

MAHARASHTRA POLLUTION CONTROL BOARD

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 Shiv Matunga, (Mumbai)
 Maharashtra State

Order No: Consent / O/ BO/CA/CC/H/EIC No. KP-16684-15/CA/CC/H/EIC - **4589**
 Date: 22/04/2015

M/s. Narmada Cement
 (M/s. Narmada cement Company Ltd.)
 Plot No.1,2,3,4, & 7 MIDC Zadgaon Block Ratnagiri,
 Tal: Ratnagiri Dist: Ratnagiri- 415639

Subject: Consent to 1st Operate (Clinker Silo) with amalgamation of existing consent under RED/LSI category.

- Ref :
1. Previous Consent granted vide no. BO/JD(APC)/EIC No.KP-88812-11/R-CC-477 Dated 06.07.2012 Valid up to 31.12.2016
 2. Earlier Consent granted vide no BO/JD(APC)/EIC No.KP-11764-12/R-CC-5890 Date 11.07.2013 Valid upto COU or 5 year Whichever is earlier.
 2. Minutes of CAC meeting held on 25.03.2015

Your application: CO1501000066
 Dated: 23/12/2014

For: Consent to 1st Operate (Clinker Silo) with amalgamation of existing consent 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 is granted for a period upto 31.10.2016
2. The actual capital investment of the industry is Rs.87.743 Crs. (As per C. A. Certificate submitted by industry Existing unit Capital Investment 33.812 Crs and Clinker Silo 53.931Crs)
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity in MT/M
1	OPC/PPC/PCS cement	40000
2	Clinker Silo Storage Facility	37500 MT x2 (Storage Tank)

4. 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	NIL	NA	NA
2.	Domestic effluent	10	As per Schedule -I	On land for plantation/gardening

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.	Cement ball Mill	1	As per Schedule -II
2.	Packing House	1	As per Schedule -II
3.	Unloader Left at jetty	1	As per Schedule -II

4. Undertaker's Name/Address	As per Consent
5. Project Name/Details	As per Consent
6. Date of Issue	As per Consent

6. Conditions about Non-Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & PoM	Treatment	Disposal
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7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

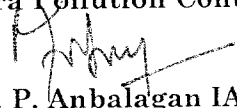
Sr. No.	Name of Waste	Quantity	Form	Unit	Treatment	Disposal
1.	Used Oil/Westet Oil	5.1	2500	Liter/Year	--	Sold to authorized recycler
2.	Westet / Residues containing Oil/Grease	5.2	3.68	Mt/Year	--	Sent To CIWTSDF
3.	Discarded Container/ barrel	33.3	135	Barrels/Year	--	Sold to authorized recycler

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

9. Industry to submit design details of APC systems within one month.

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

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	200100/-	016438	20/12/2014	ICICI Bank
2	15000/-	016440	20/12/2014	ICICI Bank

Copy to:

1. Regional Officer - Kolhapur. He is directed to forfeit BG of Rs. 5/- Lakhs obtained against O & M of Pollution control systems & obtain fresh BG's as per Schedule-III
2. Sub-Regional Officer- MPCB, Ratnagiri, They are directed to ensure the compliance of the consent conditions.
3. Chief Accounts Officer, MPCB, Mumbai.
4. CC/CAC desk- for record & website updation purposes.

Consent conditions for compliance of Water Pollution Control:

pit.

b) The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

- | | | | | |
|-----|-------------------|---------------|-----|-------|
| (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 soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening.

- 2) 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 and extension or addition thereto.
- 3) 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.
- 4) 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, spraying in mine pits or boiler feed	05
2.	Domestic purpose	20
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	---
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	---
5.	Other Agriculture, Gardening etc	15

- 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.



Schedule-3

Terms and conditions for compliance of Air Pollution Control

The applicant shall provide the following pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments) / erected following stack (s) and to observe the following loading, fuel pattern:-

1.	Cement ball Mill	Bag Type Filter	20	NA	--	--	NA
2.	Packing House	Bag Type Filter	21	NA	--	--	NA
3.	Unloader Left at jetty	Bag Type Filter	12	NA	--	--	NA
4.	Unloader Right at Jetty	Bag Type Filter	12	NA	--	--	NA
5.	320 KVA D.G Set	--	06	HSD	48 Lt/Hr	1%	23.04
6.	100 KVA D.G Set	--	06	HSD	12 Lt/Hr	1%	5.76
7.	125 KVA D.G Set	--	06	HSD	16 Lt/Hr	1%	7.68

- D.G. Set installed for emergency power supply.

- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)
- The industry shall provide & operate adequate APC's to Loading /Unloading/ Packing house in plant.
- The industry shall provide concrete roads & mist type sprinklers/dust suppression system in raw material storage & handling area.
- The Clinker transfer points should be provided suction head & adequate APC system.
- 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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- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
- 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).
- The applicant shall operate online continuous monitoring system for process stack emission analysis & same shall be directly connected to MPCB website <http://mpcb.gov.in> as well as submit the reports to the respective Sub Regional & Regional Office regularly.

(Signature)

10. The applicant shall operate the continuous automatic ambient air and micro-meteorological monitoring system at location indicated by State Board to be set up and operate at his own cost for ambient air and particulate matter. These locations shall also have automatic provision for monitoring the Air Quality Monitoring System.
11. The Clunker/Cyclone/Ash handling system shall be covered with the proper Loading and ventilation arrangement connected to dust suppress agent, so as not to allow any fugitive emissions.
12. There shall not be any fugitive emissions.
13. The firm shall provide continuous flow meters for measurement of the flow of the Air.
14. The applicant shall close down or activate the plant if concentration of emissions is found to be exceeding the prescribed limit.
15. The industry should not cause any nuisance in surrounding area.
16. The industry shall submit the daily monitoring results of stack air & ambient air monitoring of first week of every month to the respective Su Regional & Regional Office with copy to Head Office.
17. All the time industry shall make use of cement containing Ash percentage below 34%.
18. The industry shall dispose maximum quantity of Ash through the companies having contract with TPS.

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Schedule-III
Systems of Bank Guarantees

Forfeited BG History

Sr. No.	Consent No. / Cnty	Amt of BG imposed	Amt of BG to be forfeited from BG imposed	Purpose of BG Forfeiture
1.	C to R (to be forfeited)	Rs. 5/- Lakhs	Rs. 5/- Lakhs	O & M of pollution control system as the JVS stack results are exceeding the consented limit

Proposed BG

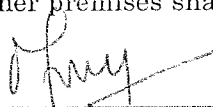
Sr. No.	Consent	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to O	20/- Lakhs	15 days	To achieve consented standards from source emission	30.10.2016	28.02.2017
2	C to O	20/- Lakhs	15 days	To achieve consented standards from Fugitive emissions	30.10.2016	28.02.2017
3	C to O	10,000/-	15 days	Industry to dispose off fly ash as per fly ash Notification dated 1999 and amendment thereof	Continuous	28.02.2017
4	C to O	2/- Lakhs	15 days	Industry to submit design details of APC system	1 month	28.02.2017

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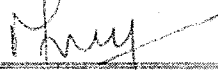
Schedule-IV

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, effluents and hazardous waste to the Board and to the Government of India for the purpose of monitoring and control of pollution on this behalf.
- 2) If the MDDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into LLR drain, it shall be sent to CETP by tanker if applicable.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) 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.
- 8) 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
- 9) /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.
- 10) 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 Hazarsous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 11) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 12) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 13) 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).
- 14) 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.
- 15) 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.
- 16) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.



- 17) 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 steam to steam for treatment shall be maintained.
- 18) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 18) 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
- 19) The industry should not cause any nuisance in surrounding area.
- 20) 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.
- 21) The applicant shall maintain good housekeeping.
- 22) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
- 23) 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.
- 24) 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.
- 25) 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.
- 26) 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 be downloaded from MPCB official site).
- 27) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 28) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
- 29) The applicant shall Operate regularly the online continuous monitoring system for process stack emission analysis & same shall be directly connected to MPCB website



http://mpcb.gov.in as well as to the nearest Government Office within 3 months period and operate the same regularly.

The applicant shall operate the above mentioned automatic ambient air and meteorological monitoring station in the manner specified by State Board to be set up in the State of Madhya Pradesh and shall also have necessary provision of monitoring and Air Quality Monitoring network in AWP.

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(Signature)

RECEIVED
STATE BOARD
AIR POLLUTION CONTROL
MUMBAI