

**Jamkhandi Sugars Ltd.,****ಜಮಖಂಡಿ ಶುಗರ್ಸ್ ಲಿ. ಜಮಖಂಡಿ.****GSTIN No : 29AAACJ8575C1ZD**

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 CIN No. U85110KA1993PLC014570  
 CUG No. 7022022148 / 149

JSL/MFG-ENV/MoEF&amp;CC/2019-20/

Date: 16.11.2019

To,  
 MINISTRY OF ENVIRONMENT, FOREST&CLIMATE CHANGE  
 Regional office (south Zone)  
 Kendriya sadan, 4th Floor, E&FWings  
 Koramangala, Bengalure-560034

Sub: Half yearly compliance report for the period April 2019 to September 2019 –Reg

Ref: Environmental Clearance


- i) J-11011/300/2007-IA II(1) dated 9<sup>th</sup> April 2009
- ii) J-11011/300/2007-IA II(1) dated 16<sup>th</sup> August 2016
- iii) J-11011/191/2007-IA II(1) dated 01<sup>st</sup> August 2017

Respected Sir,

With reference to the above subject herewith we are submitting the half yearly compliance report for the period April 2019 to September 2019. The details are as follows

Sl No	Description	Details
1.	Name of the Industry	Jamkhandi sugars Limited (Distillery Division) Hirepadasalagi -583701 Tal: Jamkhandi, Dist : Bagalkot
2.	Person Responsible	Shri. Sambhaji S. Bhosale General Manager-Distillery
3.	Email.ID	gmdistillery@jamkhandisugars.com
4.	Phone No/ Mobile	08353-254160 +919663257003
5.	Web site details	www.jamkhandisugars.com
6.	Environmental Clearance details	i) J-11011/300/2007-IA II(1) dated 9 <sup>th</sup> April 2009 ii) J-11011/300/2007-IA II(1) dated 16 <sup>th</sup> August 2016 III) J-11011/191/2007-IA II(1) dated 01 <sup>st</sup> August 2017
7.	Working days (Days)	131.32

**COMPLIANCE WITH MOEF / ENVIRONMENTAL CLEARANCE NEW DELHI F.NO.J-  
11011/300/2007-IAII (I)  
M/S JAMKHANDI SUGARS LTD HIREPADASALAGI VILLAGE BAGALKOT DISTRICT POST  
NAGANUR 587301 KARNATAKA**

SL. NO	SPECIFIC CONDITIONS	Compliance
01	The company shall adopt continuous fermentation technology. The spent wash generation shall not exceed <b>480</b> m <sup>3</sup> /d. The spent wash after bio-methanation in the bio digester shall be composted with press mud to achieve zero discharge. The effluent from the floor washing shall be treated in the ETP and treated effluent after conforming to the prescribed standards shall be used for green belt development. The domestic effluent (4m <sup>3</sup> /d) shall be disposed of in the soak-pit	Incineration Boiler installed.
02	land requirement for the compost yard and finished products shall be as per the CPCB guidelines	No composting carried out. All spent wash is Incinerated in steam Boiler
03	The spent wash shall be stored in impervious pucca lagoons. The spent wash lagoons shall have proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation, storage for the concentrated spent wash shall not exceed 30 days capacity.	Constructed spent wash storage tank of capacity 7962m <sup>3</sup> (7days generated capacity) as per CPCB norms
04	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area and compost yard shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report Submitted to SPCB and this Ministry.	We are using Incineration Boiler. No composting.
05	Particulate emissions from the boiler shall be controlled by installation of wet Scrubbers and emissions shall be dispersed through stack of height as per CPCB Standards.	Installed Bag Filler working efficiently.
06	vi. 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 Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as	Being carried out  



	well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
07	The company shall obtain permission from the State Irrigation/ Ground Water Department to draw the water as may be applicable to this case	Permission obtained from the Board-copy enclosed.
08	Green belt in 33% of the plant area shall be provided to mitigate the effects of fugitive-emissions all around the plant and compost yard as per the CPCB guidelines in consultation with the local DFO.	Tree plantation is done-copy enclosed.
09	The Company shall adopt rainwater harvesting measures to recharge the ground Water.	JSL is adopting the rain water harvesting scheme
10	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, mobile sewage treatment plant, safe drinking water, medical health care, creche 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.	JSL will provide the housing, drinking water, Toilets for the workers, & staff, Nowhere no construction gang at our site.
	<b>GENERAL CONDITIONS</b>	
01	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Noted and accepted
02	Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of <b>SPM, SO<sub>2</sub>, NO<sub>x</sub></b> , are anticipated in consultation with the State Pollution Control Board	The Ambient Air quality Monitoring stations are identified in consultation with Regional Officer KSPCB in the downwind direction as well as where maximum ground level concentration of SPM,SO <sub>2</sub> ,Nox, are anticipated and regularly monitored & results are sent to KSPCB office .Two Ambient Air Quality Monitoring stations are established-copy enclosed.
03	Adequate number of influent and effluent quality monitoring stations shall be set up in-consultation with the State Pollution Control Board. Regular monitoring should be carried out for relevant parameters	Adequate numbers of influent and effluent quality monitoring stations were set up in consultation with the State Pollution Control board. We are regularly monitoring influent & effluent quality for relevant parameters like pH, BOD, Suspend solids, COD, Chlorides, etc. Industry is also monitoring the trade



		effluent samples and emission samples from the EP approved third agency MSV Analytical laboratios Ballari. Reports are enclosed as Annexure No-1		
04	The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever more Stringent is. In <b>case</b> of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Industry has full-fledged effluent treatment plant for the treatment of the trade effluent generated from the plant. Industry has also set up incineration boiler for the trade effluent disposal. Bag filter is installed as air pollution control equipment and the emissions from the boiler are within the limits prescribed by the State pollution control board.		
05	The overall noise levels in and around the plant area shall be kept well within the standards <b>by</b> providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, <b>1989</b> viz. 75 d BA ( day time) and 70 d BA ( night time)	There is no DG set at Distillery. The one at sugar is being used when needed Distillery. The noise levels at five locations around plant are regularly monitored and have been found well within the standard limits as prescribed under EPA Rules 1989		
06	The project proponent shall also comply with all the environmental protection Measures <b>and</b> safeguards recommended in the EIA /EMP and public hearing report.	Industry strictly adheres and complying with the recommdations to the environmental protection measures and safeguards mentioned in the EIA/EMP report.		
07	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health center shall be strengthened and the medical records of each employee shall be maintained separately.	The occupational health surveillance programme is undertaken regularly for the employees. The first aid facilities are already strengthened and medical records for each employee is also maintained.		
08	A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	A full fledged laboratory is existing in the campus and Environmental management cell is available to carry out the Environmental management & monitoring functions.-copy enclosed.		
09	The project authorities shall provide requisite funds for both recurring and nonrecurring expenditure to implement the conditions stipulated by the non-recurring Expenditure to implement the conditions stipulated by the Ministry of Environment and Forests as well <b>as</b> the State government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose	Industry abides by the condition. The Capital /Re-curring expenses for the environmental management are as follows		
			<b>Capital Investment [Lakh]</b>	<b>Recurring [Lakh /Y]</b>
		<b>Particulars</b>		





		Environment Monitoring	1.5 crore	3.5
		Green Belt Development	0.5	12
		Rain Water Harvesting	25 One time	-
		Storm Water Management	45	1.5
		Solid Waste Management	-	1.0
10	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat. Zila Parishad/Mu'nicipal Corporation urban local Body and the local <b>NGO</b> , if any, from who suggestions <sup>1</sup> representations, if any, were received while Processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Sent to all local bodies		
11	The implementation of the project vis-a -vis environmental action plans will be monitored by Ministry's Regional Office at Bangalore /State Pollution Control Board/central Pollution Control Board.	Half yearly compliance reports along with monitored data are submitted regularly to your office.		
12	The project proponent shall also submit six monthly reports on the status of Compliance of the stipulated E C 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 the State Pollution Control Board.	Noted and accepted.		
13	The Project Proponent shall inform the public that the project has been accorded Environmental clearance by the Ministry and copies of the clearance letter are Available with the State Pollution Control Board <sup>1</sup> Committee and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> This shall be advertised within seven days from <b>the date of issue of</b> . The clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be <b>in</b> the vernacular language of the locality concerned and a copy of the same Shall be	Industry abides by the conditions. Information was submitted in the local newspaper		



	forwarded to the Regional office.	
14	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 land development work.	Industry commissioned the 60 KLPD distillery plant on 1st Dec 2017. Now the project is completed and is operation.
6	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Industry abide by the conditions.
7	The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner	Industry abide by the conditions.
8	Any appeal against this environmental clearance shall lie with the National environment of 30 days Appellate Authority, if preferred within a period as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997	Industry abide by the conditions.
9	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and trans boundary ) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Industry abide by the conditions.

**COMPLIANCE WITH MOEF / ENVIRONMENTAL CLEARANCE NEW DELHI F.NO.J-11011/300/2007-IAII (I)**

**M/S JAMKHANDI SUGARS LTD HIREPADASALAGI VILLAGE BAGALKOT DISTRICT POST NAGANUR 587301 KARNATAKA**

<b>SPECIFIC CONDITIONS</b>	<b>COMPLAINCE</b>
<b>I.</b> Bag filter along with stack of adequate height should be provided to biomass/Coal fired boiler to control particulate emission within 50mg/Nm <sup>3</sup>	Bag filter provided and adequate height chimney (RCC) is provided.
<b>ii.</b> Total fresh water requirement from Krishna shall not exceed 600 m <sup>3</sup> /day for distillery and Cogeneration unit and prior permission for drawl of water shall be obtained from the competent Authority.	Noted and Permission obtained from the Board.
<b>iii</b> The spent wash from molasses based distillery shall be treated in biodigester through Biomethantion process followed by bio-composting to achieve Zero discharge, spentlees and effluent from utilities shall be treated and recycled/reused in process.	Incineration boiler of capacity 22 TPH installed to achieve Zero discharge of spent wash.
<b>Iv</b> No effluent from distillery shall be discharged outside the premises and Zero discharge concept shall be adopted.	No effluent is discharged outside the factory premises.






V Automatic/online monitoring system (24x7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the Company's Website.	On line monitoring system for flow measurement and others is in operation(Live) With CPCB server.
VI The spent wash shall be stored in impervious RCC lagoonwithHDPE lining as per CPCB guidelines and should be kept in proper condition to prevent ground water pollution. Storage capacity of spent wash lagoon should be for 30 days.	Spent wash stored RCC LagoonwithHDPE lining as per CPCB guidelines.
VII 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 and dust shall be avoided. Bagasse ash and coal ash shall be stored separately.	Fly ash stored separately as per CPCB guidelines and is being sold. The party is shifting regularly.

This is for your kind information and kindly accepts our compliance.

Thanking You

**Yours Faithfully  
For Jamkhandi sugars Limited  
(Distillery Division)**



  
**V. Sivaprakasam  
Managing Director**

Encl: as above

FAX NO: 98353, ~~98353~~ S.B. Nymgo UD, M. Panchitra

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಮಹಾಪಾಲಕರು  
ಬೀದರ್ ಜಿಲ್ಲಾ ಕಚೇರಿ



24-11-05

ದಿನಾಂಕ: 24-11-05

ಕ್ರಮ: 219 ದಿನಾಂಕ 05

ಪಂಚಿತ್ರಾ, ಸಿಬ್ಬಿಡಿ  
ಬೀದರ್ ಜಿಲ್ಲಾ ಕಚೇರಿ, ಬೀದರ್ - 585 000

ಪಂಚಿತ್ರಾ, ಸಿಬ್ಬಿಡಿ  
ಬೀದರ್ ಜಿಲ್ಲಾ ಕಚೇರಿ (ಸಿಬಿ ಕೆ)  
ಬೀದರ್-585001

ಪಂಚಿತ್ರಾ,

ಇದುವು: ಪಂಚಿತ್ರಾ ಕಚೇರಿ, ಸಿಬ್ಬಿಡಿ ಪಂಚಿತ್ರಾ ಇವರಿಗೆ ಸಿಬ್ಬಿಡಿ ಕಚೇರಿ ಬೀದರ್ ಜಿಲ್ಲಾ ಕಚೇರಿಗೆ ಸೇರಿಸಿ ಅಧಿಕಾರ ವಹಿಸುವ ಕುರಿತು.  
ಇದುವು: ಸಿಬ್ಬಿಡಿ ಪಂಚಿತ್ರಾ, ಸಿಬ್ಬಿಡಿ ಪಂಚಿತ್ರಾ. 95-06, ದಿನಾಂಕ: 19-10-95.

ಇದುವು: ಪಂಚಿತ್ರಾ ಕಚೇರಿ, ಸಿಬ್ಬಿಡಿ ಪಂಚಿತ್ರಾ ಇವರಿಗೆ ಸಿಬ್ಬಿಡಿ ಕಚೇರಿ ಬೀದರ್ ಜಿಲ್ಲಾ ಕಚೇರಿಗೆ ಸೇರಿಸಿ ಅಧಿಕಾರ ವಹಿಸುವ ಕುರಿತು. 2500 ಹೆಚ್ಚುವರಿ ಅಧಿಕಾರ ವಹಿಸುವ ಕುರಿತು ಸರ್ಕಾರದ ಸ್ವೀಕಾರಕ್ಕೆ ಅರ್ಜಿ ಸಲ್ಲಿಸಿ. ದಿನಾಂಕ: 12-09-94, ದಿನಾಂಕ: 19-10-95. (ಇದುವು: ಪಂಚಿತ್ರಾ ಕಚೇರಿ, ಸಿಬ್ಬಿಡಿ ಪಂಚಿತ್ರಾ)

ಇದುವು: ಪಂಚಿತ್ರಾ ಕಚೇರಿ, ಸಿಬ್ಬಿಡಿ ಪಂಚಿತ್ರಾ ಇವರಿಗೆ ಸಿಬ್ಬಿಡಿ ಕಚೇರಿ ಬೀದರ್ ಜಿಲ್ಲಾ ಕಚೇರಿಗೆ ಸೇರಿಸಿ ಅಧಿಕಾರ ವಹಿಸುವ ಕುರಿತು. 41-47 ಎಂ.ಸಿ.ಎಂ.ಸಿ. ಸಿಬ್ಬಿಡಿ ಪಂಚಿತ್ರಾ, ಸಿಬ್ಬಿಡಿ ಪಂಚಿತ್ರಾ ಬೀದರ್ ಜಿಲ್ಲಾ ಕಚೇರಿಗೆ ಸೇರಿಸಿ ಅಧಿಕಾರ ವಹಿಸುವ ಕುರಿತು. ದಿನಾಂಕ: 19-10-95.

ಇದುವು: ಪಂಚಿತ್ರಾ ಕಚೇರಿ, ಸಿಬ್ಬಿಡಿ ಪಂಚಿತ್ರಾ ಇವರಿಗೆ ಸಿಬ್ಬಿಡಿ ಕಚೇರಿ ಬೀದರ್ ಜಿಲ್ಲಾ ಕಚೇರಿಗೆ ಸೇರಿಸಿ ಅಧಿಕಾರ ವಹಿಸುವ ಕುರಿತು. ದಿನಾಂಕ: 19-10-95. ಇದುವು: ಪಂಚಿತ್ರಾ ಕಚೇರಿ, ಸಿಬ್ಬಿಡಿ ಪಂಚಿತ್ರಾ ಇವರಿಗೆ ಸಿಬ್ಬಿಡಿ ಕಚೇರಿ ಬೀದರ್ ಜಿಲ್ಲಾ ಕಚೇರಿಗೆ ಸೇರಿಸಿ ಅಧಿಕಾರ ವಹಿಸುವ ಕುರಿತು. ದಿನಾಂಕ: 19-10-95. ಇದುವು: ಪಂಚಿತ್ರಾ ಕಚೇರಿ, ಸಿಬ್ಬಿಡಿ ಪಂಚಿತ್ರಾ ಇವರಿಗೆ ಸಿಬ್ಬಿಡಿ ಕಚೇರಿ ಬೀದರ್ ಜಿಲ್ಲಾ ಕಚೇರಿಗೆ ಸೇರಿಸಿ ಅಧಿಕಾರ ವಹಿಸುವ ಕುರಿತು. ದಿನಾಂಕ: 19-10-95.

R1-A

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ನಿರ್ದೇಶನ, ಆಯೋಜನೆಯಿಂದ ಮೇಲೆ ವರದಿ 1-5 ಪ್ರಯೋಜನವನ್ನು	31.10	ವಿವರಿಸಿ
ಆಯೋಜನೆಯ ನಡವಳಿಯ ವರದಿ 1-00 ಪ್ರಯೋಜನವನ್ನು	10.37	ವಿವರಿಸಿ
	<u>41.47</u>	ವಿವರಿಸಿ

ನಿರ್ದೇಶನ ಹಾಗೂ ಇತರ ವಿಷಯ ಪರಿಶೀಲನೆಯಾದರೆ ಸರ್ಕಾರ ಅನುಮತಿ ನೀಡಬೇಕೆಂದು ವಿನಂತಿಸಿ ಸಾಲು ಆಡಳಿತಕ್ಕೊಳಪಡಿಸಿದೆ.

- (1) ಮೇಲ್ಕಂಡಂತೆ ಉಪಕರಣಗಳ ಖರೀದಿ ಮತ್ತು ಇತರ ವಿಷಯಗಳನ್ನು ನಿರ್ದೇಶನ ಅನುಮತಿಯನ್ನು ಪಡೆದ ನಂತರವೇ ಖರೀದಿ ಮಾಡಬೇಕು. ಅಂತಹ ಖರೀದಿಗಳಾದರೂ ಕಾರ್ಯನಿರ್ವಹಣೆಯ ಅಗತ್ಯತೆಗಳನ್ನು ಪರಿಶೀಲಿಸಿ ನಂತರ ನಿರ್ದೇಶನ ಅನುಮತಿಯನ್ನು ಪಡೆದು ಖರೀದಿ ಮಾಡಬೇಕು. ಇಂತಹ ಖರೀದಿಗಳನ್ನು ನಿರ್ದೇಶನ ಅನುಮತಿಯನ್ನು ಪಡೆದ ನಂತರವೇ ಮಾಡಬೇಕು. ಇಂತಹ ಖರೀದಿಗಳನ್ನು ನಿರ್ದೇಶನ ಅನುಮತಿಯನ್ನು ಪಡೆದ ನಂತರವೇ ಮಾಡಬೇಕು.
- (2) ಕೃಷಿ ಮತ್ತು ಇತರ ಕೃಷಿ ಸಂಘ, ಅನುಭವಿ ಹಾಗೂ ಅನುಭವಿ ಮಂಡಳಿ ನಿರ್ಮಿಸುವ, ಅನುಭವಿ ಸಂಘಗಳನ್ನು ಸಹಾಯ ಮಾಡುವ ಕಾರ್ಯಗಳನ್ನು ನಿರ್ದೇಶನ ಅನುಮತಿಯನ್ನು ಪಡೆದು ಮಾಡಬೇಕು.
- (3) ಪ್ರಚಾರ ಕಾರ್ಯ ನಿರ್ದೇಶನ ಅನುಮತಿಯನ್ನು ಪಡೆದು ಮಾಡಬೇಕು.
- (4) ಅನುಭವಿ ಅಧಿಕಾರಿಗಳನ್ನು ನಿಯೋಜಿಸುವ ಮತ್ತು ಇತರ ವಿಷಯಗಳನ್ನು ನಿರ್ದೇಶನ ಅನುಮತಿಯನ್ನು ಪಡೆದು ಮಾಡಬೇಕು.

ನಿರ್ದೇಶನ ಅನುಮತಿಯನ್ನು ಪಡೆದು ಮಾಡಬೇಕು.

ಅಧ್ಯಕ್ಷರು,  
 ಅನುಭವಿ ಸಂಘ,  
 (ನಿರ್ದೇಶನ ಅನುಮತಿಯನ್ನು ಪಡೆದು ಮಾಡಬೇಕು)  
 ಸರ್ಕಾರ ಅಧಿಕಾರಿಗಳ ಕಛೇರಿ,  
 ನಿರ್ದೇಶನ ಅಧಿಕಾರಿ,  
 (ನಿರ್ದೇಶನ ಅನುಮತಿಯನ್ನು ಪಡೆದು ಮಾಡಬೇಕು)

ನಿರ್ದೇಶನ ಅನುಮತಿಯನ್ನು ಪಡೆದು ಮಾಡಬೇಕು.



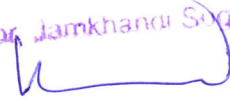
# JAMKHANDI SUGARSL LTD , HIREPADASALAGI

DATE : 11/11/2019

## PRODUCTION from first Molasses REPORT April 2019 to Sep- 2019

Monthly	RS	ENA	IS	ETHANOL	TOTAL
Apr-19	71033	1460242	123420	0	1654695
May-19	35873	1531905	137790	0	1705568
Jun-19	33916	1256352	105886	5669	1401823
Jul-19	105368	1446673	124871	0	1676912
Aug-19	70442	826040	83515	7098	987095
Sep-19	0	0	0	0	0
<b>Total</b>	316632	6521212	575482	12767	7426093



For Jamkhandi Sugars Limited  
  
Managing Director



**6(iii) Green Belt**

About 35.3% of total area, 53 Acres is reserved for green belt development. Green belt will be developed according to CPCB guidelines. Plants of various local predominant species will be planted in the plant and peripheral areas. The list of trees species for the Green Belt Development is given in the below Table:

**Table 6.1: List of tree species in existing premises**

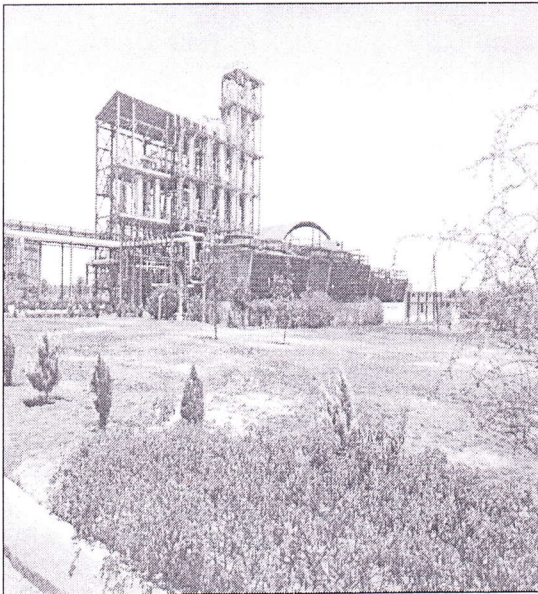
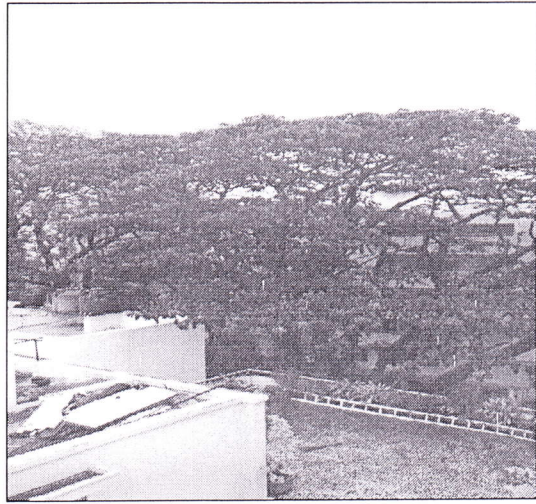
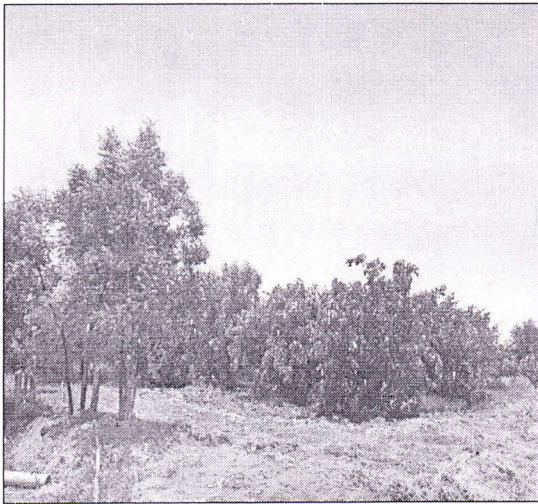
Sl no	Tree species	Botanical name	No. of trees
1	Neem	<i>Azadirachta indica</i>	200
2	Tamarind	<i>Tamarindus indica</i>	200
3	Asoka	<i>Saraca asoca</i>	500
4	Peepal	<i>Ficus religiosa</i>	200
5	Champak	<i>Michelia</i>	50
6	Almond	<i>Prunus dulcis</i>	500
	<b>Total</b>		1650



For Jamkhandi Sugars Limited

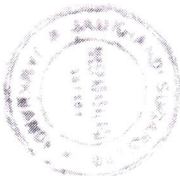
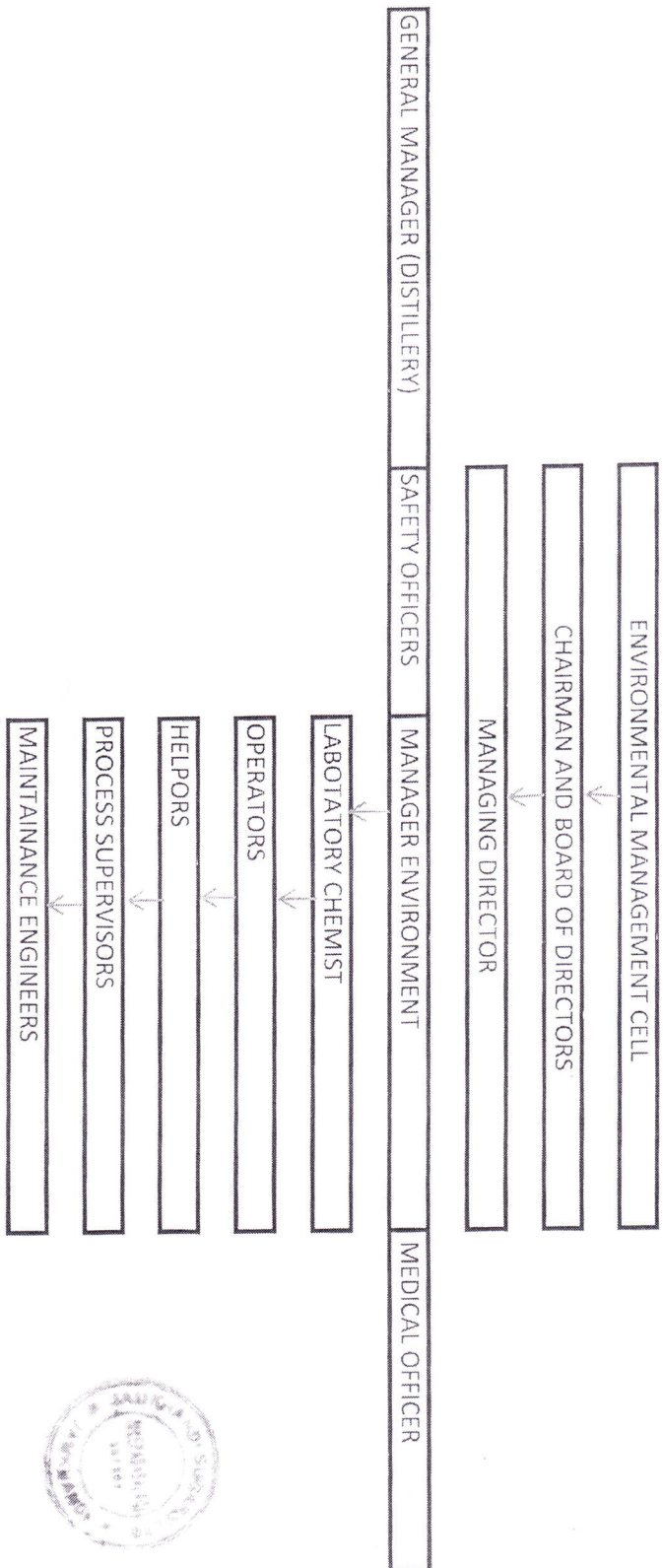
Managing Director

Green Belt Area





# JAMKHANDI SUGARS LTD, (DISTILLERY DIVISION) HIREPADASALAGI,



For, Jamkhandi Sugars Limited

Managing Director



April - 2019



# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 and Accredited by NABL (Cert. No. T7207)

(Certified by ISO 14001-2015, OHSAS18001-2007, ISO 9001-2015)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 08392-255169,

E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/16/03

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: TC720719000006167F

Issued Date: 19.04.2019

- |  |   |   |
|--|---|---|
| 1. Name of the Project                 | : | M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)<br>At: Hirepadasalagi, Post: Naganur - 587301,<br>Tq: Jamkhandi, Dist: Bagalkot |
| 2. Name of the location                | : | Near Main Gate  |
| 3. Sample Collected By                 | : | MSV Analytical Laboratories   |
| 4. Particulars of the sample collected | : | Sample collected with RDS 460BL/Fine Particulate Sampler  |
| 5. Date of Sample Receipt              | : | 15.04.2019  |
| 6. Analysis Starting Date              | : | 16.04.2019  |
| 7. Analysis Completion Date            | : | 19.04.2019  |
| 8. Sample Tested as Received           | : |   |

### RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23) - 2006	µg/m <sup>3</sup>	8 hrs	83.4	100
2	Particulate Matter PM <sub>2.5</sub>	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	µg/m <sup>3</sup>	8 hrs	40.1	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2) - 2001	µg/m <sup>3</sup>	8 hrs	4.7	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6) - 2006	µg/m <sup>3</sup>	8 hrs	10.1	80

INFERENCE	As per NAAQ Standards Report Status :- The analyzed value for above measured parameter is within the limits
-----------	--

Verified by

*Rwe*



Authorized Signature

*Dange*

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water samples will destroyed after 10days. Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.

3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary Jurisdiction only.

5. Sampling is not done by us unless otherwise specified. 6. The tests and/or calibrations marked with an are not accredited by NABL.



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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 08392-255169,

E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/16/03

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: TC720719000006168F

Issued Date: 19.04.2019

- M/s. Jamakhandi Sugars Ltd. (Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Name of the Project : M/s. Jamakhandi Sugars Ltd. (Distillery Unit)
  - Name of the location : At: Hirepadasalagi, Post: Naganur - 587301, Tq: Jamkhandi, Dist: Bagalkot
  - Name of the location : Near Laboratory
  - Sample Collected By : MSV Analytical Laboratories
  - Particulars of the sample collected : Sample collected with RDS 460BL/Fine Particulate Sampler
  - Date of Sample Receipt : 15.04.2019
  - Analysis Starting Date : 16.04.2019
  - Analysis Completion Date : 19.04.2019
  - Sample Tested as Received

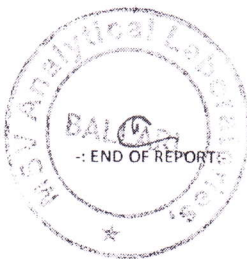
## RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM10	IS-5182(Part-23) - 2006	$\mu\text{g}/\text{m}^3$	8 hrs	71.9	100
2	Particulate Matter PM2.5	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	$\mu\text{g}/\text{m}^3$	8 hrs	30.5	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2) - 2001	$\mu\text{g}/\text{m}^3$	8 hrs	4.1	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6) - 2006	$\mu\text{g}/\text{m}^3$	8 hrs	9.4	80

INFERENCE	As per NAAQ Standards Report Status :- The analyzed value for above measured parameter is within the limits
-----------	--

Verified by

Authorized Signature



- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water samples will be destroyed after 10 days. Filter papers & Thimbles will be destroyed 3 months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.  
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4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary Jurisdiction only.  
5. Sampling is not done by us unless otherwise specified. 6. The tests and/or calibrations marked with an asterisk are not accredited by NABL.

May - 2019



# MSV Analytical Laboratories

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(Certified by ISO 14001-2015, OHSAS18001-2007, ISO 9001-2015)

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 08392-255169,

E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvbellary.com

MSVAL/A/F/16/03

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: TC720719000008309F

Issued Date: 24.05.2019

- M/s. Jamkhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
1. Name of the Project : M/s. Jamkhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
  2. Name of the location : Near Main Gate
  3. Sample Collected By : MSV Analytical Laboratories
  4. Particulars of the sample collected : Sample collected with RDS 460BL/Fine Particulate Sampler
  5. Date of Sample Receipt : 20.05.2019
  6. Analysis Starting Date : 21.05.2019
  7. Analysis Completion Date : 24.05.2019
  8. Sample Tested as Received

### RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23) – 2006	µg/m <sup>3</sup>	8 hrs	87.2	100
2	Particulate Matter PM <sub>2.5</sub>	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	µg/m <sup>3</sup>	8 hrs	46.8	60
3	Sulphur Dioxide as SO <sub>2</sub>	IS-5182(Part-2) – 2001	µg/m <sup>3</sup>	8 hrs	4.5	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6) - 2006	µg/m <sup>3</sup>	8 hrs	9.9	80

INFERENCE	As per NAAQ Standards Report Status :- The analyzed value for above measured parameter is within the limits
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Verified by

Authorized Signature



- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water samples will be destroyed after 10 days, Filter papers & Thimbles will be destroyed 3 months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.  
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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 08392-255169,  
E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvlabellary.com

MSVAL/A/F/16/03

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: TC720719000008310F

Issued Date: 24.05.2019

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
2. Name of the location : Near Laboratory
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of the sample collected : Sample collected with RDS 460BL/Fine Particulate Sampler
5. Date of Sample Receipt : 20.05.2019
6. Analysis Starting Date : 21.05.2019
7. Analysis Completion Date : 24.05.2019
8. Sample Tested as Received

### RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM10	IS-5182(Part-23) – 2006	µg/m <sup>3</sup>	8 hrs	69.8	100
2	Particulate Matter PM2.5	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	µg/m <sup>3</sup>	8 hrs	31.0	60
3	Sulphur Dioxide as SOx	IS-5182(Part-2) – 2001	µg/m <sup>3</sup>	8 hrs	4.2	80
4	Oxides of Nitrogen as NOx	IS-5182(Part-6) - 2006	µg/m <sup>3</sup>	8 hrs	9.7	80

INFERENCE	As per NAAQ Standards Report Status :- The analyzed value for above measured parameter is within the limits
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Verified by

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Authorized Signature

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- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.  
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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/16/03

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: TC720719000009708F

Issued Date: 17.06.2019

- M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)**  
**At: Hirepadasalagi, Post: Naganur - 587301,**  
**Tq: Jamkhandi, Dist: Bagalkot**
- Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)
  - Name of the location : At: Hirepadasalagi, Post: Naganur - 587301,
  - Sample Collected By : Tq: Jamkhandi, Dist: Bagalkot
  - Particulars of the sample collected : Near Main Gate
  - Date of Sample Receipt : MSV Analytical Laboratories
  - Analysis Starting Date : Sample collected with RDS 460BL/Fine Particulate Sampler
  - Analysis Completion Date : 13.06.2019
  - Sample Tested as Received : 14.06.2019
  - : 17.06.2019

## RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23) – 2006	µg/m <sup>3</sup>	8 hrs	85.03	100
2	Particulate Matter PM <sub>2.5</sub>	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	µg/m <sup>3</sup>	8 hrs	41.3	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2) – 2001	µg/m <sup>3</sup>	8 hrs	4.6	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6) - 2006	µg/m <sup>3</sup>	8 hrs	9.8	80

INFERENCE	As per NAAQ Standards Report Status :- The analyzed value for above measured parameter is within the limits
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Verified by

*Rana*

Authorized Signature

*King...*



- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.  
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# MSV Analytical Laboratories

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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/16/03

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: TC720719000009709F

Issued Date: 17.06.2019

- M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
  - Name of the location : Near Evaporation Section
  - Sample Collected By : MSV Analytical Laboratories
  - Particulars of the sample collected : Sample collected with RDS 460BL/Fine Particulate Sampler
  - Date of Sample Receipt : 13.06.2019
  - Analysis Starting Date : 14.06.2019
  - Analysis Completion Date : 17.06.2019
  - Sample Tested as Received

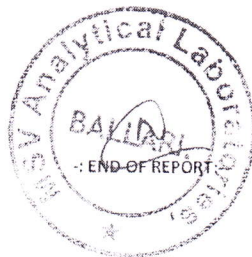
## RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM10	IS-5182(Part-23) – 2006	µg/m <sup>3</sup>	8 hrs	78.17	100
2	Particulate Matter PM2.5	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	µg/m <sup>3</sup>	8 hrs	34.9	60
3	Sulphur Dioxide as SOx	IS-5182(Part-2) – 2001	µg/m <sup>3</sup>	8 hrs	4.9	80
4	Oxides of Nitrogen as NOx	IS-5182(Part-6) - 2006	µg/m <sup>3</sup>	8 hrs	9.3	80

INFERENCE	As per NAAQ Standards Report Status :- The analyzed value for above measured parameter is within the limits
-----------	--

Verified by

*R. Srinivas*



Authorized Signature

*K. Srinivas*

- Note: 1. The results listed only to the tested samples & applicable parameters  
2. Water samples will be destroyed after 10 days, Filter papers & Thimbles will be destroyed 3 months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.  
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.  
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July-2019



# MSV Analytical Laboratories

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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/16/03

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: TC720719000012169F

Issued Date: 26.07.2019

- M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)
  2. Name of the location : At: Hirepadasalagi, Post: Naganur - 587301,
  3. Sample Collected By : Tq: Jamkhandi, Dist: Bagalkot
  4. Particulars of the sample collected : Near Main Gate
  5. Date of Sample Receipt : MSV Analytical Laboratories
  6. Analysis Starting Date : Sample collected with RDS 460BL/Fine Particulate
  7. Analysis Completion Date : Sampler
  8. Sample Tested as Received : 22.07.2019

### RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23) – 2006	µg/m <sup>3</sup>	8 hrs	66.6	100
2	Particulate Matter PM <sub>2.5</sub>	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	µg/m <sup>3</sup>	8 hrs	23.5	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2) – 2001	µg/m <sup>3</sup>	8 hrs	4.7	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6) - 2006	µg/m <sup>3</sup>	8 hrs	9.9	80

INFERENCE	As per NAAQ Standards Report Status :- The analyzed value for above measured parameter is within the limits
-----------	--

Verified by  
*[Signature]*

Authorized Signature  
*[Signature]*



Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water samples will destroyed after 10days. Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.  
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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/16/03

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: TC720719000012170F

Issued Date: 26.07.2019

1. Name of the Project	:	M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)
2. Name of the location	:	At: Hirepadasalagi, Post: Naganur - 587301,
3. Sample Collected By	:	Tq: Jamkhandi, Dist: Bagalkot
4. Particulars of the sample collected	:	Near CPU Unit
5. Date of Sample Receipt	:	MSV Analytical Laboratories
6. Analysis Starting Date	:	Sample collected with RDS 460BL/Fine Particulate
7. Analysis Completion Date	:	Sampler
8. Sample Tested as Received	:	22.07.2019
	:	23.07.2019
	:	26.07.2019

### RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM10	IS-5182(Part-23) - 2006	µg/m <sup>3</sup>	8 hrs	56.5	100
2	Particulate Matter PM2.5	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	µg/m <sup>3</sup>	8 hrs	28.9	60
3	Sulphur Dioxide as SOx	IS-5182(Part-2) - 2001	µg/m <sup>3</sup>	8 hrs	4.2	80
4	Oxides of Nitrogen as NOx	IS-5182(Part-6) - 2006	µg/m <sup>3</sup>	8 hrs	9.7	80

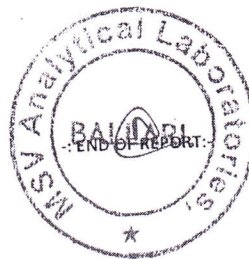
INFERENCE	As per NAAQ Standards Report Status :- The analyzed value for above measured parameter is within the limits
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Verified by

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Authorized Signature

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Note : 1. The results listed only to the tested samples & applicable parameters.  
2. Water samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.  
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4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary Jurisdiction only.  
5. Sampling is not done by us unless otherwise specified. 6. The tests and/or calibrations marked with an are not accredited by NABL.





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(Certified by ISO 14001-2015, OHSAS18001-2007, ISO 9001-2015)  
C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 08392-255169,  
E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvlabellary.com

MSVAL/A/F/16/03

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: TC720719000012171F

Issued Date: 26.07.2019

		<b>M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)</b>
1. Name of the Project	:	<b>At: Hirepadasalagi, Post: Naganur - 587301,</b>
		<b>Tq: Jamkhandi, Dist: Bagalkot</b>
2. Name of the location	:	Near Final Storage
3. Sample Collected By	:	MSV Analytical Laboratories
4. Particulars of the sample collected	:	Sample collected with RDS 460BL/Fine Particulate Sampler
5. Date of Sample Receipt	:	22.07.2019
6. Analysis Starting Date	:	23.07.2019
7. Analysis Completion Date	:	26.07.2019
8. Sample Tested as Received	:	

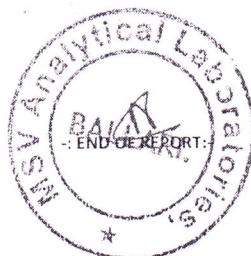
## RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM10	IS-5182(Part-23) – 2006	µg/m <sup>3</sup>	8 hrs	51.8	100
2	Particulate Matter PM2.5	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	µg/m <sup>3</sup>	8 hrs	25.1	60
3	Sulphur Dioxide as SOx	IS-5182(Part-2) – 2001	µg/m <sup>3</sup>	8 hrs	4.1	80
4	Oxides of Nitrogen as NOx	IS-5182(Part-6) - 2006	µg/m <sup>3</sup>	8 hrs	9.5	80

INFERENCE	As per NAAQ Standards
	Report Status :- The analyzed value for above measured parameter is within the limits

Verified by

Authorized Signature



Note : 1. The results listed only to the tested samples & applicable parameters.  
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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/16/03

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: TC720719000014406F

Issued Date: 04.09.2019

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
2. Name of the location : At: Hirepadasalagi, Post: Naganur - 587301,  
3. Sample Collected By : Tq: Jamkhandi, Dist: Bagalkot  
4. Particulars of the sample collected : Near Main Gate  
5. Date of Sample Receipt : MSV Analytical Laboratories  
6. Analysis Starting Date : Sample collected with RDS 460BL/Fine Particulate  
7. Analysis Completion Date : Sampler  
8. Sample Tested as Received : 28.08.2019  
29.08.2019  
04.09.2019

## RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23) - 2006	µg/m <sup>3</sup>	8 hrs	76.8	100
2	Particulate Matter PM <sub>2.5</sub>	LAB SOP: MSVAL/SOP/A/05, Dt. 2.7.2012	µg/m <sup>3</sup>	8 hrs	29.5	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2) - 2001	µg/m <sup>3</sup>	8 hrs	4.8	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6) - 2006	µg/m <sup>3</sup>	8 hrs	10.1	80

INFERENCE	As per NAAQ Standards Report Status :- The analyzed value for above measured parameter is within the limits
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Verified by

*R...*

Technical Manager

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Note: 1. The results listed only to the tested samples & applicable parameters.  
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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/16/03

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: TC720719000014407F

Issued Date: 04.09.2019

1. Name of the Project	:	M/s. Jamkhandi Sugars Ltd.,(Distillery Unit) At: Hirepadasalagi, Post: Naganur - 587301, Tq: Jamkhandi, Dist: Bagalkot
2. Name of the location	:	Near CPU Unit
3. Sample Collected By	:	MSV Analytical Laboratories
4. Particulars of the sample collected	:	Sample collected with RDS 460BL/Fine Particulate Sampler
5. Date of Sample Receipt	:	28.08.2019
6. Analysis Starting Date	:	29.08.2019
7. Analysis Completion Date	:	04.09.2019
8. Sample Tested as Received	:	

## RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM10	IS-5182(Part-23) - 2006	µg/m <sup>3</sup>	8 hrs	82.1	100
2	Particulate Matter PM2.5	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	µg/m <sup>3</sup>	8 hrs	31.4	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2) - 2001	µg/m <sup>3</sup>	8 hrs	4.5	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6) - 2006	µg/m <sup>3</sup>	8 hrs	9.3	80

INFERENCE	As per NAAQ Standards Report Status :- The analyzed value for above measured parameter is within the limits
-----------	--

Verified by

Technical Manager



- Note: 1. The results listed only to the tested samples & applicable parameters.  
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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/18/03

## ANALYSIS REPORT FOR SOURCE EMISSION

Test Report No: TC720719000006175F

Issued Date: 19.04.2019

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
2. Name of the location : 22 TPH Boiler
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of the sample collected : Stack Sampler
5. Date of Sample Receipt : 15.04.2019
6. Analysis Starting Date : 16.04.2019
7. Analysis Completion Date : 19.04.2019
8. Sample Tested as Received

### GENERAL DETAILS

Date of Monitoring	15.04.2019
Fuel Used	Coal
Stack Temperature (°C)	118
Velocity (m/s)	7.31
Height (m)	80
Diameter (m)	3.5

### RESULTS

PARAMETERS	PROTOCOL	UNIT	RESULT	KSPCB STANDARDS
Particulate Matter	IS-11255(Part 1) - 1985	mg/Nm <sup>3</sup>	108.3	150
Sulphur dioxide	IS-11255(Part 2) - 1985	mg/Nm <sup>3</sup>	11.8	-
Nitrogen dioxide	IS-11255(Part 7) - 2005	mg/Nm <sup>3</sup>	21.9	-

INFERENCE	As per KSPCB Standards Report Status :- The analyzed value for above measured parameter is within the limits
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Authorized Signature

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- Note:
1. The results listed only to the tested samples & applicable parameters.
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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvlabellary.com

MSVAL/A/F/18/03

## ANALYSIS REPORT FOR SOURCE EMISSION

Test Report No: TC720719000008311F

Issued Date: 24.05.2019

- Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Name of the location : 22 TPH Boiler
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sample collected : Stack Sampler
- Date of Sample Receipt : 20.05.2019
- Analysis Starting Date : 21.05.2019
- Analysis Completion Date : 24.05.2019
- Sample Tested as Received

### GENERAL DETAILS

Date of Monitoring	20.05.2019
Fuel Used	Coal
Stack Temperature (°C)	118
Velocity (m/s)	7.51
Height (m)	80
Diameter (m)	3.5

### RESULTS

PARAMETERS	PROTOCOL	UNIT	RESULT	KSPCB STANDARDS
Particulate Matter	IS-11255(Part 1) - 1985	mg/Nm <sup>3</sup>	135.7	150
Sulphur dioxide	IS-11255(Part 2) - 1985	mg/Nm <sup>3</sup>	12.4	-
Nitrogen dioxide	IS-11255(Part 7) - 2005	mg/Nm <sup>3</sup>	23.6	-

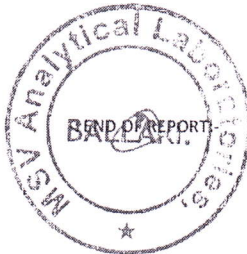
INFERENCE	As per KSPCB Standards
	Report Status :- The analyzed value for above measured parameter is within the limits

Verified by

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Authorized Signature

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- Note:
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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/18/03

## ANALYSIS REPORT FOR SOURCE EMISSION

Test Report No: TC72071900009710F

Issued Date: 17.06.2019

- Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Name of the location : 22 TPH Boiler
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sample collected : Stack Sampler
- Date of Sample Receipt : 13.06.2019
- Analysis Starting Date : 14.06.2019
- Analysis Completion Date : 17.06.2019
- Sample Tested as Received

### GENERAL DETAILS

Date of Monitoring	13.06.2019
Fuel Used	Coal
Stack Temperature (°C)	118
Velocity (m/s)	7.61
Height (m)	80
Diameter (m)	3.5

### RESULTS

PARAMETERS	PROTOCOL	UNIT	RESULT	KSPCB STANDARDS
Particulate Matter	IS-11255(Part 1) - 1985	mg/Nm <sup>3</sup>	95.67	150
Sulphur dioxide	IS-11255(Part 2) - 1985	mg/Nm <sup>3</sup>	13.5	-
Nitrogen dioxide	IS-11255(Part 7) - 2005	mg/Nm <sup>3</sup>	25.9	-

INFERENCE	As per KSPCB Standards Report Status :- The analyzed value for above measured parameter is within the limits
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MSVAL/A/F/18/03

## ANALYSIS REPORT FOR SOURCE EMISSION

Test Report No: TC720719000012172F

Issued Date: 26.07.2019

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
2. Name of the location : 22 TPH Boiler
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of the sample collected : Stack Sampler
5. Date of Sample Receipt : 22.07.2019
6. Analysis Starting Date : 23.07.2019
7. Analysis Completion Date : 26.07.2019
8. Sample Tested as Received

### GENERAL DETAILS

Date of Monitoring	22.07.2019
Fuel Used	Coal
Stack Temperature (°C)	119
Velocity (m/s)	7.90
Height (m)	80
Diameter (m)	3.5

### RESULTS

PARAMETERS	PROTOCOL	UNIT	RESULT	KSPCB STANDARDS
Particulate Matter	IS-11255(Part 1) - 1985	mg/Nm <sup>3</sup>	40.2	150
Sulphur dioxide	IS-11255(Part 2) - 1985	mg/Nm <sup>3</sup>	14.6	-
Nitrogen dioxide	IS-11255(Part 7) - 2005	mg/Nm <sup>3</sup>	24.9	-

INFERENCE	As per KSPCB Standards Report Status :- The analyzed value for above measured parameter is within the limits
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Verified by

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Authorized Signature

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- Note: 1. The results listed only to the tested samples & applicable parameters.  
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MSVAL/A/F/18/03

## ANALYSIS REPORT FOR SOURCE EMISSION

Test Report No: TC720719000014408F

Issued Date: 04.09.2019

- Name of the Project : M/s. Jamkhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Name of the location : 22 TPH Boiler
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sample collected : Stack Sampler
- Date of Sample Receipt : 28.08.2019
- Analysis Starting Date : 29.08.2019
- Analysis Completion Date : 04.09.2019
- Sample Tested as Received

### GENERAL DETAILS

Date of Monitoring	28.08.2019
Fuel Used	Coal
Stack Temperature ( $^{\circ}$ C)	118
Velocity (m/s)	7.51
Height (m)	80
Diameter (m)	3.5

### RESULTS

PARAMETERS	PROTOCOL	UNIT	RESULT	KSPCB STANDARDS
Particulate Matter	IS-11255(Part 1) - 1985	mg/Nm <sup>3</sup>	92.0	150
Sulphur dioxide	IS-11255(Part 2) - 1985	mg/Nm <sup>3</sup>	12.5	-
Nitrogen dioxide	IS-11255(Part 7) - 2005	mg/Nm <sup>3</sup>	27.2	-

INFERENCE	As per KSPCB Standards
	Report Status :- The analyzed value for above measured parameter is within the limits

Verified by

Technical Manager



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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/17/04

## NOISE LEVEL MONITORING REPORT

Test Report No: TC720719000006173F

Issued Date: 19.04.2019

- Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sample collected : Noise meter
- Date of Monitoring : 15.04.2019
- Report Date : 19.04.2019
- Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			Min in dB(A) Leq	Max in dB(A) Leq	Avg. in dB(A) Leq	
Day Time						
1	Near Main Gate	2.00pm to 2.15pm	68.4	73.5	70.9	75 (6.00am to 10.00pm)
2	Near Evaporation Section	2.35pm to 2.50pm	69.6	72.5	71.0	
3	Near Distillation Section	2.55pm to 3.10pm	71.5	73.9	72.7	
4	Near Laboratory	3.25pm to 3.35pm	64.9	68.4	66.6	
5	Near Ware House	4.00pm to 4.15pm	61.8	67.0	64.4	

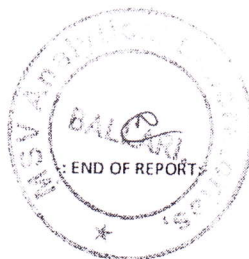
INFERENCE	As per KSPCB Standards, Report Status :- In the all locations Noise level is within the limits
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Verified by

*Rina*

Authorized Signature

*Long - and - 2*



- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water samples will destroyed after 10days. Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.  
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4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary Jurisdiction only.  
5. Sampling is not done by us unless otherwise specified 6. The tests and/or calibrations marked with an are not accredited by NABL.



# MSV Analytical Laboratories

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(Certified by ISO 14001-2015, OHSAS18001-2007, ISO 9001-2015)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 08392-255169,  
E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/17/04

## NOISE LEVEL MONITORING REPORT

Test Report No: TC720719000006174F

Issued Date: 19.04.2019

- Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sample collected : Noise meter
- Date of Monitoring : 15.04.2019
- Report Date : 19.04.2019
- Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			Min in dB(A) Leq	Max in dB(A) Leq	Avg. in dB(A) Leq	
Night Time						
1	Near Main Gate	10.20pm to 10.35pm	62.8	66.9	64.8	70 (10.00pm to 6.00am)
2	Near Evaporation Section	10.40pm to 10.55pm	60.4	63.8	62.1	
3	Near Distillation Section	11.00pm to 11.15pm	62.8	65.8	64.3	
4	Near Laboratory	11.20pm to 11.35pm	65.9	68.4	67.1	
5	Near Ware House	11.40pm to 11.55pm	62.8	67.1	64.9	

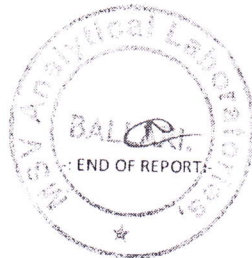
INFERENCE	As per KSPCB Standards, Report Status :- In the all locations Noise level is within the limits
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Verified by

*Rms*

Authorized Signature

*Jayaram S. S.*



- Note :
- The results listed only to the tested samples & applicable parameters.
  - Water samples will destroyed after 10days. Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvbellary.com

MSVAL/A/F/17/04

## NOISE LEVEL MONITORING REPORT

Test Report No: TC72071900008315F

Issued Date: 24.05.2019

- Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sample collected : Noise meter
- Date of Monitoring : 20.05.2019
- Report Date : 24.05.2019
- Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			Min in dB(A) Leq	Max in dB(A) Leq	Avg. in dB(A) Leq	
Day Time						
1	Near Main Gate	4.15pm to 4.30pm	60.9	63.8	62.3	75 (6.00am to 10.00pm)
2	Near Evaporation Section	4.45pm to 4.55pm	68.9	70.3	69.6	
3	Near Distillation Section	5.00pm to 5.15pm	68.3	72.8	70.5	
4	Near Laboratory	5.30pm to 5.45pm	66.9	69.8	68.3	
5	Near Ware House	6.00pm to 6.15pm	67.8	70.9	69.3	

INFERENCE	As per KSPCB Standards,
	Report Status :- In the all locations Noise level is within the limits

Verified by

*dy*

Authorized Signature

*Kingshankar*



- Note: 1 The results listed only to the tested samples & applicable parameters.  
2. Water samples will destroyed after 10days. Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.  
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MSVAL/A/F/17/04

## NOISE LEVEL MONITORING REPORT

Test Report No: TC720719000008316F

Issued Date: 24.05.2019

- Name of the Project : M/s. Jamakhandi Sugars Ltd., (Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sample collected : Noise meter
- Date of Monitoring : 20.05.2019
- Report Date : 24.05.2019
- Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			Min in dB(A) Leq	Max in dB(A) Leq	Avg. in dB(A) Leq	
Night Time						
1	Near Main Gate	10.10pm to 10.25pm	56.2	60.4	58.3	70 (10.00pm to 6.00am)
2	Near Evaporation Section	10.40pm to 10.55pm	58.9	62.8	60.8	
3	Near Distillation Section	11.00pm to 11.15pm	58.1	62.2	60.1	
4	Near Laboratory	11.20pm to 11.35pm	56.9	59.1	58.0	
5	Near Ware House	11.40pm to 11.55pm	61.4	67.4	64.4	

INFERENCE	As per KSPCB Standards, Report Status :- In the all locations Noise level is within the limits
-----------	---

Verified by

*dj*

Authorized Signature

*Jamkhandi Sugars Ltd.*



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MSVAL/A/F/17/04

## NOISE LEVEL MONITORING REPORT

Test Report No: TC720719000009714F

Issued Date: 17.06.2019

- Name of the Project : M/s. Jamkhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sample collected : Noise meter
- Date of Monitoring : 13.06.2019
- Report Date : 17.06.2019
- Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			Min in dB(A) Leq	Max in dB(A) Leq	Avg. in dB(A) Leq	
Day Time						
1	Near Main Gate	8.10am to 8.25am	61.7	66.8	64.2	75 (6.00am to 10.00pm)
2	Near Evaporation Section	8.40am to 8.55am	71.3	73.4	72.8	
3	Near Distillation Section	9.10am to 9.25am	72.1	74.1	73.1	
4	Near Laboratory	9.40am to 9.55am	64.3	69.4	66.8	
5	Near Ware House	10.10am to 10.25am	68.3	71.7	70.0	

INFERENCE	As per KSPCB Standards, Report Status :- In the all locations Noise level is within the limits
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Verified by

Authorized Signature



- Note :
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MSVAL/A/F/17/04

## NOISE LEVEL MONITORING REPORT

Test Report No: TC720719000009715F

Issued Date: 17.06.2019

- Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sample collected : Noise meter
- Date of Monitoring : 13.06.2019
- Report Date : 17.06.2019
- Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			Min in dB(A) Leq	Max in dB(A) Leq	Avg. in dB(A) Leq	
Night Time						
1	Near Main Gate	7.50pm to 8.05pm	60.5	65.1	62.8	70 (10.00pm to 6.00am)
2	Near Evaporation Section	8.15pm to 8.30pm	67.1	69.7	68.4	
3	Near Distillation Section	8.45pm to 9.00pm	61.4	67.0	64.2	
4	Near Laboratory	9.15pm to 9.30pm	63.5	66.3	64.9	
5	Near Ware House	9.45pm to 10.00pm	65.8	67.4	66.6	

INFERENCE	As per KSPCB Standards, Report Status :- In the all locations Noise level is within the limits
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Verified by

*Ravi*



Authorized Signature

*Kingar Goud*

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MSVAL/A/F/17/04

## NOISE LEVEL MONITORING REPORT

Test Report No: TC720719000012175F

Issued Date: 26.07.2019

- Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sample collected : Noise meter
- Date of Monitoring : 22.07.2019
- Report Date : 26.07.2019
- Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			Min in dB(A) Leq	Max in dB(A) Leq	Avg. in dB(A) Leq	
Day Time						
1	Near Main Gate	1.30pm to 1.45pm	58.8	60.9	59.8	75 (6.00am to 10.00pm)
2	Near Evaporation Section	1.50pm to 2.05pm	61.6	64.7	63.1	
3	Near Distillation Section	2.20pm to 2.35pm	67.5	68.4	67.9	
4	Near Laboratory	2.40pm to 2.55pm	59.2	61.9	60.5	
5	Near Ware House	3.00pm to 3.15pm	67.3	69.2	68.2	

INFERENCE	As per KSPCB Standards, Report Status :- In the all locations Noise level is within the limits
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Verified by

*dy*

Authorized Signature

*Kengam Chand. H*



- Note: 1. The results listed only to the tested samples & applicable parameters.  
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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/17/04

## NOISE LEVEL MONITORING REPORT

Test Report No: TC720719000012176F

Issued Date: 26.07.2019

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Collected By : MSV Analytical Laboratories
3. Particulars of the sample collected : Noise meter
4. Date of Monitoring : 22.07.2019
5. Report Date : 26.07.2019
6. Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			Min in dB(A) Leq	Max in dB(A) Leq	Avg. in dB(A) Leq	
Night Time						
1	Near Main Gate	10.30pm to 10.45pm	57.9	59.4	58.6	70 (10.00pm to 6.00am)
2	Near Evaporation Section	10.50pm to 11.05pm	59.8	61.6	60.7	
3	Near Distillation Section	11.10pm to 11.25pm	64.5	66.3	65.4	
4	Near Laboratory	11.30pm to 11.45pm	57.8	59.9	58.8	
5	Near Ware House	12.05am to 12.20pm	65.9	67.7	66.8	

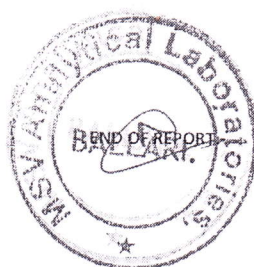
INFERENCE	As per KSPCB Standards, Report Status :- In the all locations Noise level is within the limits
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Verified by

*dy*

Authorized Signature

*Kanganur*



- Note: 1. The results listed only to the tested samples & applicable parameters,  
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E mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/17/04

## NOISE LEVEL MONITORING REPORT

Test Report No: TC720719000014413F

Issued Date: 04.09.2019

- Name of the Project : M/s. Jamakhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sample collected : Noise meter
- Date of Monitoring : 28.08.2019
- Report Date : 04.09.2019
- Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			Min in dB(A) Leq	Max in dB(A) Leq	Avg. in dB(A) Leq	
Day Time						
1	Near Main Gate	04.00pm to 04.15pm	65.8	68.4	67.1	75 (6.00am to 10.00pm)
2	Near Evaporation Section	04.30pm to 04.45pm	70.9	72.8	71.8	
3	Near Distillation Section	04.50pm to 05.05pm	71.3	73.2	72.2	
4	Near Laboratory	05.10pm to 05.25pm	68.4	70.3	69.3	
5	Near Ware House	05.30pm to 05.45pm	67.8	69.9	68.8	

INFERENCE	As per KSPCB Standards, Report Status :- In the all locations Noise level is within the limits
-----------	---

Verified by

Technical Manager



- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.  
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MSVAL/A/F/17/04

## NOISE LEVEL MONITORING REPORT

Test Report No: TC720719000014414F

Issued Date: 04.09.2019

- Name of the Project : M/s. Jamkhandi Sugars Ltd.,(Distillery Unit)  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sample collected : Noise meter
- Date of Monitoring : 28.08.2019
- Report Date : 04.09.2019
- Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			Min in dB(A) Leq	Max in dB(A) Leq	Avg. in dB(A) Leq	
Night Time						
1	Near Main Gate	10.00pm to 10.15pm	63.8	67.2	65.5	70 (10.00pm to 6.00am)
2	Near Evaporation Section	10.20pm to 10.35pm	66.2	68.9	67.5	
3	Near Distillation Section	10.40pm to 10.55pm	67.3	69.1	68.2	
4	Near Laboratory	11.00pm to 11.15pm	64.2	68.4	66.3	
5	Near Ware House	11.20pm to 11.35pm	65.8	63.2	64.5	

INFERENCE	As per KSPCB Standards, Report Status :- In the all locations Noise level is within the limits
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Verified by

Technical Manager



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5. Sampling is not done by us unless otherwise specified. 6. The tests and/or calibrations marked with an are not accredited by NABL.





# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 and Accredited by NABL (Cert. No. T7207)

(Certified by ISO 14001-2015, OHSAS18001-2007, ISO 9001-2015)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 08392-255169,

E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/18/03

## ANALYSIS REPORT OF WATER QUALITY

Test Report No: TC720719000006172F

Issued Date: 19.04.2019

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Type : Krishna River Water
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of Sample : Grab sample
5. Sample description/condition : Good/Satisfactory
6. Date of sample Receipt : 15.04.2019
7. Analysis Starting date : 16.04.2019
8. Analysis Completion Date : 19.04.2019
9. Sample Tested as Received :

## RESULTS

S.No	Parameters	Protocol	Unit	Result	IS 10500-2012	
					Acceptable Limit	Permissible limit
1	Colour, Max	IS: 3025 (Part 4) - 1983 (RA:2017)	Hazen Units	BDL	5	15
2	Total dissolved solids, Max	APHA 23 <sup>rd</sup> Edition-2017,2540 C	mg/L	1940.0	500	2000
3	pH @ 25 <sup>o</sup> C	APHA 23 <sup>rd</sup> Edition-2017,4500 H+	-	7.30	6.5 - 8.5	6.5 - 8.5
4	Total Alkalinity as CaCO <sub>3</sub> , Max	APHA 23 <sup>rd</sup> EDITION-2017, 2320 B	mg/L	220.0	200	600
5	Total Hardness as CaCO <sub>3</sub> , Max	APHA 23 <sup>rd</sup> EDITION-2017, 2340 C	mg/L	585.3	200	600
6	Nitrate Nitrogen (as NO <sub>3</sub> N), Max	APHA 23 <sup>rd</sup> EDITION-2017, 4500 NO <sub>3</sub>	mg/L	5.3	45	No relaxation
7	Chloride (as Cl), Max	APHA 23 <sup>rd</sup> EDITION-2017, 4500-Cl <sup>-</sup> ,B	mg/L	363.8	250	1000
8	Sulphate (as SO <sub>4</sub> ), Max	APHA 23 <sup>rd</sup> EDITION-2017, 4500 So <sub>4</sub>	mg/L	166.0	200	400
9	Calcium (as Ca), Max	APHA 23 <sup>rd</sup> EDITION-2017, 3500 Ca <sup>+</sup> ,B	mg/L	89.7	75	200
10	Magnesium (as Mg), Max	APHA 23 <sup>rd</sup> EDITION-2017, 3500-Mg, B	mg/L	70.6	30	100
11	Fluoride (as F), Max	APHA 23 <sup>rd</sup> EDITION-2017, 4500-F,D	mg/L	0.5	1.0	1.5
12	Iron (as Fe), Max	APHA 23 <sup>rd</sup> EDITION-2017, 3500-Fe <sup>+</sup> ,B	mg/L	BDL	1.0	No relaxation
13	Turbidity, Max	APHA 23 <sup>rd</sup> EDITION-2017, 2530 B	NTU	0.64	1	5
<b>Bacteriological Parameters</b>					<b>REQUIREMENT</b>	
14	Total coliforms	IS : 1622-1981 (Reaffirmed 2014)	MPN/100ml	ND	ND	
15	Fecal Coliforms	IS : 1622-1981 (Reaffirmed 2014)	MPN/100ml	ND	ND	

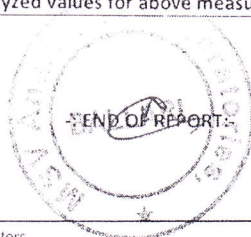
BDL - Below Detectable Limit, (Colour- <1 Hazen Units, Iron-0.05mg/L), ND - Not Detected IN 100ml Sample

INFERENCE

As per IS 10500:2012 Standards,

Report Status: - The analyzed values for above measured parameters are within the limits.

Verified by



Authorized Signature

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water samples will be destroyed after 10 days. Filter papers & Thimbles will be destroyed 3 months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.

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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/18/03

## ANALYSIS REPORT OF WATER QUALITY

Test Report No: TC720719000014411F

Issued Date: 04.09.2019

- Name of the Project : M/s. Jamakhandi Sugars Ltd.,  
At: Hirepadasalagi, Post: Naganur - 587301,  
Tq: Jamkhandi, Dist: Bagalkot
- Sample Type : River Water
- Sample Collected By : MSV Analytical Laboratories
- Particulars of Sample : Grab sample
- Sample description/condition : Good/Satisfactory
- Date of sample Receipt : 28.08.2019
- Analysis Starting date : 28.08.2019
- Analysis Completion Date : 04.09.2019
- Sample Tested as Received :

## RESULTS

S.No	Parameters	Protocol	Unit	Result	IS 10500-2012	
					Acceptable Limit	Permissible limit
1	Colour, Max	IS: 3025 (Part 4) - 1983 (RA:2017)	Hazen Units	BDL	5	15
2	Total dissolved solids, Max	APHA 23 <sup>rd</sup> Edition-2017,2540 C	mg/L	102.0	500	2000
3	pH @ 25 <sup>o</sup> C	APHA 23 <sup>rd</sup> Edition-2017,4500 H+	-	7.01	6.5 - 8.5	6.5 - 8.5
4	Total Alkalinity as CaCO <sub>3</sub> , Max	APHA 23 <sup>rd</sup> EDITION-2017, 2320 B	mg/L	32.0	200	600
5	Total Hardness as CaCO <sub>3</sub> , Max	APHA 23 <sup>rd</sup> EDITION-2017, 2340 C	mg/L	46.9	200	600
6	Nitrate Nitrogen (as NO <sub>3</sub> N), Max	APHA 23 <sup>rd</sup> EDITION-2017, 4500 NO <sub>3</sub>	mg/L	1.8	45	No relaxation
7	Chloride (as Cl), Max	APHA 23 <sup>rd</sup> EDITION-2017, 4500-Cl ,B	mg/L	17.9	250	1000
8	Sulphate (as SO <sub>4</sub> ), Max	APHA 23 <sup>rd</sup> EDITION-2017, 4500 So <sub>4</sub>	mg/L	3.6	200	400
9	Calcium (as Ca), Max	APHA 23 <sup>rd</sup> EDITION-2017, 3500 Ca ,B	mg/L	13.0	75	200
10	Magnesium (as Mg), Max	APHA 23 <sup>rd</sup> EDITION-2017, 3500-Mg, B	mg/L	3.4	30	100
11	Fluoride (as F), Max	APHA 23 <sup>rd</sup> EDITION-2017, 4500-F,D	mg/L	0.04	1.0	1.5
12	Iron (as Fe), Max	APHA 23 <sup>rd</sup> EDITION-2017, 3500-Fe ,B	mg/L	BDL	1.0	No relaxation
13	Turbidity, Max	APHA 23 <sup>rd</sup> EDITION-2017, 2530 B	NTU	0.2	1	5
<b>Bacteriological Parameters</b>					<b>REQUIREMENT</b>	
14	Total coliforms	IS : 1622-1981 (Reaffirmed 2014)	MPN/100ml	ND	ND	
15	Fecal Coliforms	IS : 1622-1981 (Reaffirmed 2014)	MPN/100ml	ND	ND	

BDL - Below Detectable Limit, (Colour- <1 Hazen Units, Iron- <0.05mg/L), ND - Not Detected IN 100ml Sample

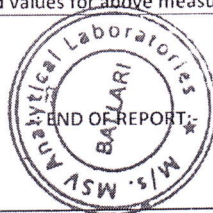
### INFERENCE

As per IS 10500:2012 Standards,

Report Status: - The analyzed values for above measured parameters are within the limits.

Verified by

Technical Manager



- Note: 1. The results listed only to the tested samples & applicable parameters.  
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