

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Red/LSI

Date: 19/05/2015.

Consent No: Format 1.0/BO/CAC-CELL/EIC No. - KP-16128-14/O/CAC-5993

To,  
M/s. Urjankur Shree Tatyasaheb Kore Warna Power Company Ltd.,  
G. No. 630, A/p- Warnanagar,  
Tal. Panhala, Dist. Kolhapur.

**Subject : Renewal of Consent to Operate of 44 MW baggasse base Co-gen unit, with increase in Capital Investment under RED category.**

**Ref :** 1. Consent to Establish granted to Co-gen unit vide no. BO/JD(WPC)/EIC-KP-12/CO/CAC-3066 dtd. 10.04.2013.  
2. Minutes of CAC meeting held on 21.01.2015 & 15.04.2015.

Your application: CO1409000291.

Dated: 28/08/2014.

For: Renewal of Consent to Operate of 44 MW baggasse base Co-gen unit with increase in capital investment, 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 5 of the Hazardous Wastes (M, H & T M) Rules 2008 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:

1. The consent to Operate is granted from a period 01.09.2014 to 31.07.2016.
2. The actual capital investment of the industry is Rs. 300.13 Cr.  
(As per C. A. Certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sl. No.	Product/By-Product Name	Maximum Quantity
1	Electricity Generation	44 MW

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

Sl. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	640	As per Schedule - I	On land for irrigation
2.	Domestic effluent	7.0	As per Schedule - I	On land for irrigation

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

Sl. no.	Description of stack/ source	Number of Stack	Standards to be achieved
1.	Boiler (115 TPH) 2 nos.	1 (common)	As per Schedule - II
2.	DG set of 1250 KVS 2 nos.	2	As per Schedule - II

6. Conditions under Hazardous Waste (M, H & T M) Rules, 2008 for treatment and disposal of hazardous waste:

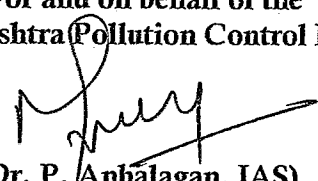
Sr. No.	Type of Waste	Category	Quantity	UOM	Disposal
1	Used /Spent Oil	5.1	10	MT	Reused in Boiler as fuel
2	Waste/residue containing oil	5.2	10	MT	Reused in Boiler as fuel

7. Non-Hazardous Solid Wastes:

Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal
1.	Boiler Ash	17216	MT/A	-	Used for composting/ Sale to Brick manufacturer.

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 install CAAQM station within a period of 3 months.

For and on behalf of the  
Maharashtra Pollution Control Board

  
(Dr. P. Anbalagan, IAS)  
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	DD. No.	Date	Drawn On
1	Rs. 50,000/-	046269	17.07.2014	Bank of Baroda.
2	Rs. 6,00,360/-	046268	17.07.2014	Bank of Baroda.
3	Rs. 6,00,360/-	046436	21.04.2015	Bank of Baroda.
4	Rs. 50,000/-	046435	21.04.2015	Bank of Baroda.

Copy to:

- Regional Officer - MPCB Kolhapur, and Sub -Regional Officer - Kolhapur, MPCB, They are directed to ensure the compliance of the consent conditions.
- Chief Accounts Officer, MPCB, Mumbai.
- CAC desk- for record & website updation purposes.

**Schedule-I**

**D) Terms & Conditions for compliance of Water Pollution Control**

- 1) A] As per your application, you have provided existing Effluent Treatment Plant (ETP) with the design capacity of 640 CMD.
- 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 (If any)
<b>I. Compulsory Parameters</b>		<b>Limiting Concentration in mg/l, except for pH</b>
01	pH	5.5 -9.0
02	Oil & Grease	10
03	BOD (3 days 27oC )	100
04	Total Dissolved Solids	2100
05	Chemical Oxygen Demand	250
06	Suspended Solids	100
07	Chloride	600
08	Sulphate	1000
09	% Sodium	60%
<b>(2) Treatment for Cog-en Plant</b>		
<b>Condenser Cooling Water</b>		
01	pH	6.5 to 8.5
02	Temperature	Not to exceed 5°C . Higher than the intake water temp.
03	Free available chlorine	0.5
<b>Boiler Blow Down</b>		
01	Suspended Solids	100
02	Oil & Grease	10
03	Copper (Total)	1
04	Iron (Total)	1
<b>Cooling Tower Blow Down</b>		
1	Free available chlorine	0.5
2	Zinc	1
3	Chromium (Total)	0.2
4	Phosphate	5

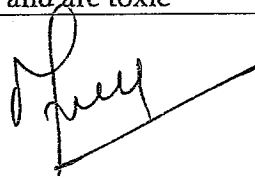
- C] The treated effluent 640 CMD shall be disposed on land for irrigation on 4.5 hectors of own land. IN no any case effluent shall find its way outside the factory premises directly or indirectly.
- 2) A] As per your consent application, for the 07 CMD sewage generation you have provided the septic tank & soak pit.
- 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) 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.	Industrial Cooling, boiler feed etc.	00.00
2.	Domestic purpose	10.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	4578.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	696

  
 Maharashtra Pollution Control Board

**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-

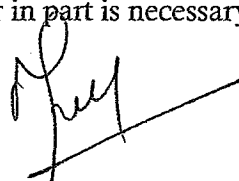
Sr. No.	Stack Attached to	APC System	Height in meter	Type of Fuel	Quantity	S %	SO <sub>2</sub> Kg/Day
1.	Boiler (115 TPH)	ESP	100	Bagasse	2047.6 MT/D	0.2%	8298.72
2.	Boiler (115 TPH)	ESP		Coal	733.20 MT/D	0.5%	7332
3.	DG Set of 1250 KVA	---	30	HSD	10560 Ltrs./D	1%	211.2
4.	DG Set of 1250 KVA	---	30				

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 <sup>3</sup>
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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**

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Renewal of Consent	Rs. 5.0 Lacs	Already extended	O & M for achieving consented standards of Effluent.	31.07.2016	30.11.2016
				O & M for achieving consented standards of Stack emission,		
2	Renewal of Consent	Rs. 5.0 Lacs	Already Submitted	Installation of CAAQM station.	Within 3 months	30.11.2016

*Signature*  
Maharashtra Pollution Control Board

**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 30<sup>th</sup> day of September every year, the Environmental Statement Report for the financial year ending 31<sup>st</sup> 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 HW (MH&TM) Rules 2008, 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 Waste (M, H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M, H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30<sup>th</sup> 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 (in case of Renewal of 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](http://www.mpcb.gov.in)).
- 12) 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.
- 13) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 14) 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.
- 15) 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.