

Minutes of the 316th meeting of the State Level Expert Appraisal Committee held on 07/12/2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar.

The 316th meeting of the State Level Expert Appraisal Committee (SEAC) was held on 7th December, 2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar. Following members attended the meeting:

1. *Shri T. P. Singh, Chairman, SEAC.*
2. *Shri V. C. Soni, Vice Chairman, SEAC.*
3. *Shri R. J. Shah, Member, SEAC.*
4. *Dr. V. K. Jain, Member, SEAC.*
5. *Shri Rajesh Shah, Member, SEAC.*
6. *Dr. Mayuri Pandya, Member, SEAC*

The agenda of TOR/Scoping/Category 8 (a) cases and Appraisal cases was taken up. Twenty five (25) cases of TOR/Scoping/Category 8 (a) was taken up. The applicants made presentations on the activities to be carried out along with other details furnished in the Form-1 / Form-1A, EIA report and other reports.

1	SIA/GJ/IND2/17472/2016	M/s: Taj Plyboards Pvt. Ltd. Block No. 223, Survey No. 146/2, Village : Karanj, Taluka: Mandvi, District : Surat.	Screening & Scoping
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Project / Activity No.: 5(f)

- M/s: Taj Plyboards Pvt. Ltd.** (herein after Project Proponent – PP) has submitted application vide their proposal no. SIA/GJ/IND2/17472/2016 dated 18/10/2016.

Project status: New

Project / Activity Details:

This is a new unit proposes the manufacturing of Synthetic organic chemicals as tabulated below:

Sr. No.	Name of the Products	Quantity MT/Month
1.	Phenol Formaldehyde Resin	130

The project falls under project activity 5(f) as per the schedule of EIA Notification 2006.

The location of the unit is outside the notified area. As per amendment to EIA Notification, 2006 vide SO 1599 (E) dated 25.06.2014, small units are categorized as Category “B” projects. Small units are defined as with water consumption less than 25 M3/day; Fuel consumption less than 25 TPD; and not covered in the category of MAH units as per the Management, Storage, Import of Hazardous Chemical Rules (MSIHC Rules), 1989. During presentation, PP informed that water requirement is 3.6 KL/day, Fuel requirement is 1.45 MT/day and Chemicals to be used are not covered in MAH category. Hence, the proposed project falls under Category B of project activity 5(f) as per the EIA Notification 2006.

Total plot area is 3998 sq. m & unit has proposed 1220 sq m area for the green belt development/ Tree

the projects & activities other than river valley projects & mining projects. It was noticed that the project proponent has submitted updated form – 1 & 1A to SEIAA Gujarat on 03/11/2016 which was received by SEAC on 08/11/2016 i.e within 30 days after validity period of Environmental Clearance dated 03/11/2009. Project proponent has also submitted a copy of permission obtained from Sardar Sarovar Narmada Nigam Limited for supply of 90 MLD Narmada water to the project. Copy of application made for obtaining NOC from Airports Authority of India for the proposed building height of 410 m has been submitted and it was presented that the application is in process. Results of average ambient air concentrations during post monsoon season submitted by them shows that ambient air quality in terms of RSMP, SPM, SO₂, NO_x & CO is well within the NAAQS of CPCB. It was presented that there are no changes in the project proposal with reference to built up area of the project, number of buildings & units to come up, resource requirement, waste generation etc. and the only reason for applying is validity extension of the Environmental Clearance order dated 03/11/2009 because the construction work of the project is not completed.

Considering the facts above, after detailed discussion, the committee unanimously decided to recommend the project to SEIAA Gujarat for validity extension of Environmental Clearance order dated 03/11/2009 for further 3 years.

23.	Smart Industrial Port City	at Village Adipur, Ta: Gandhidham, Dist: Kutch.	TOR/scoping case.
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This is a township project proposed on plot area of 23,50,307 m²(235 ha) and the built up area of the project will be 33,76,821.0 m². As the built up area of the project is >1,50,000 m² and land area of the project is > 50 ha., it falls in the project activity 8(b) as per the schedule annexed with the EIA Notification – 2006.

Project will comprise of 24,323 residential units, offices, shops, school, college, restaurants, sports complex, fire & police stations, library, bus terminal etc. Presentation made during the meeting included the details like the proposed TORs, layout plan, project details, sewage generation & management, resource requirement etc.

During the meeting, the project proponent was suggested to provide skill development centre of port related activities for the youth of surrounding villages. The Terms of Reference proposed by them were considered by the committee and the following Terms of Reference, in addition to the TORs proposed by them, were prescribed for preparation of the EIA report for study area of 5 km radial distance from boundaries of the proposed project site.

1. Land ownership documents.
2. Layout plan/s showing location of buildings, roads, D.G.sets, STP, composting facility, parking space, green belt (tree covered area), common plot, location of percolation wells etc. with different colour codes.
3. Provision of separate entry & exit and adequate margin all round the periphery for easy unobstructed movement of fire tender without reversing.
4. Implementation schedule of the project along with the bar chart.
5. A map of the study area delineating the major topographical features such as land use, drainage, locations of habitats, environmental sensitive areas, major constructions including roads, railways, pipelines, industries if any in the area are to be mentioned.
6. Land use map of the study area based on high resolution satellite imagery delineating the forest,

- agricultural land, water bodies, settlements and other cultural features. Details of change / creation in land use / land cover due to the proposed project.
7. Details of site topography along with the contour plan of the project area. Details of change in topography of the area due to the project.
 8. Project site specific details such as distance of the project site from the nearest (1) Village (2) Water Body: Creek / Nallah / Lake / Pond / Reservoir / Canal (3) National Highway (4) State Highway (5) Railway line (6) Heritage site (7) National Park / Wild Life Sanctuary and likely impact on them due to the proposed project along with the mitigation measures proposed to minimize the likely impact.
 9. Scope of the buildings to come up in the project as well as exact details of the residential units, service and commercial units as well as other amenities to come up in the project.
 10. Height of the buildings to come up in the project. Break up of FSI, built up area plot wise, block wise plan & area statement.
 11. Proposed fixed population as well as floating population including visitors considered for the proposed project.
 12. Source of water supply during the construction phase along with the expected quantity of the water requirement. Waste water disposal plan during the construction phase.
 13. Detailed fresh water consumption based on activity and area of the project as per the NBC norms. Permission from the concerned authority for water supply.
 14. Domestic waste water disposal plan during operation phase and permission of concerned authority for sewage disposal.
 15. Details of the STPs with size of each unit, its location on the plan and its adequacy. Measures proposed to prevent odour nuisance due to the STP operation. Provision of dual plumbing for reuse of treated sewage for purposes like flushing, cooling tower make up etc.
 16. Details of water conservation measures including provision of low water consuming devices.
 17. Application wise break up of treated sewage utilization. Adequacy of open land area available for utilizing treated sewage for plantation / gardening. Suitability of use of treated sewage on the land with respect to the soil characteristic etc. shall be studied and a report in this regard shall be submitted.
 18. Details of storm water management plan. Detailed plan to manage treated sewage in monsoon season. How it will be ensured that treated sewage won't flow outside the premises linked with storm water during high rainy days.
 19. Details of soil excavation / filling required for the project along with its quantification based on backup calculations. Details with respect to proposed use / disposal of excavated soil. Plan for management, use and disposal of construction debris including excavated materials during the construction phase.
 20. Details of top soil management plan during construction phase. If the topsoil is proposed to be preserved, the details relating to the quantity of topsoil stored, demarcated area on plan where it is stored along with preservation plan is to be given.
 21. Engineering controls proposed for dust control including barricading the site during the construction period.
 22. Details on impacts of air emission from the vehicles during the construction and operation phases, emission during loading, unloading, transportation and storage of construction materials etc. and

- mitigation measures thereof should be incorporated in the EIA report.
23. Details of the D.G. sets including fuel, quantity, stack height, location as well as the acoustic measures proposed to abate noise pollution.
 24. Map of the study area clearly delineating the location of monitoring stations for air, water, soil and noise, superimposed with location of habitats are to be shown.
 25. Details of base line ambient air quality monitoring data of one season other than monsoon for at least five locations in 5 km study area and impact analysis due to the proposed project. Parameters namely PM₁₀, PM_{2.5}, NO₂, SO_x and CO shall be considered. Air quality modelling shall be carried out for prediction of impact of the project on the air quality of the area. The details of the model used and the input parameters used for modelling shall be provided. The air quality contours shall be shown on the location map clearly indicating the location of site, location of sensitive receptors, if any, and habitation. Latest available IMD data shall be utilized.
 26. Details of incremental pollution load on the ambient air quality, noise and water quality due to the project.
 27. Plan to curb noise likely to be generated from the use of construction equipments like mixers, vibrators etc. Impact of project construction/operation on the noise on account of construction equipment, construction/demolition activities and road traffic is to be studied.
 28. Details with respect to the quantity of the generation of the garbage / Municipal Solid waste(biodegradable & recyclable waste), Bio Medical waste, electronic waste and mode of its treatment and disposal. Details of composting facility, if any proposed for composting of biodegradable waste.
 29. Details of authorized municipal solid waste facilities, biomedical treatment facilities and hazardous waste disposal facilities in the area should be included. Copy of permission obtained from concerned authority/ies should be submitted. Management and disposal of temporary structures, made during construction phase are to be addressed.
 30. Detailed parking plan showing accommodation of two wheelers and four wheelers, its adequacy for the project and norms adopted for the calculations. The details shall include the parking requirement on the basis of footfalls, as per present GDCR and National Building Code (NBC) guidelines for each individual component of the township. The backup calculations showing the bifurcation of the built up area according to the activity vis-à-vis parking area required shall be furnished. Mark the area of parking on the drawing in different colour codes. Also details of visitors parking, whether considered in total parking calculations / provisions or not.
 31. Details & map showing village road, if any, passing through the project site. Detailed traffic study & traffic management plan considering the floating and fixed population including visitors as well as existing traffic density on adjacent road during peak hours, projected increase in traffic density in operation phase of the project, carrying capacity of the existing roads, its adequacy during operation phase of the project and the measures to avoid the traffic congestion in the interior as well as the exterior roads.
 32. Base line status of the existing traffic, impact on it due to the project activities (prior to construction, during construction and at full site operation), carrying capacity of the existing roads and details of traffic management in and outside the project during construction and operation phase of the project.

33. Base line ecological status. In case of any scheduled fauna, conservation plan should be provided.
34. Details of existing trees to be protected / preserved / transplanted / removed. Detailed green belt development plan as per the CPCB guidelines, including area of tree plantation, its demarcation on the map, number and types of trees and budget allocation thereof. Also provide the break-up of greenbelt viz. the tree covered and lawn covered area.
35. Details of use of eco-friendly building material including fly ash bricks, fly ash paving blocks, RMC, lead free paints, use of PPC in concrete etc.
36. Perspective view of the building(s) to be constructed along with the materials used such as fibers, glass, etc. on the facades or external walls and the impacts thereof on the nearby buildings / residents due to heat island effect and emissions from the air conditioning systems.
37. Details of Green Building Concept to be adopted for the project.
38. Details of provisions to make the project energy efficient and adoption of modes of alternative eco friendly sources of energy, solar water heater, solar street lighting, LED lighting. Measures proposed to comply with the ECBC norms for energy conservation.
39. Scheme for rain water harvesting and ground water recharge with proper scientific calculations considering rainfall in the region, catchment area, land / soil characteristics, ground water recharge rate, duration of rain water harvesting etc. Details of provisions for pre-treatment of the rainwater in the case of surface run off is to be harvested. Location of recharge percolation wells on the layout plan.
40. Details of seismic zone of the project and design aspects required to be adhered to as per national standards for buildings to make it earthquake proof.
41. Details of the basic amenities and welfare facilities to be provided to the construction workers to ensure that they do not ruin the existing environment.
42. Details of safety measures proposed for the construction workers including provision of personal protection equipment. Details of registration and provisions to be made by the project proponent to follow Building and other Construction Workers Acts and Rules and undertaking for the same.
43. Plan showing emergency exits as well as location of stair cases, lifts and pathways etc. and compliance to the GDCR and NBC in this regard.
44. Details of first aid / fire fighting and other emergency services to be provided during construction phase and operation phase including the training to be provided to the residential staff of the project as first aid providers, fire fighters etc.
45. Details of disaster management plan during operation phase of the project should also include scenario of natural catastrophe like earth quake, cyclone and floods in addition to other disasters. The plan should include the details of (i) Emergency lighting plan (ii) details of power back up system in the case of emergency (iii) fire fighting arrangements (iv) first aid arrangement (v) training and mock drill (vi) emergency announcement system (vii) signages (viii) location of emergency stair cases and pathways etc.
46. Proposal for socio-economic development activities including community welfare program most useful in the project area for the overall improvement of the environment & skill development of the surrounding people. Submit a detailed plan for social corporate responsibilities, with appropriate budgetary provisions for the next five years and activities proposed to be carried out; specific to the current demographic status of the area.

47. Detailed Environment Management Plan with respect to various environmental attributes- Water, Air, Noise, Solid wastes including Hazardous Wastes, land etc. of the project both during construction and operation phase and strategy for its implementation with financial outlay. Details of monitoring / supervision cell to monitor environmental aspects during construction phase as well as operation phase including provision of qualified construction safety officer.
48. Certificate of accreditation issued by the NABET, QCI to the environmental consultant should be incorporated in the EIA Report.
49. A tabular chart with index for point-wise compliance of above TORs.

The above mentioned TORs shall be considered for the preparation of the EIA report in addition to all the relevant information as per the generic structure of EIA given in Appendix III in the EIA Notification, 2006. The project shall be appraised on receipt of the EIA report.

24 LIME STONE MINE OF VRAJLAL N. BHATT, DIST: JUNAGADH

SIA/GJ/MIN/17513/2016	Somnath Hydrates Lime and Chemical Industries Pvt. Limited, S NO: 42/1/P, Vill: Kherali, Ta: Veraval, Dist: Gir Somnath	15-13-52 Ha New	Junagadh
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Project proponent for the above referred proposal remained absent to represent proposal before the committee. Committee unanimously decided to defer the above proposal in one of the upcoming SEAC meeting.

25 Malundha Lime Stone Mine (R.J.Trivedi & Co.), Lessee: Shivam Mining (Lease Area: 37.23 Ha), S NO: 185/45, Vill: Malundha, Ta: Veraval, Dist: Gir Somnath (Proposal NO: SIA/GJ/MIN/17454/ 2016).

The project proponent applied for their new Limestone mine (Lease Area: 37.23 Ha) located at S NO: 185/45, Vill: Malundha, Ta: Veraval, Dist: Gir Somnath for production of 10,00,000 MTPA. The proposal falls in project / activity no. 1(a) of the Schedule of the EIA Notification, 2006 and as the lease area is less than 50 Hectares, it falls under category B.

The technical presentation of the project included introduction of the project regarding expansion, google map showing features surrounding to 500 meter & 10km of the lease area, site photographs, layout map, land use planning, process of mining, Pollution aspects and mitigation measures, Environmental Management Plan and Proposed TOR etc.

After detailed deliberation, considering the scale of project, Proposal is categorized as "B1" and committee unanimously decided to recommend following Standards TOR for the EIA study to be done considering 10 Km radius from the periphery of the mine lease area including additional project specific TOR to SEIAA.

1. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
2. A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.