

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Consent No. BO/JD (WPC)/RO NG/EIC NO NG8261-12/CC/ ^{CAE-3013} Date: 9/04/2013

Consent to Operate 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 / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2008

[To be referred as Water Act, Air Act and HW (M,H 7 TM) Rules respectively].

.....
CONSENT is hereby granted to
M/s Purni Power & Sugar Ltd
Village-Bela, Grampanchayat - Khursapur, Nagpur
Chandrapur Road, Tq- Umred, Dist- Nagpur
Nagpur-441115

located in the area declared under the provisions of the Water Act, Air Act and Authorization under the provisions of HW(M&H) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to: 31.07.2015
2. The Consent is valid for the manufacture of:-

Sr. No.	Product Name	Maximum Quantity	UOM
1	Sugar	262.50	MT/M
2	Molasses	100	MT/M
3	Power Generation	22	MW

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 806.00M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 28.00M³.

(iii) Trade Effluent for sugar factory:

Treatment: The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously as to achieve the quality of the treated effluent to the following standards:

1	pH	Between	5.5 to 9.0
2	Suspended Solids	Not to exceed	100 mg/l
3	BOD 3 days 27 Deg. C.	Not to exceed	100 mg/l
4	COD	Not to exceed	250 mg/l
5	Oil & Grease	Not to exceed	10 mg/l
6	T.D.S.	Not to exceed	2100 mg/l
7	Chlorides	Not to exceed	600 mg/l
8	Sulphates	Not to exceed	1000 mg/l

B) Trade Effluent for Co gen industry-

Trade Effluent Treatment: The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

The industrial effluent arising from various sections of Power Plant shall be given such treatment either collective or individually as the site condition permits but the final quality of effluent shall have following character standards:

a) **Condenser Cooling Water:**

- | | | |
|----------------------------|---|-------------|
| 1) pH | Between | 6.5 to 8.5 |
| 2) Temperature | Not to exceed | 5 Degree C. |
| | Higher than the intake water temperature. | |
| 3) Free available Chlorine | Not to exceed | 0.5 mg/l |

b) **Boiler Blow down:**

- | | | |
|---------------------|---------------|-----------|
| 1) Suspended Solids | Not to exceed | 100 mg/l. |
| 2) Oil & Grease | Not to exceed | 20 mg/l. |
| 3) Copper (Total) | Not to exceed | mg/l. |
| 4) Iron (Total) | Not to exceed | mg/l. |

c) **Cooling Tower Blow down:**

- | | | |
|----------------------------|---------------|-----------|
| 1) Free available Chlorine | Not to exceed | 0.5 mg/l. |
| 2) Zinc | Not to exceed | mg/l. |
| 3) Chromium (Total) | Not to exceed | 0.2 mg/l. |
| 4) Phosphate | Not to exceed | mg/l. |

d) **D.M. Plant Effluent:**

- | | | |
|--------------------------|---------------|------------|
| 1) PH | Between | 5.5 to 9 |
| 2) BOD 3 days 27 Deg. C. | Not to exceed | 30 mg/l. |
| 3) COD | Not to exceed | 250 mg/l. |
| 4) Suspended Solids | Not to exceed | 100 mg/l. |
| 5) Oil & Grease | Not to exceed | 10 mg/l. |
| 6) TDS | Not to exceed | 2100 mg/l. |

(iv) **Trade Effluent Disposal:** The treated effluent shall be recycled/reused to maximum extent & excess if any shall be used on land for gardening.

(v) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

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

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in soak pit, which shall be got cleaned periodically. Overflow if any, shall be used on land for gardening / plantation only.

(vii) **Non-Hazardous Solid Wastes:**

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	Press Mud	100.00	MT/Day	By Sale
2	Bagasse	1087.00	MT/Day	As a Fuel in Boiler
3	Coal Ash	35595.00	MT/A	Utilized in road construction/ Sale to Brick Manufacturing

(viii) **Other Conditions:** Industry should monitor effluent quality regularly

4. The applicant shall comply with the provisions of the Water Prevention & Control of Pollution Cess Act, 1977 (to be referred as Cess Act) and amendment Rules, 2003 there under

The daily water consumption for the following categories is as under:

- | | | |
|---|-----|------------|
| (i) Domestic purpose | ... | 40.00 CMD |
| (ii) Water gets Polluted & Pollutants are Biodegradable | ... | 0.00 CMD |
| (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic | ... | 826.00 CMD |
| (iv) Industrial Cooling, spraying in mine pits or boiler feed | ... | 2606.00CMD |

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. CONDITIONS UNDER AIR ACT :

- (i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

a. Control Equipment:

Dust collector of sufficient capacity shall be provided to the source of particulate matter emission section to limit the following standard:

b. Standards for Stack Emissions:

- | | | |
|--------------------|---------------|------------------------|
| 1) SPM | Not to exceed | 150 mg/Nm ³ |
| 2) SO ₂ | Not to exceed | 6.98 T/day |

- (i) The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
1	Coal	164.00	MT/Day
2	Bagasse	1087.00	MT/Day

- (ii) The applicant shall erect the chimney(s) of the following specifications:-

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler	90.00
2	D.G. Set	6.50

- (iii) The applicant shall provide points 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) points 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.

- (iv) 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.

- (vi) Other Conditions:

- 1) The industry should not cause any nuisance in surrounding area.
- 2) The industry should monitor stack emissions and ambient air quality Regularly.

6.

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. The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to be less than 75 dB(A) during day time and 70 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.
- d. 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.
- e. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- f. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG set manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- g. D.G. Set shall be operated only in case of power failure.
- h. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

7. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:

(i) The Industry shall handle hazardous wastes as specified below:

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	Used /spent oil	10.00	MT/M	By incineration in own boiler
2	Chemical sludge, and grease skimming residues	1.00	MT/M	CHWTSDF Burbon

(ii) Treatment: - NIL

1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
2. The industry should comply with the Hazardous Waste (Management & Handling) Rules, 2008.
 - a. Whenever due to any accident or other unforeseen act or event, 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 concerned shall be stopped.
- b. The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be submitted to this office & concerned Regional Office, Sub-Regional Office.
- c. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (Management & Handling) Rules, 1989 as amended on 2003 and shown & submitted to the Board as & when asked for.
- 8. Industry shall comply with following additional conditions:**
- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
 - ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
 - iii. Solid waste – The non hazardous solid waste arising in the factory premises sweepings, etc., be disposed of scientifically so as not to cause any nuisance or pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
 - iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant to maintain compliance with the terms and conditions of the consent. In the absence of the applicant shall stop, reduce or otherwise control production to abide by terms & conditions of this consent regarding pollution levels.
 - v. The applicant shall not change or alter 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.
 - vi. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
 - vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
 - viii. 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.
 - ix. An inspection book shall be opened and made available to the Board during their visit to the applicant.
 - x. The applicant shall install a separate electric meter showing the consumption of energy for operation of domestic and industrial effluent treatment plant and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
 - Xi. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.

xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

9. The Board reserves the right to amend or add any condition in this consent and same shall be binding on the applicant

10. This consent shall not be construed as any exemption from obtaining necessary No Objection Certificate from other Government agencies as may deemed fit necessary.

11. Industry shall Extend the existing Bank Guarantees of Rs. 5 Lakhs & 2.0 lakhs upto 31.7.2015.

12. The consent is issued pursuant to the decision of Consent Appraisal Committee meeting of Board held on 19.03.2013.

13. The Capital investment of the industry is Rs. 195.40 Crores.

(Rajeev Kumar Mittal)
Member Secretary

To,
M/s Purti Power & Sugar Ltd Village-Bela, Grampanchayat
Khursapur, Nagpur- Chandrapur Road, Tq- Umred, Dist- Nagpur
Copy to :- RO Nagpur/SRO Nagpur-II :- They are directed to obtain Bank
Guarantee & ensure compliance of consent conditions and report
accordingly. CAO/Cess wing/Master file
Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	1172700	114648	19 Dec 2012	Axis Bank

*Balance fees of Rs 1,63,855/- from the above submitted fees of Rs 11,72,700/- will be adjusted during next renewal of Consent.