

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I CH-0443-10

Date: 02 Aug 2012
~~July 2012~~

Consent No: MPCBHQ/Chandrapur/AST/Establish/CombinedConsent/CC-

Consent to Establish under Section 25 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&TM) Rules respectively].

CONSENT is hereby granted to,

M/s. Wani Coalfields Pvt. Ltd.,
Coal mining Project, at vill-nerad Malegaon,
Tehsil-Wani & Jhari-Zamni,
Dist.-Yevatmal.

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 Establish is granted for a period up to Commissioning of the unit or 5 years whichever is earlier.
2. The Consent is valid for the activity of mining over an mining lease area of 465 Ha
Sr.No. Product Maximum Quantity
1. Coal (open cast mining) 12,500 TPM
2. Coal (under ground mining) 17,500 TPM
3. **CONDITIONS UNDER WATER ACT:**
 - (i) The quantity of trade effluent from the factory shall not exceed : 630 M³/Day (including Mine discharge & workshop).
 - (ii) The quantity of sewage effluent from the factory shall not exceed 32 M³/Day.
 - (iii) **Trade Effluent Treatment:** The applicant shall provide comprehensive treatment system consisting 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:

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	30	mg/l
4.	Oil & Grease	Not to exceed	10	mg/l
5.	Total Dissolved Solids	Not to exceed	2100	mg/l
6.	Chlorides	Not to exceed	600	mg/l
7.	Sulphate	Not to exceed	1000	mg/l
8.	Nitrate Nitrogen	Not to exceed	10	mg/l
9.	Phenolic	Not to exceed	1	mg/l

- (iv) **Trade effluent Disposal:** The treated effluent shall be used for spraying mine pits, dust suppression and green belt development.
- (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 27° C. Not to exceed 100 mg/l.
- (vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be used on land for gardening / irrigation purpose only.

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

Type of waste	Quantity	Treatment	Disposal
Soil	2 lac m ³ /annum	----	to dumps.
Overburden	10 lac m ³ /annum	----	to dumps.

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 Amended Rules, 2003 there under:

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

(i) Domestic	...	40.0	CMD
(ii) Indl. Workshop	...	100.0	CMD
(iii) Spraying/ dust suppression	...	30.0	CMD
(iii) Fire fighting	...	10.0	CMD
(iv) Gardening	...	160.0	CMD

The applicant shall monthly 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 which is also available on MPCB website at <http://mpcb.mah.nic.in/images/cessform1.pdf>.

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 in the same continuously so as to achieve the level of pollutants to the following standards :

(A) Standards for Ambient Air Pollutants:

(i) Suspended Particulate Matter [SPM]	Not to exceed	500 ug/Nm ³
(ii) Respirable Particulate Matter [RSPM] [Size less than 10 micrometer]	Not to exceed	200 ug/Nm ³
(iii) Sulphur Dioxide (SO ₂)	Not to exceed	120 ug/Nm ³
(iv) Oxides of Nitrogen (NO _x)	Not to exceed	120 ug/Nm ³ .

(B) Standards for Emissions of Air Pollutants:

(i) SPM/TPM	Not to exceed	150 mg/Nm ³
(ii) SO ₂	Not to exceed	0.058 Kg/Day

(C) Control Equipment:

- Coal handling plant will be provided with Dust Collector and Automatic Water Sprinkler.
- Spraying of water on all working area and hauling roads.
- Coal shall be properly covered during transportation.
- The applicant shall carry out tree plantation along road side, around dumps or Compulsory afforestation as per proposal approved by Forest Department. The tree plantation programme shall be taken up well in advance of the actual mining activity, so that green belt of sufficient width and height is developed between mining area/road and surrounding environment.

- e) Black topped metalled roads shall be provided and well maintained to prevent dust formation.
- f) Overloading of dumpers shall be avoided to prevent spillages.
- g) The slope of the over burden shall have slope but not more than 28 degree to the horizontal. The overburden shall be properly covered by vegetation for Stabilization.

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

Sr.No.	Type of Fuel	Quantity
1.	Diesel	3.5 Kl/day

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

Sr.No.	Chimney attached to	Height in Mtrs.
1.	D.G. set (500 KVA)	4.5*

*=above roof of building where DG set is installed

(IV) The applicant shall provide minimum three ambient air quality monitoring stations within mining area which should be monitored for SPM, RSPM, SO₂, NO_x, HC, CO etc. The Annual Arithmetic Mean of minimum 104 measurements in a year taken twice a week 24 hourly at uniform interval shall conform to the National Ambient Air Quality Standards prescribed under Air (Prevention and Control of Pollution) Act, 1981 and Environment (Protection) Act, 1986. The records of results of continuous monitoring done shall be made available for inspection to the officers of the Board.

(V) 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) The applicant shall take adequate measures for control of noise levels from its own Sources as follows:

Sr.No.	Location	Permissible Norms [in dB(a)]	Desired minimum thickness of Green Belt
1	Along road	65 (Commercial Area)	20
2	In Colonies	55 (Residential Area)	20
3	Near Opencast Mines	75 (Industrial Area)	10 (*40)
4	Near CHPs	75	30
5	Near Shaft	75	20
6	Near Mine exhaust fan	75	>50

(* The Open Cast Mine needs to be surrounded by a green belt of sufficient width as per the guidelines of Design Institute Ltd. (A Subsidiary of Coal India Ltd.) if the residential complexes are very close).

6. CONDITIONS UNDER HW & TM Rules:

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

Sr. No.	Item No. of Process generating HW as per Schedule-I	Waste substance contain as per classes of Schedule-II	Type of Waste	Quantity	Disposal
1.	5.1	-----	Used /Spent Oil	0.2 MT/month	To CPCB authorized reproprocessors


7. 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.

8. If Coal Washeries are installed, then follow the conditions of the Ministry of Environment & Forests. Government of India's Notification No.Q.15017/13/9CPW. dated 27th January,1999 strictly.
9. General conditions:
 - (i) 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, no. of trees surviving as on 31st March of the year and no. of trees planted by September end.
 - (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
 - (iii) 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.
 - (iv) The firm shall submit MPCB, 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 before 30th September every year.
 - (v) 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.
 - (vi) 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. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption alongwith Environmental statement.
 - (vii) 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. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
 - (viii) 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. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
 - (ix) 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.
 - (x) 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
10. The project authorities shall identify critical road sections where the dust generated from transportation is likely to affect human population and/or agriculture and take up works of making those roads pucca and clean, so as to reduce dust emissions in 3 months.
11. The project authorities shall install well designed water sprinkling arrangements including fixed and mobile sprayers for dust suppression. The augmentation/ up gradation proposal for dust suppression system shall be submitted in 3 months.

12. The project authorities shall give suitable training to field level mine personnel and truck drivers on environmental protection and pollution control.
13. The applicant shall comply with the conditions of rain water harvesting scheme and ground water table as stipulated in Environmental Clearance.
14. The industry shall obtain consent to operate before actual commencement of mining activity.
15. The consent shall not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.
16. The Mining authorities shall not carry out expansion without prior permission of the Board.
17. This consent is issued with the recommendation of Consent Committee Meeting, held on 27.06.2012, of the Board and with the approval of the Hon'ble Chairman of the Board.
18. Industry shall strictly comply with the conditions stipulated in Environmental Clearance granted by Ministry of Environment & Forest vide no J-11015/292/2008-IA.II(M) dtd 21/12/2011.
19. Industry shall implement mechanical close type transportation system for coal handling trucks and upgrade the air pollution control system.
20. This Board reserves the right to amend, revoke or add any conditions in this consent and same shall be binding on the applicant.
21. Capital investment of the industry is Rs. 66.1 Crs.

For and on behalf of the
Maharashtra Pollution Control Board


(Milind Mhaiskar, IAS)
Member Secretary

To,
M/s. Wani Coalfields Pvt. Ltd.,
Coal mining Project, at vill-nerad Malegaon,
Tehsil-Wani & Jhari-Zamni,
Dist.-Yevatmal.

Copy to:

1. Directorate General of Mines Safety, Sardar Patel Nagar, Dhanbad - 826 016 Jharkhand, INDIA.
2. Director, Directorate of Geology and Mining, Government of Maharashtra, Nagpur.
3. The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
4. District collector - Chandrapur.
5. District Mining Office, Collector Office -Chandrapur.

Regional Officer, MPCB, Chandrapur / Sub-Regional Officer, MPCB, Chandrapur / Chief Accounts Officer, MPCB, Mumbai/ Cess Branch, MPCB / Master file.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	75,000	630435	18 Nov 2010	Citi Bank
2	25,000	061364	04 Feb 2012	Axis Bank ltd.
3	1,44,000	000510	14 July 2012	IDBI, Nagpur