



01136

SHREE BASAVESHWAR SUGARS LIMITED

Ref: SBSL/HR/EC/2021-22/ 31

Date: 18.01.2022.

To,
The Additional Principal Chief Conservator of Forest (C),
Ministry of Environment, Forests & Climate Change,
Kendriyasadan, 4th Floor, E&F Wing, Koramangala,
Bangalore-560034.

Sir,

Sub: Submission of Half Yearly Compliance Report-reg.
Ref: 1.Environment Clarence F.No.J-11011/57/2012-IA II(I).

With reference to the above subject, we have enclosed herewith half yearly compliance report as on 30.09.2021 of Environment Clearance issued to our sugar factory.

Kindly accept the same.

Thanking You,

Regards,

For Shree Basaveshwar Sugars Ltd.,

Authorized Signatory.



Copy to:-The Environmental Officer,
Regional Office,
Vijayapura.

Register Office : No.6 Managuli Road, Ganesh Nagar, Vijayapur- 586 109. Karnataka

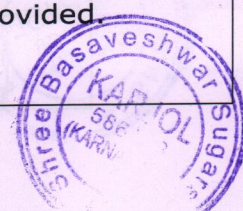
Factory : NH-218, Karjol-Village. Tq.Dist : Vijayapur- 586 108. Karnataka Ph : 08426-289111

SHREE BASAVESHWAR SUGARS LTD, KARJOL VILLAGE, TQ&DT-VIJAYAPUR

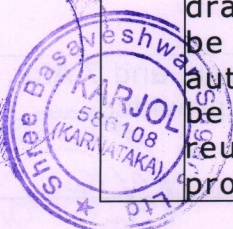
Half Yearly Environmental Clearance (EC) Conditions Compliance Report as on 30-09-2021

A. Specific Conditions.

Sl. No	Conditions	Compliance
01	Environment clearance accorded is for Molasses based distillery unit (50KLPD) only and no grain based distillery unit shall be operated without prior permission from the ministry.	Distillery yet to be installed
02	<ol style="list-style-type: none">1) ESP along with stack of adequate height should be provided to bagasse/agro waste/coal fired boiler (130 TPH) to control particulate emission within 50 mg/Nm³2) Bag filter should be provided to biomass/concentrated spent wash fired boiler (18TPH). At no time, the emission levels should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency.	<p>130 TPH boiler: ESP & 82 m stack height provided to control emission within 50 mg/Nm³</p> <p>Distillery yet to be installed</p>
03	<ol style="list-style-type: none">1) In plant, control measures for checking fugitive emission from all the vulnerable sources shall be provided.2) Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials,3) Multi cyclone separator and water sprinkling system shall be provided at loading and unloading areas to control dust emissions.4) Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records shall be maintained.5) The emissions shall confirm to the limits prescribed by Karnataka state pollution control board (KSPCB).	<ol style="list-style-type: none">1) The conveyors of bagasse, sugar grader, sugar drier, boiler ash, covered with hood to control fugitive emissions2) RAV/Mechanical dust collecting system provided with closed screw conveyor along with water spray.3) It is being followed.4) It is being followed & Within Limits of KSPCB. Enclosed analysis report for your information.
04	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	15 mtr AGL M S stack, and 7 ARL, Acoustic Enclosure provided.



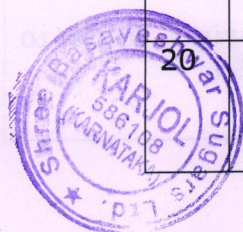
	to mitigate the noise pollution.	
05	<p>1) The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically.</p> <p>2) It shall simultaneously be sent to the Regional Office of MOEF, the respective zonal office of CPCB and the KSPCB. The levels of PM₁₀, PM_{2.5}, SO₂, NO_x, CO and HC (Methane) in ambient air shall be monitored and displayed at a covenant location near the main gate of the company and at important public places.</p>	<p>Website design is under process and very soon compliance will be uploaded on our website.</p> <p>Will be followed.</p>
06	<p>1) 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</p> <p>2) 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; and green belt development with suitable plantation in and around the treatment units to mitigate odour from the distillery unit.</p>	<p>Distillery yet to be installed</p> <p>ETP installed and successfully operating.</p>
07	Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery to avoid fugitive emissions.	Provided
08	Total fresh water requirement from Krishna River/Almatti reservoir for - distillery and sugar along with cogeneration should not exceed 500m ³ /day and 1150 m ³ /day respectively. Prior permission for the drawl of 1650 m ³ /day water should be obtained from the concerned authority. Water consumption should be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.	<p>1) Distillery yet to be installed</p> <p>2) Krishna River water 1139 M³/day required for Sugar & co-generation</p> <p>3) Stabled for Excess condensate reused for process.</p>



09	The spent wash from molasses based distillery should be treated in bio-methanation followed by evaporation. Concentrated spent wash should be mixed with bagasse/biomass and then burnt as fuel in boiler to achieve 'Zero' discharge. Multi- effect evaporator should be installed The plant effluents consisting of washings, lees water and cooling water purge shall be treated in ETP No effluent shall be discharged outside the plant premises and 'Zero' effluent discharge condition shall be maintained. Spent wash shall be stored in impervious pucca lagoons with proper lining with HOPE and shall be kept in proper condition to prevent ground water pollution The storage of spent wash shall not exceed 5 days capacity.	Distillery yet to be installed
10	Waste water generation from the sugar unit shall not exceed 100 liters per tonne of cane crushed i.e. 350 m ³ /day Effluent from sugar unit shall be treated in the effluent treatment plant (ETP) Water quality of treated effluent shall be monitored regularly In any case, no wastewater/treated effluent shall be discharged into river/natural stream Domestic effluent shall be treated in treatment plant.	<p>1) The waste water generation is normally less than 100 lits/ton of cane crushing and it is well within the norms.</p> <p>2) We are installed ETP capacity is 1500 m³/day</p> <p>3) Treated water is used for irrigation & gardening in factory premises</p>
11	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry_ The ground water quality monitoring for pH BOD, COD, Chloride, Sulphate and total dissolved solids shall 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.	Two No's of bore wells are provided at our factory premises to monitor the ground water.
12	Process effluent/any wastewater shall not be allowed to mix with storm water Storm water drain shall be passed through guard pond.	Effluent water is handled in closed pipe line.
13	Bagasse storage shall be done in such a way that it does not get air borne or fly around due to wind. Fly ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becommg 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	<p>Bagasse conveyors are already provided with metal sheet (hood). We are putting shade nets to control the flying of bagasse.</p> <p>We have planted wind trees to avoid flying of bagasse.</p>



	shall be avoided.	
14	Boiler 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.	We directly dispatch boiler ash to bricks manufacturer.
15	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 firefighting shall be made to control fire from the alcohol storage tank.	Distillery yet to be installed.
16	Risk Assessment should 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.	Distillery yet to be installed.
17	Occupational health surveillance programme should be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre should be strengthened and the regular medical test records of each employee should be maintained separately.	Following continuously & training under progress.
18	Dedicated parking facility for loading and unloading of material 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.	Parking facility is provided for loading and unloading of material in the factory premises. Traffic Management System is continuously following.
19	As proposed, green belt over 33% of the total project area should be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	Planted around 35 acres of land around the factory premise at boarder of cane yard, bagasse yard and both side of interior roads in the premises.
20	All the commitments made during the Public Hearing <i>I</i> Public Consultation meeting held on 25 th May, 2013 should	Will be followed.

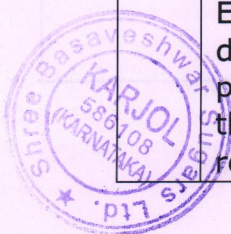


	be satisfactorily implemented and adequate budget provision should be made accordingly.	
21	As proposed, an amount of Rs. 20 crores should be earmarked towards the Enterprise Social Commitment (ESC) for the Initial 5 years and thereafter 2% of the retain profits spent on CSR activities based on local needs and action plan with financial and physical breakup/details should be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program should be ensured accordingly in a time bound manner.	We have spent total around 1,00,02,000/- and Budgeted around Rs.30,00,000/-.
22	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, 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.	Project is completed and there are no temporary structures/sheds present in the premise.

B. GENERAL CONDITIONS:-

C.

Sl. No	Conditions	Compliance
01	The project authorities must strictly adhere to the stipulations made by the Karnataka State Pollution Control Board (KSPCB) State Government and any other statutory authority.	Will be followed
02	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	Will be followed



	Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	
03	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Will be followed
04	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	Will be followed
05	The overall noise levels 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. 75 dBA (day time) and 70 dBA (night time).	Will be followed
06	The Company shall harvest rainwater from the roof tops of the buildings and storm water and use the same water for the "process activities of the project to conserve fresh water.	Water collection pits are made ready to rain water harvesting.
07	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.	Training programme has been conducted and will be followed in future.
08	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.	Will be followed



09	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 villages and administration.	Already Carrying out & continuing
10	The company shall undertake eco-developmental measures including community welfare measures in the project area for its overall improvement of the environment.	Will be followed
11	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Department is already established to look after.
12	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to 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.	Will be followed
13	A copy of the clearance letter shall be sent by the project proponent to concerne Panchayat, ZilaParisad/Municipal Corporation Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Copy has been sent.
14	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 KSPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Will be followed.



15	The environmental statement for 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.	Will be followed.
16	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry. Already advertisement has been and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the 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 newspapers 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 the Ministry.	Already advertisement has been published in Prajavani Kannada daily news paper and Deccan Herald English daily news paper.
17	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.	—



For Shree Basaveshwar Sugars Ltd

Authorised Signatory.



MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 and Accredited by NABL

(Certified by ISO-14001-2015, ISO 22000-2018, ISO 45001-2018, 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 (1st & 2nd 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 FOR SOURCE EMISSION

Test Report No: TC720721000017981F

Issued Date: 24.12.2021

1. Name of the Project : M/s. Shree Basaveshwar Sugars Ltd.,
NH-218, Karjol Village,
Tq/Dist : Vijayapur-586121
2. Name of the location : 130 TPH Boiler
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of the sample collected : Stack Sampler
5. Date of Sample Receipt : 20.12.2021
6. Analysis Starting Date : 21.12.2021
7. Analysis Completion Date : 24.12.2021
8. Sample Tested as Received

GENERAL DETAILS

Date of Monitoring	20.12.2021
Fuel Used	Baggase
Stack Temperature (^o C)	134
Velocity (m/s)	7.76
Height (m)	82
Diameter (m)	2.35

RESULTS

PARAMETERS	PROTOCOL	UNIT	RESULT	KSPCB STANDARDS
Particulate Matter	IS-11255(Part 1) - 1985	mg/Nm ³	113.31	150
Sulphur dioxide	IS-11255(Part 2) - 1985	mg/Nm ³	12.79	-
Nitrogen dioxide	IS-11255(Part 7) - 2005	mg/Nm ³	20.89	-

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

Verified by

Ramesh

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.
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.



MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 and Accredited by NABL

(Certified by ISO-14001-2015, ISO 22000-2018, ISO 45001-2018, 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 (1st & 2nd 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/14/03

ANALYSIS REPORT OF WATER QUALITY

Test Report No:TC720721000017983F

Issue Date: 24.12.2021

1. Name of the Project : M/s. Shree Basaveshwar Sugars Ltd.,
NH-218, Karjol Village,
Tq/Dist : Vijayapur-586121
2. Sample Type : Treated water (ETP)
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of Sample Collected : Grab Sample
5. Sample description/condition : Good/Satisfactory
6. Date of sample Receipt : 20.12.2021
7. Analysis Starting date : 21.12.2021
8. Analysis Completion Date : 24.12.2021
9. Sample Tested as Received

RESULTS

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT	TOLERANCE LIMITS AS PER KSPCB CONSENT
1	Color	IS : 3025(part-4) : 1983 (RA 2017)	Hazen	<5	-
2	Odor	IS : 3025(part-5)	-	Unobjectionable	-
3	pH @ 25 ^o C	APHA 23 rd Edition-2017, 4500 H ⁺ , B	-	7.58	5.5-8.5
4	Bio-chemical Oxygen Demand (3 days at 27 ^o C), Max	IS-3025:1993(part 44) (RA 2009)	mg/L	68.0	100
5	Oil & Grease, Max	APHA 23 rd Edition-2017, 5520 D	mg/L	BDL	10
6	Total Suspended solids, Max	APHA 23 rd Edition-2017, 2540 F	mg/L	52.0	100

BDL – Below Detectable Limit (Oil & Grease – 1mg/L)

INFERENCE

As per KSPCB Consent Standards,

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

Verified by

Ramesh

Authorized Signature

Lingappa



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.

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.



MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 and Accredited by NABL

(Certified by ISO-14001-2015, ISO 22000-2018, ISO 45001-2018, 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 (1st & 2nd Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (0) : 08392-255169,

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



MSVAL/A/F/14/03

ANALYSIS REPORT OF WATER QUALITY

Test Report No: TC720721000017984F

Issue Date: 24.12.2021

1. Name of the Project : M/s. Shree Basaveshwar Sugars Ltd.,
NH-218, Karjol Village,
Tq/Dist : Vijayapur-586121
2. Sample Type : Untreated water (ETP)
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of Sample Collected : Grab Sample
5. Sample description/condition : Good/Satisfactory
6. Date of sample Receipt : 20.12.2021
7. Analysis Starting date : 21.12.2021
8. Analysis Completion Date : 24.12.2021
9. Sample Tested as Received

RESULTS

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT
1	Color	IS : 3025(part-4) : 1983 (RA 2017)	Hazen	<10
2	Odor	IS : 3025(part-5)	-	Objectionable
3	pH @ 25 ^o C	APHA 23 rd Edition-2017, 4500 H ⁺ , B	-	5.32
4	Bio-chemical Oxygen Demand (3 days at 27 ^o C)	IS-3025:1993(part 44) (RA 2009)	mg/L	412.0
5	Oil & Grease	APHA 23 rd Edition-2017, 5520 D	mg/L	4.0
6	Total Suspended solids	APHA 23 rd Edition-2017, 2540 F	mg/L	126.0

Verified by

Ramesh

Authorized Signature

Kanya



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.