91/10172

TEST REPORT

Page 1 of 1

CUSTOMER ADDRESS,
M/s. Coromandel Sugars Ltd.,
Makavalli - 571426,
K.R. Pet Taluk,
Mandya Dist.

Control No

Customer reference

Date of report

D: 1769/2019-20

Manufacturing General/WO-19

Date: 21-07-2019

05-11-2019

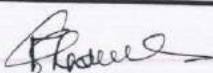
- 1) Sample description: Flue Gas
2) Sampled by : Lab Personnel

- 3) Date of Sampling 26-10-2019
4) Sampling protocol IS 11255

Sl. No	General parameters	Details of stack
1	Stack connected to	Boiler 140 TPH
2	Ambient Temperature	28°C
3	Flue gas Temperature	121°C
4	Flue gas Velocity	6.79 m/sec

Sl. No	Test	Unit	Result	KSPCB Limit	Test method
1	Particulate Matter	mg/Nm ³	46.26	50	IS 11255 (Part-1):1985

Comments: The test result **meets** the KSPCB standards.


Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES


(A. R. Subramanya)

- OTE: 1. The results listed refer only to the tested samples and applicable parameters. Endorsement of products neither inferred nor implied.
2. Total liability of our institute is limited to the Invoice amount.
3. Samples will be disposed after the specified retention period.



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 ROH91-8744

TEST REPORT

CUSTOMER ADDRESS,
 M/s. Coromandel Sugars Limited
 Makavalli - 571 426,
 K.R. Pet Taluk,
 Mandya Dist.

Control No

Customer Ref

Date of Sample Collection

Date of Sample Receipt

Date of Commencement

Date of Completion

Date of Report

4) Sample Condition:

5) Sample Drawn By

6) Sampling Protocol

Page 1 of 1
 C: 3808/2019-20
 Manufacturing
 General/WO-19
 Date: 21-07-2019
 17-08-2019
 19-08-2019
 19-08-2019
 23-08-2019
 26-08-2019
 Satisfactory
 Lab. Personnel
 IS 3025

- 1) Sample description: Water
- 2) Sample Marked as: ETP Treated Water
- 3) Sample Package / Quantity: PET Bottle, 1 Liter.

Sl. No.	Test	Unit	Result	KSPCB Limit	Test Method
1	Colour	---	Colourless	See Note	IS 3025: Part (4)
2	Odour	---	Odourless	See Note	IS 3025: Part (5)
3	pH Value	---	8.02	6.0-8.5	IS 3025: Part (11)
4	Total Suspended Solids	mg/l	20	100	IS 3025: Part (17)
5	Oil & Grease	mg/l	BDL (DL 2)	10	IS 3025: Part (39)
6	Bio-chemical oxygen demand (3 days at 27°C)	mg/l	45	100	IS 3025: Part (44)
7	Total Dissolved Solids	mg/l	896	2100	IS 3025: Part (16)

Note: All efforts should be made to remove Colour & unpleasant Odour as far as practicable.

Comments: The test result meets the KSPCB Limit.

S. S. Up
 Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

(A. R. Subramanya)



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ISO - 9001
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 R191-1115
 OHSAS - 18001
 ROH91-8744

TEST REPORT

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CUSTOMER ADDRESS,
 M/s. Coromandel Sugars Limited
 Makavalli - 571 426,
 K.R. Pet Taluk,
 Mandya Dist.

Control No

C: 4930/2019-20

Customer Ref

Manufacturing General/WO-19

Date of Sample Collection

Date: 21-07-2019

Date of Sample Receipt

27-09-2019

Date of Commencement

28-09-2019

Date of Completion

28-09-2019

Date of Report

05-10-2019

4) Sample Condition:

09-10-2019

5) Sample Drawn By

Satisfactory

6) Sampling Protocol

Lab. Personnel

- 1) Sample description: Water
- 2) Sample Marked as: ETP Treated Water
- 3) Sample Package / Quantity: PET Bottle, 1 Liter.

IS 3025

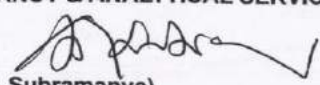
Sl. No.	Test	Unit	Result	KSPCB Limit	Test Method
1	Colour	---	Colourless	See Note	IS 3025: Part (4)
2	Odour	---	Odourless	See Note	IS 3025: Part (5)
3	pH Value	---	8.06	6.0-8.5	IS 3025: Part (11)
4	Total Suspended Solids	mg/l	4	100	IS 3025: Part (17)
5	Oil & Grease	mg/l	BDL (DL 2)	10	IS 3025: Part (39)
6	Bio-chemical oxygen demand (3 days at 27°C)	mg/l	6	100	IS 3025: Part (44)
7	Total Dissolved Solids	mg/l	1196	2100	IS 3025: Part (16)

Note: All efforts should be made to remove Colour & unpleasant Odour as far as practicable.

Comments: The test result meets the KSPCB Limit.


 Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES


 (A. R. Subramanya)

- DTE: 1. The results listed refer only to the tested samples and applicable parameters. Endorsement of products neither inferred nor implied.
 2. Total liability of our institute is limited to the Invoice amount.



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TEST REPORT

CUSTOMER ADDRESS,
 M/s. Coromandel Sugars Limited
 Makavalli - 571 426,
 K.R.Pet Taluk,
 Mandya Dist.

Control No.

Customer Ref

Date of Sample Collection
 Date of Sample Receipt
 Date of Commencement
 Date of Completion
 Date of Report

4) Sample Condition:

5) Sample Drawn By

6) Sampling Protocol

Page 1 of 1
 C: 5775/2019-20
 Manufacturing
 General/WO-19
 Date: 21-07-2019
 27-10-2019
 28-10-2019
 28-10-2019
 02-11-2019
 04-11-2019
 Satisfactory
 Lab. Personnel
 IS 3025

- 1) Sample description: Water
) Sample Marked as: ETP Treated Water
 3) Sample Package / Quantity: PET Bottle, 1 Liter.

Sl. No.	Test	Unit	Result	KSPCB Limit	Test Method
1	Colour	---	Colourless	See Note	IS 3025 (P 4)
2	Odour	---	Odourless	See Note	IS 3025 (P 5)
3	pH Value	---	7.77	6.0-8.5	IS 3025 (P 11)
4	Total Suspended Solids	mg/l	6	100	IS 3025 (P 17)
5	Oil & Grease	mg/l	BDL (DL 2)	10	IS 3025 (P 39)
6	Bio-chemical oxygen demand (3 days at 27°C)	mg/l	12	100	IS 3025 (P 44)
7	Total Dissolved Solids	mg/l	1008	2100	IS 3025 (P 16)

Note: All efforts should be made to remove Colour & unpleasant Odour as far as practicable.

Comments: The test result meets the KSPCB Limit.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

(A. R. Subramanya)



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TEST REPORT

Page 1 of 1

CUSTOMER ADDRESS,
 M/s. Coromandel Sugars Ltd.,
 Makavalli - 571426,
 K.R. Pet Taluk,
 Mandya Dist.

Control No
 Customer reference
 Date of report

D: 1268-B/2019-20
 Manufacturing General/WO-19
 Date: 21-07-2019
 30-08-2019

1) Sample description : Ambient Air
 2) Sampling location: ETP Area
 3) Sampled by : Lab Personnel

4) Date of sampling 15-08-2019 to 16-08-2019
 5) Duration of sampling 24Hrs.
 6) Sampling protocol IS 5182

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	$\mu\text{g}/\text{m}^3$	10.30	80	IS 5182 (Part-2) 2001
2	Nitrogen Dioxides	$\mu\text{g}/\text{m}^3$	42.15	80	IS 5182 (Part-6) 2006
3	Particulate Matter (Size less than 10 μm)	$\mu\text{g}/\text{m}^3$	58.58	100	IS 5182 (Part-23) 2006
4	Particulate Matter (Size less than 2.5 μm)	$\mu\text{g}/\text{m}^3$	19.10	60	Lab SOP - PM _{2.5}
5	Ozone	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	100	Lab SOP - O ₃
6	Lead	$\mu\text{g}/\text{m}^3$	BDL (DL 0.001)	1.0	Lab SOP - M
7	Carbon Monoxide	mg/m^3	BDL (DL:1.10)	4	Lab SOP - CO
8	Ammonia	$\mu\text{g}/\text{m}^3$	2.45	400	Lab SOP - NH ₃
9	Benzene	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	5	IS-5182(Part-11):2006 RA:2009
10	Benzo (a) Pyrene - (BaP) particulate phase only	ng/m^3	BDL (DL: 0.01)	1	Lab SOP - BaP
11	Arsenic	ng/m^3	BDL (DL: 1.0)	6	Lab SOP - M
12	Nickel	ng/m^3	BDL (DL 1.0)	20	Lab SOP - M

Note: NAAQ: The National Ambient Air Quality Standards. BDL: Below detection limit, DL: Detection limit

Comments: The test result meets the NAAQ standards.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

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 ROH91-8744

TEST REPORT

CUSTOMER ADDRESS,
 M/s. Coromandel Sugars Ltd.,
 Makavalli -571426,
 K.R. Pet Taluk,
 Mandya Dist.

Control No
 Customer reference
 Date of report

Page 1 of 1
 D: 1565-B/2019-20
 Manufacturing General/WO-19
 Date: 21-07-2019
 09-10-2019

- 1) Sample description : Ambient Air
- 2) Sampling location: ETP Area
- 3) Sampled by : Lab Personnel

- 4) Date of sampling 26-09-2019 to 27-09-2019
- 5) Duration of sampling 24Hrs.
- 6) Sampling protocol IS 5182

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	$\mu\text{g}/\text{m}^3$	9.16	80	IS 5182 (Part-2) 2001
2	Nitrogen Dioxides	$\mu\text{g}/\text{m}^3$	40.20	80	IS 5182 (Part-6) 2006
3	Particulate Matter (Size less than $10\ \mu\text{m}$)	$\mu\text{g}/\text{m}^3$	56.63	100	IS 5182 (Part-23) 2006
4	Particulate Matter (Size less than $2.5\ \mu\text{m}$)	$\mu\text{g}/\text{m}^3$	19.54	60	Lab SOP - PM _{2.5}
5	Ozone	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	100	Lab SOP - O ₃
6	Lead	$\mu\text{g}/\text{m}^3$	BDL (DL 0.001)	1.0	Lab SOP - M
7	Carbon Monoxide	mg/m^3	BDL (DL: 1.10)	4	Lab SOP - CO
8	Ammonia	$\mu\text{g}/\text{m}^3$	2.85	400	Lab SOP - NH ₃
9	Benzene	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	5	IS-5182(Part-11):2006 RA:2009
10	Benzo (a) Pyrene - (BaP) particulate phase only	ng/m^3	BDL (DL: 0.01)	1	Lab SOP - BaP
11	Arsenic	ng/m^3	BDL (DL: 1.0)	6	Lab SOP - M
12	Nickel	ng/m^3	BDL (DL 1.0)	20	Lab SOP - M

Note: NAAQ: The National Ambient Air Quality Standards. BDL: Below detection limit, DL: Detection limit

Comments: The test result meets the NAAQ standards.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

(A. R. Subramanya)



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TEST REPORT

Page 1 of 1

CUSTOMER ADDRESS,
M/s. Coromandel Sugars Ltd.,
Makavalli -571426,
K.R. Pet Taluk,
Mandya Dist.

Control No

Customer reference

Date of report

D: 1768-B/2019-20

Manufacturing General/WO-19

Date: 21-07-2019

05-11-2019

- 1) Sample description : Ambient Air
- 2) Sampling location: ETP Area
- 3) Sampled by : Lab Personnel

- 4) Date of sampling 26-10-2019 to 27-10-2019
- 5) Duration of sampling 24Hrs.
- 6) Sampling protocol IS 5182

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	$\mu\text{g}/\text{m}^3$	8.84	80	IS 5182 (Part-2) 2001
2	Nitrogen Dioxides	$\mu\text{g}/\text{m}^3$	38.20	80	IS 5182 (Part-6) 2006
3	Particulate Matter (Size less than 10 μm)	$\mu\text{g}/\text{m}^3$	54.10	100	IS 5182 (Part-23) 2006
4	Particulate Matter (Size less than 2.5 μm)	$\mu\text{g}/\text{m}^3$	19.25	60	Lab SOP - PM _{2.5}
5	Ozone	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	100	Lab SOP - O ₃
6	Lead	$\mu\text{g}/\text{m}^3$	BDL (DL 0.001)	1.0	Lab SOP - M
7	Carbon Monoxide	mg/m^3	BDL (DL:1.10)	4	Lab SOP - CO
8	Ammonia	$\mu\text{g}/\text{m}^3$	2.90	400	Lab SOP - NH ₃
9	Benzene	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	5	IS-5182(Part-11):2006 RA:2009
10	Benzo (a) Pyrene - (BaP) particulate phase only	ng/m^3	BDL (DL: 0.01)	1	Lab SOP - BaP
11	Arsenic	ng/m^3	BDL (DL: 1.0)	6	Lab SOP - M
12	Nickel	ng/m^3	BDL (DL 1.0)	20	Lab SOP - M

Note: NAAQ: The National Ambient Air Quality Standards. BDL: Below detection limit, DL: Detection limit

Comments: The test result meets the NAAQ standards.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

(A. R. Subramanya)

NOTE: 1. The results listed refer only to the tested samples and applicable parameters. Endorsement of products neither inferred nor implied.
2. Total liability of our institute is limited to the Invoice amount.



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TEST REPORT

CUSTOMER ADDRESS,
M/s. Coromandel Sugars Ltd.,
Makavalli - 571426,
K.R. Pet Taluk,
Mandya Dist.

Control No
Customer reference
Date of report

Page 1 of 1
D: 1268-A/2019-20
Manufacturing General/WO-19
Date: 21-07-2019
30-08-2019

- 1) Sample description : Ambient Air
- 2) Sampling location: Security Main Gate Area
- 3) Sampled by : Lab Personnel

- 4) Date of sampling 15-08-2019 to 16-08-2019
- 5) Duration of sampling 24Hrs.
- 6) Sampling protocol IS 5182

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	$\mu\text{g}/\text{m}^3$	10.57	80	IS 5182 (Part-2) 2001
2	Nitrogen Dioxides	$\mu\text{g}/\text{m}^3$	44.10	80	IS 5182 (Part-6) 2006
3	Particulate Matter (Size less than $10\ \mu\text{m}$)	$\mu\text{g}/\text{m}^3$	70.45	100	IS 5182 (Part-23) 2006
4	Particulate Matter (Size less than $2.5\ \mu\text{m}$)	$\mu\text{g}/\text{m}^3$	24.62	60	Lab SOP - $\text{PM}_{2.5}$
5	Ozone	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	100	Lab SOP - O_3
6	Lead	$\mu\text{g}/\text{m}^3$	0.009	1.0	Lab SOP - M
7	Carbon Monoxide	mg/m^3	BDL (DL:1.10)	4	Lab SOP - CO
8	Ammonia	$\mu\text{g}/\text{m}^3$	BDL (DL:1.0)	400	Lab SOP - NH_3
9	Benzene	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	5	IS-5182(Part-11):2006 RA:2009
10	Benzo (a) Pyrene - (BaP) particulate phase only	ng/m^3	BDL (DL: 0.01)	1	Lab SOP - BaP
11	Arsenic	ng/m^3	BDL (DL: 1.0)	6	Lab SOP - M
12	Nickel	ng/m^3	1.10	20	Lab SOP - M

Note: NAAQ: The National Ambient Air Quality Standards. BDL: Below detection limit, DL: Detection limit

Comments: The test result meets the NAAQ standards.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

(A. R. Subramanya)



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TEST REPORT

CUSTOMER ADDRESS,
 M/s. Coromandel Sugars Ltd.,
 Makavalli - 571426,
 K.R. Pet Taluk,
 Mandya Dist.

Control No

Customer reference

Date of report

Page 1 of 1
 D: 1565-A/2019-20
 Manufacturing General/WO-19
 Date: 21-07-2019
 09-10-2019

- 1) Sample description : Ambient Air
- 2) Sampling location: Security Main Gate Area
- 3) Sampled by : Lab Personnel

- 4) Date of sampling 26-09-2019 to 27-09-2019
- 5) Duration of sampling 24Hrs.
- 6) Sampling protocol IS 5182

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	$\mu\text{g}/\text{m}^3$	9.98	80	IS 5182 (Part-2) 2001
2	Nitrogen Dioxides	$\mu\text{g}/\text{m}^3$	43.25	80	IS 5182 (Part-6) 2006
3	Particulate Matter (Size less than $10 \mu\text{m}$)	$\mu\text{g}/\text{m}^3$	71.83	100	IS 5182 (Part-23) 2006
4	Particulate Matter (Size less than $2.5 \mu\text{m}$)	$\mu\text{g}/\text{m}^3$	25.52	60	Lab SOP - $\text{PM}_{2.5}$
5	Ozone	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	100	Lab SOP - O_3
6	Lead	$\mu\text{g}/\text{m}^3$	0.012	1.0	Lab SOP - M
7	Carbon Monoxide	mg/m^3	BDL (DL: 1.10)	4	Lab SOP - CO
8	Ammonia	$\mu\text{g}/\text{m}^3$	BDL (DL: 1.0)	400	Lab SOP - NH_3
9	Benzene	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	5	IS-5182(Part-11):2006 RA:2009
10	Benzo (a) Pyrene - (BaP) particulate phase only	ng/m^3	BDL (DL: 0.01)	1	Lab SOP - BaP
11	Arsenic	ng/m^3	BDL (DL: 1.0)	6	Lab SOP - M
12	Nickel	ng/m^3	BDL (DL 1.0)	20	Lab SOP - M

Note: NAAQ: The National Ambient Air Quality Standards. BDL: Below detection limit, DL: Detection limit
 Comments: The test result meets the NAAQ standards.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

(A. R. Subramanya)



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TEST REPORT

CUSTOMER ADDRESS,
 M/s. Coromandel Sugars Ltd.,
 Makavalli -571426,
 K.R. Pet Taluk,
 Mandya Dist.

Control No

Customer reference

Date of report

Page 1 of 1
 D: 1768-A/2019-20
 Manufacturing General/WO-19
 Date: 21-07-2019
 05-11-2019

- 1) Sample description : Ambient Air
- 2) Sampling location: Security Main Gate Area
- 3) Sampled by : Lab Personnel

- 4) Date of sampling 26-10-2019 to 27-10-2019
- 5) Duration of sampling 24Hrs.
- 6) Sampling protocol IS 5182

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	$\mu\text{g}/\text{m}^3$	10.96	80	IS 5182 (Part-2) 2001
2	Nitrogen Dioxides	$\mu\text{g}/\text{m}^3$	42.10	80	IS 5182 (Part-6) 2006
3	Particulate Matter (Size less than 10 μm)	$\mu\text{g}/\text{m}^3$	76.26	100	IS 5182 (Part-23) 2006
4	Particulate Matter (Size less than 2.5 μm)	$\mu\text{g}/\text{m}^3$	27.51	60	Lab SOP - PM _{2.5}
5	Ozone	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	100	Lab SOP - O ₃
6	Lead	$\mu\text{g}/\text{m}^3$	0.018	1.0	Lab SOP - M
7	Carbon Monoxide	mg/m^3	BDL (DL:1.10)	4	Lab SOP - CO
8	Ammonia	$\mu\text{g}/\text{m}^3$	BDL (DL:1.0)	400	Lab SOP - NH ₃
9	Benzene	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	5	IS-5182(Part-11):2006 RA:2009
10	Benzo (a) Pyrene - (BaP) particulate phase only	ng/m^3	BDL (DL: 0.01)	1	Lab SOP - BaP
11	Arsenic	ng/m^3	BDL (DL: 1.0)	6	Lab SOP - M
12	Nickel	ng/m^3	BDL (DL 1.0)	20	Lab SOP - M

Note: NAAQ: The National Ambient Air Quality Standards. BDL: Below detection limit, DL: Detection limit
 Comments: The test result meets the NAAQ standards.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES



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TEST REPORT

Page 1 of 1

CUSTOMER ADDRESS,
 M/s. Coromandel Sugars Ltd.,
 Makavalli - 571426,
 K.R. Pet Taluk,
 Mandya Dist.

Control No
 Customer reference
 Date of report

D: 1268-C/2019-20
 Manufacturing General/WO-19
 Date: 21-07-2019
 30-08-2019

- 1) Sample description : Ambient Air
- 2) Sampling location: Guest House Area
- 3) Sampled by : Lab Personnel

- 4) Date of sampling 15-08-2019 to 16-08-2019
- 5) Duration of sampling 24Hrs.
- 6) Sampling protocol IS 5182

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	$\mu\text{g}/\text{m}^3$	8.17	80	IS 5182 (Part-2) 2001
2	Nitrogen Dioxides	$\mu\text{g}/\text{m}^3$	37.25	80	IS 5182 (Part-6) 2006
3	Particulate Matter (Size less than $10 \mu\text{m}$)	$\mu\text{g}/\text{m}^3$	50.10	100	IS 5182 (Part-23) 2006
4	Particulate Matter (Size less than $2.5 \mu\text{m}$)	$\mu\text{g}/\text{m}^3$	16.22	60	Lab SOP - $\text{PM}_{2.5}$
5	Ozone	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	100	Lab SOP - O_3
6	Lead	$\mu\text{g}/\text{m}^3$	BDL (DL 0.001)	1.0	Lab SOP - M
7	Carbon Monoxide	mg/m^3	BDL (DL:1.10)	4	Lab SOP - CO
8	Ammonia	$\mu\text{g}/\text{m}^3$	BDL (DL:1.0)	400	Lab SOP - NH_3
9	Benzene	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	5	IS-5182(Part-11):2006 RA:2009
10	Benzo (a) Pyrene - (BaP) particulate phase only	ng/m^3	BDL (DL: 0.01)	1	Lab SOP - BaP
11	Arsenic	ng/m^3	BDL (DL: 1.0)	6	Lab SOP - M
12	Nickel	ng/m^3	BDL (DL 1.0)	20	Lab SOP - M

Note: NAAQ: The National Ambient Air Quality Standards. BDL: Below detection limit, DL: Detection limit

Comments: The test result meets the NAAQ standards.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

(A. R. Subramanya)



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TEST REPORT

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 M/s. Coromandel Sugars Ltd.,
 Makavalli -571426,
 K.R. Pet Taluk,
 Mandya Dist.

Control No
 Customer reference
 Date of report

Page 1 of 1
 D: 1565-C/2019-20
 Manufacturing General/WO-19
 Date: 21-07-2019
 09-10-2019

1) Sample description : Ambient Air
 2) Sampling location: Guest House Area
 3) Sampled by : Lab Personnel

4) Date of sampling 26-09-2019 to 27-09-2019
 5) Duration of sampling 24Hrs.
 6) Sampling protocol IS 5182

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	$\mu\text{g}/\text{m}^3$	10.47	80	IS 5182 (Part-2) 2001
2	Nitrogen Dioxides	$\mu\text{g}/\text{m}^3$	38.30	80	IS 5182 (Part-6) 2006
3	Particulate Matter (Size less than 10 μm)	$\mu\text{g}/\text{m}^3$	53.30	100	IS 5182 (Part-23) 2006
4	Particulate Matter (Size less than 2.5 μm)	$\mu\text{g}/\text{m}^3$	18.66	60	Lab SOP - PM _{2.5}
5	Ozone	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	100	Lab SOP - O ₃
6	Lead	$\mu\text{g}/\text{m}^3$	BDL (DL 0.001)	1.0	Lab SOP - M
7	Carbon Monoxide	mg/m^3	BDL (DL:1.10)	4	Lab SOP - CO
8	Ammonia	$\mu\text{g}/\text{m}^3$	BDL (DL:1.0)	400	Lab SOP - NH ₃
9	Benzene	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	5	IS-5182(Part-11):2006 RA:2009
10	Benzo (a) Pyrene - (BaP) particulate phase only	ng/m^3	BDL (DL: 0.01)	1	Lab SOP - BaP
11	Arsenic	ng/m^3	BDL (DL: 1.0)	6	Lab SOP - M
12	Nickel	ng/m^3	BDL (DL 1.0)	20	Lab SOP - M

Note: NAAQ: The National Ambient Air Quality Standards. BDL: Below detection limit, DL: Detection limit

Comments: The test result meets the NAAQ standards.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

(A. R. Subramanya)



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TEST REPORT

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CUSTOMER ADDRESS,
M/s. Coromandel Sugars Ltd.,
Makavalli -571426,
K.R. Pet Taluk,
Mandya Dist.

Control No

Customer reference

Date of report

D: 1768-C/2019-20
Manufacturing General/WO-19
Date: 21-07-2019
05-11-2019

- 1) Sample description : Ambient Air
- 2) Sampling location: Guest House Area
- 3) Sampled by : Lab Personnel

- 4) Date of sampling 26-10-2019 to 27-10-2019
- 5) Duration of sampling 24Hrs.
- 6) Sampling protocol IS 5182

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	$\mu\text{g}/\text{m}^3$	8.84	80	IS 5182 (Part-2) 2001
2	Nitrogen Dioxides	$\mu\text{g}/\text{m}^3$	37.16	80	IS 5182 (Part-6) 2006
3	Particulate Matter (Size less than 10 μm)	$\mu\text{g}/\text{m}^3$	46.21	100	IS 5182 (Part-23) 2006
4	Particulate Matter (Size less than 2.5 μm)	$\mu\text{g}/\text{m}^3$	15.20	60	Lab SOP - PM _{2.5}
5	Ozone	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	100	Lab SOP - O ₃
6	Lead	$\mu\text{g}/\text{m}^3$	BDL (DL 0.001)	1.0	Lab SOP - M
7	Carbon Monoxide	mg/m^3	BDL (DL:1.10)	4	Lab SOP - CO
8	Ammonia	$\mu\text{g}/\text{m}^3$	BDL (DL:1.0)	400	Lab SOP - NH ₃
9	Benzene	$\mu\text{g}/\text{m}^3$	BDL (DL: 0.01)	5	IS-5182(Part-11):2006 RA:2009
10	Benzo (a) Pyrene - (BaP) particulate phase only	ng/m^3	BDL (DL: 0.01)	1	Lab SOP - BaP
11	Arsenic	ng/m^3	BDL (DL: 1.0)	6	Lab SOP - M
12	Nickel	ng/m^3	BDL (DL 1.0)	20	Lab SOP - M

Note: NAAQ: The National Ambient Air Quality Standards. BDL: Below detection limit, DL: Detection limit

Comments: The test result meets the NAAQ standards.

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CUSTOMER ADDRESS,

Authorised Signatory

Control No D: 1770/2019-20
For GANESH CONSULTANCY & ANALYTICAL SERVICES

(A. R. Subramanya)

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2. Total liability of our institute is limited to the Invoice amount.
3. Samples will be disposed after the specified retention period.
4. This report is not to be reproduced wholly or in part and cannot be used as an evidence in Court of Law without prior permission in writing.
5. Sample (s) or not drawn by us unless otherwise stated.



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TEST REPORT

CUSTOMER ADDRESS,
M/s. Coromandel Sugars Ltd.,
Makavalli -571426,
K.R. Pet Taluk,
Mandya Dist.

Control No
Customer reference
Date of report

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D: 1270/2019-20
Manufacturing General/WO-19
Date: 21-07-2019
30-08-2019

- 1) Sample description : Noise
- 2) Date of monitoring : 16-08-2019
- 3) Monitored by : Lab Personnel

- 4) Noise Monitored on Day
- 5) Test protocol IS:10988-1984

Sl. No.	Test	Unit	Location	Result	KSPCB Limit
1	Noise Level	dB (A)	East Side (VP Office Area)	65.2	75 (Day Time)
2			West Side (Temporary Godown area)	60.1	
3			North Side (ETP Area)	61.7	
4			South Side (Cane Yard Gate Area)	65.0	

Comments: The test result meets the KSPCB limit.

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TEST REPORT

CUSTOMER ADDRESS,
 M/s. Coromandel Sugars Ltd.,
 Makavalli -571426,
 K.R. Pet Taluk,
 Mandya Dist.

Control No
 Customer reference
 Date of report

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 D: 1567/2019-20
 Manufacturing General/WO-19
 Date: 21-07-2019
 09-10-2019

- 1) Sample description : Noise
 2) Date of monitoring : 26-09-2019
 3) Monitored by : Lab Personnel

- 4) Noise Monitored on Day
 5) Test protocol IS:10988-1984

Sl. No.	Test	Unit	Location	Result	KSPCB Limit
1	Noise Level	dB (A)	East Side (VP Office Area)	67.7	75 (Day Time)
2			West Side (Temporary Godown area)	62.4	
3			North Side (ETP Area)	60.6	
4			South Side (Cane Yard Gate Area)	64.9	

Comments: The test result meets the KSPCB limit.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

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M/s. Coromandel Sugars Ltd.,
 Makavalli -571426,
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 Mandya Dist.

TEST REPORT

For reference
 Date of report

Manufacturing General/WO-19
 Date: 21-07-2019
 05-11-2019

- 1) Sample description : Noise
- 2) Date of monitoring : 26-10-2019
- 3) Monitored by : Lab Personnel

- 4) Noise Monitored on Day
- 5) Test protocol IS:10988-1984

No.	Test	Unit	Location	Result	KSPCB Limit
1	Noise Level	dB (A)	East Side (VP Office Area)	68.1	75 (Day Time)
2			West Side (Temporary Godown area)	60.3	
3			North Side (ETP Area)	63.0	
4			South Side (Cane Yard Gate Area)	62.8	

Comments: The test result meets the KSPCB limit.

Authorised Signatory

For GANESH CONSULTANCY & ANALYTICAL SERVICES

(A. R. Subramanya)

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