



**SANJIV TYAGI**  
**MEMBER SECRETARY**  
**SEIAA, GUJARAT**

**STATE LEVEL ENVIRONMENT IMPACT  
ASSESSMENT AUTHORITY**  
**Paryavaran Bhavan**  
Sector-10 A, Gandhinagar-382 010, GUJARAT  
Phone : (079) 232-32152  
Fax : (079) 232-22784  
E-mail : seiaaguj@yahoo.com  
Website : www.seiaa.gujarat.gov.in

**No. SEIAA/GUJ/EC/ 7 (f) / 2008**

**Date:**

*Time Limit*

To,  
M/s. Gujarat State Road Development Corporation Ltd [GSRDC],  
Ground floor,  
Nirman Bhavan,  
Sector-10A,  
Gandhinagar-382010.

**Sub: Environment Clearance for construction of additional two lanes of 166.230 km length on the existing Halol-Godhra-Shamlaji Road [State Highway no 5 - Km 335.170 to Km 501.400] located in the districts of Panchmahal and Sabarkantha by M/s.GSRDC Ltd. .... in category 7 (f) of Schedule annexed with EIA Notification dated 14/9/2006.**

Dear Sir,

This has reference to your application made along with Application Form 1, EIA/ EMP and feasibility report and submitted to MoEF, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The MoEF had prescribed Terms of Reference and subsequently public hearing was held on 06.02.2008 at Modasa, Dist. Sabarkantha and on 04.03.2008 at Godhar, Dist. Panchmahal. Later, the SEAC had received this application from Ministry of Environment & Forest, Government of India, after formation of the State Level Environment Impact Assessment Authority (SEIAA), Gujarat and the State Level Expert Appraisal Committee (SEAC), Gandhinagar.

It is noted that the proposal is for Environmental Clearance for construction of additional two lanes of 166.230 km length on the existing Halol-Godhra-Shamlaji Road [State Highway no 5 - Km 335.170 to Km 501.400] by M/s. GSRDC Ltd., districts of Panchmahal and Sabarkantha. The road shall be 17.50 meters wide excluding the divider. The land requirement shall be 145.18 hectares. Around 6850 trees will be required to be cut. The cost for the proposed expansion is approx Rs 580.57 crore. The project falls under the seismic zone III. During the construction phase water consumption shall be 180 kl/day [Road construction activities-160 kl/day; Domestic- 20 kl/day]and domestic waste water generation shall be 16 kl/day. Raw water will be sourced through tankers. Domestic waste water shall be discharged into septic tank soak pit tank system.

Project proponent has proposed providing adequate number of pedestrian underpasses for smooth flow of traffic during the construction phase as well as provision for cattle crossings as per requirements. Indian Road Congress [IRC], Ministry Of Shipping, Road Transport and Highways standards, Bureau of Indian Standards and

other relevant standards shall be followed for the design of project and project facilities.

The project activity is covered in 7 (f) and is of 'B' Category. The public hearing is carried out on 06.02.2008 at Modasa, Dist. Sabarkantha and on 04.03.2008 at Godhara, Dist. Panchmahal for the respective portion of project.

The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment Clearance to this project for the above-mentioned products. The public hearing has been conducted on 06.02.2008 and 04.03.2008 and the proposal was considered by SEIAA, Gujarat in its meeting held on 30.08.2008 at Gandhinagar. The SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 subject to the compliance of the following Specific and General conditions.:

**A. Specific Conditions:**

**A.1 WATER:**

1. No groundwater shall be tapped for the construction of the project. Water for construction works shall not be drawn from community water sources.
2. Domestic waste water of 16 m<sup>3</sup>/ day shall be discharged into septic tank/ soak pit system.

**A.2 AIR:**

3. Water sprinkling shall be carried out at mixing sites, temporary diversions, unpaved roads as well as haulage roads to control dust emission.
4. The gaseous emissions and particulate matter from the project construction shall conform to the standards prescribed by the GPCB. At no time, the emission levels shall go beyond the stipulated standards.
5. Concessionaire shall obtain the requisite permissions for Asphalt plant, Hot-Mix Plants, Wet-Mix Plants and Concrete Batching Plants from the statutory authority before commencing any activity.

**A.3 SOLID WASTE:**

6. Excavated bituminous pavement as well as other bituminous waste shall be utilized only in filling of the median.
7. Demolition/construction waste shall be utilized in road construction wherever possible.
8. The project proponent must strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Waste (Management and Handling) Rules 2003. Authorization from the GPCB must be obtained for collection / treatment /storage /disposal of hazardous wastes.
9. Discarded asphalt/bitumen drums shall be sold only to the registered recyclers after decontamination.
10. Used oil / waste oil shall be sold to only to the registered recyclers.

**A.4 SAFETY:**

11. Storage and use of toxic / hazardous chemicals/materials shall be minimized to the extent possible.
12. During transfer/usage of fuel, lubricants, bitumen etc, leakages/spillages shall be avoided and garland drain shall be constructed to avoid mixing of accidental spillages with water sources including lakes/ponds/streams/nallah and rivers.
13. Oil interceptors shall be provided wherever petroleum, oil, lubricants are handled / utilized /stored to avoid soil contamination.
14. Personal Protective Equipment shall be provided to workers and its usage shall be ensured and supervised.

15. First Aid Box at the site shall be made readily available in at all the times.
16. Training shall be given to all workers on safety and health aspects.
17. Adequate safety measures including warning signs to be provided at the accident prone sites.
18. Occupational health surveillance of the workers shall be carried out on a regular basis and proper records shall be maintained for the same. Pre-employment and periodical medical examination for all workers shall be undertaken as per statutory requirement.
19. The project management shall strictly comply with the provisions made in Manufacture Storage and Impact of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals. Necessary approvals from the Govt Authorities shall be obtained before commissioning of the project, if applicable. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act & Rules. Hazardous materials storage shall be at an isolated designated location, bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals. All transporting routes within the factory premise shall have paved roads to minimize splashes and spillages.

**A.5 HEALTH:**

20. Periodical Medical checking in the industrial units shall be done through reputed Medical Institutes/ Civil Hospitals/ ESIS/NIOH or Institutes designated by NIOH. The periodicity of such medical check up must be decided in Consultation with GPCB.

**A.6 NOISE:**

21. Adequate noise control/mitigation measures shall be adopted to minimize the noise from project activities.
22. Project activities including material transportation shall be restricted to day time only in the populated areas / in the proximity of human settlements.
23. The overall noise level in and around the construction area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.

**A.7 WASTE MINIMIZATION AND CLEANER PRODUCTION:**

24. The project proponent shall undertake following waste minimization measures:
  - a) Metering and control of quantities of active ingredients to minimize waste.
  - b) Reuse of by-products as raw materials or raw materials substitutes.
  - c) Use of automated and close filling to minimize spillages.
  - d) Use of close feed system into batch hoppers.
  - e) Use of high pressure hoses for equipment cleaning to reduce wastewater generation.

**A.8 GREEN BELT AND OTHER PLANTATION:**

25. The project proponent shall carry out extensive plantation in co-ordination with nearby schools, gram panchayat and other voluntary agencies.

**B. SPECIFIC CONDITIONS:**

26. All the issues raised in the public hearing shall be comprehensively addressed / complied with in a time bound manner.
27. Necessary approvals under the Forests Conservation Act, as may be applicable, shall be obtained before initiating the above project. The project proponent shall obtain necessary permission from competent

- authority for cutting the trees (6850 in numbers) prior to construction.
28. The existing alignment shall be strengthened and widened with adequate number of safety and environmental protection measures adopted.
  29. Adequate number of underpasses and pedestrian crossings shall be provided along the congested areas and other appropriate locations along the existing alignment.
  30. Measures such as barricades and pavements should be erected so that there is no encroachment along the road alignment.
  31. Adequate number of underpasses for animals and underpasses for vehicles especially for the agriculture produce shall be provided as per the requirements. Thorough study through consultation process shall be done for this purpose.
  32. Noise barriers including tree plantation shall be taken up all along the existing alignment and also along the proposed bypass.
  33. Adequate number of bus bays, truck bays and patrolling system shall be provided along the bypass. Proper road divider with adequate plantation shall be provided for unidirectional flow and to avoid glare from the vehicle coming from the opposite direction.
  34. The widening shall be carried out in such a way that the existing hydrology of the region is not affected adversely. Necessary cross drainage structures and culverts shall have to be provided at appropriate places with appropriate sizes to avoid flooding of rain water and associated impacts.
  35. It shall be ensured that the land area along the bypass is not encroached upon and ribbon development is triggered making it congested.
  36. Service lane as well as pedestrian crossing shall be provided along the populated area.
  37. The project proponent shall ensure total compliance of the fly ash rules and ensure maximum utilization of fly ash.
  38. Traffic management at the temporary diversions shall be done by providing adequate warning signages, road safety devices and flagmen along the road. Warning signages shall be provided in the local language.
  39. Accidents prone areas should be identified and all the safety measures to be provided as per IRC guidelines.
  40. It shall be ensured that no water bodies are affected due to the project.
  41. Ponds along the alignment if any shall be deepened and bunded. Impact on ponds if any shall be adequately mitigated.
  42. Surplus material generated during road construction shall be used to back fill / reclaim the quarries/borrow pits. All quarries and borrow area shall be restored and enhanced/rehabilitated as per their potential.
  43. The campsite for the project shall be designed keeping in view the environmental, health and safety considerations.
  44. Workshops, labour camp areas and storage yards shall be located at least 500 mtrs away from habitations and water bodies.
  45. Site offices, camps, workshops, labour camp areas and storage yards shall be restored to their original status on project completion.

**C. GENERAL CONDITIONS:**

46. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
47. The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards recommended in the EIA / EMP report as well as other proposals made by them.
48. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and

management.

49. No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
50. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
51. The project proponent shall inform the public that the project has been accorded Environmental Clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
52. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior Environmental Clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
53. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
54. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
55. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
56. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
57. This Environmental Clearance is valid for five years from the date of issue.

With regards,  
Yours sincerely,

**(SANJIV TYAGI)**  
**Member Secretary,**  
**State Level Environment Impact Assessment Authority**  
**Gujarat**

Copy to:-

1. The Secretary, Department of Environment & Forests, Govt. of Gujarat, Secretariat, Gandhinagar-382010.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
3. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-

5, Arera Colony, Link Road-3, Bhopal-462016, MP

4. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
5. Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10-A, Gandhinagar-382 010.
6. Select File.

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