

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Consent order No: Format1.0/BO/ROHQ/EIC-NK-13123-13/CE/CAC-6707-A Date: 14th November 2013

To,
Project Director,
National Highways Authority of India
"Subodh House", S.No911/2 Plot No 4,
Behind Toyota Showroom
Off Agra Highway, Nashik

Sub: - Consent to Establish for Rehabilitation and upgradation of 2-lane Carriageway to 4-lane of Khed-Sinnar Section of NH-50 from km 42.000 to km 177.000 in the State of Maharashtra by M/s. National Highways Authority of India.

Ref: - 1. Minutes of CAC meeting held on 24/05/2013 & 30/10/2013

2. Consent to establish granted by Board No. Format1.0/BO/RO(HQ)/EIC No.NK-13123-CE/CAC-6707 dated 08/08/2013

Your application Date: 11/10/2013

For: Amendment in 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 is considered and Hazardous waste (Management, Handling & Transboundary Movement Rule 2008. 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 Establish is granted for a period upto:- **Commissioning of the Project or five years period, whichever is earlier.**
2. The proposed Capital investment of the Project is **Rs. 1688.0 Crs.** (As per undertaking)
3. The Consent to Establish is valid for Rehabilitation and upgradation of 2-lane Carriageway to 4-lane of Khed-Sinnar Section of NH-50 from km 42.000 to km 177.000 in the State of Maharashtra by M/s. National Highways Authority of India. The project road starts from Khed km 42.000 to and ends at Sinnar km 177.000 traversing through Pune, Ahmednagar & Nashik districts of Maharashtra State. The proposed design length is 137.946 km, passing through Khed (Rajguru Nagar), Peth, Manchar, Kalamb, Narayangaon, Alephata, Bota, Sangamner & Nandur Shingote major towns.
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	12.0	As per Schedule -I	On land for Gardening.

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

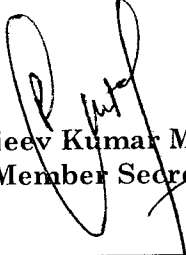
Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved
Nil			

6. Conditions under Hazardous waste (Management, Handling & Transboundary Movement Rule 2008

Sr. No	Type Of Waste	Quantity	UOM	Treatment	Disposal
Nil					

7. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
9. This is issued with overriding effect on earlier consent issued by the Board vide Consent No. Format1.0/BO/RO(HQ)/EIC No.NK-13123-CE/CAC-6707 dated 08/08/2013.

For and on behalf of the
Maharashtra Pollution Control Board


(Rajeev Kumar Mital) IAS
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On	Fees paid at
1.	Syndicate Bank	729280	28/09/2012	9,00,000/-	SRO Ahmednagar
2.	Syndicate Bank	729281	28/09/2012	5,60,000/-	SRO Ahmednagar
3	Syndicate Bank	729277	28/09/2012	5,07,000/-	RO Nashik
4	Syndicate Bank	729278	28/09/2012	9,00,000/-	RO Pune
5	Syndicate Bank	729279	28/09/2012	5,10,000	RO Pune

Copy to:

1. Regional Officer, MPCB, Nashik / Pune.
2. Sub-Regional Officer, Ahmednagar, /Nashik/Pune-II :- 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.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- a) **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	...	15.00 CMD
(ii) Industrial Processing	...	304.0 CMD
(iii) Washing & Cleaning	...	0.00 CMD
(iii) Industrial Cooling	...	0.00 CMD
(iv) Agriculture / Gardening	...	0.00 CMD

- b) 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.
- c) Extraction of groundwater for the project shall require prior permission of State Groundwater Authority or other relevant authority.
- d) In order to ensure that the water from this project do not enter into outside environment, the nallas crossing the townships/ complex premises, shall be lined, covered and made water tight by the applicant within the premises with intermittent inspection of chambers following good engineering practices as per the regulation of local body.
- e) **Rain water harvesting including oil and grease trap shall be provided.** Water harvesting structures shall be located at every 500 mts along the road. Vertical drain type rainwater harvesting structures shall be set up to minimize surface runoff losses of rainwater

Schedule-II

A. Terms & conditions for compliance of Air Pollution Control:

1. Adequate mitigation measures shall be taken to control emission of SO₂ NO_x, SPM & RSPM so as to achieve National Ambient Air Quality Standards.
2. 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)
3. The Applicant shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 75 dB(A) during day time & 70 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m & night time is reckoned between 10 p.m to 6 a.m.

B. Other Conditions During Construction Phase:

1. All activities shall be in resonance with the provisions of Indian Forest Act, 1927 (16 of 1927), Forest (Conservation) Act, 1980 (69 of 1980) and Wildlife (Protection) Act, 1972 (53 of 1972), and special notification published for area wherever applicable and all the Environmental Statutes and Instruments.
2. This Consent to Establish is issued only for New Construction/Developing Construction Project purposes.
3. No quarrying activities shall be commenced in the area unless appropriate permissions are obtained for a limited quarrying material required for construction of local residential housing and traditional road maintenance work, provided that such quarrying is not done on Forest Lands and the material is not exported to the outside area.
4. There shall be no felling of trees whether on Forest, Government, Revenue or Private lands except as per prevailing Rules.
5. Applicant shall be responsible to take adequate precautionary measures as detailed in this consent.
6. It is indicated that 4700 nos. trees from forest area and 3500 trees in non- forests area to be felled for the project. Necessary permission from competent authority shall be obtained for tree cutting. Compensatory tree plantation shall be carried out and cost provision should be made for regular maintenance.
7. Minimum of three times the number of trees to be cut shall be planted. The tree plantation shall be taken up on the extreme end of the road.
8. Explore the possibilities of using cold mix technology wherever possible.
9. The solid waste generated shall be used for rehabilitating the borrow areas.
10. The embankments/slopes and the slopes left after cutting shall be provided with vegetative turning to avoid soil erosion.
11. The hot mix plant shall be located at least 500 mts. Away from habitation and on the barren land to avoid its adverse impact on the human population. Must be obtained consent from board.
12. The construction material shall be obtained only from approved quarries. In case new quarries are to be opened, Consent from the MPC Board shall be obtained in this regard.
13. Adequate precautions shall be taken during transportation of the construction material so that it does not affect the environment adversely.
14. Excavation work shall be done in close consultation with the Soil Conservation and Watershed Development Agencies working in the area
15. Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such materials must be secured so that they shall not leach into the ground water.

**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	Establish	10 Lakh	15 Days	Rs. 10 lakhs for not to take effective steps prior to obtaining Environment Clearance & Consent to Establish condition.	Five Years	Five Years

Schedule-IV

General Conditions:

The following general conditions shall apply as per the type of the Activity.

- 1) Applicant shall comply with the conditions stipulated in Environmental Clearance, Granted by Environment Dept. Govt. of Maharashtra vide No. F.No. 10-58/2011-IA-III Dated 21 March 2013
- 2) The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act 1986 and Hazardous waste (Management, Handling & Transboundary Movement Rule 2008
- 3) 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 less than 55 dB(A) during day time and 45 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 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.
 - i) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 4) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 5) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 6) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 7) The proposed environment management plan shall be implemented during construction phase, operation phase and action taken/ progress report to be submitted every six months to the board.
- 8) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**