



F. No. J-11011/38/2016-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road,
New Delhi -110 003

Telefax: 011-24695365
E-mail: yogendra78@nic.in

Dated: 20th December, 2016

To

The Chief Executive Officer
M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.
Shri Kallappa Anna Awadenagar, Hupari-Yalgud
Hatkanangale, Kolhapur District
Maharashtra- 416 203

Sub: Expansion of Sugar unit capacity from 7500 TCD to 12000 TCD at Hupari Yalgud, Tehsil Hathkanangale, District Kolhapur, Maharashtra by M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. -Environmental Clearance- reg.

Ref: Online Proposal No. IA/MH/IND2/38479/2014 dated 06th January, 2016.

Sir,

This has reference to your online proposal no. IA/MH/IND2/38479/2014 dated 06th January, 2016 along with project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report along with Public Hearing Report regarding the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the application. It is noted that the proposal is for expansion of sugar unit capacity from 7500 TCD to 12000 TCD at Hupari Yalgud, Tehsil Hathkanangale, District Kolhapur, Maharashtra by M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. As informed by the Project Proponent (PP) and as per the documents submitted by the PP, the total plot area is 3,94,237.058 m², out of which area earmarked for greenbelt is 3,30,000 m². It is reported that no national park/wildlife sanctuary/coral formation is located within 10 km distance of the plant. River Doodhganga is flowing at a distance of 6 Km. The total project cost is Rs.74.50 Crores, out of which 200.95 Lakhs are earmarked towards CSR activity.

3. The project proposal was initially considered by the Maharashtra State Level Expert Appraisal Committee (SEAC) in its meeting held on 01st August, 2014 and had approved ToR for preparation of EIA. As the project is located within 5 km distance of interstate boundary; SEAC-1 in its 114th meeting held on 19th - 21st November, 2015 has categorized

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the project as Category 'A' and desired to be appraised by Central EAC. The Member Secretary (SEAC-1) vide letter No. SEAC-2014/CR-45/TC-2 dated 08th January, 2016 has transferred the project to the Ministry of Environment, Forest and Climate Change, New Delhi.

4. All Sugar industry are listed at S.N. 5(j) (ii) of Schedule of Environmental Impact Assessment (EIA) Notification under category 'B'. The present proposal is located within 5 km distance of interstate boundary of Maharashtra and Karnataka. Due to the applicability of general condition i.e. located in whole or in part within 10 km from the inter-State boundaries; the proposal is treated as Category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).

5. The project proposal was subsequently considered by the Expert Appraisal Committee (Industry -2) in its 6th meeting held during 30th March- 02nd April, 2016 and 13th meeting held during 26th-27th September, 2016. The project proponent and their consultant M/s Green Circle, Vadodara (accreditation case sub-judice) gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken as per Terms of References (TORs) awarded by SEAC, Maharashtra for preparation of EIA-EMP report.

6. The PP has obtained environmental clearance (EC) for the existing Sugar unit (7500 TCD) from the State Environment Impact Assessment Authority (SEIAA) vide Environment Department, Government of Maharashtra letter no. ENV(NOC)2005/1591/CR224/TC-II dated 27th August, 2007. Regional Office of MoEF&CC at Nagpur, vide letter no. EC-41/RON/2016-NGP/691 dated 21.07.2016 has submitted the copy of certified compliance report to the environmental conditions prescribed in the existing EC. The EAC has found compliance report to be satisfactory.

7. Public Hearing for the proposed project has been conducted by the Maharashtra Pollution Control Board on 10.07.2015. The EAC has deliberated upon the issues raised during the public hearing and noted that the issues have satisfactorily been incorporated in the final EIA-EMP report.

8. The EAC, in its 13th meeting held during 26th-27th September, 2016, has found that the final EIA/EMP report submitted by the PP is adequate. The EAC after detailed deliberations, on the basis of the information and presentation made by the PP, has recommended the project for environmental clearance with certain conditions.

9. Based on the proposal and information submitted by the Project Proponent, and based on the recommendation by the Expert Appraisal Committee (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and General Conditions:

A. Specific Conditions:

- i. ESP/Bagfilter shall be provided to the bagasse fired boiler (20 TPH; 75 TPH and 90 TPH) to control particulate emissions within permissible limit. The gaseous



emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines. No wet scrubber shall be used. Existing boiler (55 TPH) will be converted into 75 TPH boiler.

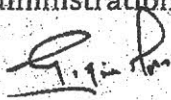
- ii. Pucca approach road to project site should be constructed prior to commencing construction activity of the main distillery to avoid fugitive emissions.
- iii. Total fresh water requirement from Doodhganga River shall not exceed 600 m³/day for sugar unit and Co-generation power plant. No ground water shall be used without permission. Effort shall be made to use recycled water from sugar and condensate of MEE for the co-generation power unit.
- iv. Water consumption also to be restricted to 100 liters / ton initially and further to 50 Liters/ton cane crushed in a time bound manner as per the CPCB guidelines.
- v. Effluent from sugar unit should be treated in the effluent treatment plant with adequate treatment with standard of 30 mg/l of BOD. Existing ETP shall be upgraded to achieve the standard of BOD 30 mg/l.
- vi. As proposed, no effluent from sugar plant should be discharged outside the premises and Zero discharge shall be achieved.
- vii. Bagasse/coal storage should be done in such a way that it does not get air borne or fly around due to wind.
- viii. Boiler ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing alongwith the storm water. Direct exposure of workers to fly ash & dust should be avoided. Bagasse ash and coal ash should be stored separately.
- ix. 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.
- x. Dedicated parking facility for loading and unloading of material should be provided in the factory premises. Unit should develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
- xi. All the issues raised during the public hearing/consultation meeting held on 10th July, 2015 should be satisfactorily implemented.
- xii. As proposed, green belt over 33% of plot area shall 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.
- xiii. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment (ESC) 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 Nagpur. Implementation of such program should be ensured accordingly in a time bound manner.

B. General Conditions:

- i. The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board, State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. 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 station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- iv. 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.
- v. 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).
- vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
- vii. 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.
- viii. 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.
- ix. 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.




- x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
 - xi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
 - xii. The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change 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.
 - xiii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
 - xiv. 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&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
 - xv. 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&CC by e-mail.
 - xvi. 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 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.
 - xvii. 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.
10. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.



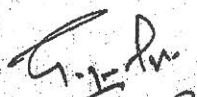
11. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

12. The above conditions will be enforced, *inter alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


20.12.2016
(Yogendra Pal Singh)
Scientist 'D'

Copy to:-

1. The Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai- 400 032.
2. Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur-440001.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, Delhi - 110 032.
4. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jor Bhag, New Delhi- 110 003.
6. Guard File/Monitoring File/Website/Record File.


20.12.2016
(Yogendra Pal Singh)
Scientist 'D'

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781/24014701

Fax: 24024068 /24023515

Website: <http://mpcb.gov.in>

E-mail: mpcb@vsnl.net



Kalpataru Point, 2nd - 4th Floor,
Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E)
Mumbai - 400 022

Red/LSI

Date: 10/02/2017.

Consent No: Format 1.0/BO/CAC-CELL/UAN No. 0000006985 & 0000013320 /R/CAC-1702000538

To,

M/s. Jawahar Shetkari SSK Ltd.,

G. No. 315/7 to 315/15, Shri Kallappana Awadenagar,

Hupri - Yalgud, Tal. Hatkanangale,

Dist. Kolhapur.

Subject : 1st Consent to Operate of 4500 TCD and Renewal of Consent to Operate of existing 7500 TCD Sugar & 28.5 MW Co-generation unit alongwith their amalgamation under RED category.

Ref : 1. Consent to Establish for expansion granted by the Board vide No. BO/CAC-CELL/ KP-155001-14/CAC-12005 dtd: 15/12/2014

2. Consent to Operate granted by Board to the existing unit vide No. BO/CAC-CELL/EIC No. KP-16970-15/R/CAC-424 dtd. 08.01.2016.

3. Minutes of CAC meeting held on 16.12.2016 & 24.01.2017.

Your application: UAN No. 0000006985 & 0000013320

Dated: 08.06.2016 & 17.09.2016.

For: 1st Consent to Operate of 4500 TCD and Renewal of Consent to Operate of existing 7500 TCD Sugar & 28.5 MW Co-generation unit alongwith their amalgamation under RED category, under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (M & T M) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

- The consent is granted for a period up to 31.07.2017.
- The actual total investment of the industry is Rs. 310.54 Cr. (Existing CI is Rs. 282.47 Cr. & CI of Expansion is Rs. 28.06 Cr.) (As per C. A. Certificate submitted by industry)
- The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity in MT/M
1	Sugar	52050
2	Molasses	14400
3	Pressmud	14400
4	Bagasse	105500
5	Electric Power (Cogeneration)	28.5 MW

(The cane crushing Capacity of Sugar Industry shall not exceed 12000 TCD)

- Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	1200 (Sugar 1000 + Co-gen 200)	As per Schedule -I	200 CMD 100% recycle & 1000 CMD recycle & on land for irrigation
2.	Domestic effluent	125	As per Schedule -I	On land for irrigation

5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boiler (75 TPH)	1	As per Schedule - II
2.	Boiler (90 TPH)	1	As per Schedule - II
3.	Boiler (20 TPH)		As per Schedule - II
4.	DG Set of 500 KVA	1	As per Schedule - II
5.	DG Set of 1320 KVA	1	As per Schedule - II

6. Conditions under Hazardous & Other Wastes (M & T M) Rules, 2016 for treatment and disposal of hazardous waste:

Sr. No.	Type of Waste	Category	Quantity	UOM	Disposal
1	Used /Spent Oil	5.1	200	Kg/D	Reuse in own boiler as fuel
2	ETP Sludge	35.3	2500	Kg/D	Used as Manure

7. Non-Hazardous Solid Wastes:

Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal
1.	Fly/Boiler Ash	30	MT/D	-	Used as Soil conditioner.
2.	Lime Kenkar	1.30	MT/D		Landfill.

8. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.

9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.

10. Industry shall operate online monitoring system which is installed as per the Directions of CPCB and shall connect/ upload the online monitoring data at MPCB and CPCB server.

11. Industry shall not carry out excess crushing above the threshold limit as prescribed in Environmental Clearance and Consent granted by the Board i.e. above 12000 TCD.

12. Industry should not exceed the threshold limit of overall pollution load accorded in Environmental Clearance and Consent granted by the Board.

13. Industry shall submit the Board Resolution within a period of 7 days stating that industry has carried out excess crushing without obtaining Environmental Clearance and Consent from the Board thus violated the Environmental Rules and in future they will not do such violation in future.

14. This Consent is issued without prejudice to the order passed or being passed in the application bearing no. 1120/2016 filed against the industry before the Chief Judicial Magistrate Kolhapur.

15. Industry shall comply the Revoke Directions issued by CPCB vide dtd. 13.12.2016.

16. This Consent is issued as per the office order issued by Environment Department, GoM vide no. vide no. सकिर्ण २०१७/प्र.क २६/आस्थापना Dated 23/01/2017.

For and on behalf of the
Maharashtra Pollution Control Board

(P. K. Mirashe)

Assistant Secretary (Technical)

Received Consent fee of-

Sr. No.	Amount (Rs.)	DR. No.	Date	Drawn On
1	Rs. 75,000/-	0190100	29.09.2016	Kallappanna Awade Ichalkaranji Janta Sah Bank
2	Rs. 500/-	0189828	06.06.2016	

As per the Consent granted vide dtd. 08.01.2016 fees of Rs. 7,10,800/- is balance with the Board. Out of this fees of Rs. 5,64,940/- is deducted towards Renewal up to 31.08.2017. Therefore, fees of Rs. 1,45,860/- is balance with the Board & same will be considered during next Renewal of Consent.

Fees mentioned at sr. no. 1 is paid towards Expansion.

Copy to:

1. Regional Officer - MPCB Kolhapur - *He is directed to forfeit BGs of Rs. 10 Lakh submitted towards not to do excess crushing as industry has carried out excess crushing. He is also directed to strictly monitor the unit on weekly basis and submit compliance report to CAC CELL including source and ambient air quality monitoring reports.*
2. Sub-Regional Officer - Kolhapur, MPCB, He is directed to ensure the compliance of the consent conditions.
3. Chief Accounts Officer, MPCB, Mumbai.
4. CC/CAC desk- for record & website up-dation purposes.

Schedule-I

D) Terms & Conditions for compliance of Water Pollution Control

1) A] As per your application, you have provided Effluent Treatment Plant (ETP).

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
01	pH	5.5-9.0
02	Oil & Grease	10
03	BOD (3 days 27°C)	100
04	Sulphate	1000
05	Suspended Solids	100
06	COD	250
07	Chloride	600
08	Total Dissolved Solids	2100

C] The treated effluent 1000 CMD generated from Sugar unit shall recycle up to maximum extent and remaining shall be disposed on land for irrigation on 90 acres of own land /as per the bilateral agreement with farmers. In no any case treated/untreated effluent shall find its way outside the factory premises directly or indirectly.

D] Trade effluent of 200 CMD generated from Co-gen shall be 100% recycle in process.

E] CREP conditions for Sugar Factory

i. Operation of ETP shall be started at least one month before starting of cane crushing to achieve desired MLSS. So as to meet prescribed standards from day one the operation of mill.

ii. Waste water generation shall be maintained as 100 liters per ton of cane crushed.

iii. Industry shall achieve zero discharge into in land surface water bodies.

iv. 15 days storage capacity tank shall be provided for treated effluent to take care of no demand for irrigation.

F] Industry shall maintain properly the arrangement provided for covering the effluent collection system and to avoid the ingress of Bagasse other material.

G] The unit shall operate ETP even after completion of the crushing season so that any effluent generated during washing & maintenance is discharged after proper treatment.

H] The unit shall optimize water use in industrial process & maintain records of water consumption & waste water generation.

2) A] As per your consent application, for the 80 CMD sewage generation you have provided septic tank & soak pit for the treatment of sewage.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

- | | | | | |
|-----|------------------|---------------|-----|-------|
| (1) | Suspended Solids | Not to exceed | 100 | mg/l. |
| (2) | BOD 3 days 27°C | Not to exceed | 100 | mg/l. |

- C] The treated sewage shall be disposed on land for gardening/irrigation.
- 3) The industry shall have bilateral agreement with the farmers on whose land the treated effluent is used for irrigation purposes and a copy of the agreements with validity shall be submitted to the Regional/Sub-Regional Office of the Board.
 - 4) The industry shall create Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
 - 5) **CONDITIONS FOR MOLASSES STORAGE:**
 - (i) The molasses shall be properly collected and stored in steel tanks which shall be leak proof. At no stage of handling of molasses, there shall be leakage or spillage.
 - (ii) The capacity of tanks for storage of molasses shall be such that it will take care of bumper production of sugar, non-lifting of molasses etc.
 - (iii) All the area on which molasses are stored and handled should be provided with drain for diverting the spills to the treatment plant/ molasses tank. Suitable arrangements for accidental discharges of molasses from the tanks shall be provided to contain the same within factory premises.
 - (iv) Destruction of molasses and its disposal shall not be done without specific permission in writing from the authorized officer of the Board. Intimation of intention to destroy or dispose of the molasses shall be given to the Board at least 15 (fifteen) days in advance by registered post under intimation to the Sub-Regional officer and Regional officer of the Board under whose jurisdiction the factory is situated.
 - (v) The storage tanks shall be kept in good conditions all the year round with adequate maintenance. The tanks size and capacity per cm, height, total capacity in tonnes shall be displayed prominently near /on the tank.
 - (vi) The above conditions shall be in addition to and not in derogation of the provisions contained in the "Bombay Molasses Rules, 1955" and "Maharashtra Molasses Storage and Supply Regulation, 1965".
 - 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines if applicable.

II) Conditions under Water (Prevention & Control of Pollution) CESS Act, 1977 as amended

The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Fresh water i.e. one time intake	192.0
2.	Industrial Cooling, boiler feed etc.,	92 (make up water)
2.	Domestic purpose	301.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	100.0 (Make up water)
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	—
5.	Total effluent Recycle	10000

Schedule-II

Terms & conditions for compliance of Air Pollution Control

1. As per your application, you have provided the Air pollution control (APC) system and also erected following stack (s) to observe the following fuel pattern-

Sr. No.	Stack Attached to	APC System	Height in meter	Type of Fuel	Quantity	S. %	SO ₂ Kg/ Day
1.	Boiler (75 TPH)	Wet Scrubber	72	Bagasse	888 MT/D	0.2 %	3552.0
2.	Boiler (90 TPH)	Wet Scrubber	75	Bagasse	1080 MT/D	0.2 %	4320.0
3.	Boiler (20 TPH)	Wet Scrubber		Bagasse	240 MT/D	0.2 %	960.0
4.	DG Set of 500 KVA	Acoustic enclosure	....	....	....	....	....
5.	DG Set of 1320 KVA	Acoustic enclosure	....	....	....	....	....

2. The Applicant shall provide ESP/ Bag filter/ Wet scrubber to the Bagasse fired boiler and Dust Collector to Sugar bagging section as an Air Pollution control equipments OR as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³
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4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).



**Schedule-III
Details of Bank Guarantees**

BG History

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Amount of BG forfeited from the imposed BG	Purpose of BG forfeiture
1	C to R	Rs. 10.0 Lakh	Rs. 10.0 Lakh	• Industry has carried out excess crushing from 7500 TCD to 9000 TCD without obtaining Consent from the Board.

NEW BG

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	1st C to O for expansion & Renewal of C to O alongwith their amalgamation.	Rs. 15.0	To be extended	1) O & M for achieving consented standards of Effluent. 2) O & M for achieving consented standards of Stack emission.	31.07.2017	30.11.2017
2		Rs. 2.0 Lacs	05 days	Submission of Board Resolution as per Consent condition no. 12.	15 days	One Year
3		Rs. 25.0 Lacs	Already submitted.	Not to do excess crushing in future.	31.07.2017	30.11.2017

Schedule-IV
General Conditions

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly.
- 3) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 4) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 6) The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 7) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the H& OW (M&TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 8) The industry should comply with the Hazardous & Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6 (5) & 20(2) of Hazardous & Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 10) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- 11) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
- 12) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 13) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 14) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 15) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 16) Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.

- b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
- c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 17) The industry should not cause any nuisance in surrounding area.
- 18) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 19) The applicant shall maintain good housekeeping.
- 20) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 21) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 22) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 23) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 24) The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
- 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
- 27) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- 28) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

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Monitoring the Implementation of Environmental Safeguards
Ministry of Environment, Forest & Climate Change
Regional Office (Waste Central Zone), Nagpur

Monitoring Report

Part – I

DATA SHEET

1.	Project Type: River Valley/Mining/Industry / Thermal / Nuclear /Other (Specify)	Sugar Industry
2.	Name of the Project	Jawahar Shetkari Sahkari Sakhar Karkhana Ltd., Hupari
3.	Clearance letter (s) / OM No. and date	File No. J-11011/38/2016-IA-II (I) Dated 20th December, 2016
4.	Location a. District (s) b. State (s) c. Location d. Latitude e. Longitude	Kolhapur Maharashtra Shri Kallappanna Aawade Nagar, Hupari- Yalgud, Tal. Hatkanangale, Dist. Kolhapur. 16.604437 74.403462

5.	<p>Address for correspondence</p> <p>a. Address of concerned Project Chief Engineer (With Pin Code and Telephone / Telex / Fax Number)</p>	<p>Shri. Sanjay S. Ghatage Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari. Pin.Code – 4016 203 Telephone – (0230)2450 402 to 5 lines. Fax. No.- (0230)20450 401.</p>
6.	<p>Silent features</p> <p>a. Of the Project</p>	<p>Sugar cane crushing capacity of the project is 12000 TCD with 28.5 MW Co-Generation.</p>
	<p>b. Of the Environmental Management Plan</p>	<p>Air Pollution Control-</p> <ol style="list-style-type: none"> 1. Electrostatic Precipitators (ESP) have been installed to Boilers. 2. Stack Heights are maintained as 72 and 75 meters. 3. Green Belt has developed at mill area <p>Water Pollution Control-</p> <ol style="list-style-type: none"> 1. Effluent Treatment Plant has installed with primary, secondary and tertiary treatment systems. 2. Treated water is partially used in Karkhana process and balance treated water giving for Karkhana seed farms and utilizing by farmers for agriculture purpose. 3. Part of treated water is being recycled, which reduces fresh water consumption.

		4. The solid waste generation from Karkhana process, There are mostly solid waste is biodegradable and same can be used as suitable organic manure after physical treatment.
7.	Breakup of the Project area a. Submergence Area: Forest Non forest b. Others	Not Applicable Not Applicable
	a. Total Plot Area	246 Acre
	b. Built-Up Area (Including Road)	46.71 Acre
	c. Open Space available	91.29 Acre
	d. Green belt area	108 Acre

8.	<p>Breakup of the Project affected population with enumeration of those losing houses / dwelling units only, agricultural land only, both dwelling units & both dwelling units and & agricultural land & landless laborers / artisan</p> <ul style="list-style-type: none">a. SC,ST / Adivasisb. Others <p>(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey carried out gives details and years of survey.</p>	Not Applicable
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9.	Financial Details	Expenditure incurred for 12000 TCD up to 31/3/2017 (Rs. in lacs)	Expenditure incurred for 12000 TCD from April 2017 to Sept.,2017 (Rs. in lacs)	Total Expenditure incurred for 7500 TCD to 12000 TCD up to 30 th Sept.,2017 (Rs. in lacs)
	a. Project costs as originally planned & subsequent revised estimates and the year of price reference	7450.00	7450.00	7450.00
	b. Allocations made for Environmental Management Plan with itemwise & yearwise break up.	155.00	155.00	155.00
	c. Benefit Cost Ratio / Internal rate of Return and the year of assessment.	--	--	--
	d. Whether (c) includes the cost of Environmental Management as shown in the above.	Yes	Yes	Yes
	e. Actual expenditure incurred on the Project so far.	2912.00	3225.69	6137.69
	f. Actual expenditure incurred on the Environmental Management Plan so far.			
	1. Effluent Treatment Plant	150.51	-	150.51
	2. ESP system for 75 TPH boiler	99.00	-	99.00
	3. ESP system for 90 TPH boiler	-	381.99	381.99
	4. Waste Water Scheme	-	5.10	5.10
	5. Tree plantation	-	6.10	6.10
	Total -	249.51	393.19	642.70

10.	<p>Forest land requirement</p> <p>a. The status of approval for diversion of Forestland for non-forestry use</p> <p>b. The Status of clearing felling</p> <p>c. The status of compensatory Afforestation, if any</p>	Not Applicable
	<p>d. Comments on the viability and sustainability of compensatory Afforestation programme in the light of actual field experience</p>	
11.	<p>The status of clear felling in non-forest areas (such as submergence area of reservoir, Approach roads), if any with quantitative information</p>	Not Applicable
12.	<p>Status of construction</p> <p>a. Date of commencement (Actual and / or Planned)</p> <p>b. Date of completion (Actual</p>	<p>December , 2016</p> <p>October, 2017</p>

	and / or Planned).	
13.	Reasons for the delay if the project is yet to start	Not Applicable
14.	<p>Dates of site visits</p> <p>a. The dates on which the Project was monitored by Regional Office on previous occasion, if any</p> <p>b. Date of site visit for this monitoring Report</p>	<p>11/07/2016</p> <p>--</p>
15.	<p>Details of correspondence with project authorities for obtaining action plan, information on status of compliance to safeguards other than the routine letters for logistic support for site visit.</p> <p>(The monitoring report may obtain the details of all the letters issued so far but the latter reports may cover only the letters issued subsequently)</p>	---