

Minutes of 180th meeting of Expert Appraisal Committee for Projects related to Infrastructure Development, Industrial Estate/Parks/Complexes/Areas, Export Processing Zones /Special Economic Zones/Biotech Parks, Leather Complexes and National Highways held on 29th November, 2017 at Indira Paryavaran Bhawan, Ministry of Environment, Forest and Climate Change, Jor Bagh Road, New Delhi.

- 1. Opening remarks by the Chairman**
- 2. Confirmation of the minutes of the 177th meeting held on 16th October, 2017 at New Delhi**

(i) Agenda item No. 3.5: Goregaon - Mulund Link Road, Mumbai by M/s Municipal Corporation of Greater Mumbai – Further consideration for Terms of Reference - [IA/MH/MIS/65826/2017] [F. No. 10-40/2017-IA.III]

The Expert Appraisal Committee (EAC) discussed the representation received from Additional Municipal Commissioner (Project), Municipal Corporation of Greater Mumbai (BMC), Mumbai requesting modification in the minutes of 177th EAC Meeting for issue of ToR in respect of Goregaon-Mulund Link Road (GMLR) project. It was requested to exempt the public hearing for this project and also for collection of 3 months data instead of 12 months data for biodiversity study as recommended by the EAC.

EAC discussed the issue in length and concluded that no exemption can be given for Public Hearing as the proposal involves land acquisition and Rehabilitation and Resettlement (R & R) issues. If there are some issues raised by the local people during public hearing they should be listed clearly and a time bound action plan on community development should be prepared and implemented addressing all the issues raised during public hearing. Regarding reduction of time period for conducting Biodiversity study from 12 months to 3 months, it is important to mention here that the Government of Maharashtra has proposed one more project on “Development of Multi-modal Corridor from Navghar to Chirner”, which traverses through Sanjay Gandhi National Park. The Ministry has already granted ToR to this project vide letter no. 10-25/2014-IA.III dated 12.01.2015.

In view of above, EAC stated that above study is necessarily required to assess the impact on Biodiversity and wildlife and its habitat of the Sanjay Gandhi National Park. In view of the engineering activities and other underground works associated with tunnel and their impact on Biodiversity of the said National Park, EAC opined that comments from Additional Director General (Wildlife), MoEF&CC may be obtained to firm up the TOR.

(ii) The EAC, having taken note that no comment was offered on the minutes of other projects considered in its 177th meeting held on 16th October, 2017, and confirmed the same.

3. Consideration of Proposals

3.1	Development of Access Controlled Nagpur-Mumbai Expressway from Jalna-Buldana district Boarder to Aurangabad-Nashik district Boarder by Maharashtra State Road Development corporation Ltd – Further consideration of Environmental Clearance [IA/MH/MIS/67224/2016] [F.No.10-41/2016-IA.III]
3.1.1	<p>The project proponent made a presentation along with EIA Consultant Louis Berger, Gurgaon, Haryana before EAC in its meeting held on 8th September, 2017 and provided the following information to the Committee:</p> <ul style="list-style-type: none">(i) Development of Access Controlled Nagpur-Mumbai Expressway from Nhava village, Jalna Taluka, Jalna District (Border) to Surala village, Vaijapur Taluka, Aurangabad District (Border) Package III in Aurangabad Division of 155 km length in the state of Maharashtra) by M/s Maharashtra State Road Development Corporation (MSRDC) Limited.(ii) This is Greenfield alignment and will reduce travel time, fuel consumption, vehicle operation and maintenance cost in comparison to the existing alternatives. It is planned to develop new industrial/educational/commercial/tourism nodes in vicinity of expressway at a regular interval of 40-50 km.(iii) Forest area for which diversion is sought – 26.877 ha.(iv) As per the JMS, 399 trees in forest area and 21,627 number of trees/shrubs in Non-forest area are going to be affected by the project in entire length. All the felled trees will be compensated as per rules.(v) Three tier (rows) plantation shall be carried out on each side of the expressway except the locations where it is not feasible. In the median shrubs and flowering plants will be planted which will enhance the ecology of the area.(vi) Around 350 KLD water per day will be required and the contractor will be procure from the multiple resources like river, ponds, water stored in quarries and underground resource after obtaining due permissions/ approval from concern authorities.(vii) Mobile Sewage Treatment Plant will be installed in Camp for treatment of waste water generated from the labour camps. Recycled water will be used for irrigation purpose within same area.(viii) Waste generated from the construction activities will be recycled and used for embankment filling. No hazardous waste will be generated.

	<ul style="list-style-type: none"> (ix) Aerial distance of project area from nearest Protected Ecological Areas – Beyond 45 km. (x) It is not located within 10 km of any Eco Sensitive areas. (xi) Investment/Cost: The total cost of the project is Rs. 4,704.90 crores. (xii) The project was accorded ToR vide letter No. 10-41/2016-IA.III dated 17th Aug 2016. (xiii) Public Hearing was held on Jalna district 3rd May, 2017 and Aurangabad district 6th May 2017. (xiv) Benefits of the project: <ul style="list-style-type: none"> (a) Implementation of entire project will ensure fast and safe road traffic movement, reducing travel time to half by achieving speed of 150km/hour for motor vehicles. (b) Creation of commercial nodes for multiple development mainly in industrial, commercial, agricultural, tourism sectors resulting in to employment generation, capacity building as well as connectivity between industrial places like Butibori, Amravati, Jalna, Chikalthana, Shendra, Waluj, Sinnar to Mumbai, and tourist and religious places at Karanja, Lonar, Sindkhedraja, Verul, Shirdi. (c) Development of all three regions; Kokan, Marathwada and Vidarbha of the Maharashtra state.
<p>3.1.2</p>	<p>During the deliberation in its meeting held on 8th September, 2017, the Committee noted that:</p> <ul style="list-style-type: none"> (i) The proposal is for grant of Environmental clearance for development of Access Controlled Nagpur-Mumbai Expressway from Nhava village, Jalna Taluka, Jalna District (Border) to Surala village, Vaijapur Taluka, Aurangabad District (Border) Package III in Aurangabad Division of 155 km length in the state of Maharashtra) by M/s Maharashtra State Road Development Corporation Limited. (ii) Submission of certificate from QCI/NABET as Accredited EIA consultant organization who prepared EIA/EMP report of above project and self-declaration of EIA consultant organization and experts involved in preparation of EIA/EMP report. (iii) NOC from Archaeological survey of India as the proposed project site falls within 1.5 km to 7 km from Archaeological Monuments. (iv) Justification of the choosing alignment options of the project not addressed properly in chapter-5 of EIA/EMP report. (v) There is a discrepancy in EIA/EMP report regarding diversion of agriculture land area in Ha.

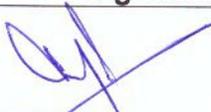
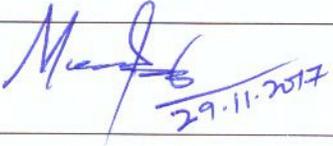
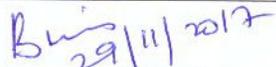
	<ul style="list-style-type: none"> (vi) Culverts to be constructed and designed based on the hydrological study and animals crossing paths. Wildlife Institute of India to be approached to provide locations of animal crossings if any in the proposed alignment. In case of presence of wildlife corridor/crossings in the region appropriate safeguard measures and mitigation plan to be developed by Wildlife Institute of India. (vii) Air modeling details to be furnished in tabular form like Baseline values, incremental values due to prediction and total values at all air monitoring stations. (viii) Noise modeling details to be furnished in tabular form like Baseline values, incremental values due to prediction and total values at all noise monitoring stations. (ix) Details traffic density study to be carried out with its impact due to proposed industrial area. (x) Status of Forest clearance for 26.877 ha Forest land involved. (xi) Details of public hearing issues raised, commitments made by project proponent during public hearing and also time bound action plan for implementation of same along with fund provision. (xii) Details of CSR activities proposed along with budget provision with special emphasis on water conservation and ground water rejuvenation considering that the area is drought prone region. (xiii) Green belt/afforestation along the proposed road must be developed using only native species of plants. No exotic species to be used. List of native species can be procured from local forest department or Botanical Survey of India (BSI). <p>The proposal was accepted in principle considering the larger public interest. However the project proponent was advised to send clarifications and plans on above observations (points 3.2.2.ii to 3.2.2.xii) for further consideration for granting of Environmental clearance.</p>
<p>3.1.3</p>	<p>During deliberations in 180th meeting held on 29th November, 2017, the EAC noted the following:</p> <ul style="list-style-type: none"> (i) Submitted certificate from QCI/NABET as accredited consultant organization and self-declaration of EIA consultant organization and experts involved in preparation of EIA/EMP report. (ii) Informed that application for NOC was submitted to the Archaeological Survey of India. It was also informed that Archaeological monuments are more than 300 m away from the proposed site. (iii) Also submitted the justification for choosing selected alignment option out of four options, which were presented before EAC.

	<ul style="list-style-type: none"> (iv) Informed that there was a typographical mistake regarding diversion of agriculture land. Total land required for the project 2349.46 ha. (v) Submitted Air and Noise Quality Modelling details in tabular form like base line values, incremental values due to prediction and total values at all Air and Noise Monitoring Stations well within the prescribed limits. (vi) Submitted the traffic density study on the proposed Expressway. (vii) Informed that State Government has recommended the diversion of 26.877 ha forest land. (viii) Submitted details of public hearing issues raised along with the commitments made by the proponent and time bound action plan. The issues raised include compensation with regard to land acquisition, protection of Nahar-E-Amber channel at Palshi village, obstruction to cross drainage, water flow/supply, tree cutting and plantation. (ix) MSRDC Ltd. proposes to use abandoned quarry locations to store water for construction use. For this, existing abandoned quarries are being identified in the vicinity of project site and these quarries shall be developed for water storage. After completion of project, local community can use these sites for their benefits. It is also informed that they approached Groundwater Surveys and Development agency (GSDA) to suggest ways for conservation of water. (x) Informed that 3 tier plantation shall be carried out as per guidelines for green highways project by National Green Highways Mission of NHAI on each side of the expressway at all feasible locations. In addition, median plantation shall be carried out as per IRC: SP-21:2009 Guidelines. (xi) Proponent agreed to provide separate budget provision for CSR activities. (xii) Proponent agreed to consult Wildlife Institute of India, Dehradun, regarding mitigation measures in animal crossing areas along the proposed alignment, if any.
<p>3.1.4</p>	<p>The EAC, after detailed deliberations during 180th meeting held on 29.11.2017, recommended the project for grant of Environmental Clearance for “Development of Access Controlled Nagpur-Mumbai Expressway from Jalna-Buldana district Boarder to Aurangabad-Nashik district Boarder in the state of Maharashtra by MSRDC Ltd.” subject to compliance of all generic conditions applicable for such projects, and the additional conditions as under:</p> <ul style="list-style-type: none"> (i) Responsibility for implementation of EC conditions rests with the MSRDC Ltd., Government of Maharashtra. (ii) The proponent needs to obtain necessary clearance/NOC from Archaeological Survey of India, if applicable.

	<ul style="list-style-type: none"> (iii) Proponent shall consult Chief Wildlife Warden, Government of Maharashtra and Wildlife Institute of India, Dehradun, regarding disturbance to animal movement across the proposed alignment, if any and the mitigation measures. The report shall be submitted to the MoEF&CC and concerned regional office within 3 months of the issue of EC. (iv) Effective mitigation measures to be taken to control Air Pollution during construction phase. (v) Noise barriers to be provided along with the length of the road as habitation/villages located within 250 m from central line on either side from the proposed carriageway. (vi) No ground water to be used during construction phase. (vii) Proponent shall carry out 3 tier plantation as per guidelines for green highways project by National Green Highways Mission of NHAI on each side of the expressway at all feasible locations. Wherever it is not feasible, small 2 feet deep rain water storage tanks with fodder grasses, which provide moisture to the plants in rounds the year and local animals can also use it. In addition, median plantation shall be carried out as per IRC: SP-21:2009 Guidelines. For example, in the median, shrubs and high protein fodder grasses and flowering plants like <i>Bogenwalia</i> shall be planted which will enhance the ecology of the area. (viii) Third party monitoring and evaluation of plantation to be carried out by the competent agency engaged by the implementing agency. The monitoring and evaluation report shall be submitted to MoEF&CC and concerned regional office. (ix) Proponent shall submit budget (capital and revenue) allocated for CSR activities long with the details of activities to MoEF&CC and concerned regional office within 3 months of issue of EC. (x) Details of CER activities proposed along with budget provision head wise under the CER with emphasis on ecosystem balance, rain water conservation and ground water rejuvenation considering that the area is drought prone region. An action plan related to plantation of those species which can retain water and recharge the ground water should be given priority. (xi) The proponent shall ensure the rehabilitation to religious structures.
<p>3.2</p>	<p>Rehabilitation and Upgradation of the existing carriageway to 4/6 lane of Cuttack Angul Section ofNH-42 from km. 0.000 km 112.00 – Amendment of Environmental Clearance [IA/OR/MIS/18259/2013] [F. No. 10-76/2011-IA.III]</p>

3.2.1	The project proponent did not attend the meeting.
3.3	Establishment of “Bhal Industrial Park” to be set up at villages Moti Boru and Bholad of taluka Dholka, District Ahmedabad, Gujarat by M/s. Gujarat (Bhal) Construction Ltd. – Terms of Reference [IA/GJ/NCP/67353/2017] [F. No.21-329/2017-IA.III]
3.3.1	Neither the proponent nor the authorised representative of the proponent as per the MOEF&CC OM dated 25.02.2010 were present before EAC, hence project was not considered.
3.4	Setting-up of “Sira Industrial Area” at Sira Taluk, Tumkur District, Karnataka by M/s Karnataka Industrial Area Development Board (KIADB) - Terms of Reference [IA/KA/NCP/64746/2017] [F. No. 21-359/2017-IA.III]
3.4.1	<p>The proposal was not considered by the EAC due to lack of clarity on scoping of the proposal. Apparently project belongs to category B, However, proponent emphasized for appraisal as category A. EAC advised the proponent to submit following information for further consideration of the project at MOEF&CC.</p> <ul style="list-style-type: none"> a) Category wise list (Category A or Category B) of Industries to be housed in the proposed Industrial Area. b) Certificate from Chief Wildlife Warden regarding notification of Kagaladu Bird Sanctuary. If notified then distance of proposed Industrial area from the Kagaladu Bird Sanctuary may be obtained from CWLW. c) Certificate from Survey of India regarding shortest distance of proposed site boundary from the inter-state boundary.
3.5	Discussion on Standardization of Environmental Clearance and CRZ Clearance conditions of Industrial estate/parks/complexes/areas, Export processing Zones, Special Economic Zones, Biotech Parks, Leather complexes and National Highways projects.
3.5.1	The draft prepared on Standardization of Environmental Clearance and CRZ Clearance conditions was circulated to the present members in the meeting. The committee was of the view that all members provide their comments/suggestions on above draft and specific points related to their sector and submit to Member secretary on or before 10.12.2017 for further discussions for finalisation.

List of the Members attended 180th meeting of Expert Appraisal Committee for Projects related to Infrastructure Development, Industrial Estate and Miscellaneous projects held on 29^h November 2017 and approved the above minutes.

Sl. No.	Name of the EAC member	Role/Designation	Signature
1.	Dr. Deepak Arun Apte, Director, Bombay Natural History Society (BNHS), Mumbai	Chairman	
2.	Dr. V.K. Jain, Professor of Chemistry, School of Sciences, Gujarat University, Ahmedabad	Member	
3.	Dr. M.V. Ramana Murthy, Project Director, NIOT Campus, Pallikarai, Chennai	Member	
4.	Shri T.P Singh, Advisor, MEITY, New Delhi	Member	Absent
5.	Dr. N.K. Verma, Former AD, CPCB, New Delhi	Member	
6.	Dr. Asha Ashok Juwarkar, Former Chief Scientist and Head, NEERI, Nagpur	Member	Absent
7.	Dr. Anil Kumar Singh, IFS (Retd), Ex PCCF Assam, Tower F, Float No. 103 Grand Ajnara Heritage, Sector 74, Noida, UP	Member	
8.	Dr. Mohan Singh Panwar, Associate Professor, Garhwal University, Uttarakhand.	Member	 29.11.2017
9.	Shri Narendra Surana, Managing Director, Bhagyanagar India Limited and Surana Telecom. and Power Limited, Hyderabad	Member	Absent
10.	Shri Prabhakar Singh, Special DG, CPWD, Delhi Region, Nirman Bhawan, New Delhi (Building Construction Sector)	Member	Absent
11.	Dr. Anuradha Shukla, Central Road Research Institute (CRRRI), Mathura Road, New Delhi	Member	Absent
12.	Dr. D. Chakraborty, Scientist MoWR, RD & GR, New Delhi	Member	Absent
13.	Shri N.K. Gupta, Member (EAC), Scientist E & In-charge (ESS), Central Pollution Control Board,	Member	Absent
14.	Smt. Bindu Manghat, Director Survey of India New Delhi	Member	 29/11/2017

Sl. No.	Name of the EAC member	Role/Designation	Signature
15.	Shri Raghu Kumar Kodali, Director/Scientist-F, IA-III Division, MoEF&CC	Member Secretary (Infra-1 EAC)	<i>Reena</i> 29.11.2017
16.	Dr. Ashish Kumar, Joint Director, Ministry of Environment, Forest and Climate Change,	Special invitee	<i>Ashish</i> 29.11.2017