Minutes for 12th meeting of Expert Appraisal Committee (Infra-2) for Projects related to All ship breaking yard including ship breaking unit, Airport, Common Hazardous Waste Treatment, Storage and Disposal Facilities, Ports and Harbours, Aerial Ropeways, CETPs, Common Municipal Solid Waste Management Facility, Building/Construction Project, Townships and Area Development projects to be held on 26-28 December, 2016.

Monday, 26th December, 2016

12.1. Confirmation of Minutes of 11th EAC Meeting for Infra-2 held on **24-25November, 2016**

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Minutes of 11th EAC Meeting for Infra-2 held on 24-25November, 2016 were confirmed.

12.2. Consideration of Proposals

12.2.1	**Establishment of 6 nos. Material Ropeways for the construction of Chanju-III at Village Dantoi, Tehsil Churah, Distt. Chamba, Himachal Pradesh by M/s Himachal Pradesh Power Corporation Limited- TOR regarding** (10-82/2016-IA-III**)** (IA/HP/MIS/59995/2016) • The committee noted that the proposal is incomplete and hence cannot be considered. • Examination of site alternatives and reasons for selecting the site should be given. • The sensitivity Analysis for 15 kilometers on all sides of the project (because of being a linear project) needs to be provided. • It was decided to submit revised Form –I alongwith all details, which will be considered as a fresh application.
12.2.2	**Installation of 5 no. of Material Ropeways for the construction of DeothalChanju Project at Dehra Panchayat, Chaurah Tehsil of Distt. Chmaba, Himachal Pradesh by Himachal Pradesh Power Corporation Limited. - TOR regarding (10-83/2016-IA-II;**IA/HP/MIS/60011/2016) • The committee noted that the proposal is incomplete and hence cannot be considered. • Examination of site alternatives and reasons for selecting the site should be given. • The sensitivity Analysis for 15 kilometers on all sides of the project (because of being a linear project) needs to be provided. • It was decided to submit revised Form –I alongwith all details, which will be considered as a fresh application.
12.2.3	**Extension of Runway at Rajahmundry Airport at Village Madhurapudi, District East Godavari (Andhra Pradesh) by M/s Airports Authority of India – Environment Clearance reg.** (10-16/2016-IA-III; IA/AP/MIS/49113/2016) The project authorities and their consultant (M/s Vimta Labs Limited) gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken as per Draft Terms of References (TORs) awarded during the 4th Meeting of the Expert Appraisal Committee (Infrastructure) held during 28th - 29th March, 2016 for preparation of EIA-EMP report. All the projects related to Airports are listed at 7(a) of

	schedule of EIA Notification, 2006 covered under category 'A' and appraised at central level. M/s Airports Authority of India has proposed for extension of runway at Rajahmundry Airport at Village Madhurapudi, District East Godavari (Andhra Pradesh) The existing airport is currently handling about 12airport is about 225 PAX/hr. To meet the growing demand of the traffic and to facilitate bigger aircrafts of A-321 type, it is proposed to extend the runway from 1749 m to 3165 m. The cost of project is Rs. 181.45 Crores. It is reported that no eco-sensitive area is located within a distance of 10 km. Reserve Forest namely, Divancheruvu West RF (5.7 km, S) and Divancheruvu East RF (5.5 km, SE) are located within 10 km distance. Godavari river (4.9 km, SW) is flowing at a distance of 4.9 km. No forest land is involved in the proposed project. Presently, the airport is situated on 366.46 acres of land. Government of Andhra Pradesh has allotted additional land to the extent of 857.09 acres to AAI at free of cost and free from all encumbrances for airport expansion work. The total land after runway extension will be 1223.55 acres. No R & R issues are involved. Entire compensation for land acquisition is being borne by Government Andhra Pradesh. Till date, government of Andhra Pradesh has given possession of 852.42 acres of land to AAI and the remaining 4.67 acres of Government land is yet to be given by Government of Andhra Pradesh. The total land after runway extension will be 1223.55 acres. Extension of runway and strengthening and resurfacing of existing runway facilities are detailed below: i. Extension of Runway towards RWY 05 by 1374 m and RWY 23 by 42 m suitable to cater for A-321 type of aircraft from 1749 m to 3165 m; ii. Strengthening /Resurfacing of existing runway 05/23 suitable for A-321 type of aircrafts; iii. Provision of turn pad at both ends of runway and with suitable strength for A- 321 type of aircrafts; iv. Provision of pavement against blast erosion of dimension 60 m x 60 m at both ends of runway; v. Provision of 7.5 m wide shoulders on both side of runway and shoulder strength to facilitate operation of A-321 type of aircraft; vi. Provision of adequate fillets at all intersections as well as taxiways leading to the new apron. The critical aircraft to be considered for fillet design shall be A- 321 aircraft; vii. Provision of runway markings; viii. Storm water drainage and rain water harvesting works in operational area; and Leveling and grading for operational area. Additionally, the PP informed the Committee that ambient air quality monitoring was carried out at 8 locations during 1st March 2016 to 31st May 2016 and submitted baseline data indicates that ranges of concentrations of PM10 (40.7 µg/m3 to 58.8 µg/m3), PM2.5 (29.4 µg/m3 to 39.7 µg/m3), SO2 (11.8 µg/m3 to 20.1ug/m3) and NOx (15.7 µg/m3 to 26.6 µg/m3) respectively. AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 2.7 µg/m3, 28.8 µg/m3, 22.3 µg/m3 and 0.05 µg/m3, with respect to SO2, NOx, CO and PM. The resultant concentrations are within the NAAQS. Aircrafts shall be operated in accordance with ICAO/USEPA standards to ensure aircraft emissions are within specified standards; Allowing aircrafts with certified engines only to land and take-off, as far as possible; Shut down engines during idling and taxing; Single engine taxing and reduced taxing would be

effective in reducing emissions of HC and CO from aircrafts. During operation phase, fresh water requirement from ground water source will be increased from 80 m^3/day to 125 m^3/day after the extension project. Wastewater generation will be 60 m^3/day and treated in the STP. The treated wastewater from the STP will be reused/recycled for air conditioning, cooling water make-up and green belt development. During monsoon season run-off from construction site will be routed to a temporary sedimentation tank for settlement of suspended solids. Sprinkling of water in the construction area and restricting dust-generating activities. The construction equipment will be regularly serviced and lubricated. Equipment shall be designed to conform to noise levels prescribed by regulatory agencies. Flight scheduling will be properly done so that the sensitive timings are avoided. The sludge generated from the STP will be used as manure for greenbelt development. Used oil from the DG sets will be stored as per Hazardous Storage & Management Rules and will be given to APPCB authorized agencies. Being a part of green initiative Rajahmundry airport is proposing to install 1 MW solar power plant to handle the additional power load.

The Committee deliberated upon the issues raised during the Public Hearing / Public Consultation meeting conducted by the AP Pollution Control Board on 6th October 2016. The issues were raised regarding land acquisition; compensation paid to farmers; insufficient road width; to open high school; Madhurapudi village is facing drinking water problem; unemployment; etc. In response, PP informed that Compensation paid to farmers by Govt. of AP as per the procedure laid down in the Land Acquisition Act- 2013. As regard to employment opportunities, PP informed that AAI is providing opportunities to local people for employment as and when need arises. The proposed expansion will create ingenerating direct and indirect employment. The Committee noted that issues have satisfactorily been responded by the project proponent and incorporated in the final EIA-EMP report

After detailed deliberations, the Committee recommended the project for environmental clearance and stipulated the following specific conditions along with other environmental conditions while considering for accord of environmental clearance:

i. PP shall obtain clearance from DGCA and AAI for safety and project facilities.

ii. Construction site should be adequately barricaded before the construction begins.

iii. Soil and other construction materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty material wet.

iv. The soil/construction materials carried by the vehicle should be covered by impervious sheeting to ensure that the dusty materials do not leak from the vehicle.

v. The excavation working area should be sprayed with water after operation so as to maintain the entire surface wet.

vi. Soil stockpile shall be managed in such a manner that dust emission and sediment runoff are minimised. Ensure that soil stockpiles are designed with no slope greater than 2:1 (horizontal/vertical). Top soil shall be separately stored and used in the development of green belt.

vii. A detailed drainage plan for rain water shall be drawn up and implemented.

viii. Noise from vehicles and power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.

ix. Where construction activity is likely to cause noise nuisance to nearby residents, restrict operation hours between 7 am to 6 pm.

	x.	Solid inert waste found on construction sites consists of building rubble, demolition material, concrete, bricks, timber, plastic, glass, metals, bitumen etc shall be reused/recycled or disposed off as per solid waste management rule, 2016.
	xi.	Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
	xii.	Aircraft maintenance, sensitivity of the location where activities are undertaken, and control of runoff of potential contaminants, chemicals etc shall be properly implemented and reported.
	xiii.	Proper drainage systems, emergency containment in the event of a major spill during monsoon season etc shall be provided.
	xiv.	The run off from paved structures like Runways, Taxiways, can be routed through drains to oil separation tanks and sedimentation basins before being discharged into rainwater harvesting structures.
	xv.	Storm water drains are to be built for discharging storm water from the air-field to avoid flooding/water logging in project area during monsoon season / cloud bursts.
	xvi.	Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease.
	xvii.	Total fresh water requirement from ground water source shall not exceed 125 m^3/day. Prior permission from CGWA shall be obtained.
	xviii.	Wastewater generation shall not exceed 60 KLD and treated in the STP. Treated sewage shall be recycled/reused for cooling tower make up, flushing and horticulture.
	xix.	Acoustic enclosures for DG sets, noise barriers for ground- run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
	xx.	During airport operation period, noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
	xxi.	The solid wastes shall be segregated as per the norms of the municipal solid waste management and Handling rules. Recycling of wastes such as paper, glass (produced from terminals and aircraft caterers), metal (at aircraft maintenance site), plastics (from aircrafts, terminals and offices), wood, waste oil and solvents (from maintenance and engineering operations), kitchen wastes and vegetable oils (from caterers) shall be carried out.
	xxii.	Traffic congestion near the entry and exit points from the roads adjoining the Airport shall be avoided. Parking should be fully internalized and no public space should be utilized.
	xxiii.	Energy conservation measures like installation of LED/CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. As proposed, one megawatt solar

	power generation facility shall be created. xxiv. An onsite disaster management plan shall be drawn up to account for risks and accidents. This onsite plan shall be dovetailed with the onsite management plan for the district.
12.2.4	**Development of Bulk Liquid Berth for handling LNG at Karaikal Port, Puducherry by *M/s* Karaikal Port Private Ltd.– Environment Clearance reg.** (11-41/2013-IA.III; IA/PY/MIS/19327/2013) The project authorities and their consultant (Indomer Coastal Hydraulics (P) Ltd.) gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken as per Draft Terms of References (TORs) awarded during the 127th Meeting of the Expert Appraisal Committee (Infrastructure) held during 29th October 2013 for preparation of EIA-EMP report. All the projects related to Ports and Harbour i.e. ≥5 million TPA of cargo handling capacity (excluding fishing harbours) are listed at 7 (e) of schedule of EIA Notification, 2006 covered under category 'A' and appraised at central level. *M/s* Karaikal Port Private Ltd. has proposed for development of Bulk Liquid Berth for handling LNG at Karaikal Port, Puducherry. *At present the port is capable of handling 21.5 MTPA of various cargoes like Coal, General Cargoes,Containers, Crude oil, Edible oil, Project cargoes etc. The details of the existing facilities are as given below:* (a) *Two breakwaters one on the north side and another on the south side.* (b) *Five operational berths (2 cape size and 2 Panamax size berths and 1 OSV).* *(c) Approach channel with a dredged depth of (-) 16.5 m CD and Berths with a dredged depth of(-) 15.5 m CD.* *(d) Open cargo storage area of about 6,50,000 m2.* *(e) Covered area for cargo storage about 63,000 m2 (Warehouses).* *(f) Three numbers of dedicated railways siding within port premises and connected to main railway line between Nagore and Karaikal.* *(g) Internal roads and Road connectivity to NH 45A & NH 67.* *(h) Adequate tugs, mooring boats and navigational aids.* *(i) Adequate Fire fighting capabilities.* *(j) Adequate Pollution Control & Monitoring systems Proposed Bulk liquid berth for handling LNG.* The present proposal involves the development of Bulk Liquid Berth for handling LNG through Floating Storage Regasification Unit (FSRU)/Floating storage unit (FSU) with LNG vessel berthedalongside and connected to the shore by means of an approach jetty. Cost of project is Rs. 2610 Crore. The design capacity of the proposed LNG terminal will be up to 5 MMTPA (Million Tonne per Annum) with appropriate operational flexibility up to maximum 6 MMTPA. The proposed LNG terminal project will consist of the combination or only of FSUs/FSRUs/Onshore development of following facilities.

	It is proposed to maintain a depth of (-) 19.0 m CD alongside of the berth. LNG upto 5 MMTPA can be handled at this berth facility. Provision of Buffer LNG storage tanks within the port also comes under the proposed project. The LNG line from the port will be directly connected to the GAIL network which is within 4 km proximity of the port. For the development of LNG Terminal at Karaikal Port, the site was selected at the southern side of the port, after considering three locations within the port, i.e. Southern side of the port, Northern side of the port and Outer harbour. A terminal option analysis. Following facilities will be developed: **Breakwaters:** There are two breakwaters, one on the northern side and the other on the southern side. The proposed Liquid berth for handling will be setup along the south breakwater. **Berths:** A Bulk Liquid Berth will be developed for handling LNG through FSRU/FSU with LNG vessel berthed alongside and connected to the shore by means of an approach jetty. *Turning circle:* The diameter of the turning circle from the present 500 m and the depth of (-) 15.5 m CD will be increased to 600 m and (-) 19.0 m CD for the development of bulk liquid berth. **Approach channel***:* For the proposed LNG terminal requirement the length of the approach channel will be 11000 m, the inner and outer channel will be dredged to a depth of (-) 19.0 m CD and (-) 19.8 m CD respectively. The width of the approach channel will be 260 m. Power generation for the FSU includes three 22-MW gas turbines with SCR for the control of NOx emissions and waste heat recovery units (WHRUs); this system will come as part of the FSU. It is reported that the water is well oxygenated, nutrient rich and biologically productive at primary and secondary levels. The sub-tidal benthic fauna is moderately rich in diversity and numbers compare to the Inter tidal benthic fauna. The marine flora and fauna also indicate the existence of diverse population. The area is rich in both pelagic and demersal fisheries. The presence of mangroves at open beach is absent and they are sparsely present inside the river mouth. The study on various oceanographic parameters and the information on adjacent region indicate that the coastal water relatively clean and moderately productive. The flare stack will comprise five flares and one spare flare. The stack will be a steel structure and stand upto a maximum 100 m height. The average rate of seawater intake into and discharge from this system based on annual water usage would be approximately 14,900 m^3/day; the majority of the seawater would be used in the ballast system.To fulfil the present water requirement of about 100 KLD is being sourced from the existing RO plant while the development has permission for Desalination plant of capacity 300 KLD; the capacity will be enhanced over a period in stages to 2 MLD. New STP of 50 KLD will be provided to treat the additional sewage. Waste will be generated during operation phase due to additional ships coming into harbour (100 kg/d). The Channel will be deepen to (-) 19.8 m and the amount of dredge generated will be about 14 x 106 m 3 of which 13.0 x 106 m 3will be dumped at approved dumping site, while the balance 1.0 x 106 m 3will be used for reclamation/beach nourishment. The berth area would be dredged up to (-) 15.5 m. The dredging quantity is estimated as 14 x 106 m 3 . Out of which, 1.0 x 106 m 3 is proposed for the backup area and the rest will be disposed off in the MoEFCC designated disposal point in the deep sea. The dumping sites approved by MoEF vide letter No.10-2/2006-IA-III dtd.

	15.10.08 are Lat. 10°52.8' N Long. 80° 0.5' E, Lat. 10°50.4' N Long. 80° 0.5' E and Lat. 10°48.0' N Long. 80° 0.5' E. and shall be used as per the conditions specified in the letter. The total volume of r e t u r n cooling water that would be discharged into the sea is 6500 m3 /hour with 8° C and it will be mixed with 6500 m3 /hour of seawater with ambient temperature. The resultant water will have a temperature of 18 °C. The outfall diffuser will have the multi ports of 300 nos.x 150 mm diameter placed along the south breakwater for a distance of 450 m. All the ports will be oriented 45° to the horizontal. Puducherry Coastal Zone Management Authority vide letter no. 448/DSTE/PCZMA/NOC/SCI/2016/519 dated 3.10.2016 has recommended the proposal for MoEF&CC for consideration of CRZ clearance. It is also reported that as per CRZ map duly demarcation of HTL CRZ Boundary etc. prepare by the Institute of Remote Sensing, Anna University, the proposed activities falls within CRZ – III and CRZ IV Categories. *The Committee deliberated upon the issues raised during the Public Hearing / Public Consultation meeting conducted by the PCC, Pondicherry on 26.10.2016.*The concerns were raised regarding greenbelt, risk assessment, local employment, existing port related issues etc. After detailed deliberation, the Committee sought following additional information: (a) Copy of certified compliance report issued by the Regional Office, Chennai/Bangalore on the environmental condition stipulated in the existing EC. *(b)* As per EIA report, *cargo handling capacity of the existing Port is mentioned as 21.5 TPA and some place it is mentioned as 32 MTPA. Pl. clarify.* (c) The project proponents were advised to prepare a detailed biodiversity impact assessment report and management plan through the NIOS or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity. The report shall study the impact on the rivers, estuary and the sea and include the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, subtidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles , birds etc. as also the productivity. The data collection and impact assessment shall be as per standard survey methods. (d) Prediction of ground level concentration for the emissions from turbine/boiler of FSRU Ship. (e) A management plan to control temperature differences between intake water, and discharge shall be submitted along with possible impacts and managed strictly. (f) The impact assessment shall also study the impact on the/ of the dumping ground through dredging disposals. The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.
12.2.5	**Development of Jharsuguda Airport for A- 320 Operations, Jharsuguda, Odisha by M/s Airport Authority of India – Environment Clearance reg. (IA/OR/MIS/25791/2014; 10-28/2014-IA-III)** The project authorities and their consultant (M/s Vimta Labs Limited) gave a detailed

presentation on the salient features of the project and proposed environmental protection measures to be undertaken as per Draft Terms of References (TORs) awarded during the Meeting of the Expert Appraisal Committee (Infrastructure) held during 28th January, 2015 for preparation of EIA-EMP report. All the projects related to Airports are listed at 7(a) of schedule of EIA Notification, 2006 covered under category 'A' and appraised at central level.

M/s Airport Authority of India has proposed for Development of Jharsuguda Airport for A- 320 Operations, Jharsuguda, Odisha**.** Proposed facilities will be developed:

S.N.	Particulars	Details
1	Type of Airport	4C
2	Aircraft	A320 type of aircrafts
3	Terminal building Area	5500 sqm, 300 PHP
4	Runway	Strengthening and extension of existing runway (1882 m X 45 m to 2391 x 45 m)
5	Link Taxiway	Strengthening of existing taxiway (375 m X 23 m with Shoulders of 7.5 m width along both sides of taxiway)
6	Apron	288 m x 180 m
7	Fire Station	Category VII
8	Boundary wall	Boundary wall to be constructed along with perimeter road of 3.75 m width
9	Isolation Bay	64 m x 79 m with link taxiway
10	Car Park	150 cars & 5 buses, VIP car parks (20 cars)
11	**Construction of New Technical Block cum Control Tower**	
12	**Construction of Fire Station and MT Workshop**	
13	**Construction of Residential Quarters:** Construction of Residential Quarters (Type B 8.0 nos, Type C-8.0nos, Type D- 4.0nos & Type E-1.0 no.) including transit accommodation for AAI staff, Recreation club etc.	

The total land required for developing the airport is about 967.5 acres, out of which 671 acres of land is already under possession of Airports Authority of India (AAI). Government of Odisha has agreed to transfer approximately 296.50 acres of land (Phase – I – 118.50 acre & Phase-II – 178.0 acre) free of cost and free from all encumbrances to AAI. In lieu of 296.50 acres land, AAI will transfer 119.0 acres of land to Government of Odisha. Out of 296.50 acres, about 56.12 acres of land is private land and 9.6 acres of land is Government revenue forest land. In principle approval for the diversion of forest land has been obtained from Forest and Environment Department, Odisha.

It is reported that no eco-sensitive zones are located within 10 km distance. Reserved forest namely Jamatalia RF (3.5 km, NNE), Deuli RF (6.7 km, N), Pitamal RF (7.4 km, ENE) and Shriyapali RF (7.7 km, SSE) are located within 10 km distance. IB river (2.4 km, NW) Sapai river (4.3 km, N) are located within 10 km distance.

Additionally, the PP informed the Committee that ambient air quality monitoring was carried out at 8 locations during 1st March 2015 to 31st May 2015 and submitted baseline data indicates that ranges of concentrations of PM10 (36.6 µg/m3 to 42.2 µg/m3), PM2.5 (14.6 µg/m3 to 21.8 µg/m3), SO_2 (7.1 µg/m^3 to 9.1 µg/m^3) and NOx (11 µg/m^3 to 13.1 µg/m^3) respectively. AAQ

	modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 14.8 µg/m^3, 36.4 µg/m^3, 28.4 µg/m^3 and 0.05 µg/m^3, with respect to SO2, NOx, CO and PM. The resultant concentrations are within the NAAQS. It is reported that the incremental noise levels will be confined within the proposed airport boundary. There will be slight increase in the noise levels due to the operation proposed airport because of the traffic. It is estimated that total water requirement is about 300 m^3/day, out of which about 100 m^3/day is required for domestic purpose during operation phase. 30 m^3/day will be met by recycling water from sewage treatment plant. The committee suggested them to submit water balance chart. It is proposed to install a sewage treatment plant with tertiary treatment facilities of 90 cum/day capacity. Tertiary treated wastewater from sewage treatment plant can be used for irrigation, make up water for cooling towers, D.G cooling and as flush water for W.Cs and urinals in the toilets. A total quantum of 3000 kl of rain water can be harvested annually by constructing suitable recharge structure. In order to design the recharge structure 15 minutes peak runoff of 50 mm/hour has been taken into account. Based on this, it is proposed to provide about 22.0 nos. recharge structure through a filter bed connected to a rain water percolation bore. The outlet of the recharge pits shall be connected to the external storm water drain. Total solid waste generation will be 255 kg/day. Wastes shall be segregated into bio-degradable and recyclable wastes at the source of generation. The wet waste (biodegradable) generated within the proposed complex shall be treated by bio-composting process and the manure thus generated shall be used for horticulture within the site. Paper and cardboard wastes, plastic wastes, metal wastes and other recyclable wastes from the cargo handling areas shall be sold to authorized contractors. The e-waste generated shall be stored separately in the complex and disposed through authorized recyclers approved by the State/Central Pollution Control Boards. *The Committee deliberated upon the issues raised during the Public Hearing / Public Consultation meeting conducted by the* SPCB, Odisha on 24.6.2016*.* The concerns were raised regarding local employment, drinking water facilities, R&R issues, compensation for the land acquisition, etc. After detailed deliberation, the Committee sought following additional information: i. The project proponents were asked to revise the EIA as building components were not included. ii. There are two ponds in the premises. Please clarify whether these are revenue ponds. If yes then they were advised to take separate permission from competent authorities for filling up these ponds. iii. Since the depth to water table varies between 3 to 12 meters, therefore, the designs of the recharge structures should be taken from the CGWA. iv. Permission should also be taken from the CGWA for excavation and dewatering. *v.* A provision of more than 1.5 MW solar power generations should be made. *vi. Revised water balance chart to be submitted.* *vii. Compliance report of ECBC norms for buildings.*

viii. R &R report of the land acquisition to be provided.

ix. Prepare offsite disaster management plan and dovetail with offsite plan.

The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.

12.2.6 **Establishment of Common Effluent Treatment Plant (To be managed by The Ahmedabad Hand Screen Printing Association) at Block No. 138/part & 154/part, Behrampura, Ahmedabad, Gujarat – Environment Clearance reg.** (10-3/2016-IA-III; IA/GJ/MIS/38384/2016)

The project authorities and their consultant (M/s Ramans Enviro Services Pvt. Ltd.) gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken as per Draft Terms of References (TORs) awarded during the Meeting of the Expert Appraisal Committee (Infrastructure) held during 23rd February, 2016 for preparation of EIA-EMP report. All the projects related to CETPs are listed at 7(h) of schedule of EIA Notification, 2006 covered under category 'B' and appraised at State level. However, applicability of general condition i.e. location of critically polluted area, Ahmedabad at a distance of 5 km, proposal is treated as category 'A' project.

Ahmedabad Hand Screen Printing Association (AHSPA) has proposed to establish a Common Effluent Treatment Plant, having 45 MLD ultimate capacity for treatment and disposal of industrial effluent from the member 732 units. For the execution of entire project, AMC has been appointed as NODAL agency through resolution by the Standing Committee of AMC. The CETP will be located at Block No. 138/part & 154/part, Village - Behrampura, Danilimda - Behrampura Area, Ahmedabad. The treated effluent from the CETP will be pumped to the final disposal point of the treated sewage from Pirana STP. With this upcoming CETP project, a dedicated collection and disposal system along with required strengthening of road infrastructure will be provided by AMC. The treated wastewater will be pumped to final treated sewage disposal sump of Pirana Sewage Treatment Plant of AMC. Total plot area is 20087 m^2, out of which CETP will be constructed on land area of 11052.81 sq.m and area earmarked for greenbelt is 4989.00 sq.m as Green belt/green space. The stage-wise analysis of treatability study are presented in below:

Sr. No.	Parameter	Unit	Untreated Effluent	After Primary Treatment	After Secondary Treatment	After Tertiary Treatment
1	pH	pH	9.5	7.6	7.5	7.1
2	**Oil & Grease**	mg/lit	22.5	5.1	BDL	BDL
3	**BOD, 3 days 20. C**	mg/lit	580	370	33	25
4	**COD**	mg/lit	1457	862	187	146
5	**TSS**	mg/lit	312	86	54	BDL
6	**TDS**	mg/lit	3941	4128	4068	4112
7	**NH3-N**	mg/lit L	30	BDL	BDL	BDL

8	**Cl**	mg/lit	1100	1266	1213	1159
9	**SO4**	mg/lit	350	331	305	311

SBR based treatment scheme has been selected for proposed 30 MLD CETP. The estimated cost for the project for CETP will be @ Rs. 5234.39 Lacs, whereas the cost of the conveyance for treated effluent will be @ Rs. 5659.89 Lacs. D.G. set of 500 KVA (1 No.), for CETP will be installed for emergency purpose. The D.G. Set will have stack height of 9 m. Operation. ETP Sludge will be sent to TSDF. Used oil will be sent to Authorized recycler/re-processors.

After detailed deliberation, the Committee sought following additional information:

i. Inlet quality standards for the CETP should be finalized by SPCB. In this regard, recommendation of SPCB to be submitted.
ii. Details of process design of CETP to be submitted.
iii. Effort should be made to recycle/ reuse the entire treated effluent. Detailed action plan to be submitted.
iv. Any agreement has been made with the users for sending treated effluent to them for reuse/recycling. Pl. give the details.
v. Details of tertiary treatment to be provided to achieve water quality for recycling/reuse purpose.
vi. Outlet standards for the CETP for discharging treated effluent and for the purpose of recycling/reuse.
vii. Categorisation of CETP sludge as per latest Hazardous Waste rules.
viii. Details of environmental monitoring plan.

The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.

12.2.7 **Multi-purpose all weather port at Tadadi, Karnataka by M/s Karnataka State Industrial &Infrastructure Development Corporation Limited- reconsideration for EC & CRZ clearance (** F. No. 11-28/2011- IA III)

Project proposal was considered by EAC (infra-2) in its meeting held during 24-25 October, 2016 and it was decided to forward all the representations received against the project to the project proponents who would give a reply to the representations which would be examined by the members of the committee. Further PP has submitted the addl. Information through online portal. Response of PP on the important issues raised in the representations are as given below:

Replies to Additional queries forwarded by MoEF& CC			
Sl. No	**Name**	**Concerns/ Issues**	**Reply**
1	Ramachandra Bhatta, Emeritus Scientist, Indian Council of Agriculture Research, Mangalore	Entire EIA document and also other data and information is based on unscientific analysis. Decline in fresh water availability, salt water intrusion, No answer regarding drinking water sources, flood control, loss	The detailed Techno-Economic-Feasibility Study as well as environmental studies have considered the eco sensitiveness of the estuarine as well as the

				of livelihood	region. The planning of the port has been based upon maintaining the eco system of the region. Will be considered at Detailed Project Report stage. As the project is proposed to be taken up under Public-Private-Partnership (PPP), all the necessary terms and conditions will be included in the Request for Proposal as well as Concession Agreement.	
				Fresh assessment of the impact with socio-ecological dimensions.	The Social Impact Assessment Study carried out has also considered various income generation to this estuary to the residents of the area. It may be noted that the development of the port will necessarily result in the economic development and prosperity of the Tadadi port area.	
		2	Dr. MahabaleshwarHegde, Centre for Policy Research, Kasargod	Several disparities among the data/ information given in TOR, 2011, Feasibility Report, 2009, Executive summary of feasibility report 2012, EIA, 2014, CRZ demarcation report 2013 Both the EIA reports were made without complying with the ToR, procedural lacunae and inadequacy/disparity in the content of the EIA report. many confusions, impacts and issues have neither been addressed in new EIA nor in the EAC meeting data disparity between the two EIA reports and explanations for the same was not given in revised reports	EIA is based on detailed technical feasibility study and as per the Terms of Reference (TOR). The selected developer will be required to update all the technical report, environment report, socio impact report etc and take necessary actions as will be specified in the Request for Proposal and terms & conditions of the Concession Agreement. The report has been revised considerably keeping in view the comments/suggestions received in the public hearing. It is important to mention that in the present study, samples were collected in Summer Season (March 2016), whereas earlier study conducted in 2010	

					was carried out in post monsoon season. Therefore, expected seasonal variations with respect to different environmental quality parameters are observed.	
				Both the EIA reports has been removed from the website and it is not available in public domain anymore	It is available in the KSIIDC website also.	
		3	KanchiKolhiCentre for Policy Research – Namati,Environmental Justice Program, Chanakyapuri, New Delhi	Several disparities among the data/ information given in TOR, 2011, Feasibility Report, 2009, Executive summary of feasibility report 2012, EIA, 2014, CRZ demarcation report 2013. Procedural lacunae and inadequacy/disparity in the in content of the EIA report, many confusions, impacts and issues have neither been addressed in new EIA nor in the EAC meeting	EIA is based on detailed technical feasibility study and as per the Terms of Reference (TOR). The selected developer will be required to update all the technical report, environment report, socio impact report etc and take necessary actions as will be specified in the Request for Proposal and terms & conditions of the Concession Agreement. The report has been revised considerably keeping in view the comments/suggestions received in the public hearing.	
				Data disparity between the two EIA reports and explanations for the same was not given in revised reports. Data disparity betwee TOR, Feasibility report and EIA regarding exact location, design of port, capcity, area required	It is important to mention that in the present study, samples were collected in Summer Season (March 2016), whereas earlier study conducted in 2010 was carried out in post monsoon season. Therefore, expected seasonal variations with respect to different environmental quality parameters are observed.	
				Both the EIA reports were made without complying with the ToR such, detailed dredging plan and impact on bivalve fisheries, details on impact of integrated projects	EIA is based on detailed technical feasibility study as per the approved Terms of Reference (TOR).	

				Impact on several livelihood such as agriculture, aquaculture is not given in both EIA	Considering the dependence of local population on the fishing etc, the existing facilities will be improved by providing additional facilities as some of the activities are possible only during few months of a year (about 6 months), provision of other employment opportunity like sea food process units, employment in port and port based industries etc, will result in economic upliftment of the local community. In addition, necessary skill based training for the local people will be taken up. This will help local community in securing jobs etc.It may be noted that the Social Impact Assessment study was carried out in 2012. As the project is proposed to be developed in PPP mode, the selected developer will be required to update all the technical report, environment report, socio impact report etc and take necessary actions as will be specified in the Request for Proposal with terms and conditions of the Concession Agreement.
				Variation in EIA reports regarding data on salinity, coastal and estuarine water quality, heavy metal and social demography. Either one EIA contains wrong data. This is violation of the Environment Impact Assessment Notification. Para 8(vi) states that- “Deliberate concealment and/or submission of false or misleading information or data which is material to the screening or scoping or	It is important to mention that in the present study, samples were collected in Summer Season (March 2016), whereas earlier study conducted in 2010 was carried out in post monsoon season. Therefore, expected seasonal variations with respect to different environmental quality parameters are observed.

				appraisal or decision on the application shall make the application liable for rejection, and cancellation of prior environmental clearance granted on that basis.	
				Revised EIA report submitted after the public hearing does not take into account many of the concerns that were raised in the public hearing, as evident from Chapter 7 of the report and the public hearing minutes.serious legal and procedural lapses committed by the consultant which are explained in detailed submission to Chairmen, EAC committee	EIA report has been prepared according to approved TOR.The additional studies carried out is based on the requirements of Expert Appraisal Committee (EAC), MoEF&CC. The detailed Techno-Economic-Feasibility Study as well as environmental studies have considered the eco sensitiveness of the estuarine as well as the region. The planning of the port has been based upon maintaining the eco system of the region. The Social Impact Assessment Study carried out has also considered various income generation to this estuary to the residents of the area. It may be noted that the development of the port will necessarily result in the economic development and prosperity of the Tadadi port area. The report has been revised considerably keeping in view the comments/suggestions received in the public hearing.
		4	Manju Menon &KanchiKohli, Centre for Policy Research, Chanakyapuri, New Delhi	• Public Hearing was in gross violation of the procedures & requirement of EIA notification. To carry out EIA in strict compliance with TOR & other requirements of EIA	EIA report has been prepared according to approved TOR. Report is available in the KSIIDC website also.

				notifications & OM issued by MOEF&CC. • Content of EIA report does not comply with TOR. This violates section para 2 (i) related to scoping stage of EIA notification, 2006. Defeats purpose of public hearing. Draft EIA was the only document made available to the affected people prior to public hearing. • Minutes of the public hearing were not "read over to the audience at the end of the proceedings explaining the contants in the vernacular language". The agreed minutes were not signed by the DC. The minutes of the PH prepared over a period of 3 days after the hearing and sections of the minutes were read out to a small group of people who were present at the venue on 27.03.15 • Conduct a fresh PH after receiving a fresh EIA as per TOR.		
		5	KanchiKolhi, Centre for Policy Research – Namati,Environmental Justice Program, Chanakyapuri, New Delhi	Details regarding how the water required will be taken (pipeline, canal) are still not explained in the EIA. In case if the water will be taken from another estuary Gangavali, the proposed project is going to impact two rivers Aghanashini and Gangavali. Both the EIAs as well as the EAC minutes don't reflect this at all.	Will be studied at Detailed Project Report stage once project developer is finalized. The project developer will ensure minimum adverse impact on the various environmental aspects due to construction and operation of the port. Mitigation measure and environmental management plan for various environmental issues are highlighted in the EIA report which will be followed by the project developer with adequate financial provisions.	

				Both the EIAs of 2014 and 2015 does not comply with this condition of Terms of Reference. They don't provide the detailed study on dredging, disposal of dredged material, location of disposal and impact of all these activities on estuary and marine environment.The location for the disposal of annual maintenance dredged material and impact of the same is not mentioned in both the EIA. Without the compliance of ToR condition number "X" it is not possible to understand impact of the project even after preparation of revised EIA report. Impact of dredging during construction phase is not discussed thoroughly in both EIAs. Impacts like erosion, accretion and sedimentation and siltation due to port activity are not discussed. Sedimentation problems generally occur at locations where the sediment transport capacity by the hydraulic system is reduced due to the flow speed decrease caused by variations of the original features (with artificial measures like dredging), dead water zones, flow separation zones, lee zones created after groins or dikes construction. Both EIA reports completely ignores this point and needs to be discussed in detail. In addition to this the impact of dredging on drinking water and agricultural fields are not explained in the EIA.	The dredging work for the channel as well as the turning area is proposed to be carried out by the dredgers. Part of the dredged material from capital dredging will be utilized for land reclamation of inundated land. Balance portion of dredged material of capital dredging and maintenance dredging will be disposed off in the scientifically located mid sea site, using dredger only. The detailed analysis of the same will be carried out by the developer on a time to time basis (during construction, operation and maintenance phases).
				Since bivalve fisheries are major livelihood source of area it should have been studied in more detail. This amounts to deliberate concealment of the important livelihood activity which supports 2400 number of people with an annual income of 57.8 million that will be impacted due to the construction of the port. Mitigation measures to minimize impact of port	The presence of bivalves/Oysters/shell fish etc. has been noted. The port will not affect oyster bed directly, adequate mitigation measures will be taken, as required by the developer.

				construction activity, dredging, and port operation on bivalve fisheries are not mentioned in both EIA and also not in attached report with new 2015 EIA	
				Huge amount of data disparity between TOR, Feasibility Report and EIA with respect to area of the project, capacity of the port and budget are remains same.	EIA is based on detailed technical feasibility study and as per the Terms of Reference (TOR). The selected developer will be required to update all the technical report, environment report, socio impact report etc and take necessary actions as will be specified in the Request for Proposal and terms & conditions of the Concession Agreement.
				It does not mention the number of agriculture and aquaculture (Gajani) people who will get affected. This appears to have been deliberately concealed in both the EIAs and ignored during the appraisal process.	The Social Impact Assessment Study carried out has also considered various income generation to the residents of the area. It may be noted that the development of the port will necessarily result in the economic development and prosperity of the Tadadi port area. As the project is proposed to be taken up under Public-Private-Partnership (PPP), all the necessary terms and conditions will be included in the Request for Proposal as well as Concession Agreement.
				In conclusion part of new EIA, 2015 it is mentioned that the construction phase impacts on different environmental components shall be mostly intermittent and of short-term duration with reversible in nature.	Regarding impact of construction and operation of the port, there are likely impacts on environment. The project developer will ensure minimum adverse impact on the various environmental aspects

				• The impacts on ecology would be of long term duration, which though will be irreversible in nature, however with green belt development and other measures taken shall be restored and improved in due course of time. • The chapter on Environment Management Plan of the 2014 EIA has been reduced to short chapter in new EIA, 2015. • In the new EIA, 2015 also contents does not give justification to this statement since mitigation measures were not explained for impact on fisheries, drinking water, clam collection, agriculture. • Coastal and estuary water quality :EIA 2014: Inorganic parameters the values of Surface, middle and bottom salinity was mentioned as 45, 66 and 36 ppt respectivelyEIA 2015 : 35, 36 and 36 ppt respectively Hence liable for cancellation of EC. • Values of heavy metal content in the sediment sample vary between the EIA report 2014 and EIA report 2015. • Values of Surface, middle and bottom salinity: EIA 2014 : 58, 37 and 43 respectively in the report EIA 2015 : 28, 27, and 28 ppt respectively Hence liable for cancellation of EC	due to construction and operation of the port. Mitigation measure and E Environmental management plan for various environmental issues are highlighted in the EIA report which will be followed by the project developer with adequate financial provisions. The report has been revised considerably keeping in view the comments/suggestions received in the public hearing. Applicable norms, rule & regulations and guidelines as well as good practices for construction and operation of port shall be strictly followed to ensure minimal adverse impact on the environment.	
				Data with reference to particulate size distribution, data on summary of demographic structure of the study area, summary of demographic structure as per census 2011, data on details of employment pattern in the study area all varies in the two EIAs	The study is based on census records only.	

				Data on water parameters are, social demography and employment patterns have been submitted with old EIA 2014 and without conducting any additional studies these data"s have been changed randomly. Either the NEERI might have collected new samples and conducted analysis after public hearing or the data has been changed manually. In both the cases it is clear the either one of the data is wrong and public hearing was conducted based on EIA which contained numerous misleading and wrong data.	It is important to mention that in the present study, samples were collected in Summer Season (March 2016), whereas earlier study conducted in 2010 was carried out in post monsoon season. Therefore, expected seasonal variations with respect to different environmental quality parameters are observed. The report has been revised considerably keeping in view the comments/suggestions received in the public hearing.
				The revised EIA report submitted in 2015 after the public hearing however does not take into account many of the concerns that were raised in the public hearing, as evident from Chapter 7 of the report and the public hearing minutes	The additional studies carried out is based on the requirements of Expert Appraisal Committee (EAC), MoEF& CC.
				• A few issues which are not clarified in new EIA 2015 are mentioned below:-a) Assurance that manganese ore and coal will not be imported into the sea port. Concern regarding import and transportation of coal. b) Concerns regarding how many families will be affected by the project, how many jobs will be give - How much area will be affected due to salt water intrusion - How many people from outside will be called for this project -What would be the status of pilgrim places, temples cultural sites in the area -The impact on tourism that is going to be there due to the project. • Linked projects and supporting infrastructure like roads, railway, trucks, power lines, administrative buildings	a) As the project is proposed to be developed in PPP mode, the selected developer will be required to update all the technical report (in a demand estimation), environment report, socio impact report etc and take necessary actions as will be specified in the Request for Proposal with terms and conditions of the Concession Agreement. Traffic demand estimation has been carried out and phase wise development is proposed. b) Considering the dependence of local population on the fishing etc, the existing facilities will be improved by providing additional facilities as some of the activities are possible only during few months of a

				and additional revenue and /or forest land required for such additional development is not mentioned in the new EIA. With respect to this cumulative impact of all these activities have not been mentioned in the both the EIAs. This is as per Office memorandum of Ministry of Environment and Forest, dated 22nd December, 2010 mentions in Para (i)	year (about 6 months), provision of other employment opportunity like sea food process units, employment in port and port based industries etc, will result in economic upliftment of the local community. In addition, necessary skill based training for the local people will be taken up. This will help local community in securing jobs etc.- There are no salt pans in the proposed area identified for port development. Any impact in the adjacent area during port development will be studied and addressed by the developer during the detailed design phase.- Regarding impact of construction and operation of the port, there are likely impacts on environment. The project developer will ensure minimum adverse impact on the various environmental aspects due to construction and operation of the port. Mitigation measure and environmental management plan for various environmental issues are highlighted in the EIA report which will be followed by the project developer with adequate financial provisions. Applicable norms, rule & regulations and guidelines as well as good practices for construction and operation of port shall be strictly followed to ensure minimal adverse impact on the environment.	

				• Public hearing meeting was held using 4 years old data. . Further none of the documents including the new EIA or the EAC gives the indication that a fresh baseline data has been prepared for all aspects. Piecemeal exercises of „additional data collection" cannot amount to compliance with these requirements. • Single season data collected instead of three season data. Does not mention about the period of sample collection and seasonal data collection. However some of annual data on climate, rainfall, wind has been collected from Indian Meteorological Department (Table 3.1.1) but apart, from that it is clear from the EIA that study has not been conducted for all three seasons. In EIA 2014, executive summary, 2.0 it says that baseline environmental quality was assessed on October-November, 2010. This means that study has been conducted for only two months in post – monsoon season.	The additional studies carried out is based on the requirements of Expert Appraisal Committee (EAC), MoEF& CC.
				Generate a fresh TOR, which takes into account the final project design. Currently the components and engineering aspects of the proposed project are not even available to the project proponent in the form of Detailed Project Report. This is not a good practice or legally tenable as the environmental clearance process is conducted without having a blueprint of the project, which will be true indicator of the impacts of the project.	Only after preparation of Technical feasibility report EIA report was prepared. DPR will be prepared once project developer is finalized. EIA report is based on scientific studies as per the approved Terms Of Reference (TOR).

		6	Dr. MahabaleshwarHegde, CPR-Namati Environmental Justice Program, Uttar Kannada	• Public Hearing was in violation of several clauses of EIA notification. Hence declare PH as an invalid one • EIA was not done as per TOR and thus violates section para 2 (i) related to scoping stage of EIA notification 2006. • Fair chance was not given to everybody to speak during Public Hearing. Crowd started to shout & comment in favour of the project. They heck led those who spoke against the project.	Public Hearing was conducted by KSPCB as per the requirement. EIA report is based on scientific studies as per the approved Terms Of Reference (TOR).
				Generate a fresh TOR, which takes into account the final project design. Currently the components and engineering aspects of the proposed project are not even available to the project proponent in the form of Detailed Project Report. This is not a good practice or legally tenable as the environmental clearance process is conducted without having a blueprint of the project, which will be true indicator of the impacts of the project.	Only after preparation of Technical feasibility report EIA report was prepared. DPR will be prepared once project developer is finalized. EIA report is based on scientific studies as per the approved Terms Of Reference (TOR).
				The decision of PH was read out after three days and most people who spoke at the PH were not present for this reading session.	All necessary action has taken by KSPCB.
				Sponsor shall exercise due diligence and make own decision to implement the content of the report. The report shall not be construed as any guarantee or warranty from NEERI. How we can ensure that what discussed in PH are considered and implemented?	The project developer will ensure minimum adverse impact on the various environmental aspects due to construction and operation of the port. Mitigation measure and environmental management plan for various environmental issues are highlighted in the EIA report which will be followed by the project developer with adequate financial provisions. Applicable norms, rule & regulations and guidelines as well as good practices

					for construction and operation of port shall be strictly followed to ensure minimal adverse impact on the environment.
				Location is given as single point 14 13.50' N, Longitude is missing and location could come anywhere along the earth axis for the latitude. In EIA latitude & longitude for Tadadi location is wrong	It is a typographical error, corrected.
				The information about land area of port and land required for road is different in different documents. Capacity of the port is not clear; whether 34.25, 62.36 or 14.06 Project cost mentioned in EIA Pg2.20 (section2.36) 38, 135 crwhere as feasibility report 2009 says it is 2230.71 cr for 14.06 MTPA	About 1400 acres is earmarked for development of port. Based on requirement, land will be considered for port development, while the remaining land will be reserved for future expansion and related activities. Traffic demand estimation has been carried out and phase wise development is proposed with an ultimate capacity of 62.36 MTPA.
				No. of agriculture & aquaculture (Gajani) people, bivalve collectors not mentioned. Does not suggest any clear mitigation measures	The presence of bivalves/Oysters/shell fish etc. has been noted. The port will not affect oyster bed directly, adequate mitigation measures will be taken, as required by the developer.Considering the dependence of local population on the fishing etc, the existing facilities will be improved by providing additional facilities as some of the activities are possible only during few months of a year (about 6 months), provision of other employment opportunity like sea food process units, employment in port and port based industries etc, will result in economic

					upliftment of the local community. In addition, necessary skill based training for the local people will be taken up. This will help local community in securing jobs etc.	
				Detailed Project Report not submitted and not available for public. Without DPR scientifically as well as logically it is not possible to understand the total impact.	Only after preparation of Technical feasibility report EIA report was prepared. DPR will be prepared once project developer is finalized.	
				Hiregutti&Madanageri are within 500 m from storage terminal &Aghanashini is within 1.5 km and EIA says major settlements are 2.5 km away & hence impact of noise pollution is not there.	Regarding impact of construction and operation of the port, there are likely impacts on environment. The project developer will ensure minimum adverse impact on the various environmental aspects due to construction and operation of the port. Mitigation measure and environmental management plan for various environmental issues are highlighted in the EIA report which will be followed by the project developer with adequate financial provisions. Applicable norms, rule & regulations and guidelines as well as good practices for construction and operation of port shall be strictly followed to ensure minimal adverse impact on the environment.	
				Impact of dredging on ground water & drainage not studied. Impact of dredging on nearby water body not mentioned	The dredging work for the channel as well as the turning area is proposed to be carried out by the	

				EIA does not talk about cumulative impact of annual dredging after 25 years.	dredgers. Part of the dredged material from capital dredging will be utilized for land reclamation of inundated land. Balance portion of dredged material of capital dredging and maintenance dredging will be disposed off in the scientifically located mid sea site, using dredger only. The detailed analysis of the same will be carried out by the developer on a time to time basis (during construction, operation and maintenance phases). The detailed Techno-Economic-Feasibility Study as well as environmental studies have considered the eco sensitiveness of the estuarine as well as the region. The planning of the port has been based upon maintaining the eco system of the region.
				No specific mention about place of shifting fishing activity and livelihood of 15000 fishermen. Damage to fishery resource and aquatics due to movement of ship and discharge. No details about mitigation measures. No explanation regarding control measures suggested for saving fishes in case of high turbidity	Considering the dependence of local population on the fishing etc, the existing facilities will be improved by providing additional facilities as some of the activities are possible only during few months of a year (about 6 months), provision of other employment opportunity like sea food process units, employment in port and port based industries etc, will result in economic upliftment of the local community. In addition, necessary skill based training for the local people will be taken up. This will help local community in securing jobs etc.

				Due to oil spillage and pollutants the sea water becomes poisonous and polluted and cannot be used for salt producing.	Any waste from ships (including waste oil, waste / ballast water. etc.) will be collected, treated and disposed off as per the established norms and guidelines. All necessary precautions and actions will be taken by the selected developer to ensure that the water is not polluted by the effluent from the ship or from the port and necessary standards are maintained.
				EIA does not explain mitigation measures for loss of salt workers	There are no salt pans in the proposed area identified for port development. Any impact in the adjacent area during port development will be studied and addressed by the developer during the detailed design phase.
				Impact of dredging & annual maintenance dredging on clam, oyster & muscle fisheries & mitigation measures Livelihood of people depend on bivalve fisheries not considered	The presence of bivalves/Oysters/shell fish etc. has been noted. The port will not affect oyster bed directly, adequate mitigation measures will be taken, as required by the developer.Considering the dependence of local population on the fishing etc, the existing facilities will be improved by providing additional facilities as some of the activities are possible only during few months of a year (about 6 months), provision of other employment opportunity like sea food process units, employment in port and port based industries etc, will result in economic upliftment of the local community. In addition, necessary skill based training for the local people will be taken up. This will help local community in securing

					jobs etc.
				No mention about specific place of dumping of dredged material in the sea There is no pre plan about necessity and quantity of dredging and specific place of dumping the dredged material in the sea and the impacts of the same. No mention about impact on surrounding well and underground water due to dredging.	The dredging work for the channel as well as the turning area is proposed to be carried out by the dredgers. Part of the dredged material from capital dredging will be utilized for land reclamation of inundated land. Balance portion of dredged material of capital dredging and maintenance dredging will be disposed off in the scientifically located mid sea site, using dredger only. The detailed analysis of the same will be carried out by the developer on a time to time basis (during construction, operation and maintenance phases).
				• Details regarding how the water required will be taken (pipeline, canal) are still not explained in the EIA. In that case Gangavali should have its own 5 km buffer zone or separate EIA. • Oil still impact not discussed and mitigation is not suggested. • Impact of waste generated from vessel on fisheries, coast, tourism not described, Phytoplankton are used as Phytoplankton's. • Demersal and benthic macro fauna not listed in the report.	Any waste from ships (including waste oil, waste / ballast water. etc.) will be collected, treated and disposed off as per the established norms and guidelines. All necessary precautions and actions will be taken by the selected developer to ensure that the water is not polluted by the effluent from the ship or from the port and necessary standards are maintained. The project developer will ensure minimum adverse impact on the various environmental aspects due to construction and operation of the port. Mitigation measure and environmental management plan for various environmental issues are highlighted in

					the EIA report which will be followed by the project developer with adequate financial provisions. Applicable norms, rule & regulations and guidelines as well as good practices for construction and operation of port shall be strictly followed to ensure minimal adverse impact on the environment.	
		7	Marianne Manuel, Dakshin Foundation	Mangroves : Destruction of mangroves poorly assessed. EIA does not refer any studies to try & establish baselines or impacts of port on either mangroves or mudflats or the estuary.	It may be noted that these mangroves are partially planted and partially of natural occurrence. It may also be noted that only part of mangroves in the region will get affected due to the project. It may be further noted that in order to compensate for the loss of mangroves vegetation due to the project activity, double the area/ amount of mangrove vegetation will be developed in the adjacent area through Forest Department with denser vegetation (the existing mangroves within the project development area are sparse and thin). The required funding for the same will be provided by the developer and/or State Govt.	

				• Ecological issues : Ignoring ecological sensitive nature of Estuary. Mitigation measures not detailed. Dredging management plan to be done before clearance, Aghanashini estuary is eco-sensitive area nominated for biodiversity heritage status & falls within CRZ I (A), in which no activity related to ports is allowed. Hence EIA is a blatant misrepresentation. • Poor assessment of ecosystem dependent livelihoods. Such as fishing, agriculture, collection of bivalves & crabs, shrimp aquaculture, etc	The presence of bivalves/Oysters/shell fish etc. in the estuary region has been noted. It may be noted that the oyster/bivalves do not produce any pearls but only produces protein rich delicious meat. The port will not affect oyster bed directly, adequate mitigation measures will be taken, as required by the developer. The detailed Techno-Economic-Feasibility Study as well as environmental studies have considered the eco sensitiveness of the estuarine as well as the region. The planning of the port has been based upon maintaining the eco system of the region. The project developer will ensure minimum adverse impact on the various environmental aspects due to construction and operation of the port. Mitigation measure and environmental management plan for various environmental issues are highlighted in the EIA report which will be followed by the project developer with adequate financial provisions. Applicable norms, rule & regulations and guidelines as well as good practices for construction and operation of port shall be strictly followed to ensure minimal adverse impact on the environment. The dredging work for the channel as well as the turning area is proposed to be carried out by the dredgers. Part of the dredged material from

					capital dredging will be utilized for land reclamation of inundated land. Balance portion of dredged material of capital dredging and maintenance dredging will be disposed off in the scientifically located mid sea site, using dredger only. The detailed analysis of the same will be carried out by the developer on a time to time basis (during construction, operation and maintenance phases). EIA report is based on scientific studies as per the approved Terms Of Reference (TOR).	
				EIA report overstepping EAC TOR : replete with unsolicited & biased statements hailing the project benefits. EIA report gives unsolicited views on compensation with intent to prejudice clearance decisions in favor of the project. Superficial consideration for the impacts on fishery. Vague guarantees.	EIA report is based on scientific studies as per the approved Terms Of Reference (TOR).	
				Biased selection of indicators for site justification. Impacts on water quality, clam beds, benthic organisms, fish breeding gounds, social impact not included. Poorly thought or absent management plans: Scant regard on environmental impacts of port in case of natural disasters, such as fuel or oil leakage, dumping of coal into estuary, etc	The presence of bivalves/Oysters/shell fish etc. has been noted. The port will not affect oyster bed directly, adequate mitigation measures will be taken, as required by the developer. Any waste from ships (including waste oil, waste / ballast water. etc.) will be collected, treated and disposed off as per the	

		Falsely represented details of eco-sensitive area: Impact on flora & fauna, mudflats, wildlife, etc	established norms and guidelines. All necessary precautions and actions will be taken by the selected developer to ensure that the water is not polluted by the effluent from the ship or from the port and necessary standards are maintained.
		EIA is of poor quality, shoddy, incomplete and presents false & obscure information, whereas rigorous study was required	EIA report is based on scientific studies as per the approved Terms Of Reference (TOR).
		Public Hearing : No information regarding PH has been published. Preventing informed consent of stakeholders Unfair selection of venues for Public Hearing (PH)	All necessary action has taken by KSPCB.

After detailed deliberations, the Committee found additional information adequate and recommended the project for environmental and CRZ clearance and stipulated the following specific conditions along with other environmental conditions while considering for accord of environmental clearance:

(i) Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.

(ii) PP shall obtain stage – I forest clearance for 200 ha. .

(iii) *All the recommendations and conditions specified by* Karnataka Coastal Zone Management Authority*shall be complied with.*

(iv) PP shall carry out mangroves plantation in 200 ha. land with the help of State Government and maintain.

(v) A study shall be undertaken in association with Fishery Department for bivalves/Oysters/Shell fish etc in the project area to assess the exact location & extent of these species alonwith its economic valuation, so that appropriate management plans including need and /or possibility of re-planting the oyster bed could be planned in scientific manner.

(vi) As proposed, efforts shall be made to protect/shift the mudflat materials/salt pan under the guidance of fisheries department.

(vii) The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.

(viii) Shoreline should not be disturbed due to dumping. Periodical study on shore line

		changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring report. (ix) All the mechanized handling system and other associated equipments such as hopper, belt conveyors, attacker cum reclaimers shall have integrated dust suppression system. Dust suppression system shall be provided at all transfer points. (x) Coal and other bulk cargos shall be stored only in designated stock yard with dust control measures viz. wind screen of height atleast 2 m above the coal stock, made of fabric/HDPE, water sprinkling arrangement, greenbelt of atleast three layer of suitable trees. (xi) The coal and other bulk cargos from the ship shall be conveyed through closed conveyor to the designated stock yard. The conveyor shall be seamless without joints/transfer points. (xii) The ground water shall not be tapped within the CRZ areas by the PP to meet with the water requirement in any case. (xiii) All excavation related dewatering shall be as duly authorized by the CGWA. A NOC from the CGWA shall be obtained for all dewatering and ground water abstraction (xiv) A detailed marine diversity conservation management plan based on possible environmental impacts shall be drawn up and implemented as suggested by the National Institute of Oceanography or any other institute on marine ecology. The plan should include the management of marine and intertidal biotopes, corals and coral communities, sea grasses and sea weeds, subtidal habitats, fishes, other marine flora and fauna(Micro, macro and mega) including turtles, birds and marine mammals as also productivity. (xv) The diesel generators shall be used as back-up power supply and shall be run only during power cuts. Low sulphur content fuel will be used for the generators and will be subjected to periodical maintenance and servicing. This will cut down on emission volume to a considerable extent. Also, the DG sets will be provided with mufflers for pollutant emission control. (xvi) Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986. (xvii) Construction activity related wastes (C & D waste) shall be disposed off as per Solid Waste Management Rule, 2016. (xviii) All such solid and hazardous wastes including onboard wastes (while ships dock at the site) will be handled as per the Hazardous and other Waste (Management & Transboundary Movement) Rules, 2016. (xix) Silt curtains shall be used to contain the spreading of suspended sediment during dredging within the dredging area. (xx) The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.

	(xxi) Earth protection work shall be carried out to avoid erosion of soil from the shoreline/boundary line from the land area into the marine water body. (xxii) No ships docking at the proposed project site will discharge its on-board waste water untreated in to the estuary/ channel. All such wastewater load will be diverted to the proposed Effluent Treatment Plant of the project site. (xxiii) Workers shall be strictly enforced to wear personal protective equipments like dust mask, ear muffs or ear plugs, whenever and wherever necessary/ required. Special visco-elastic gloves will be used by labour exposed to hazards from vibration. (xxiv) Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/ accidents. (xxv) The commitments made during the Public Hearing and recorded in the Minutes shall be complied with letter and spirit. A hard copy of the action taken shall be submitted to the Ministry's Regional Office. (xxvi) All the mitigation measures submitted in the EIA report shall be prepared in the matrix format and compliance of each mitigation plan shall be submitted to the RO, MoEF&CC alongwith half yearly compliance report. (xxvii) Measures should be taken to contain, control and recover the accident spills of fuel and cargo handle.
12.2.8.	**Deepening of Ritchie Dry Dock by M/s Mazagon Dock Shipbuilders Limited, Mumbai - TOR regarding (10-84/2016-IA-III ; IA/MH/MIS/60312/2016)** The project authorities gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken along with the draft Term of References for the preparation of EIA-EMP report. All the projects related to Ports and Harbour and dredging are listed at 7(e) of schedule of EIA Notification, 2006 covered under category 'A' and appraised at central level. M/s Mazagon Dock Shipbuilders Limited, Mumbai has proposed for deepening of Ritchie Dry Dock. Ritchie Dry Dock (RDD) is an existing dry dock built in 1865 having overall dimensions of 228 m (Length) x 21 m (Width) x 8.1 m (Depth), located at North Yard of MDL, Mumbai with an average dock depth is -3.5 m CD. Indian Navy has upgraded its warship design with latest technology. In accordance with the latest technological developments the latest warships with deeper draft along with sonar dome and other appendages are being constructed at MDL. To attain the docking of destroyer class vessel fitted with sonar dome MDL decided to modernize/deepen the existing dock floors of the RDD by 2 Mtrs to a uniform FFL of -5.5m CD. The proposed RDD Deepening work involves deepening the dock floor by approx. 2 mtrs and up gradation of electromechanical systems i.e. gate & pumping system. A temporary cofferdam

	shall be constructed to facilitate the above work in dry condition. The same shall be dismantled after completion of deepening of dock floor and gate installation. Following activities to be carried out by PP: i. Deepen the existing dock floors of the RDD to a uniform FFL (For both the old portion and extended portions) of -5.5mCD; i. Carry out Capital Dredging and maintenance dredging thereafter for a pre-specified periodicity to ensure a water depth of -3.0mCD outside the RDD and throughout the navigation paths. Cost of project is Rs 100 Crore. It is reported that no protected / eco sensitive areas are located within 15 km. After detailed deliberations on the proposal, the Committee *recommended for grant of Terms of Reference as specified by the Ministry as Standard ToR in April, 2015 for the said project/activity* and the following TOR in addition to *Standard ToR* for preparation of EIA-EMP report: i. Importance and benefits of the project. ii. Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale. iii. Recommendation of the SCZMA. iv. Various Dock and shipbuilding facilities with capacities for existing and proposed project. v. Study the impact of dredging on the shore line. vi. A detailed impact analysis of rock dredging. vii. Study the impact of dredging and dumping on marine ecology and draw up a management plan through the NIO or any other institute specializing in marine ecology. viii. A detailed analysis of the physico-chemical and biotic components in the highly turbid waters round the project site (as exhibited in the Google map shown during the presentation), compare it with the physico- chemical and biotic components in the adjacent clearer (blue) waters both in terms of baseline and impact assessment and draw up a management plan. ix. Details of Emission, effluents, solid waste and hazardous waste generation and their management in the existing and proposed facilities. x. The existing project should avail of and submit a consent to operate from the State Pollution Control Board. xi. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract). xii. Wastewater management plan. xiii. Details of Environmental Monitoring Plan. xiv. To prepare a detailed biodiversity impact assessment report and management plan through the NIOS or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity. The report shall study the impact on the rivers, estuary and the sea and include the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, subtidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles , birds etc. as also the

	productivity. The data collection and impact assessment shall be as per standard survey methods. xv. Disaster Management Plan for the above terminal. xvi. Layout plan of existing and proposed Greenbelt. vii. Status of court case pending against the project. viii. A tabular chart with index for point wise compliance of above TORs. xix. Public hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made. It was recommended that **'TORs' along with Public Hearing** prescribed by the Expert Appraisal Committee (Infrastrucure-2) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. The draft EIA/EMP report shall be submitted to the State Pollution Control Board for public hearing. The issues emerged and response to the issues shall be incorporated in the EIA report.
12.2.9.	**Common Biomedical Waste Plasma Pyrolysis Treatment Facility at Plot no. 1884, Bhitiya, Tilabani, Govindpur, Dhanbad by M/s Suvidha Bio Medical Waste - TOR regarding (10-85/2016-IA-III; IA/JH/MIS/59743/2016)** M/s Suvidha Bio Medical Waste has proposed for setting up of Common Biomedical Waste Plasma Pyrolysis Treatment Facility at Plot no. 1884, Bhitiya, Tilabani, Govindpur, Dhanbad. The Committee noted that PP has not carried out alternate site analysis. It was also noted that details of environmentally sensitivity are not filled up properly. Therefore, the Committee suggested them to revise the form1 and submit to newly constituted SEIAA/SEAC, Jharkhand.
12.2.10.	**Solid Waste Management Facilities at Padanthorai Village, Devershola Nilgiris District, Tamil Nadu by M/s Gudalur Municipality - TOR regarding (10-86/2016-IA-III; IA/TN/MIS/60105/2016)** PP informed the project site involves forest land so they have applied for forest clearance. Wrongly they have submitted form1. The Committee suggested them to approach Forest Division to obtain forest clearance. It was also suggested that development of solid waste management facilities attracts the provisions of EIA Notification, 2006 and requires to obtain prior environmental clearance from SEIAA, Tamil Nadu.
12.2.11.	**Integrated Municipal Solid Waste Management Facility at village Mahisapat, Dhenkanal, Odisha by M/s Dhenkanal Municipality - TOR regarding (10-87/2016-IA-III; IA/OR/MIS/60455/2016)** The project authorities gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken along with the draft Term of References for the preparation of EIA-EMP report. All the projects related to common

	municipal solid waste management facility are listed at 7(i) of schedule of EIA Notification, 2006 covered under category 'B' and appraised at state level. However, applicability of general condition i.e. location of project at a distance of 4 Km from Kapilash Wildlife Sanctuary, proposal is treated as category 'A' project. Dhenkanal Municipality has proposed for setting up of Integrated Municipal Solid Waste Management facility at Village Mahisapat, Plot No. 877, Dhenkanal, Odisha. Regional sanitary landfill is proposed at Dhenkanal to be combined for the Kamakhya nagar, Dhenkanal & Athagarh town. The Total plot area of the site is 8.92 Acres. Cost of project is Rs. 13.45 Crores. The site is being used for dumping of waste and no scientific disposal method is being followed. Land belongs to the Dhenkanal Municipality for construction of landfill site and compost pit. Authorization Order in the form of Form-III as per the Solid Waste Management Rule, 2016 has been issued to Dhenkanal Municipality from the State Pollution Control Board, Odisha Vide Letter No. 23615 SPCB/Authorization (Municipal Solid Waste) IND-IV-MW-36. The validity of this Authorization is till 31/03/2018. The Committee suggested that waste management facilities should maintain safe distance from the nearby pond. PP informed that the alternate site was examined for Village Bhagbanpur. But this site was rejected as it was adjacent to the village. The plot area was 2.57 acres and it was not sufficient for the MSW facilities. Therefore, Project site at village Mahisapat has been selected for solid waste management. It was informed that following facilities will be developed: (a) Segregation of MSW :–pre sorting unit 30 TPD in 2022, 50 TPD in 2027. (b) Capacity of processing facility :- 10.27 TPD in 2022, 13.55 TPD in 2027. (c) Biomethanation plant capacity – 2 TPD (d) Landfill waste quantity for 10 years-31197 MT. (e) Regional Sanitary Landfill capacity -40532 m^3. It is reported that reserved forests namely Mayuri RF-1.07 km towards North-West Patapuri RF-4.44 km towards East Gadabola RF-6.89 km towards South-East Adala RF-8.17 km towards South-East Kankarhaharha RF-7.04 km towards South-West Saptashajya RF-4.49 km towards South-West Korian RF-8.4 km towards North-West Boudha Banakhandi RF-13.95 km towards South-East Megha RF-3.37 km towards North-East Phulabarhi PF-13.32 km towards South-East are located within 15 km distance. Kapilash Wildlife Sanctuary is located at a distance of 4 km. The water requirement during construction phase, 45 KLD of water will be required that will be met through Rengali canal. During the operational phase, 30 KLD of water will be required that will be abstracted through bore wells. Power consumption during the operational phase will be 80 KW and will be supplied by Central Electricity Supply Utility of Orissa (CESU). Total land earmarked for greenbelt is 10487 m^2. After detailed deliberations on the proposal, the Committee *recommended for grant of Terms of Reference as specified by the Ministry as Standard ToR in April, 2015 for the said project/activity* and the following TOR in addition to *Standard ToR* for preparation of EIA-EMP report: i. Importance and benefits of the project.

	ii. A sensitivity analysis of the site shall be carried out as per the MoEF criteria and form part of the EIA report. iii. Details of various waste management units with capacities for the proposed project. Details of utilities indicating size and capacity to be provided. iv. Copy of application submitted for clearance from NBWL. v. List of waste to be handled and their source along with mode of transportation. vi. The project proponents should consult the Municipal solid waste Management manual of the Ministry of Urban Development, Government of India and draw up project plans accordingly. vii. Waste management facilities should maintain safe distance from the nearby pond. viii. Methodology for remediating the project site, which is presently being used for open dumping of garbage. ix. Layout maps of proposed solid waste management facilities indicating storage area, plant area, greenbelt area, utilities etc. x. Details of air emission, effluents generation, solid waste generation and their management. xi. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract) xii. Process description along with major equipments and machineries, process flow sheet (quantative) from waste material to disposal to be provided xiii. Hazard identification and details of proposed safety systems. xiv. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. xv. Details of effluent treatment and recycling process. xvi. Action plan for measures to be taken for excessive leachate generation during monsoon period. xvii. Detailed Environmental Monitoring Plan. xviii. Report on health and hygiene to be maintained by the sanitation worker at the work place. xix. Public hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made. xx. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case. xxi. A tabular chart with index for point wise compliance of above TORs. It was recommended that **'TOR'** along with Public Hearing prescribed by the Expert Appraisal Committee (Infrastructure- 2) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. The draft EIA/EMP report shall be submitted to the State Pollution Control Board for public hearing. The issues emerged and response to the issues shall be incorporated in the EIA report.
12.2.12.	**Expansion of Common Effluent Treatment Plant (from 21 MLD to 42 MLD), at Sector-29 & Sector-25, Panipat, Haryana by M/s Haryana Urban Development Authority (HUDA**) - TOR regarding (**10-87/2016-IA-III;** IA/HR/MIS/60805/2016) The project authorities gave a detailed presentation on the salient features of the project and

	proposed environmental protection measures to be undertaken along with the draft Term of References for the preparation of EIA-EMP report. All the projects related to CETPs are listed at 7(h) of schedule of EIA Notification, 2006 covered under category 'B' and appraised at State level. However, applicability of general condition i.e. location of critically polluted area, Panipat at a distance of 5 km, proposal is treated as category 'A' project. M/s Haryana Urban Development Authority (HUDA) has proposed for expansion of Common Effluent Treatment Plant (from 21 MLD to 42 MLD), at Sector-29 & Sector-25, Panipat, Haryana. Project is located in the critically polluted area, Panipat. The CETP will be established for handling of effluent of 42 MLD (21 MLD from existing and 21 from proposed CETP with ZLD System) from the associated industries located in the Sector -29 – Part -1 & II and Sector 25 – part I & II of Panipat industrial area, which is mainly from textile units. Cost of project is Rs. 40 crore. Plot area of the proposed project is 20 acres. It is reported that no eco-sensitive area is located within 15 km distance. CETP will be equipped with primary, secondary and tertiary treatment facilities having zero liquid discharge facility. Trerated effluent will be reused for industrial purposes, green belt development, irrigation etc purposes. DG set (2x600 KVA) will be installed. Water requirement will be met from ground water. After detailed deliberations on the proposal, the Committee *recommended for grant of Terms of Reference as specified by the Ministry as Standard ToR in April, 2015 for the said project/activity* and the following TOR in addition to *Standard ToR* for preparation of EIA-EMP report: i. Importance and benefits of the project. ii. Action plan proposed by the State Government as regards CEPI and how does the CETP address to the action plan. iii. A chapter on Quantification and Characterization of inlet characteristic including methodology adopted. iv. Inlet quality standards prescribed for the CETP by the State Board. Copy of recommendation of the SPCB to be submitted. v. Status of application for NOC of the Pollution Control Board since the design of the CETP would depend on inlet quality criteria. vi. Process flow diagram of the proposed CETP. vii. Layout plan of CETP viii. Cost of project and time of completion. ix. Total area earmarked for CETP. x. Method for conveyance of effluent from the individual industrial unit to CETP. xi. Efforts shall be made to reuse and recycle of treated effluent for non potable purpose. xii. Details of disposal method of treated effluent i.e. through drain or irrigation canals or conveyance conduits etc. Any permission obtained for discharge industrial effluents. xiii. Quality of treated effluent should conform to the CETP discharge standards revised in 2016 by the MoEF & CC. xiv. Environment Management Plan xv. Disaster Management Plan. xvi. Layout plan of proposed Greenbelt. xvii. Status of court case pending against the project. xviii. A tabular chart with index for point wise compliance of above TORs.

xix. Public hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.

It was recommended that **'TORs' along with Public Hearing** prescribed by the Expert Appraisal Committee (Infrastrucure-2) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. The draft EIA/EMP report shall be submitted to the State Pollution Control Board for public hearing. The issues emerged and response to the issues shall be incorporated in the EIA report.

12.2.13. **Development of 18 hole Golf Course and an Eco Tourism Resort at Village Tiracol, Taluka Pernem, North Goa by M/s Leading Hotels Ltd.- TOR regarding (IA/GA/MIS/60977/2016; 21-8/2016-IA-III)**

SEIAA, Goa vide letter no 3-181-2010/STE-DIR/13 dated 12.04.2013 has granted environmental clearance to M/s Leading Hotels Ltd for development of 18 hole Golf Course. Further, Hon'ble NGT vide order dated 29th November, 2016 has directed that:

i. "*The EC dated 12.04.2013 is kept in abeyance for next 4 months.*

ii. *The Goa-SEAC shall appraise the project by considering all the materials on record within next 4 weeks and send the recommendation to SEIAA who shall further appraise the project for decision on grant of EC within 4 weeks from the date of the receipt of recommendations of SEAC. Both SEAC and SEIAA shall appraise project without any prejudice, without getting influenced by any of the observations in the judgement*."

Further, in compliance of Hon'ble NGT order dated 29th November, 2016, PP submitted online application to the Ministry for appraisal of the project as term of SEIAA/SEAC, Goa has expired on 8.12.2016. Due to absence of SEIAA/SEAC, Goa, project has been treated as category 'A' and appraised by the Expert Appraisal Committee (Infrastructure-II). The Committee noted that M/s Leading Hotels Ltd. has proposed for development of 18 hole Golf Course and an Eco Tourism Resort at Village Tiracol, Taluka Pernem, North Goa. Total plot area is 244.6 acres i.e. 99 ha. Since plot area is more than 50 ha, project falls under item no. 8 (b) i.e. Township and area development projects of the schedule of the EIA Notification, 2006. The Committee also noted that earlier SEIAA/SEAC, Goa has considered this project under item no. 8 (a) instead of 8 (b) of the schedule of EIA Notification, 2006. Proposal also attracts provision of CRZ Notification, 2011. MoEF&CC vide letter no F 11-32/2014 IA III dated 9th December, 2014 has granted CRZ clearance to M/s Leading Hotes Ltd. Details of area as per CRZ is as given below:

Sr. No.	Description	Area	
		(acre)	(sq.m)
1	Area within 200 m of HTL (NDZ)	51.9	2,10,061
2	Plot area between 200-500m of HTL	86	3,48,079
3	Area beyond 500 m of HTL (beyond CRZ)	99	4,00,695

4	Area within 100m of River Bank (NDZ)	7.7	31,165
	Total Area of the plot	**244.60**	**9,90,000**
	Permissible FSI Area	--	40,000
	Gross covered Area	--	58,416

Details of facilities to be constructed and area statement are given below:

S. N.	Description	Area (sq m)
1	Main Resort & Associated facilities	
	Resort villas-125 nos.	9,300
	Lobby and Public spaces	727
	Food and beverages areas	1,520
	Banquet and meeting facilities	2,751
	Administrative offices and ancillary area	466
	Spa and fitness center	1,590
	Sports and children activities	1,760
	Food & beverages related services	1,226
	Truck dock area	371
	Housekeeping and laundry	870
	Human resource and security	182
	Employee facilities	1,266
	Repairs & maintenance	904
2.	Premium resort villas (60 nos)	24,190
3.	Back of house (BOH)	
	General circulation	1,000
	Common BOH (Back of house)	1,993
4.	Community facilities	8,300
	Total Gross Floor Area	**58,416**

Cost of project is Rs. 505 Crores. Total water requirement will be 2550 cmd, which will be sourced from Tillari Dam (1500 m3/day); Ground water source (250 m3/day); treated sewage (500 m3/day). Total sewage generation will be 550 m^3/day. Sewage will be treated in the STP. Solid waste generation of Biodegradable waste will be around 260 kg/day and will be processed in OWC and Non-biodegradable waste will be around 260kg/day will be handed over to authorized local vendor. The total Power requirement during construction phase will is 5050KVA. and will be met from the Goa Power grid and the total power requirement during construction phase is 500KVA and will be met from the Goa Power Grid. Roof water rainwater of buildings will be collected in Water from roof tops (area 40,000 sqm) will be conveyed though down take pipes and led to individual collection chambers opening into a Central Collection Tank. The capacity of the central water collection tank will be around 10,000 m3.

After detailed deliberations on the proposal, the Committee *recommended for grant of Terms of Reference as specified by the Ministry as Standard ToR in April, 2015 for the said project/activity* and the following TOR in addition to *Standard ToR* for preparation of EIA-EMP report:

i. Importance and benefits of the project.

ii. Present landuse of the proposed project site.

iii. Copy of project sanction plan.
iv. Details of project configurations and built up area.
v. Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.
vi. Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.
vii. Details of source of water supply alongwith permission to be submitted.
viii. Quantification of various effluent streams such as sewage, restaurant effluent, Laundry effluent etc.
ix. Treatment scheme for effluent and its recycling mode.
x. Water conservation plan for golf course.
xi. Action plan to prevent pollution from discharge of surface runoff into water bodies.
xii. Action plan to control soil erosion.
xiii. Details energy conservation measures to be taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal.
xiv. Details of DG sets. Prediction of ground level concentration due to emissions from DG sets.
xv. Details of arrangement for meeting standby power from solar energy.
xvi. Details of rain water harvesting system to be furnished. Clarity on recharge pits, storage systems for rain water and use of appropriate filtration system for collected rain water to be detailed.
xvii. Calculation on sizing of solar water heating systems to be furnished.
xviii. A management plan for excavation and dewatering to ensure compliance to the CGWA guidelines and regulation.
xix. Solid waste management plan alongwith area earmarked for solid waste management scheme.
xx. Management and disposal plan of used cooking oil from restaurant.
xxi. Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting.
xxii. Layout plan indicating Greenbelt alongwith area earmarked to be provided.
xxiii. Disaster Management plan including onsite and offsite plan.

It was recommended that 'TORs' prescribed by the Expert Appraisal Committee (Infrastrucure-2) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006.

12.2.14. **Proposed Integrated Infrastructure Facilities for HAL New Helicopter Factory at Bidrehalla, Kaval, Gubba, Tumakuru, Karnataka by M/s Hindustan Aeronautics Limited-TOR regarding**

M/s Hindustan Aeronautics Limited has proposed for setting up of Integrated Infrastructure Facilities for HAL New Helicopter Factory at Bidrehalla, Kaval, Gubba, Tumakuru, Karnataka. The proposed land of 615 acres is under the possession of HAL, which is allotted by the Government pf Karnataka. Break up of land is as given below:

S.N.	Facility	Land requirement
1	Factory	240 acres

2	Other facility like flght operations, training centre, roads etc	252 acres
3	Township	123 acre

Helicopter production division will consist of following facilities :

Sl. No.	Proposed facilities
A.	Helicopter Product Division:
i)	Administrative Block
ii)	Centralized IT Dept & Data centre
iii)	Structural Assembly & Sub Assembly Hangar
iv)	Equipping Hangar
v)	Flight Hangar
vi)	Rain Water Testing
vii)	Helicopter Painting shop
viii)	Stores
ix)	Out sourcing Inspection Area
x)	Scrap yard
xi)	First Aid Centre
xii)	Executive Canteen
xiii)	Workers Canteen
xiv)	Area for Ground Test Vehicle
xv)	FTC
xvi)	Overhead Water Tank
xvii)	Fire Station
xviii)	Helicopter parking
xxi)	VVIP Lounge/Rest Room
xx)	Flight Operations Office (Test pilots)
xxi)	Flight operations area
xxii)	Power Run Area
xxiii)	Plant Maint. Captive power plant, Boilers & Compressor Houses
xxvi)	Substations
xv)	Engine Manufacturing, repair/overhaul division:
B.	Engine Manufacturing, repair/overhaul division:
i)	Administrative Block
ii)	Executive Canteen
iii)	Workers Canteen & Kitchen
iv)	First Aid Centre
v)	Methods, Progress, Tooling, DLE & Outsourcing
vi)	Mfg Shop (Casing Blades, pipes & non Conv) cell - 3 nos.
vii)	Welding Inspection Cleaning & NDT Shop
viii)	Welding & Pipe Bending Shop
ix)	Mfg shop (Sheet Metal ,General ,Tool Room & Gauge Room)
x)	Accessory Shop
xi)	Assy Shop, POU Store & Kitting Area
xii)	Finished Parts Stores
xiii)	Cold Stores & Consumable Stores
xiv)	Raw Material Stores
xv)	Shop, Maintenance & Inspection Offices
xvi)	Engine Test Bed
xvii)	Scrap Yard

		xviii)	Substations & Compressor Room	
		xxi)	Fuel Storage Tank	
		C.	Composites manufacturing division:	
		i)	Administrative Block	
		ii)	Material Management Department	
		iii)	Canteen	
		iv)	Engg. Block	
		v)	Airframe Layup Shop	
		vi)	Nitrogen & Air Receivers, Electricals	
		vii)	Rotor Layup Shop	
		viii)	Stores	
		ix)	CNC Shop	
		x)	Maintenance	
		xi)	PTS	
		xii)	CTM Shop	
		xiii)	FPT	
		xiv)	ETP	
		xv)	STP	
		xvi)	MRWT Test Rig	
		xvii)	Electrical Systems Installation	
		xviii)	VIP Conference Room, Control Room, Blade Store Room	
		xxi)	TRWT for requirements	
		xx)	Autoclave	
		xxi)	Substations & Captive power plant	
		D.	Transmission division & Ground Test Centre(GTC):	
		i)	Admin Block	
		ii)	Executive Canteen	
		iii)	Workers Canteen	
		iv)	First Aid Centre	
		v)	Central Library	
		vi)	Machine Shop	
		vii)	Central Lab	
		viii)	Transmission Assy Shop and Office	
		ix)	Metrology	
		x)	Heat Treatment Shop	
		xi)	Office + HT Inspn + Mech Testing Lab	
		xii)	Process Shop + (20 Lines) + DM Plant + ETP	
		xiii)	Paint shop	
		xiv)	Office + Process inspection NSPN+NDT+ Chemical Lab	
		xv)	Compressor House + Boiler	
		xvi)	DG Set & Plant Maintenance Office	
		xvii)	Centralised Tool Room	
		xviii)	Ground Test Centre	
		xxi)	Stores	
		xx)	Scrap Yard	
		xxi)	Substations, Captive power plant & Plant Maintenance	
		E.	Flight operations area including Runways, Taxiway & ATC:	
		F	Township& Amenities (Integrated):	

G.	Functional Services/Utilities: Mechanical and Electrical Services, PHE services, Canteen Security, First Aid centers, Water supply. Fire fighting, Parks & Greenery, Rainwater harvesting, MSW treatment.

A township is planned adjacent to helicopter factory and spread over in an area of 123 acres with which will be catering about 65% of the employees. It has been planned to construct 2200 family accommodation and 400 bachelor accommodation. The township will have all amenities like hospitals, schools, banks, post office and sports complex with suitable sewage treatment plant. The township is aimed to achieve GRIHA rating in order to comply environmental sustainability.

It is expected about 144m^3 per day of sewage is likely to be generated from the factory. Similarly at township the total sewage generated is about 993m^3 per day In order to implement zero discharge concept, it has been planned to adopt state-of-the-art technology i.e., Membrane Bio Reactor (MBR) to treat the sewage generated from the complex. The waste water generated from the plant will be treated effectively to meet the state pollution control board norms of 20 mg/l for BOD and TSS 100 mg/l and reused within the factory for various purposes like green belt development and make-up.

The solid wastes from composite parts and assemblies manufacturing units are uncured pre-preg cut layers (glass/carbon/aramid, life expired pre-pregs), cured composite waste like trimmed out portions (cured resins/araldites and rejected parts/tools), honeycomb & aluminium cores/Rohacell foam waste (trimmed/rejected), composite dust generated during machining/trimming, discarded metal tools/jigs & other metallic waste like metal cans, polymer waste (like vacuum bagging materials, release film, pre-preg protective films), fabric wastes (like breathers, gloves, masks), life expired paints and adhesives, wood waste, paper & card board waste and e-waste etc, packaging materials.,

The acid/alkali, chrome and Cyanide containing effluents will be generated from the factory, which will be treated in the ETP.

Cost of project is Rs 6300 Crore. PP also clarified that no furnace will be used in the factory.

The Committee noted that plot area is 615 acres (248.9 ha), which is more than 50 ha. Therefore, proposed project falls under item no. 8 (b) i.e. Township and area development projects of the schedule of the EIA Notification, 2006. As per amended notification dated 9.12.2016, covering an area more than 150 ha, proposal is categorized as Category 'A' and appraised by EAC.

After detailed deliberations on the proposal, the Committee *recommended for grant of Terms of Reference as specified by the Ministry as Standard ToR in April, 2015 for the said project/activity* and the following TOR in addition to *Standard ToR* for preparation of EIA-EMP report:

i. Importance and benefits of the project.
ii. Present landuse of the proposed project site.
iii. Details of project configurations and built up area.
iv. R&R details in respect of land in line with state Government policy
v. Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste

	handling area, rain water harvesting structure, etc. in different colour to be furnished. vi. Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway. vii. List of raw materials required and their source along with mode of transportation. viii. Other chemicals and materials required with quantities and storage capacities ix. Details of Emission, effluents, hazardous waste generation and their management. x. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract) xi. Water balance chart. xii. Details of effluent treatment schemes and disposal facility. xiii. Details energy conservation measures to be taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal. xiv. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features including DG sets. xv. Details of arrangement for meeting standby power from solar energy. xvi. Details of rain water harvesting system to be furnished. Clarity on recharge pits, storage systems for rain water and use of appropriate filtration system for collected rain water to be detailed. xvii. Calculation on sizing of solar water heating systems to be furnished. xviii. A management plan for excavation and dewatering to ensure compliance to the CGWA guidelines and regulation. xix. Solid waste management plan alongwith area earmarked for solid waste management scheme. xx. Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting. xxi. Layout plan indicating Greenbelt alongwith area earmarked to be provided. xxii. Hazard identification and details of proposed safety systems. xxiii. Disaster Management plan including onsite and offsite plan. xxiv. Status of court case pending against the project. It was recommended that 'TORs' prescribed by the Expert Appraisal Committee (Infrastrucure-2) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006.
12.2.15.	Expansion of facilities (1 MTPA to 13.74 MTPA) at Port Redi, Sindhudrug, Maharashtra by M/s Redi Port Ltd.- Reconsideration of EC & CRZ clearance (11-15/2010 IA III) ToR was granted on 12.05.2010. Further, proposal was considered by the EAC in its meeting held on 20-23 November, 2013 and the EAC noted that the details of land purportedly allotted by the Government of Maharashtra for the port were not available and land was not yet in the possession of the proponent. The EAC decided that the proposal shall be considered once the land comes under passion of the proponent. The EAC advised the Project proponent to superimpose the layout map with port boundary on the Google map alongwith State boundary and nerby creek system. The Map should show the river and the existing port and the layout of the proposed port superimposed on the same map. Now PP has submitted the superimposed

layout map.

Maharashtra Coastal Zone Management Authority vide letter no CRZ 2012/CR148/TC4 dated 24th October, 2013 has recommended the project to MoEF&CC..

An all weather multipurpose port is proposed to be developed in an area of 98 ha. out of which, 64.22 ha of land is planned to be reclaimed. Remaining 33.78 ha is a Government land. Around 33.78 ha forest land is involved in this project. Forest clearance is under process

Existing jetty is handling 1 MTPA cargo i.e. Iron ore. The expansion of Redi Port is proposed towards 2.0 km south of the existing port. Dredging quantity will be 3.36 MCM and Reclamation quantity will be 5.5 MCM.

It was noted that Ministry vide letter dated 17.10.2013 has lifted the moratorium for consideration of proposal from Ratnagiri and Sindhudurg Districts, Maharashtra except talukas namely Khed, Chiplun, Sangameshwar, Lanja and Rajapur. Proposed project is falling in the taluka Vengurla.

Public hearing was conducted by SPCB, Maharashtra on 12.09.2011.

After deliberation, the Committee sought following additional information:

(i) Status of stage – I forest clearance.
(ii) Tabular statement indicating details of (a) existing facilities as per existing EC obtained;(b) proposed additional facilities; (c) total capacity after expansion to be provided.
(iii) Copy of existing environmental clearance to be submitted.
(iv) Dispersion modelling for the dumping of the additional dredge materials shall be carried out. The study report shall be incorporated. Coordinate of dumping ground.
(v) Details of the air pollution control measures to be undertaken for the Dry bulk cargo handling berth.
(vi) Layout map of greenbelt proposed around the dry bulk cargo berth.
(vii) Issues raised during public hearing and commitments made by the project proponent in the form of tabular chart with financial budget for complying with the commitments made.
(viii) The project proponents were advised to give the latest status on availability of Government land and send a copy of the minutes of the EAC meeting of 2013. Whether the MoEF had earlier said that unless the Government land is made available to the project they will not be in a position to accord final approval.
(ix) Proponents were advised to submit an on site disaster management plan and dovetail it with the off site management plan after including all cargo handled including Hazardous chemicals.
(x) The project proponents were advised to prepare a detailed biodiversity impact assessment report and management plan through the NIOS or any other institute of repute on marine, braches water and fresh water ecology and biodiversity. The report shall study the impact on the rivers, estuary and the sea and include the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, subtidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles , birds etc. as also the productivity. The data collection and impact assessment shall be as per standard survey methods.

The proposal was deferred till the desired information is submitted through online. The above

	information shall be provided with the uploading of minutes on the website.
12.2.16.	**Solid Waste Management Project at Village Kadupada, Belpahar Municipality in Odishaby M/s OUIDF- TOR reg. (IA/OR/MIS/53187/2016)** The project authorities gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken along with the draft Term of References for the preparation of EIA-EMP report. All the projects related to common municipal solid waste management facility are listed at 7(i) of schedule of EIA Notification, 2006 covered under category 'B' and appraised at state level. However, applicability of general condition i.e. located within Jharsuguda IB Valley CPA, proposal is treated as category 'A' project. M/s OUIDF has proposed for developing Solid Waste Management Project at Plot no.-2321, khata no.- 1267, Village Kadupada**,** Belpahar Municipality in Odisha. PP informed that alternate site analysis was carried out. Two sites namely Udajhangapadia Ward no. 18 and Kadupadda Ward no 11 were identified by Belapahar Municipality for ISWM facility. It is reported that Kadupadda Ward no 11 has been found best ranked site for solid waste management. Total plot area is 10 acres. Cost of project is Rs. 535.17 crore. The proposed integrated MSW management project will include following components : a) Direct collection of segregated waste (door to door collection) within Municipal limits of the ULBs. b) Storage & transportation of segregated MSW from secondary collection points of the ULBs to the MSW processing site of each ULB with the provision for segregation, processing and transportation of inert to disposal site. c) Facilitate MSW processing facility i.e. controlled mechanical aerobic composting process (13.56 MTPD). d) To develop an engineered sanitary landfill site for scientific disposal of processing rejects/inerts at Village Kadupadda, Belpahar for both Brajrajnagar as well as Belpahar. It is reported that Reserved Forests namely, Arahaparha (R.F) - 12.5 Km,S Telrnpali (R.F)-10.9 Km, S Khandisha (R.F) -9.8 Km, SWS Remenda(R.F)- 10.5 Km, SW Bhawarkhon (R.F)-6.5 Km, Singaribahn(R.F)-12 Km, NW Kaudahha (R.F)-9.2,Km,NW Bikarmakhol (R.F)-2.7 Km, N Rajpur (R.F)-5.2 Km,N Bandahal (P.F)-8.3 Km, NW Makacachata (R.F)-9.5 Km, N Giripanar (R.F)-12.1 Km, NW Katanguburi (R.F)-11.5 Km, NE Saliman (R.F)-13.7 Km, NE Khait (R.F)-9.5 Km, E Rampur (R.F)- 9.6 Km, ESE Maldah (R.F)-9.9 Km, SE Patarpaal (R.F)-11.5 Km,SE are located within 15 km distance. Water bodies namely, IB River-8.6 Km, E Bhedan River-9.2 Km, E Lilari Nala-4.5 Km, S Hirakund Reservoir -10.5 Km, SE Basundha Nala- 11.00 Km, NE Garia Nala- 14.8 Km, N Hinjankharu Jhor-3.6 Km, W Bagdiha Jhor- 10.7 Km, SW Kanka Jhor-9.7 Km, SW are located within 15km distance. After detailed deliberations on the proposal, the Committee *recommended for grant of Terms of Reference as specified by the Ministry as Standard ToR in April, 2015 for the said project/activity* and the following TOR in addition to *Standard ToR* for preparation of EIA-EMP report:

	i. Importance and benefits of the project. ii. A sensitivity analysis of the site shall be carried out as per the MoEF criteria and form part of the EIA report. iii. Details of various waste management units with capacities for the proposed project. Details of utilities indicating size and capacity to be provided. iv. List of waste to be handled and their source along with mode of transportation. v. The project proponents should consult the Municipal solid waste Management manual of the Ministry of Urban Development, Government of India and draw up project plans accordingly. vi. Methodology for remediating the project site, which is presently being used for open dumping of garbage. vii. Layout maps of proposed solid waste management facilities indicating storage area, plant area, greenbelt area, utilities etc. viii. Details of air emission, effluents generation, solid waste generation and their management. ix. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract) x. Process description along with major equipments and machineries, process flow sheet (quantative) from waste material to disposal to be provided xi. Hazard identification and details of proposed safety systems. xii. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. xiii. Details of effluent treatment and recycling process. xiv. Action plan for measures to be taken for excessive leachate generation during monsoon period. xv. Detailed Environmental Monitoring Plan. xvi. Report on health and hygiene to be maintained by the sanitation worker at the work place. xvii. Public hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made. xviii. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case. xix. A tabular chart with index for point wise compliance of above TORs. It was recommended that **'**TOR**'** along with Public Hearing prescribed by the Expert Appraisal Committee (Infrastructure- 2) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. The draft EIA/EMP report shall be submitted to the State Pollution Control Board for public hearing. The issues emerged and response to the issues shall be incorporated in the EIA report.
27th December, 2016	
12.3.1.	**Residential development with Shops at Village Owale, Thane (W), Maharashtra by M/s Sai Shraddha Developers** – Environment Clearance reg. (21-44/2016-IA-III) M/s Sai Shraddha Developers has proposed for construction of Residential-cum-Commercial

Development at Sy. No. S. No. 108 (New S. No. 73), H. No. 1, 2, 3, 4, 5, 7 and 8(pt), Village Owale, Thane (W), Maharashtra. Total plot area is 12,270.00 m^2 and built up area is 44,448.94 m^2. Total parking space will be provided to 438 nos four wheelers and 426 nos. two wheelers.

Following is the building configuration:

Configuration: 2 Buildings	**Details**
Building A1: Ground + Podium 1 + Stilt + 28Upper Floors	**Total No. of Flats for Sale:** 327 Nos. **Mumbai Housing And Area Development Authority (MHADA) Flats to be handed over:** 25 Nos. **Shops:** 12 Nos.
Building A2: Ground + Podium 1 + Stilt + 28Upper Floors	
Club house	

It is reported that eco-sensitive area namely Sanjay Gandhi National Park (1. 0 km) and Tungareshwar Bird Sanctuary are located within 15 km distance. Waterbodies namely Kolshet Lake, Yeoor Lake, Rewale Lake, Upvan Lake, Rewale Lake, AmbeGhosale Lake, Brahmala Lake, Siddeshwar Lake, Makhmali Lake, Raila Devi Lake, Kachrali Lake, Hariyali Lake, Masunda Lake, Thane Jail Lake, Tulsi Lake, Vihar Lake, Digha Lake, Mogliche Lake, Shivaji Lake, Kharegaon Lake, Thane Creek and Gorai Creek are located within 15 km distance.

Total water requirement is 246 m3/day. Out of which fresh water requirement from T.M.C./Rain water harvesting in monsoon season will be 159 m3/day. Remaining water requirement i.e. 87 m3/day will be met from treated effluent. Sewage generation will be 207 m3/day, which will be treated in STP. The total quantities of solid waste that will be generated in the project will be 796 kg/day. Out of which 241 kg/day will be non-biodegradable and 555 kg/day will be biodegradable. Bio degradable garbage will be treated in OWC (Organic Waste Convertor). Recyclable waste will be handed over to recyclers and non-recyclable waste: Handed over to T.M.C. STP Sludge (Dry sludge) will be used as manure within the premises for plants. Total power requirement will be MSEDCL will be 1977 KW. DG set (250 KVA) will be installed for standby power. one Rain Water Harvesting tank of capacity 35 KL. The Committee suggested them increase the size of rain water harvesting tank.

After detailed deliberation, the Committee sought following additional information:

(i) Give details of the past history of the project related to submission of application at the SEIAA Maharashtra.

(ii) Respond to the comments made by the SEAC/SEIAA during the presentations at Maharashtra, based on minutes of SEAC/SEIAA meetings.

(iii) Give a justification as to how does the project conform to the ESZ notification for Sanjay Gandhi National Park, Borivili.

	(iv) Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016. **(v)** Approved Sanction plan. **(vi)** Present landuse of the proposed project site. **(vii)** Pl confirm whether site is not located on the wet land. **(viii)** Commitment that shops and other establishments in residential blocks with have to conform to residential area norms in terms of noise pollution and vehicular movements and shall not create a nuisance for residents of the Blocks. **(ix)** Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished. **(x)** Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway. **(xi)** Details of source of water supply alongwith permission to be submitted. **(xii)** Excess treated sewage disposal plan/scheme to be submitted. **(xiii)** Prediction of ground level concentration of emissions from stack due to DG set (250 KVA). **(xiv)** Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy. **(xv)** Calculation on sizing of solar water heating systems to be furnished. **(xvi)** At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid. **(xvii)** Solid waste management plan alongwith area earmarked for solid waste management scheme. **(xviii)** Recheck and increase the size rain water collection pit. **(xix)** Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting. **(xx)** Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal **(xxi)** Layout plan indicating Greenbelt alongwith area earmarked to be provided. The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.
12.3.2.	**Residential development with shops at village Owale, Thane, Maharashtra by M/s. Sai Pushp Enterprises – Environment Clearance reg. (21-45/2016-IA-III;** IA/MH/MIS/60295/2016) M/s. Sai Pushp Enterprises has proposed for construction of building at S. NO. 67 (H. No. 1 to 7), 68 (H. No. 1 & 3), 70 (H. No. 1 & 2), 71 (H. No. 3, 4 & 5), 72 (H. No. 4 & 6B) village Owale, Tehsil & District Thane, Maharashtra. Total plot area is 32,670.00 Sq. mt and built up area 1,18,535.47Sq. mt. Total parking space will be provided to 1256 nos four wheelers and 1149 nos. two wheelers. Following is the building configuration:

Six Buildings	Details
Building B1: Ground + Podium 1 + Stilt + 28 Upper Floors	Total No. Flats for Sale: 846 Nos. Mumbai Housing And Area Development Authority (MHADA) Flats **to be handed over**: 78 Nos. Shops: 15 Nos.
Building B2: Ground + Podium 1 + Stilt + 28 Upper Floors	
Building B3: Ground + Podium 1 + Stilt + 28 Upper Floors	
Building B4: Ground + Podium 1 + Stilt + 28 Upper Floors	
Building B5: Ground + Podium 1 + Stilt + 28 Upper Floors	
Building B6: Ground + Podium 1 + Stilt + 28 Upper Floors	
Club House	

It is reported that eco-sensitive area namely Sanjay Gandhi National Park (1. 0 km) and Tungareshwar Bird Sanctuary are located within 15 km distance. Waterbodies namely Kolshet Lake, Yeoor Lake, Rewale Lake, Upvan Lake, Rewale Lake, AmbeGhosale Lake, Brahmala Lake, Siddeshwar Lake, Makhmali Lake, Raila Devi Lake, Kachrali Lake, Hariyali Lake, Masunda Lake, Thane Jail Lake, Tulsi Lake, Vihar Lake, Digha Lake, Mogliche Lake, Shivaji Lake, Kharegaon Lake, Thane Creek and Gorai Creek are located within 15 km distance.

Total water requirement is 645 m3/day. Out of which fresh water requirement from T.M.C./Rain water harvesting in monsoon season will be 417 m3/day. Remaining water requirement i.e. 228 m3/day will be met from treated effluent. Sewage generation will be 542 m3/day, which will be treated in STP. The total quantities of solid waste that will be generated in the project will be 2084 kg/day. Out of which 628 kg/day will be non-biodegradable and 1456 kg/day will be biodegradable. Bio degradable garbage will be treated in OWC (Organic Waste Convertor). Recyclable waste will be handed over to recyclers and non-recyclable waste: Handed over to T.M.C. STP Sludge (Dry sludge) will be used as manure within the premises for plants. Total power requirement will be MSEDCL will be 5173 KW. DG set (500 KVA) will be installed for standby power. one Rain Water Harvesting tank of capacity 90 KL. The Committee suggested them increase the size of rain water harvesting tank.

After detailed deliberation, the Committee sought following additional information:

(i) Give details of the past history of the project related to submission of application at the SEIAA Maharashtra.

	(ii) Respond to the comments made by the SEAC/SEIAA during the presentations at Maharashtra, based on minutes of SEAC/SEIAA meetings. **(iii)** Give a justification as to how does the project conform to the ESZ notification for Sanjay Gandhi National Park, Borivili. **(iv)** Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016. **(v)** Present landuse of the proposed project site. **(vi)** Pl confirm whether site is not located on the wet land. **(vii)** Commitment that shops and other establishments in residential blocks with have to conform to residential area norms in terms of noise pollution and vehicular movements and shall not create a nuisance for residents of the Blocks. **(viii)** Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished. **(ix)** Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway. **(x)** Details of source of water supply alongwith permission to be submitted. **(xi)** Excess treated sewage disposal plan/scheme to be submitted. **(xii)** Prediction of ground level concentration of emissions from stack due to DG set (500 KVA). **(xiii)** Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy. **(xiv)** Calculation on sizing of solar water heating systems to be furnished. **(xv)** At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid. **(xvi)** Solid waste management plan alongwith area earmarked for solid waste management scheme. **(xvii)** Recheck and increase the size rain water collection pit. **(xviii)** Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting. **(xix)** Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal **(xx)** Layout plan indicating Greenbelt alongwith area earmarked to be provided. The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.
12.3.3.	**Expansion of residential development at Survey no. 109 Hissa no. 3, 6, Survey no. 111 Hissa no. 10, Survey no. 121, Hissa no. 1, 2, 8of Village Ghodbunder, Bhayander (East), Thane, Maharashtra by M/s Arkade Realty – Environment Clearance reg.** (**21-46/2016-IA-III)** M/s Arkade Realty has proposed for expansion of residential development " Arkade Art" Survey no. 109 Hissa no. 3, 6, Survey no. 111 Hissa no. 10, Survey no. 121, Hissa no. 1, 2, 8of Village Ghodbunder, Bhayander (East), Thane, Maharashtra. SEIAA vide letter no SEAC-2014/CR-54/TC-1 dated 19th May, 2016 has granted environmental clearance to M/s Arkade Realty for residential development project. Now, project proponent proposes to expands the 2 buildings vertically by utilizing the available FSI area as per given following configuration:

S.N.	Building No.	Configuration approved as per EC dated 19th May, 2016	Configuration proposed	Remarks
1	B1	Stilt/ Ground + 13 floors	Stilt/ Ground + 15 floors	Increase in 2 floors
2	B2	Stilt/ Ground + 14 upper floors	Stilt/ Ground + 14 Floors	No change
3	B3	3 Stilt/ Ground + 13 upper floors	3 Stilt/ Ground + 13 floors	No change
4	B4	Stilt/ Ground + 13 upper floors	Stilt/ Ground + 14 floors	Increase in 1 floor
5	Club House	Ground + 1 (pt) Floor	Ground + 1 (pt) Floor	No change

The expansion is proposed from built up area of 38,027.87 m^2 to 39,824.19 m^2 with increase in 26 nos. of tenements. PP informed that the project is under construction and so 32433.29 m^2 built up area is completed. Total tenements are proposed 490 nos. 131 nos. parkings have been proposed for 4 wheelers whereas 60 nos. parking provisions made for 2 wheelers. The Committee suggested them to provide 4 wheelers parking to each flat. Total water requirement is 395 m^3/day. Out of which, fresh water requirement from municipal water supply will be 250 m^3/day and remaining water requirement (144 m^3/day) will be met from treated sewage. Sewage generation will be 395 m^3/day and treated in the STP. DG sets (1x 250 KVA + 1x 200 KVA + 1x 230 KVA + 1x 180 KVA) will be installed. PP informed that they have not submitted application for EC to the SEIAA, Maharashtra.

After detailed deliberation, the Committee sought following additional information:

(i) Copy of certified compliance report issued by the Regional Office, Nagpur for the environmental condition stipulated in the existing EC.
(ii) Certificate from the Government Institution/Agency that existing construction is structurally safe to take load of 2 additional floors.
(iii) Give a justification as to how does the project conform to the ESZ notification for Sanjay Gandhi National Park, Borivili.
(iv) Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016.
(v) Approved Sanction plan.

(vi) Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.
(vii) Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.
(viii) Recheck and re-estimate requirement of 4 wheelers parking. Efforts should be made to provide vehicle parking to each flat.
(ix) Details of source of water supply alongwith permission to be submitted.
(x) Excess treated sewage disposal plan/scheme to be submitted.
(xi) Prediction of ground level concentration of emissions from stack due to DG set (1x 250 KVA + 1x 200 KVA + 1x 230 KVA + 1x 180 KVA).
(xii) Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy.
(xiii) At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid.
(xiv) Solid waste management plan alongwith area earmarked for solid waste management scheme.

	(xv) Recheck and increase the size rain water collection pit. **(xvi)** Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal **(xvii)** Layout plan indicating Greenbelt alongwith area earmarked to be provided. The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.
12.3.4.	Expansion of Environmental Clearance for Proposed Residential cum Commercial at Village Bhayanderpada, Taluka & District Thane (W), Maharashtra – Environment Clearance reg. **(21-47/2016-IA-III;** IA/MH/MIS/60167/2015) The project proponent did not attend the meeting.
12.3.5.	**Proposed Redevelopment of Residential Building on Plot Bearing Cts No. 1651, 1653 & 1654 of Bandra-C village, situated at Ambedkar Road, Bandra, Mumbai, Maharashtra by Shree Ahuja Properties Pvt. Ltd – Environment Clearance reg**. (**21-48/2016-IA-III;** IA/MH/MIS/60296/2016) Shree Ahuja Properties Pvt. Ltd have proposed for Redevelopment of Residential Building on plot bearing CTS No. 1651, 1653 & 1654 of Bandra-C Village situated at Ambedkar Road, Bandra, Mumbai. The total plot area of the project is 4,046.00 sq.mt and total built-up area is 41,537.53 sq.mt (FSI area is 16324.46 sq.mt and non FSI area is 25213.07 sq.mt. The proposed project consist of one building having configuration 1Tank level +3Basements + Stilt + 6 Podiums + 1Deck Level + 2 Transfer levels + 1 Fire check floor + 19 Residential floors (Tenant floors 10 nos. + Sale floors 9 nos.) amounting to total no. of 142 tenements. RG area proposed is 809.50 sq.mt. Cost of the project is Rs. 90.20Crores. It is reported that Sanjay Gandhi National Park is located at a distance of 10.85 km. Water bodies namely Arabian Sea (0.71 km away from HTL), Powai lake (9.64 km), Vihar lake (11.74 km) are located within 15 km distance. PP confirmed that proposed project does not attracts the provision of CRZ Notification, 2011. The total water requirement during operation phase of the project will be 115 m3/day out of which fresh water requirement is 70 m^3/day and recycled water requirement is 45 m^3/day. The fresh water supply for domestic purpose will depend on the local municipal supplies i.e. Municipal Corporation of Greater Mumbai water supply whereas treated water from sewage treatment plant will be use for flushing and gardening purpose. The total wastewater generated from the project will be 80 m^3/day. The waste generated will be treated in sewage treatment plant based on MBBR Technology of capacity 80 m^3/day. The treated water from sewage treatment plant will be reclaimed and used for flushing and gardening purpose that will result in minimum consumption of fresh water. The balance water will be discharge to municipal drain. The power requirement during operation period will be about 3657 KW for connected load and 980 KW for maximum demand load. The power supply will be from M/s. Reliance Energy. There will be also provision for DG set in case of emergency. 1 No. of DG set of capacity630 kVA for apartment and 1 No. of DG set of capacity 320 KVA for MCGM will be provided.

	The total solid waste generated during operation phase will be 355 kg/day. The biodegradable waste will be 213 kg/day whereas non biodegradable waste will be 142 kg/day. The biodegradable waste will be composted whereas other will be given to authorized agencies. After detailed deliberation, the Committee sought following additional information: **(i)** Give details of the past history of the project related to submission of application at the SEIAA Maharashtra. **(ii)** Respond to the comments made by the SEAC/SEIAA during the presentations at Maharashtra, based on minutes of SEAC/SEIAA meetings. **(iii)** Give a details of eco-sensitive area including water bodies within 10 km distance. **(iv)** Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016. **(v)** Whether this project attracts CRZ notification, 2011. Pl indicate distance of project from the HTL on the google map. **(vi)** Copy of approved Sanction plan. **(vii)** Action plan for management of Construction and Demolition waste generated from the redevelopment. **(viii)** Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished. **(ix)** Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway. **(x)** Details of source of water supply alongwith permission to be submitted. **(xi)** Excess treated sewage disposal plan/scheme to be submitted. **(xii)** Prediction of ground level concentration of emissions from stack due to DG set (630 KVA & 320 KVA). **(xiii)** Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy. **(xiv)** Calculation on sizing of solar water heating systems to be furnished. **(xv)** At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid. **(xvi)** Solid waste management plan alongwith area earmarked for solid waste management scheme. **(xvii)** Details of rain water harvesting. **(xviii)** Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting. **(xix)** Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal **(xx)** Layout plan indicating Greenbelt alongwith area earmarked to be provided. The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.
12.3.6.	**Proposed Redevelopment of existing building No. 1 to 7, Known As Saptarshi Co-op Hsg. Society Ltd on Plot Bearing CTS No. 475(pt) at Swadeshi Mill Compound, Chunabhatti – Sion, Mumbai by M/s. S. B. Developers– Environment Clearance reg.** (**21-49/2016-IA-III;** IA/MH/MIS/60550/2016) The project proponent did not attend the meeting.

12.3.7. **Amendment and Expansion in EC for Redevelopment of residential project under Rental Housing Scheme "Pinnacolo" on plot bearing S. No. 445 (old), 129 (New) and S. No. 446 (Old), 130 (New), H. No. 3, Village Navghar, Bhayandar, Dist – Thane, Maharashtra by SKD Reality LLP – Environment Clearance reg.** (**21-50/2016-IA-III**; IA/MH/MIS/60045/2016)

The project proponent did not attend the meeting.

12.3.8. **"SHANTI GREENS", Proposed Residential Development On Plot Bearing Survey Nos. 57l3, Sliilphata Diva Naka, Near M. B.T' Road Thane, Maharashtra by M/s Marvel Life Spaces LLP– Environment Clearance reg. (IA/MH/MIS/60484/2016; 21-51/2016-IA-III)**

M/s Marvel Life Spaces LLP has proposed for Residential building of Shanti Greens on Plot bearing S. No. 57/3 at village Padale, S.No. 108/1, 2. S.No.-109/1/a ,1/b. at village Diaghar, near M.B.T. Road Thane, Maharashtra. Total plot area is 22,250.00 Sq. mt. and total built up area is 56924.64 Sq.mt. Building configuration is as given below**:**

S.N	Building name	Floor	
1	**Building A**	1 Basement + Ground + 3rd Floor	+1 Restaurant + 6 office + 2 Banquet
2	**Building B**	Stilt floor + 30 Floor	Sale: 186 nos & Mhada: 32nos
3	**Building C**	Stilt floor + 30 Floor	Sale: 109nos.
4	**Building D**	Stilt floor + 30 Floor	Sale : 230 nos.
5	**Building E**	Stilt floor + 19th Floor	Mhada 35 nos.

Height of building is 91.35 m. Parking space provide for car is 545 nos. and for bike (2 Wheeler) is 752 nos. Cost of project is Rs. 150 Crores.

It is reported that Sanjay Gandhi National Park (13.8 km) is located within 15 km distance. Waterbodies namely Thane Creek, KhardiGaon Lake, MoglicheTalab, Nilje Lake, Khidkali Lake, Vihar Lake, Pawai Lake within 15 km distance.

Total water requirment of the project is expected to be 281.00 m^3/day and the same will be met by the TMC and recycled water/ STP Treated Water/RWH. Waste water generation will be 229.00 m^3/day and treated in the STP of total 420.00 KLD capacity. Treated wastewater will be recycled (67.00 KLD for flushing, 5.00 KLD for gardening). Excess will be disposed in to municipal drain. About 1532.00 kg/day solid waste will be generated in the project. The biodegradable waste (1090.00 kg/day) will be processed in OWC and the non-biodegradable waste generated (442.00 kg/day) will be handed over to authorized local vendor. Rooftop rainwater of buildings will be collected in 3 RWH tank of total 193 KLD capacity for harvesting after filtration. DG sets (2 x 160 KVA) will be installed.

After detailed deliberation, the Committee sought following additional information:

(i) Give details of the past history of the project related to submission of application at the SEIAA Maharashtra.

	(ii) Respond to the comments made by the SEAC/SEIAA during the presentations at Maharashtra, based on minutes of SEAC/SEIAA meetings. **(iii)** Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016. **(iv)** Approved Sanction plan. **(v)** Pl confirm whether site is not located on the wet land. **(vi)** Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished. **(vii)** Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway. **(viii)** Details of source of water supply alongwith permission to be submitted. **(ix)** Excess treated sewage disposal plan/scheme to be submitted. **(x)** Prediction of ground level concentration of emissions from stack due to DG set (2 x 160 KVA). **(xi)** Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy. **(xii)** Calculation on sizing of solar water heating systems to be furnished. **(xiii)** At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid. **(xiv)** Solid waste management plan alongwith area earmarked for solid waste management scheme. **(xv)** Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting. **(xvi)** Give detailed plans for disposal of water generated through excavation and dewatering so as to conform to CGWA stipulations. Ensure that this water is in no circumstances drained out but is suitably harvested. Seek permission of CGWA in this regards. **(xvii)** Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal **(xviii)** Layout plan indicating Greenbelt alongwith area earmarked to be provided. The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.
12.3.9.	**The Proposed Residential Development at Sewri CTS No. 5F/172 , 5F-1/172, 6A/172, 851 (Pt) of Parel-Sewri Division, located at TokersiJivrajWadi, Acharya Donde Marg, Sewri West, Mumbai by M/s Infinity Realtors– Environment Clearance reg (IA/MH/MIS/60494/2016; 21-52/2016-IA-III)** M/s Infinity Realtors has proposed for development of residential building project at Sewri CTS No. 5F/172 , 5F-1/172, 6A/172, 851 (Pt) of Parel-Sewri Division, located at TokersiJivrajWadi, Acharya Donde Marg, Sewri West, Mumbai. Cost of project is Rs. 250 crore. The total plot area is 5528.37 sq.m. The project will comprise of One Building of B+ P0 Lobby Lvl+6 Level Podium Car Parks + Club Lvl + 39 Residential Floors. Total built up area is 47,209.33 sq.m. Total 169 Nos. of Flats shall be developed. Maximum height of the building is 148.60 Mt. New construction will be done after demolition of the existing structure. Parking facility for 382 four wheelers are proposed to be provided against the requirement of 386 (According to local norms) & 158nos. of 2W parking also proposed.

	It is reported that seweri mudflat and Arabian sea is located at a distance of 1.5 km. school is at a distance of 0.1 km. During construction phase, total water requirement is expected to be 12 KLD for workers and 10-20 KLD for construction, which will be met by MCGM and water tankers. During operational phase, total water demand of the project is expected to be 117.00 KLD and the same will be met by the M.C.G.M and recycled water/ STP Treated Water/RWH. Waste water generated (73.00 KLD) uses will be treated in STP of total 80.00 KLD capacity. Treated wastewater will be recycled (23.00 KLD for flushing, 2.00 KLD for gardening). Excess will be disposed in to municipal drain. About 445.00 kg/day solid waste will be generated in the project. The biodegradable waste (290.00 kg/day) will be processed in OWC and the non-biodegradable waste generated (155.00 kg/day) will be handed over to authorized local vendor. The total power requirement during construction phase is 100 KVA and will be met from MSEB and total power requirement during cooperation phase is 3957.00 kw (Connected Load) & 1443.58 kw (Maximum Demand) and will be met from MSEB. Rooftop rainwater of buildings will be collected in 1 RWH tank of total 72.00 KLD capacity for harvesting after filtration. DG set (1x 630 kVA) will be installed for standby power backup. After detailed deliberation, the Committee sought following additional information: **(i)** Give details of the past history of the project related to submission of application at the SEIAA Maharashtra. **(ii)** Give a details of eco-sensitive area including water bodies within 10 km distance. **(iii)** Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016. **(iv)** Approved Sanction plan. **(v)** Whether this project attracts CRZ notification, 2011. Pl indicate distance of project from the HTL on the google map. **(vi)** Give details on the impacts that the project may have on the SEWRI mudflats and on the Master plan for its development. **(vii)** Since the area falls in the silence zone, it would have to be declared accordingly and the silence zone notifications followed. A letter from the competent authority regarding administration of silence zone regulations shall be submitted before the project is implemented. **(viii)** Action plan for management of Construction and Demolition waste generated from the redevelopment. **(ix)** Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished. **(x)** Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway. **(xi)** Details of source of water supply alongwith permission to be submitted. **(xii)** Excess treated sewage disposal plan/scheme to be submitted. **(xiii)** Prediction of ground level concentration of emissions from stack due to DG set (1x 630 kVA). **(xiv)** Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy. **(xv)** Calculation on sizing of solar water heating systems to be furnished. **(xvi)** At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid. **(xvii)** Solid waste management plan alongwith area earmarked for solid waste management scheme.

	(xviii) Details of rain water harvesting. **(xix)** Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting. **(xx)** Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal **(xxi)** Layout plan indicating Greenbelt alongwith area earmarked to be provided. The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.
12.3.10	**Expansion of Residential cum Commercial Project *at* Plot bearing CTS No. 136/1, 137/6, 137/11, 136/12, 136/13, 136/14, 136/16-A, 133/1, 132/1, 128/1 at village Kolshet, Thane, Maharashtra by M/s DarshanSagar Developers** – Environment Clearance reg. (21-53/2016-IA-III; IA/MH/MIS/60499/2016) M/s Darshan Sagar Developers has proposed for expansion of residential cum Commercial Project *at* Plot bearing CTS No. 136/1, 137/6, 137/11, 136/12, 136/13, 136/14, 136/16-A, 133/1, 132/1, 128/1 at village Kolshet, Thane, Maharashtra. Total plot area is 22339.24 m^2. Expansion of built up area is from 18958 m^2 to 73803 m^2. PP informed that the part portion of the plot was under ULC reservation (Library and post office) and as per the provisions under ULC any reservation land has to be handed over to the Government free of Cost. Therefore, in the phase they have considered the development under the land area falling in R zone where reservation was not applicable, i.e.; for survey Nos. 136/1, 137/6 and 137/11. Based on this potential of the development was less than 20,000 m^2 and the plan was sanctioned by the TMC vide VP No. SO 5/0051/12 having FSI Area of building 1 & 2 is 13,733.78 m^2 & Total Construction area: 18,958 m^2. Now in the meanwhile ULC Act is abolished and as per the revised decision of the Government that Reserved land can be developed by paying 100% land cost. Therefore, they are now entitled to develop the land under reservation, therefore the total potential is exceeding 20,000 m^2 hence this application is for expansion of the existing project. As per earlier plan building 1 & 2 were almost under the verge of completion, whose construction area is 18,958 m^2. In this expansion there is no change in the configuration of constructed building. The remaining development is on the adjoining plot. Thus out of total construction area of existing and proposed i.e. 73,803.36 m^2. The expansion sought for the area of 54,845.36 m^2. The project comprises of 5 residential buildings, library, welfare centre and post office. Total 561 nos. of flats, Commercial Shopping, Library & Welfare Centre, Post office building shall be developed. Maximum height of the building is 74.25 m Parking facility for 769 Nos. four wheelers and 600 Nos. two wheelers are proposed to be provided against the requirement of 726 Nos. four wheelers and 36 Nos. two wheelers respectively (as per local norms). It is reported that Sanjay Gandhi National Park is located at a distance of 1.5 km. Water bodies namely Thane creek, Upavan Lake and Kolset lake are located within 10 km distance. During operational phase, total water demand of the project is expected to be 337 KLD and

same will be met by fresh water from TMC (Thane Municipal corporation) and recycled water. Wastewater generated (288 KLD) uses will be treated in STP of 360 KLD capacity. 83 KLD of treated water will be recycled for flushing and about 24 KLD for gardening. About 178 KLD will be discharged in Municipal sewer line.

About 1819 kg/d solid waste will be generated in the project. The biodegradable waste (1091 kg/d) will be processed in mechanical composting (Eco-biocompack) and the non-biodegradable waste 727 kg/d will be handed over to recyclers

The total power requirement during construction phase is 500 kVA and will be met from MSEDCL and Total power requirement during operation phase is 3.1 MW (Demand Load) and will be met from MSEDCL. DG set (1x 500 KVA + 1 x 300 KVA) will be installed.

Rooftop rainwater of building will be collected in three RWH tanks of total **150 m^3** capacities for harvesting after filtration.

After detailed deliberation, the Committee sought following additional information:

(i) Give details of the past history of the project related to submission of application at the SEIAA Maharashtra.
(ii) Respond to the comments made by the SEAC/SEIAA during the presentations at Maharashtra, based on minutes of SEAC/SEIAA meetings.
(iii) Copy of approved sanction plan issued by the ULB for both the plots to be submitted.
(iv) Status of construction.
(v) Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016.
(vi) Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.
(vii) Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.
(viii) Details of source of water supply alongwith permission to be submitted.
(ix) Excess treated sewage disposal plan/scheme to be submitted.
(x) Prediction of ground level concentration of emissions from stack due to DG set (1x 500 KVA + 1 x 300 KVA).
(xi) Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy.
(xii) Calculation on sizing of solar water heating systems to be furnished.
(xiii) At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid.
(xiv) Solid waste management plan alongwith area earmarked for solid waste management scheme.
(xv) Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting.
(xvi) Give detailed plans for disposal of water generated through excavation and dewatering so as to conform to CGWA stipulations. Ensure that this water is in no circumstances drained out but is suitably harvested. Seek permission of CGWA in this regards.
(xvii) Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and

details in the proposal

(xviii) Layout plan indicating Greenbelt alongwith area earmarked to be provided.

The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.

12.3.11 'Runwal Eden' Redevelopment project at Malabar-Cumballa Hill division known as 91 Neapean sea road, Mumbai by M/S Runwal Township Pvt Ltd – Environment Clearance reg (**21-54/2016-IA-III;** IA/MH/MIS/60515/2016)

The project proponent did not attend the meeting.

12.3.12 **Expansion of Building project (from 42628.53 m^2 to 49286.35 m2 at Bhakti Park , Village Anik, Wadala, Mumbai, Maharashtra By M/s Anik Development Corporation – Environment Clearance reg**. (**21-55/2016-IA-III;** IA/MH/MIS/60583/2016)

M/s Anik Development Corporation has proposed for expansion of building project (from 42628.53 m^2 to 49286.35 m2 at Bhakti Park , Village Anik, Wadala, Mumbai, Maharashtra. Environmental clearance was obtained from SEIAA, Maharashtra vide letter no SEAC-2211/CR-97/TC-2 dated 28th April, 2014. MCZMA vide letter no CRZ 2012/CR18/TC-2 dated 26.12.2012 has issued NOC. PP informed that no SCZMA recommendation is required for the proposed project. It was noted that the plot is partly affected by 50 m and 25 m CRZ II belt. The Committee was of the view that SCZMA recommendation is required for the proposed expansion. Further, it was decided to refer the matter to CRZ Division for their comments.

12.3.13 **Expansion of Commercial Development on CTS No.S 230A/1A, 230A/1B, 230A/1C, 238B, 243/A, 243A/1 Of Village Kondivita and CTS No. 179A/1,179A/2,179B, 179C, 179E, 179G & 179F of village Mulgaon of M.V. Road, Andheri (E), Mumbai by M/s Tulsiani Sumer Associates – Environment Clearance reg**. (21-56/2016-IA-III; A/MH/MIS/60585/2016)

M/s Tulsiani Sumer Associates has proposed for expansion of Commercial Development on CTS No.S 230A/1A, 230A/1B, 230A/1C, 238B, 243/A, 243A/1 of Village Kondivita and CTS No. 179A/1,179A/2,179B, 179C, 179E, 179G & 179F of village Mulgaon of M.V. Road, Andheri (E), Mumbai. SEIAA, Maharashtra vide letter no. SEAC – 2013/CR-185/TC-1 dated 10th December, 2014 has granted EC to M/s Tulsiani Sumer Associates for construct of building having built up area 1,20,580.82 m^2.

Total plot are is 49464 m^2. Expansion of built up area from 120580.82 m^2 to 127699 m^3. Cost of project is Rs. 403 Crore. Status of existing building and proposed building is as given below:

1.MidasB+G+7 2.Bonanza :G+7	Did not require EC
3.Meadows:2B+G+10 Windfall :2B+G+12	Completed after obtaining EC and CTE

4.Club house:B+G+1	In progress
5.Mint :2B +G+1st to 9+10th (pt.)	Obtained EC upto 8TH floor + 9TH Pt. floor and for 2 floors applied for EC
6.Proposed Building: B+S+1st to 4th Floor +5th (pt)	Applied for EC

It is reported that Sanjay Gandhi National Park is located at distance of 15 Km.

Total water requirement will be increased from 420 m3/day to 452 m3/day after expansion. Out which fresh water requirement from MCGM supply will be 160 m3/day and remaining water requirement (285 m3/day) will be met from treated sewage and water requirement 7 m3/day will be met from tanker supply. Sewage generation will be increased from 295 m3/day to 335 m3/day after expansion. Sewage will be treated in the STP. Solid waste generation will be increased from 1.54 TPD to 2.69 TPD after expansion. 22nos. Rain water harvesting chambers each of 25.92 cum/day are constructed on site. Total capacity 570 cum/day for percolation. No additional chambers or trenches are proposed. It is proposed to have rain water collection tanks of 230cum capacity (total). For Bldg no.4 it is proposed to have rain water collection tanks of 10cum capacity and harvested water is used is equal to 2 days terrace rainfall. For Proposed building parking will be provided 53nos. DG set (1x 380 KVA+ 1 x 200 KVA + 1 x 125 KVA + 50 KVA + 1x 500 KVA) are installed in the existing buildings. DG set (1x 140 KVA) is proposed for standby power backup.

After detailed deliberation, the Committee sought following additional information:

(i) Copy of certified compliance report issued by the Regional Office, Nagpur for the environmental condition stipulated in the existing EC.

(ii) Give details of the past history of the project related to submission of application at the SEIAA Maharashtra.

(iii) Respond to the comments made by the SEAC/SEIAA during the presentations at Maharashtra, based on minutes of SEAC/SEIAA meetings.

(iv) Give a justification as to how does the project conform to the ESZ notification for Sanjay Gandhi National Park, Borivili.

(v) Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016.

(vi) Copy of approved Sanction plan.

(vii) Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.

(viii) Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.

(ix) Details of source of water supply alongwith permission to be submitted.

(x) Excess treated sewage disposal plan/scheme to be submitted.

(xi) Prediction of ground level concentration of emissions from stack due to DG set (1x 380 KVA+ 1 x 200 KVA + 1 x 125 KVA + 50 KVA + 1x 500 KVA + 1x 140 KVA).

(xii) Efforts shall be made to reduce capacity of DG set and remaining standby power

shall be met from solar energy.

(xiii) Calculation on sizing of solar water heating systems to be furnished.

(xiv) At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid.

(xv) Solid waste management plan alongwith area earmarked for solid waste management scheme.

(xvi) Recheck and increase the size rain water collection pit.

(xvii) Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting.

(xviii) Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal

(xix) Layout plan indicating Greenbelt alongwith area earmarked to be provided.

The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.

12.3.14 **Residential development with shops at Village Varose, Tal. Khalapur, District Raigad, Maharashtra by M/s. C. Bhansali Developers Pvt. Ltd. – Environment Clearance** reg (**21-57/2016-IA-III;** IA/MH/MIS/60593/2016)

M/s. C. Bhansali Developers Pvt. Ltd. has proposed for residential development with shops at CTS 2480(p), Village Varose, Tal. Khalapur, District Raigad, Maharashtra. Total plot area is 62,350.00 Sq.mt and built up area is 54,252.51Sq.mt. building configuration is as given below:

11 Buildings, 1 Club House and 1 Municipal Office		
Configuration:		**Details**
Building 1	Ground/Stilt + 8 Upper floors	Flats: 64 nos. Shops: 14 nos.
Building 2	Stilt + 8 Upper floors	Flats: 64 nos.
Building 3	**Wing A:** Ground/Stilt + 8Upper floors	Flats: 96 nos. Shops: 14 nos.
	Wing B: Ground/Stilt + 8Upper floors	
Building 4	Ground/Stilt + 8 Upper floors	Flats: 64 nos. Shops: 6 nos.
Building 5	Stilt + 8Upper floors	Flats: 64 nos.
Building 6	Stilt + 8Upper floors	Flats: 64 nos.
Building 7	Stilt + 8Upper floors	Flats: 64 nos.
Building 8	Stilt + 8Upper floors	Flats: 64 nos.
Building 9	Stilt + 8Upper floors	Flats: 64 nos.
Building 10	Stilt + 8Upper floors	Flats: 64 nos.
Building 11	**Wing A:** Stilt + 8 Upper floors	Flats: 176 nos.
	Wing B: Stilt + 8 Upper floors	
	Wing C: Stilt + 8 Upper floors	
	Wing D: Stilt + 8	

	Upper floors	
Club House	Ground +1Upper floor	--
Municipal Office	Stilt + 5Upper floors	--

It is reported that Few villages of Khalapur and Karjat Taluka coming under Eco Sensitive Areas (ESA) of Western Ghat* are located within 15 km distance. Waterbodies namely Shirota Lake, Valvan Dam, Tungarli Lake, Valvan Village Pond, Khandala Lake Patalganga River etc are located within 10 km distance.

Total water requirement will be 391 m3/day. Out of which fresh water requirement from KMC supply will be 391 m3/day and remaining water requirement (203 m3/day) will be met from treated sewage. 1 m3/day will be sourced from tanker supply for swimming pool. Sewage generation will be 516 m3/day and treated in the STP. Biodegredbale waste generation will be 1346 kg/day and treated in OMC. Non biodegradable waste generation will be 614 kg/day and segregated. DG set (2x 320 KVA + 1 x 625 KVA) will be installed.

After detailed deliberation, the Committee sought following additional information:

(i) Pl. confirm whether project falls under villages/taluka restricted under Eco Sensitive Areas (ESA) of Western Ghat.

(ii) Give details of the past history of the project related to submission of application at the SEIAA Maharashtra.

(iii) Respond to the comments made by the SEAC/SEIAA during the presentations at Maharashtra, based on minutes of SEAC/SEIAA meetings.

(iv) Copy of approved Sanction plan.

(v) Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016.

(vi) Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.

(vii) Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.

(viii) Details of source of water supply alongwith permission to be submitted.

(ix) Excess treated sewage disposal plan/scheme to be submitted.

(x) Prediction of ground level concentration of emissions from stack due to DG set (2x 320 KVA + 1 x 625 KVA).

(xi) Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy.

(xii) Calculation on sizing of solar water heating systems to be furnished.

(xiii) At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid.

(xiv) Solid waste management plan alongwith area earmarked for solid waste management scheme.

(xv) Recheck and increase the size rain water collection pit.

(xvi) Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting.

(xvii) Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and

	details in the proposal **(xviii)** Layout plan indicating Greenbelt alongwith area earmarked to be provided. The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.
12.3.15	**Environmental Clearance for proposed Residential Building on Plot Bearing C.T.S No. 284 Of Village Bhandup, Mumbai, Maharashtra by M/s Marathon Reality Pvt. Ltd. – Environment Clearance reg.** (**21-58/2016-IA-III;** IA/MH/MIS/60650/2016) M/s Marathon Rreality Pvt. Ltd. has proposed for construction of Residential Building on Plot Bearing C.T.S No. 284 Of Village Bhandup, Mumbai, Maharashtra. Total plot area is 6197.2 m^2. Built up area is 34198.62 m^2. cost of the project is Rs. 60.31Crores The proposed project comprises 2no. of buildings. 1no. of PTC building consist of Stilt +1st to 22nd Floors and 1 no. of Sale building consist of 2 Basement + Ground +1st Commercial, 2nd to 5th (Parking Floor) + 6th Podium +7th to 34th Floors. There are total 128 nos. of PTC residential tenements, 216 nos. of Sale residential tenements, 8 nos. of shops, 8 no. of offices. The proposed RG area is 519.93 sq.mt. Total parking provided will be 145 nos. It is reported that no eco-sensitive area is located within 15 km distance. No water bodies are located within 15 kmm distance. The total water requirement during operation phase of the project will be 244 klpd out of which fresh water requirement is 159 klpd and recycled water requirement is 85 klpd. The fresh water supply for domestic purpose will depend on the local municipal supplies i.e. Municipal Corporation of Greater Mumbai water supply whereas treated water from sewage treatment plant will be used for flushing and gardening purpose. The arrangement of rainwater harvesting system will be provided which will reduce the demand of fresh water requirement. The total wastewater generated from the project is estimated 192 klpd. The waste generated will be treated in sewage treatment plant based on FMBR Technology. 1 STP of capacity 78 kld for PTC building and 1 STP of capacity136 kld for Sale will be provided. The treated water from sewage treatment plant will be reclaimed and used for flushing and gardening purpose that will result in minimum consumption of fresh water. The balance water will be discharge to municipal drain. The power requirement during operation period will be about 1826 KW for connected load and 1644 KW for maximum demand load. The power supply will be from MSEDCL. There will be also provision for DG set in case of emergency. Total 2 no. of DG sets (1 x 250KVA and 1 x 500 KVA) will provided. The total solid waste generated during operation phase will be 920 kg/day. The biodegradable waste will be 536 kg/day whereas non biodegradable waste will be 384 kg/day. The biodegradable waste will be composted whereas other will be given to authorized agencies. After detailed deliberation, the Committee sought following additional information: **(i)** Give details of the past history of the project related to submission of application at

	the SEIAA Maharashtra. **(ii)** Respond to the comments made by the SEAC/SEIAA during the presentations at Maharashtra, based on minutes of SEAC/SEIAA meetings. **(iii)** Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016. **(iv)** Copy of approved Sanction plan. **(v)** Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished. **(vi)** Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway. **(vii)** Details of source of water supply alongwith permission to be submitted. **(viii)** Excess treated sewage disposal plan/scheme to be submitted. **(ix)** Prediction of ground level concentration of emissions from stack due to DG set (1 x 250KVA and 1 x 500 KVA). **(x)** Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy. **(xi)** Calculation on sizing of solar water heating systems to be furnished. **(xii)** At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid. **(xiii)** Solid waste management plan alongwith area earmarked for solid waste management scheme. **(xiv)** Recheck and increase the size rain water collection pit. **(xv)** Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting. **(xvi)** Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal **(xvii)** Layout plan indicating Greenbelt alongwith area earmarked to be provided. The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.
12.3.16	**Environmental Clearance for proposed residential building on Plot Bearing C.T.S No. 284 of Village Bhandup, Mumbai, Maharashtra by M/s Marathon Realty – Environment Clearance reg.** (**21-59/2016-IA-III)** Same project at 12.3.15 and 12.3.16. **(Duplicate Entry)**

12.3.17 **Expansion of new integrated terminal building and apron within the existing Trichy airport, Tamil Nadu by Airports Authority of India, Trichy – Amendment in TOR reg.** (10-3/2007-IA-III; IA/TN/MIS/29464/2015)

MoEF&CC vide letter no 10-3/2007 IA III dated 14th September, 2015 has issued TOR to Airport Authority of India, Trichy for Expansion of new integrated terminal building and apron within the existing Trichy airport. Now, PP has requested for following amendment in the TOR letter :

S.N.	Particulars	Existing	As per TOR issued	Amendment in TOR
1	Passanger Terminal Building	11777 m^2	17760	60723 (new Integrated Terminal Buildings)
2	Peak Hour Capacity	470 PAX	470 to 1070 PAX	470 to 3370 PAX
3	Annual handling capacity	0.49 MPPA	0.49 MPPA to 1.22 MPPA	0.49 MPPA to 3.52 MPPA
4	Car Parking	120 Cars	135 Cars	750 Cars (Multi level Car parking)
5	Power Requirement	1 MW	1.2 MW	6 MW

The proposed airport expansion also includes :

New ATC Tower cum Technical block; Airside development –Apron for 10 nos.; Expansion of cago terminal; airport system; city side development; Rehabilitation of AAI residential colony and CISF accommodation.

After detailed deliberation, the Committee recommended the proposal for amendment in the TOR with following additional TOR:

i. A separate chapter on status of compliance of Environmental Conditions granted by State/Centre to be provided. As per circular dated 30th May, 2012 issued by MoEF, a certified report by Regional Office, MoEF&CC on status of compliance of conditions on existing unit to be provided in EIA-EMP report.
ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
iii. Layout maps of proposed project indicating runway, ATC Tower, airport building, parking, greenbelt area, utilities, associated building etc.
iv. Cost of project and time of completion.
v. A note on appropriate process and materials to be used to encourage reduction in carbon foot print. Optimize use of energy systems in buildings that should maintain a specified indoor environment conducive to the functional requirements of the building by following mandatory compliance measures (for all applicable buildings) as

recommended in the Energy conservation building code (ECBC) 2007 of the Bureau of Energy Efficiency, Government of India. The energy system include air conditioning systems, indoor lighting systems, water heaters, air heaters and air circulation devices. Use

vi. Details of air emission, effluents, solid waste and hazardous waste generation from the existing airport and their management.

vii. Noise monitoring shall be carried out in the funnel area of flight path.

viii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).

ix. The E.I.A. should specifically address to vehicular traffic management as well as estimation of vehicular parking area.

x. Action plan to manage construction and demolition waste generated from the project site.

12.3.18 **Development of LNG Facility at Kakinada Deep Water Port (KDWP) Berth 7 located adjacent to Survey no. 317/318, GMR barge mounted power plant located at Survey no. 411,413, Tehsil Kakinada, District East Godavari, Andhra Pradesh by M/s GMR Holding Pvt Ltd- Terms of Reference (ToR)- Change of name from GMR Holdings Pvt. Ltd. to GMR Enterprises Pvt. Ltd. reg.** (10-30/2016-IA.III; IA/AP/MIS/52545/2016)

MoEF&CC vide letter no F. No. 10-30/2016 IA II vide letter dated 20.05.2016 has granted TOR to M/s GMR Holding Pvt Ltd for the above mention project.

Now, GMR Enterprises Pvt. Ltd has requested for change in name from from GMR Holdings Pvt. Ltd. to GMR Enterprises Pvt. Ltd. in the TOR letter. PP has submitted the all requisite documents except copy of Affidavit from the new Company to comply with the conditions stipulated in the letter issued by the ministry.

In view of the above, the Committee suggested them to submit a copy of affidavit and refered the matter to the MoEF&CC for further necessary action.

28th December, 2016

12.4.1. **Construction of Housing project at Mouza Chinchbhuvan, Tehsil Nagpur(Urban), District- Nagpur, Maharashtra by M/s. Rachana Constructions Proposed Housing & Commercial Scheme - TOR regarding** (IA/MH/NCP/60597/2016; F. No. 21-60/2016-IA-III)

M/s. Rachana Constructions Proposed Housing & Commercial Scheme has proposed for Construction of Housing project at Survey No 144/2/2, 145/1, 145/2, 145/6, 145/7, 178/1 ,178/2, 178/3/2, 177/1,177/2, 181/1/2,181/2/1, 181/5, 181/2/2, Chinchabhavan, Wardha Road, Nagpur. Mouza: Chinchabhavan, Tehsil: Nagpur(Urban) Wardha Road, Nagpur, Maharashtra. Total plot area is 111597.62 Sq. m. Total built up area is 485962.23 Sq. m. Cost of project is Rs.1100 Crores. Building configuration is as given below:

S.N.	Building type	Nos. of building	Nos. of tenements	Height (Mt)	No. of Floors	No. of users

RESIDENTIAL UNITS						
1	Building No 1	1	188	36.44 M.	B+G+13 FL	940
2	Building No 2	1	209	37.55 M.	B+G+13 FL	1045
3	Building No 3	1	416	29.52M.	B+G+11 FL	2079
4	Building No 4	1	255	23.38 M.	B+G+9 FL	1273
5	Building No 5	1	718	16.20 M.	G+6 FL	3591
6	Building No 6	1	60	21.61 M.	G+8 FL	301
7	Building No 7	1	103	18.58 M.	G+7 FL	514
	Total	7	1949			9743
COMMERCIAL UNITS						
1	Building No 1 COMMERCIAL	1	---	57.71 M.	B1 +B2 +G+19	6343
2	Building No 2 COMMERCIAL	1		50.08 M.	B1 +B2 +G+17	6277
3	Building No 3 COMMERCIAL	1		36.71 M.	B1 +B2 +G+13	10780
	Total	3				23400
	Grand Total	**10**		**---**	**---**	**33143**

Maximum height of building: 57.71 m

It is reported that no eco sensitive area is located within 10 km distance. Water bodies namely Ambajhari Lake (8 Km), Telhara Lake (4 Km) and Pora River (1.0 Km) are located within 10 km distance.

Total water requirement will 2116 m3/day (fresh water + flushing water + gardening). Fresh water (1242 m3/day) requirement will be met from ground water source. Total sewage generation will be 1758 m3/day and treated in the STP. During operation phase, solid waste generation will be 8547 kg/day**.** DG sets (3 x 630 kVA) for commercial; 3 no. D.G set of capacity 125 kVA & 1 DG Set of capacity 250 KVA for Residential will be installed.

After detailed deliberations on the proposal, the Committee *recommended for grant of Terms of Reference as specified by the Ministry as Standard ToR in April, 2015 for the said project/activity* and the following TOR in addition to *Standard ToR* for preparation of EIA-EMP report:

i. Importance and benefits of the project.

ii. Present landuse of the proposed project site.

iii. Copy of approved building sanction plan.

iv. Status land acquisition.
v. Details of no. of floor alongwith builtup area to be constructed in each block to be furnished.
vi. Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.
vii. Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.
viii. Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal.
ix. Thick greenbelt should be provided towards railway line.
x. Details of source of water supply alongwith permission to be submitted.
xi. Excess treated sewage disposal plan/scheme to be submitted.
xii. Prediction of ground level concentration from the stack of DG set (3 x 630 KVA +3x 125 kVA + 250 KVA).
xiii. Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy.
xiv. Treatment scheme for sewage and its recycling mode.
xv. Details of rain water harvesting system to be furnished. Clarity on recharge pits, storage systems for rain water and use of appropriate filtration system for collected rain water to be detailed.
xvi. Calculation on sizing of solar water heating systems to be furnished.
xvii. A backup arrangement of at least 50% solar powered systems connected to the grid and at least two solar powered lights and one solar powered fan in each flat
xviii. A management plan for excavation and dewatering to ensure compliance to the CGWA guidelines and regulation.
xix. Solid waste management plan alongwith area earmarked for solid waste management scheme.
xx. Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting.
xxi. Layout plan indicating Greenbelt alongwith area earmarked to be provided.

It was recommended that 'TORs' prescribed by the Expert Appraisal Committee (Infrastrucure-2) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006.

12.4.2. **"Shiv- Kailasha" Proposed group Housing Scheme at Village : Sondapar Tehsil : Hingna District: Nagpur State: Maharashtra by M/s. Om Shivam Buildcon Pvt. Ltd. - TOR regarding** (IA/MH/NCP/60601/2016; F. No. 21-61/2016-IA-III)

M/s. Om Shivam BuildconPvt. Ltd. has propose for group Housing Scheme at Plot No. 242, 241, 238/2, 239, 237/1, 238/1, 247/1, Village Sondapar, Tehsil Hingna, District Nagpur, Maharashtra. Total Plot area is 1,21,680 m^2 and proposed built up area is 3,68,970.08 m^2. Cost of project is Rs.745 Crore. Project configuration is as given below:

Residential units

S.N.	Building type	No of buildin	No of tenement	Height (Mt)	No. of Floors	No. of users

		g				
RESIDENTIAL UNITS						
1	Building No 1 (1RK) EWS	1	348	47.35 M.	B+S+15 FL	1740
2	Building No 2 (1RK) EWS	1	348	47.35 M.	B+S+15 FL	1740
3	Building No 3 (1RK) EWS	1	232	47.35 M.	B+S+15 FL	1160
4	Building No 4 (3BHK)	1	120	47.35 M.	B+S+15 FL	600
5	Building No 5 (1RK) EWS	1	232	47.35 M.	B+S+15 FL	1160
6	Building No 6 (2BHK)	1	116	47.35 M.	B+S+15 FL	580
7	Building No 7 (1RK) EWS	1	348	47.35 M.	B+S+15 FL	1740
8	Building No 8 (3BHK)	1	120	47.35 M.	B+S+15 FL	600
9	Building No 9 (3BHK)	1	240	47.35 M.	B+S+15 FL	1200
10	Building No 10 (2BHK)	1	300	47.35 M.	B+S+15 FL	1500
11	Building No 11 (2BHK)	1	300	47.35 M.	B+S+15 FL	1500
12	Building No 12 (2BHK)	1	360	47.35 M.	B+S+15 FL	1800
13	Building No 13 (3BHK)	1	180	47.35 M.	B+S+15 FL	900
14	Building No 14 (3BHK)	1	120	47.35 M.	B+S+15 FL	600
15	Building No 17 BUNGLOW	1	1	17.40 M.	S+4 FL	15
16	**Total**	**15**	**3365**		**-**	**16835**

COMMERCIAL UNITS						
17	Building No 16 COMMERCIAL	1	---	32.40 M.	B+S+7 FL	2000
18	Building No 15 CLUB HOUSE	1	---	10.05 M.	G+2 FL	165
19	**Total**	**2**				**2165**
20	**Visitor (10%)**	**-**	**-**	**---**	**---**	**1900**
	Grand Total (16+19+20)	**17**	**3365**	**---**	**---**	**20900**

It is reported that no eco-sensitive area is located within 10 km distance. Waterbodies namely Vena River, 2.5 km (W); Wakeshwar Lake, 6.0 Km (SE), Pora River, 7.0Km (NE); Dahegaon Lake 2.5Km (North); Dhora River, 8.5Km(ENE); Sonegaon Lake, 9 km (N); Nanda Nadi,3.0Km (W); Khairi Nala, 4.0Km(W), Jhilpi Nadi 9.0(NW) are located within 10 km distance. Patches of open mixed Jungle 6.0 Km(SSE) is located.

Total Water Requirement will be 1746 KLD out of which fresh water requirement from ground water will be 1174 m3/day. Wastewater Generation will be 1379 KLD and treated in the STP. Treated sewage water will be recycled for gardening, car washing, floor washing and flushing purposes. Solid waste generation will be 8837 kg/day**.** DG set (1x 150 KVA; 8x125 KVA; 1 x 250 KVA and 1 x 320 KVA) will be installed.

After detailed deliberations on the proposal, the Committee *recommended for grant of Terms of Reference as specified by the Ministry as Standard ToR in April, 2015 for the said project/activity* and the following TOR in addition to *Standard ToR* for preparation of EIA-EMP report:

i. Importance and benefits of the project.
ii. Present landuse of the proposed project site.
iii. Copy of approved building sanction plan.
iv. Status land acquisition.
v. Details of no. of floor alongwith builtup area to be constructed in each block to be furnished.
vi. Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.
vii. Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.
viii. Thick greenbelt should be provided towards railway line.
ix. Details of source of water supply alongwith permission to be submitted.
x. Excess treated sewage disposal plan/scheme to be submitted.
xi. Assessment of ground level concentration of pollutants due to 1x 150 KVA; 8x125 KVA; 1 x 250 KVA and 1 x 320 KVA.
xii. Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy.

	xiii. Treatment scheme for sewage and its recycling mode. xiv. Details of rain water harvesting system to be furnished. Clarity on recharge pits, storage systems for rain water and use of appropriate filtration system for collected rain water to be detailed. xv. Calculation on sizing of solar water heating systems to be furnished. xvi. A backup arrangement of at least 50% solar powered systems connected to the grid and at least two solar powered lights and one solar powered fan in each flat xvii. A management plan for excavation and dewatering to ensure compliance to the CGWA guidelines and regulation. xviii. Solid waste management plan alongwith area earmarked for solid waste management scheme. xix. Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting. xx. Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal. xxi. Layout plan indicating Greenbelt alongwith area earmarked to be provided. It was recommended that 'TORs' prescribed by the Expert Appraisal Committee (Infrastrucure-2) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006.
12.4.3.	**SRA redevelopment project located on plot bearing Proposed Amalgamation S.R. Scheme Scheme - I on plot bearing 325, 326, 327(pt) & 327/1 to 4, 328, 328/1 to 4 at BMC Plot, Congress Office, Koliwada Plot, Garib Nawaz Maidan, Mogra Village, Jogeshwari (E), Mumbai – 400 060 by Omkar Ventures Pvt. Ltd. - TOR regarding** (IA/MH/NCP/60604/2016; F. No. 21-62/2016-IA-III) Omkar Ventures Pvt. Ltd. has proposed for slum rehabilitation (SRA) development project located on plot bearing proposed amalgamation : **S.R. Scheme - I**: a. Maharashtra Ekta C.H.S. (proposed) on land bearing C.T.S. No. 324 of Village Mogra b. Bismillah C.H.S. (proposed) on land bearing C.T.S. Nos. 325, 326 & 327(pt), 327/1 to 4 & 328/1 to 4 of Village Mogra. c. Sahara Sangam 1-B C.H.S. (proposed) on land bearing C.T.S. Nos. 144(pt), 144/ 31 & 32, 145(pt), 145/192 to 203, 145/226 to 237, 145/238 to 241, 145/251 to 333, 145/338 & 339 of Village Majas. d. Unity SRA CHS. (Proposed) on land bearing C.T.S. Nos.146 (pt), 146/25 to 33, 146/35 to 41, 146/58 to 68, 146/70 & 71, 146/73 to 75, 146/82, 146/84, 146/86 to 284 of village Majas e. Dream homes C.H.S. (proposed) on land bearing C.T.S. Nos. 141(Pt), 141/148, 141/223(pt), 141/225(pt), 141/227(pt), 141/231(pt), 141/235(pt), 141/245(pt), 141/247 to 331, 141/378 of Village Majas. with **Scheme - II:** a. Shri Sai Ashirwad C.H.S. (proposed) on land bearing C.T.S. Nos. 142(pt), 142/1 to 8, 142/77 to 91,142/140 of Village Majas. b. Welcome C.H.S. (proposed) on land bearing C.T.S. Nos. 142(pt), 142/9 to 12, 142/21 to

65, 144(pt), 144/1 to 8, 144/10, 144/12, 145(pt), 145/8 & 9, 145/21 to 28, 145/41 to 51, 145/65 to 75, 145/78, 145/84, 145/85 & 145/87 of Village Majas.

c. Sahara Sangam 1-A C.H.S. (proposed) on land bearing C.T.S. No. 145(pt), 145/1 to 20, 145/30 to 40, 145/52 to 60, 145/80 to 83 of Village Majas.

d. Nehru Nagar SRA CHS. (proposed) on land bearing C.T.S. No.141(pt), 141/1, 141/3, 141/5 to 14, 141/51, 141/52, 141/60 to 85, 141/93 & 141/94 of village Majas.

with

Scheme – III:

a. **Ashiyana Sector I C.H.S. (proposed**) on land bearing C.T.S. No. 135(pt), 135/1 to 15, 135/ 58 to 77, 135/99 to 102, 135/147 to 151, 135/154 of village Majas.

b. **Ashiyana Sector II C.H.S. (proposed)** on land bearing C.T.S. No. 135(pt), 135/152, 135/153, 135/155 to 189, 136(pt), 136/3 to 19 of village Majas.

c. **Prem Nagar SRA C.H.S. (proposed**) on land bearing C.T.S. No. 135 (pt), 135/14 & 15, 135/16,135/17 to 25, 135/27 to 29, 135/31 to 34, 135/74(pt), 135/76(pt), 135/77(pt), 135/78 to 93, 135/103 to 141, 135/143 to 146, 135/147(pt), 135/149 to 151(pt) of Village Majas.

d. **Ashiyana Sector III C.H.S. (proposed)** on land bearing C.T.S. No. 135(Pt), 135/35 to 57, 135/190 to 212, 135/220 and 135/221 of Village Majas, at SC/JPM Road, Jogeshwari (East).

e. **Basera C.H.S. (proposed)** on land bearing C.T.S. No. 138(pt.), 138/1 to 118, 138/120 to 139, 138/159, 138/240 to 248, 138/249 to 253, 136(pt.), 136/1 to 2 of Village Majas, Jogeshwari (East).

f. **Prem Nagar Ekta C.H.S. (proposed)** on land bearing C.T.S. No. 139(pt), 139/36 to 139/38, 139/103,139/222(pt),139/239(pt), 139/240, 139/241, 139/252, 139/301, 139/304(pt), 139/305(pt), 139/306(pt), 139/307,139/308(pt),139/309 to 318, 139/320 to 325, 139/326(pt), 139/327 to 360, 139/361(pt), 139/362 to 373, 139/374(pt), 139/381 to 385, 139/394(pt), 139/395(pt), 140(pt), 140/98(pt), 140/99(pt) of Village Majas, Jogeshwari (East).

g. **Prem Nagar Rahiwasi Sangh C.H.S. (proposed)** on land bearing C.T.S. Nos. 139(pt), 139/210(pt), 139/212(pt), 139/213(pt), 139/326(pt), 139/327(pt), 140(pt), 140/10(pt), 140/35, 140/36(pt), 140/37 to 140/42, 140/51(pt), 140/53, 140/54(pt), 140/55, 140/56, 140/61 (pt), 140/62, 140/64(pt), 140/65(pt), 140/66, 140/67(pt), 140/68(pt), 140/69 to 140/87, 140/91, 140/93 to 140/97, 140/98 (pt), 140/99(pt), 140/100, 140/102 to 140/123, 140/124(pt), 140/125 to 140/152, 140/157 to 140/160, 140/161(pt), 140/162 to 140/172, 140/173(pt), 140/179(pt), 140/192(pt), 140/196(pt), 140/408, 140/409 situated of Majas Village Jogeshwari (East).

h. **Jogeshwari Shivdarshan C.H.S. (proposed)** on land bearing C.T.S. Nos. 140, 140/1 to 551 of Village Majas.

with

Scheme – IV:

a. **Amina Nagar C.H.S. (proposed)** on land bearing C.T.S. No. 154/A(pt) & 155/B of Village Majas on MHADA land

Geographical coordinates of the proposed site is

Scheme Name	**Latitude**	**Longitude**

Scheme-I	19° 7'58.75"N	72°51'26.28"E
Scheme-II	19° 8'3.34"N	72°51'22.42"E
Scheme-III	19° 8'7.31"N	72°51'30.84"E
Scheme-IV	19° 7'55.69"N	72°51'34.49"E

Plot Area including scheme I (20437.32 m^2), scheme II (9,196.83 m^2), scheme III (32,653.55 m^2) and Scheme iv(4925 m^2) is 67,212.70 sq.mt. Cost of project is Rs. 2151.00 Crores.

Project configuration is as given below:

Scheme I: 7 Bldgs.
Sale Bldg. 1to 6th : B+G+30 upper Floor
Rehab Bldg. 7: St. + 28th upper Floor

Scheme II: 2 Bldgs.
Sale Bldg. 1 and 2: B+G+30 upper Floor

Scheme III: 12 Bldgs.
Rehab building 1 to 5 Upper Gr. + Lower Gr. + 1st to 17th Floor
Rehab building 6 to 12: stilt + 28th upper floor
Scheme IV:
Wing A, B, C, D & E: Upper Gr. + Lower Gr. + 1st to 17th Floor

Scheme V: 2 Wings
Rehab Bldg. 1 & 2: stilt + 28th upper floor

It is reported that Sanjay Gandhi National Park is located at a distance 2.02 km. Water bodies namely Malad Creek (5 Km); Powai lake (4 Km); Tulsi Lake (5.1 km) and Vihar lake (5.2 Km) are located within 10 km distance.

Total water requirement will be Total Water Demand 2509.00 m3/day. Out of which fresh water requirement (1881.00 m3/day) will be met from M.C.G.M/Tanker supply. Wastewater regeneration will be 2120.00 KLD and treated in the STP. Solid waste generation will be 19,831.00 kg/day.

The Committee noted that as on date there is no approval of the said slum rehabilitation project by the concerned Government Department/ Agency. PP informed that they will get approval of concerned Government Department/ Agency very shortly.

After detailed deliberations on the proposal, the Committee *recommended for grant of Terms of Reference as specified by the Ministry as Standard ToR in April, 2015 for the said project/activity* and the following TOR in addition to *Standard ToR* for preparation of EIA-EMP report:

i. Importance and benefits of the project.
ii. Present landuse of the proposed project site.
iii. Copy of approved building sanction plan.
iv. Status land acquisition.
v. Details of no. of floor alongwith builtup area to be constructed in each block to be furnished.
vi. Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.

vii. Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.
viii. Thick greenbelt should be provided towards railway line.
ix. Details of source of water supply alongwith permission to be submitted.
x. Excess treated sewage disposal plan/scheme to be submitted.
xi. Prediction of ground level concentration from stack of DG sets.
xii. Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy.
xiii. Treatment scheme for sewage and its recycling mode.
xiv. Details of rain water harvesting system to be furnished. Clarity on recharge pits, storage systems for rain water and use of appropriate filtration system for collected rain water to be detailed.
xv. Calculation on sizing of solar water heating systems to be furnished.
xvi. A backup arrangement of at least 50% solar powered systems connected to the grid and at least two solar powered lights and one solar powered fan in each flat
xvii. A management plan for excavation and dewatering to ensure compliance to the CGWA guidelines and regulation.
xviii. Solid waste management plan alongwith area earmarked for solid waste management scheme.
xix. Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting.
xx. Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal.
xxi. Layout plan indicating Greenbelt alongwith area earmarked to be provided.

It was recommended that 'TORs' prescribed by the Expert Appraisal Committee (Infrastrucure-2) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006.

It was also recommended that since there are four different plots, TOR letter shall be issued only after getting approval of the project by the concerned Government Authority/Agency.

12.4.4. **Expansion of building construction Project located at kh. No. 155/4 & 156/6, P. H. No. 38, Mouza Pipla, Tah Nagpur(Gramin) & Dist. Nagpur, Maharashtra by M/s Pyramid Ashok Megastructure Pvt. Ltd. – Environmental Clearance regarding** (IA/MH/NCP/60658/2016; F. No. 21-63/2016-IA-III)

M/s Pyramid Ashok Megastructure P vt. Ltd. has proposed for expansion of building construction Project located at kh. No. 155/4 & 156/6, P. H. No. 38, Mouza Pipla, Tah Nagpur(Gramin) & District Nagpur, Maharashtra. Built up area will be enhanced from 19084.58 m^2 to 31657.36 m^2. Cost of project is Rs. 38 crore. Building configuration is as given below:

S.N.	Building Type	No of building	No of Floors	
1	Building 1	1	G+7	
2	Building 2	1	G+7	
3	Building 3	1	G+1	
4	Building 4	1	G+ 1	
5	Building 5	1	G+ 2	
6	Building 6	1	G+11	
	Total	6		

Commercial Units				
7	Amenity Space -1		G + 2	
8	Amenity Space -2		G+ 4	
9	Club House		G + 1	

Total Water Requirement is 133 KLD. Out of which , fresh water requirement from ground water source / gram panchayat is 86 KLD. Total wastewater generation after completion of the project will be 102 KLD and treated in the STP. STP will be based on phytoremediation.
Total quantity of Solid Waste Generation will be 645 Kg/day. Biodegradable Waste generation is 388Kg/day. Non-biodegradable Waste generation is 257 Kg/day. It is proposed to install Organic waste convertor for treatment & disposed of biodegradable waste. Non-biodegradable waste will be disposed through authorized vendor of Nagpur Municipal Corporation(NMC). Parking **will be provided for** 157 Nos. (Cars), 459 Nos. (Scooters) and 459 Nos. (Cycles). At present 30 number of trees are planted, 85 nos. are planted in addition to this 440 number of Shrubs and 400 number of herbs are proposed.

After detailed deliberation, the Committee sought following additional information:

(i) Give details of the past history of the project related to submission of application at the SEIAA Maharashtra.

(ii) Respond to the comments made by the SEAC/SEIAA during the presentations at Maharashtra, based on minutes of SEAC/SEIAA meetings.

(iii) Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016.

(iv) Approved sanction plan.

(v) Energy audit report of the existing building w.r.t. compliance of ECBC norms.

(vi) Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.

(vii) Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.

(viii) Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal

(ix) Details of source of water supply alongwith permission to be submitted.

(x) Excess treated sewage disposal plan/scheme to be submitted.

(xi) Calculation on sizing of solar water heating systems to be furnished.

(xii) At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid.

(xiii) Recheck and increase the size rain water collection pit.

(xiv) Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting.

(xv) Layout plan indicating Greenbelt alongwith area earmarked to be provided.

The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.

12.4.5. **Expansion of Redevelopment of RUSTOMJEE 'SUMMIT' and 'PINNACLE' At Plot Bearing C.T.S No. 88 (pt), Rajendranagar C.H.S, Rajendra Nagar, Dattapada road, Borivali (E), Mumbai, Maharashtra by M/s Keystone Realtors Pvt. Ltd.** – Environment Clearance reg (IA/MH/NCP/60230/2016; F. No. 21-64/2016-IA-III)

M/s Keystone Realtors Pvt. Ltd. has proposed for expansion of redevelopment of Rustomjee 'Summit' and 'Pinnacle' At Plot Bearing C.T.S No. 88 (pt), Rajendranagar C.H.S, Rajendra Nagar, Dattapada road, Borivali (E), Mumbai, Maharashtra. SEIAA, Maharashtra vide letter no SEAC 2011/CR-110/TC-2 dated 9th January, 2015 has granted EC to M/s Revelation Reality Pvt. Ltd. for redevelopment project. PP informed that construction is initiated on the site as per earlier EC granted. The reheb building work is completed upto 5812.46 m2. Sale building is yet not started. The expansion is proposed with increase in construction area from 37056.10 m^2 to 57348.92 m^2. Application for this proposal was also submitted to SEIAA. Building configuration is as given below:

Building	As per EC received dated 9.01.2015	For proposed Amendment /Expansion
Rehab Building	3B + Gr + 1 Podium + 19 Floors	3B + Gr + 1 Podium + 21 Floors
Sale	3B + Gr+ 1 Podium + Stilt + Service Floor + 13 (Pt.) Floors	1 B + Stilt + 36 upper floor

Cost of project is Rs. 180 Crores. Both buildings seem to be constructed on different plots, which are bifurcated by flyover/road. Resident tenements will be increased from 128 to 144 in Rehab building and from 70 to 216 in sale building. 144 nos. of 4 Wheelers parking will be provided in rehab building whereas 312 nos. of 4 Wheelers parking will be provided in sale building. Total water requirement will be increased from 151 m3/day to 263 m3/day. Wastewater generation will be increased from 117 m3/day to 210 m3/day after expansion and treated in the STP. Solid waste generation will be increased from 495 m3/day to 900 m3/day after expansion. DG sets (1x 320 KVA for rehab + 1 x 750 KVA for sale) will be installed.

After detailed deliberation, the Committee sought following additional information:

(i) Certified compliance report issued by the Regional Office, Nagpur on the existing environmental conditions stipulated in environmental clearance.

(ii) Give details of the past history of the project related to submission of application at the SEIAA Maharashtra.

(iii) Respond to the comments made by the SEAC/SEIAA during the presentations at Maharashtra, based on minutes of SEAC/SEIAA meetings.

(iv) Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016.

(v) Since both plots are separated by a road, Pl clarify whether utilities of the both buildings are common or separate. If separate utilities will be provided then give details.

(vi) Copy of approved Sanction plan. Approval of the project from High Rise Building Committee of Maharashtra.

(vii) Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.

(viii) Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.

(ix) Details of source of water supply alongwith permission to be submitted.

(x) Excess treated sewage disposal plan/scheme to be submitted.

(xi) Prediction of ground level concentration of emissions from stack due to DG set (1x 320 KVA for rehab + 1 x 750 KVA for sale).

(xii) Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy.

(xiii) Calculation on sizing of solar water heating systems to be furnished.

(xiv) At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid.

(xv) Solid waste management plan alongwith area earmarked for solid waste management scheme.

(xvi) Recheck and increase the size rain water collection pit.

(xvii) Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting.

(xviii) Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal

(xix) Layout plan indicating Greenbelt alongwith area earmarked to be provided.

The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.

12.4.6. **"Freeway 37" (Residential Project under SRA Scheme) at C.S No. 4(pt), 5(pt), 6(pt) & 7(pt) of village sion, Mumbai by M/s. Easy Home Solutions Pvt. Ltd. – Environment Clearance reg** (IA/MH/NCP/60311/2016; F. No. 21-65/2016-IA-III)

The project proponent did not attend the meeting.

12.4.7. **Redevelopment of Residential Project 'Kalpataru Yashodhan' [formerly Kalpataru Grandeur(Yashodhan)] at FP no. 71, TPS, Andheri No. VI, S.V. Road, Vile Parle (W), Mumbai, Maharashtra by M/s Kalpak Property Ventures LLP – Environment Clearance reg** (IA/MH/NCP/60462/2016; F. No. 21-66/2016-IA-III)

SEIAA, Maharashtra vide letter no SEAC 2013/CR-2 dated 2nd May, 2013 has granted environmental clearance to M/s Kalpak Property Ventures LLP for Residential Project 'Kalpataru Yashodhan' [formerly Kalpataru Grandeur(Yashodhan)] at FP no. 71, TPS, Andheri No. VI, S.V. Road, Vile Parle (W), Mumbai, Maharashtra. Proposed project is a redevelopment of residential project. Plot area is 8110 m^2. Now, Project proponent has modified the building configuration without changing the built up area. Details of modification in the project is as given below:

S.N.	Particulars	As per Existing EC	Proposed changes	Total after modifications
1	Total plot area	8110 m^2		8110 m^2
2	Builtup area	42,433.5 m^2	nil	42,433.5 m^2

3	Maximum ht. of building	41.45 m	nil	41.45 m
4	Number of building blocks/wings	4 (A, B, C & D)	Block D divided in D & E	5 (A, B, C, D & E)
5	Number of Dwelling Units	169	Addition of 26	195
6	Parkings	423 ECs	44 ECs	467 ECs

Fresh water requirement will be increased from 76 m^3/day to 94 m^3/day after modification. Solid waste generation will be increased from 380 kg/day to 514 kg/day after modification.

Total water requirement will be 158 m^3/day. Out of which fresh water requirement from municipal water supply will be 94 m^3/day and remaining water requirement (64 m3/day) will be met from treated sewage. Wastewater generation will be 128 m3/day and treated in the STP. During presentation, PP confirmed that area earmarked for solid waste management will increased from 20.68 m^2 to 63.95 m^2. Biodegradable waste will be treated in OWC. AAQ modelling study for point source emissions from DG set indicates that the maximum incremental GLCs after the proposed project would be 0.221 µg/m3 with respect to NOx. PP informed that DG set requirement will be reduced from 640 KVA to 500 KVA (i.e. 2 x 250 KVA).

After detailed deliberation, the Committee sought following additional information:

- **(i)** Certified compliance report issued by the Regional Office, Nagpur on the existing environmental conditions stipulated in environmental clearance.
- **(ii)** Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016.
- **(iii)** Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.
- **(iv)** Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.
- **(v)** Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal
- **(vi)** Details of source of water supply alongwith permission to be submitted.
- **(vii)** Excess treated sewage disposal plan/scheme to be submitted.
- **(viii)** Calculation on sizing of solar water heating systems to be furnished.
- **(ix)** At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid.
- **(x)** Recheck and increase the size rain water collection pit.
- **(xi)** Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting.
- **(xii)** Layout plan indicating Greenbelt alongwith area earmarked to be provided.

The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.

12.4.8. **Expansion of building construction project at Village Bhayanderpada, Ghodbunder Road, Thane (W), Maharashtra by M/s Puranik Builder Pvt. Ltd. – Environment**

Clearance reg (IA/MH/NCP/60110/2016; F. No. 21-67/2016-IA-III)

M/s Puranik Builder Pvt. Ltd. has proposed for expansion of building construction project at Sy. No. 98 H. No.1, 3(pt), S. No. 100 H. No. 11/1, 11/2, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24 ; S.No.101 H.NO.5, S.No.109/30/3 Village Bhayanderpada, Ghodbunder Road, Thane (W), Maharashtra. PP has obtained environmental clearance from SEIAA, Maharashtra vide letter no SEAC-2014/CR 21/TC-1 dated 11th December, 2014 for plot Rumah Bali admeasuring an area of 10,910 m^2. PP has also obtained environmental clearance from MoEF&CC vide letter no 21-59/2014 IA III dated 18th June, 2015. Now, PP has proposed to amalgamate these two plots. The Committee noted that as per transfer of development rights (TDR) issued as per Notification of Urban Development Department dated 29/01/2016 shall be 83,736.49 m^2 and total built area is 1,78,579.38 m^2. However, form1 submitted to MoEF&CC is for built up area 1,88,516.32 m^2. The Committee suggested them to rectify the form1 accordingly. PP informed that for Rumah Bali project, building A1, A2, B1 are completed & B2, B 3 are under construction as per EC dated 11th December, 2014. No construction has been started for GB1 plot. The Committee suggested that fresh TOR will be issued for preparation of EIA/EMP report. PP can use the collected baseline data after cross check as some discrepancies was observed in the soil data.

After detailed deliberations on the proposal, the Committee *recommended for grant of Terms of Reference as specified by the Ministry as Standard ToR in April, 2015 for the said project/activity* and the following TOR in addition to *Standard ToR* for preparation of EIA-EMP report:

i. Certified compliance report issued by the Regional Office, Nagpur for environmental conditions stipulated in the existing EC.
ii. Importance and benefits of the project.
iii. Pl. clarify, whether project proposal attracts the provisions of CRZ, Notification, 2011.
iv. Present landuse of the proposed project site.
v. Copy of building sanction plan as well as approval of high rise building committee of Maharashtra.
vi. Details of no. of floor alongwith builtup area to be constructed in each block to be furnished.
vii. Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.
viii. Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.
ix. Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal.
x. Details of source of water supply alongwith permission to be submitted.
xi. Excess treated sewage disposal plan/scheme to be submitted.
xii. Prediction of ground level concentration from the stack of DG sets
xiii. Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy.
xiv. Treatment scheme for sewage and its recycling mode.
xv. Details of rain water harvesting system to be furnished. Clarity on recharge pits, storage systems for rain water and use of appropriate filtration system for collected rain water to be detailed.

	xvi. Calculation on sizing of solar water heating systems to be furnished. xvii. A backup arrangement of at least 50% solar powered systems connected to the grid and at least two solar powered lights and one solar powered fan in each flat xviii. A management plan for excavation and dewatering to ensure compliance to the CGWA guidelines and regulation. xix. Solid waste management plan alongwith area earmarked for solid waste management scheme. xx. Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting. xxi. Layout plan indicating Greenbelt alongwith area earmarked to be provided. It was recommended that 'TORs' prescribed by the Expert Appraisal Committee (Infrastrucure-2) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006.
12.4.9.	**"Beverly Hills" "Expansion of Residential & Commercial Development" At Survey No. 34 / 4, at Baner, Pune, Maharashtra by M/s Rachana Sukhwani Associates – Environment Clearance reg** (IA/MH/NCP/60109/2016; F. No. 21-68/2016-IA-III) • M/s Rachana Sukhwani Associates has proposed for expansion of Residential & Commercial Development" At Survey No. 34 / 4, at Baner, Pune, Maharashtra. PP informed that they have sanctioned the first plan on 15.11.2006 for proposed total BUA admeasuring 20891.48 m2 (i.e. FSI - 9223 .23 m2+ Non-FSI - 11668.25 m2) and revised the plan on 29.3.2007 for proposed total BUA admeasuring 40851.22 sq.m. (i.e. FSI - 15698.90 m^2 + Non-FSI - 25152 .32 m^2). Thereafter, amended the plan from time to time . Prior to amendment in plan on 13.5.2015 we have lastly amended the plan on 1.12.2011for proposed total BUA admeasuring 40851.36 sq.m. (i.e. FSI- 15699.04 m^2 + Non-FSI- 25152 .32 m^2). • There is minor change (i.e. diff. of .14 m^2) in plan amended on 29 .3.2007 for proposed total BUA admeasuring 40851.22 sq.m. (i.e. FSI- 15698.90 m^2+ Non FSI - 25152.32 m^2) and plan amended on 1.12.2011for proposed total BUA admeasuring 40851.36 m^2 (i.e. FSI -15699.04 m^2+ Non-FSI- 25152.32 m^2). • They have completed construction of total BUA admeasuring 40851.36 m2 (i.e. FSI- 15699.04 m^2+ Non-FSI - 25 152.32 m^2) of three buildings at site and obtained Occupation Certificates from the PMC from time to time. (i.e. on 28.11.2008 for total BUA- 25937.18 m^2, on 31.3.2010 for total BUA -3833 2.52 m^2, on 12.10.2011 for total BUA- 40758.80 m^2 and on 10.2.2012 for total BUA -4085 1.36 m^2) • As per the prevailing definition of built-up area before the amendment of EIA Notification dated 04.04.2011, our project was not falling under the purview of EIA notification as our built-up was 15699.04 m^2 and not crossing the threshold of 20,000 m^2 .

- Due to availability of TDR, they have now revised the plan for proposed total BUA admeasuring 54945.93 m^2 (i.e. FSI- 21098 .97 m^2 + Non-FSI- 33846.96 m^2).

After detailed delibration, the Committee sought following addl. Information:

i. Built up area of the existing building as on date.
ii. Existing building configuration.
iii. Built up area of the additional proposed building.

12.4.10 "Proposed Residential Housing Project" at Balkum Thane, Maharashtra by M/s Rajlaxmi Developers – Environment Clearance reg (IA/MH/NCP/60623/2016; F. No. 21-69/2016-IA-III)

The project proponent did not attend the meeting.

12.4.11 **Expansion of Residential cum Commercial Project on land bearing S No. / H. No. 110/1 (PT), 224/1A (PT), 224/1B (PT), 26/7(PT), 26/8(PT) Village Ghodbunder, Thane, Maharashtra by M/s JP Infra Mumbai Pvt. Ltd. & SPH Agro Farms & Estates Pvt. Ltd. (joint venture – Environment Clearance reg**. (IA/MH/NCP/60646/2016; F. No. 21-70/2016-IA-III)

M/s JP Infra Mumbai Pvt. Ltd. & SPH Agro Farms & Estates Pvt. Ltd. (joint venture) has proposed for expansion of Residential cum Commercial Project on land bearing S No. / H. No. 110/1 (PT), 224/1A (PT), 224/1B (PT), 26/7(PT), 26/8(PT) Village Ghodbunder, Thane, Maharashtra.

PP has obtained environmental clearance from SEIAA, Maharashtra vide letter no SEAC-2014/CR 183/TC-1 dated 31st March, 2015 for Residential cum Commercial Project on land bearing S No. / H. No. 110/1 (PT), 224/1A (PT), 224/1B (PT), 26/7(PT), 26/8(PT) Village Ghodbunder, Thane, Maharashtra. Comparative Statement for proposed expansion vis-à-vis earlier EC is as given below:

Sr. No.	Description	Details			
		Unit	As per EC Received dated 31/03/2015	After proposed Expansion	Remarks /addition
1	Plot area (as per 7/12)	Sq.m.	12170.00	12985.00	Total plot area increased by 815.00 sqm due to amalgamation with additional 2 plots

2	Plot Area as per Calculation	Sq.m.	11536.45	11591.53	Increased by 55.08 sqm
3	Deductions for DP Road	Sq.m.	2492.77	2499.44	Decreased by 6.67 sqm
4	Balance Plot Area	Sq.m.	9043.68	9092.09	Total construction area increased by 10263.36 sqm
5	FSI area	Sq.m.	13756.50	15,900.88	
6	Non FSI area	Sq.m.	8161.35	16280.24	
7	Total Built up area (Construction area)	Sq.m.	21917.85	32181.21	
8	Ground-coverage Area:	Sq.m.	3006.46	2727.62	Decreased
	% on Net plot	%	36.00	30.00	Decreased
9	Project Cost	Rs.	Rs. 54 Cr.	Rs. 68 Cr.	Increased
10	**Building Configuration**				
	Buildings	Wings			
	Residential Building	A	G/ST + 13	G/ST + 15	increase by 2 floors
		B	G/ST + 13	G/ST + 15	increase by 2 floors
		C	G/ST + 13	G/ST + 15	increase by 2 floors
	Parking Structures (separate from Bldgs)		St + 2 Podium	St + 3 Podium	Additional 1 podium is proposed to accommodate increased parking
	Club House		G +1	G +1	No Change
	Multipurpose Amenity Hall	D	--	G +2	Newly proposed
11	**No. of Tenants and Shops**				
	Residential Tenements	Nos.	279	320	residential tenements increased by 41 units
	Shops		37	37	Will remain same

Sr. No.	Description	Details			
		Unit	As per EC Received dated 31/03/2015	After proposed Expansion	Remarks /addition
12	**No. of Expected Residents/population**				
	Residential	Nos.	1395	1600	No. of residents increased by 205
	Shops		74	74	Remains same
	Multipurpose Amenity Hall		-	188	Addition in total population
	Total		**1469**	1862	**Increased**
13	**Height of the Building**				
	Res. Bldg. Wing A, B, C	m	42.20	48	Height increase by 5.8 m due to addition of floors
	Club House		9.69	9.69	Remains same
	Multipurpose Amenity Hall		--	16.8	Added in the present proposal
14	**Water requirement**				
	Dry Season	KLD	201	242	Increased by 41KLD due to additional population
	Wet Season	KLD	194	233	Increased by 39 KLD due to additional population
15	Wastewater Generation	KLD	175	213	Increased by 38 KLD due to additional population
16	STP Capacity	KLD	200	234	Increased by 34KLD
17	Total Solid Waste	kg/day	727	866	Increased by 138 kg
18	Dry Waste	kg/day	299	366	Increased by 66 Kg
19	Wet Waste	kg/day	428	500	Increased by 72Kg
20	STP Sludge	kg/day	9	11	Increased by 2 Kg

Sr. No.	Description	Unit	As per EC Received dated 31/03/2015	For Proposed Amendment/ Expansion	Remarks
21	No. of Parking				
	4 Wheelers	Nos.	127	250	Increased by 123 no. due to increase in tenement no.
	2 Wheelers	Nos.	91	91	Remains same
22	Green Belt Development				
	Prop. Total R.G.	Sq.m.	1712.23	1820.32	Increased by 108.09 due to addition of plot area
23	**Power Requirement**				
	Connected Load	KW	1405	2239.00	Increased
	Maximum Demand	KW	1044	1075.80	
	D.G. Sets	KVA	1 x 650	1 X 320	**DG set load reduced by 51%.**

The Committee noted that PP has submitted online application for amendment in EC instead of expansion of project. Therefore, it was suggested that PP has to submit revised Form1 and Form1A through online portal of environmental clearance.

After detailed deliberation, the Committee sought following additional information:

(i) Revised form1, IA and sanction plan.
(ii) Certified compliance report issued by the Regional Office, Nagpur on the existing environmental conditions stipulated in environmental clearance.
(iii) Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016.
(iv) Approved sanction plan.
(v) Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.
(vi) Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.
(vii) Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal
(viii) Details of source of water supply alongwith permission to be submitted.
(ix) Excess treated sewage disposal plan/scheme to be submitted.

(x) Calculation on sizing of solar water heating systems to be furnished.
(xi) At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid.
(xii) Recheck and increase the size rain water collection pit.
(xiii) Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting.
(xiv) Layout plan indicating Greenbelt alongwith area earmarked to be provided.

The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.

12.4.12 **Proposed building construction project at Plot bearing S.N. 185, Wakad-Dange Chowk Road, Wakad, Pune, Maharashtra by M/s The Broadway Lavim Developers Private Limited – Environment Clearance reg** (IA/MH/NCP/60691/2016; F. No. 21-71/2016-IA-III)

M/s The Broadway Lavim Developers Private Limited has proposed for building construction project at Plot bearing S.N. 185, Wakad-Dange Chowk Road, Wakad, Pune, Maharashtra. The plot area of proposed site is 42,407.10m^2, and total built-up area is 1,34,652.73m^2. Proposed project consists of 5 residential buildings, 1 commercial building and 1 MHADA building. Total 666 nos. of tenements and 24 Shops and 10 offices shall be developed. Maximum height of the building is 69.90 m. Building configuration of the proposed project is as given below:

Residential Building

S.N.	Type of Building	Configuration	Height (m)
1	Tower-1	2P + 21	69.9
2	Tower-2	2P + 21	69.9
3	Tower-3	2P + 21	69.9
4	Tower-4	2P + 21	69.9
5	Tower-5	2P + 21	69.9
Residential (MHADA) + Commercial			
6	MHADA	P + 12	39.60
7	Commercial	P + G+ 7	31.4

During operational phase, total water demand of the project is expected to be 402 KLD and same will be met by fresh water from PCMC and recycled water. Wastewater generated (322 KLD) uses will be treated in STP of 450 KLD (360KLD, 65KLD, 25KLD) capacity. 133 KLD of treated wastewater will be recycled for flushing. About 115 KLD will be discharged in drain.

About 1,615 kg/day solid waste will be generated in the project. The biodegradable waste (970 kg/day) will be processed in mechanical composting (Eco bio compack) and the non-

	biodegradable waste generated (533 kg/day) will be handed over to authorized local vendor. The total power requirement during construction phase is 200KVA and will be met from MSEDCL and Total power requirement during operation phase is 2,348kVA and will be met from MSEDCL. Rooftop rainwater of building will be collected in twelve recharge pits of total 1.5 m dia x 3 m depth capacity for harvesting after filtration. Parking facility for 803 four wheelers, 1,672 two wheelers and 1,445 cycles are proposed to be provided against the requirement of 556 four wheelers,1,672 two wheelers and 1,445 cycles respectively (as per local norms). DG sets (1x 500 KVA; 1 x 320 KVA ; 2 x 250 KVA) will be installed. After detailed deliberation, the Committee sought following additional information: **(i)** Certified compliance report issued by the Regional Office, Nagpur on the existing environmental conditions stipulated in environmental clearance. **(ii)** Give details of the past history of the project related to submission of application at the SEIAA Maharashtra. **(iii)** Respond to the comments made by the SEAC/SEIAA during the presentations at Maharashtra, based on minutes of SEAC/SEIAA meetings. **(iv)** Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016. **(v)** Since both plots are separated by a road, Pl clarify whether utilities of the both buildings are common or separate. If separate utilities will be provided then give details. **(vi)** Copy of approved Sanction plan. Approval of the project from High Rise Building Committee of Maharashtra. **(vii)** Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished. **(viii)** Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway. **(ix)** Details of source of water supply alongwith permission to be submitted. **(x)** Excess treated sewage disposal plan/scheme to be submitted. **(xi)** Prediction of ground level concentration of emissions from stack due to DG set (1x 500 KVA; 1 x 320 KVA ; 2 x 250 KVA). **(xii)** Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy. **(xiii)** Calculation on sizing of solar water heating systems to be furnished. **(xiv)** At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid. **(xv)** Solid waste management plan alongwith area earmarked for solid waste management scheme. **(xvi)** Recheck and increase the size rain water collection pit. **(xvii)** Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting. **(xviii)** Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through

drawings and details in the proposal

(xix) Layout plan indicating Greenbelt alongwith area earmarked to be provided.

The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.

12.4.13 **Proposed Redevelopment Project on plot no. 71 C.S. no. 447 of SewriWadala Estate Scheme No 57 at Dyaneshwar Nagar, R.A. Kidwaimarg, parelSewri Division, Wadala, Mumbai, Maharashtra by M/s. Xcellent Realty Pvt Ltd. – Environment Clearance reg** (IA/MH/NCP/60723/2016; F. No. 21-72/2016-IA-III)

M/s. Xcellent Realty Pvt Ltd. has proposed for Redevelopment Project on plot no. 71 C.S. no. 447 of SewriWadala Estate Scheme No 57 at Dyaneshwar Nagar, R.A. Kidwaimarg, parelSewri Division, Wadala, Mumbai, Maharashtra. Plot area is 6180.04 sq.m. Total built up area is 42579.79sq.m. Cost of project is Rs. 230 Crore. Project configuration is as given below:

Building Configuration & Height	Rehab = Basement+Ground+2 Podium+1st to 18th +19th Part floor (68.75m) Sale = Basement+Ground+5 Podium+1st to 16th floor (69.75m)
No. of tenements	Rehab = 140 Nos, Sale = 120 Nos, Total = 260 Nos.

304 Nos 4 Wheeler parking will be provided. Total water requirement will be 188 m3/day. Out of which, fresh water requirement from MCGM water supply will be 117 m3/day and remaining water requirement will be met from treated sewage water. Sewage generation will be 164 m3/day and treated in STP. Rain water storage tank capacity will be provided 50 m^3 and 42 m^3.Total solid waste generation will be 650 kg/day. Biodegredable waste will be treated in OWC. DG sets (2 x 1250 KVA) will be installed.

After detailed deliberation, the Committee sought following additional information:

(i) Give details of the past history of the project related to submission of application at the SEIAA Maharashtra.

(ii) Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016.

(iii) Whether this project attracts CRZ notification, 2011. Pl indicate distance of project from the HTL on the google map.

(iv) Give details on the impacts that the project may have on the SEWRI mudflats and on the Master plan for its development.

(v) Copy of approved building sanction plan.

(vi) Action plan for management of Construction and Demolition waste generated from the redevelopment.

(vii) Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished.

(viii) Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway.

(ix) Details of source of water supply alongwith permission to be submitted.

(x) Excess treated sewage disposal plan/scheme to be submitted.

(xi) Prediction of ground level concentration of emissions from stack due to DG set (2x 1250 kVA).

(xii) Efforts shall be made to reduce capacity of DG set to (1x1250 KVA) and remaining standby power shall be met from solar energy.

(xiii) Calculation on sizing of solar water heating systems to be furnished.

(xiv) At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid.

(xv) Solid waste management plan alongwith area earmarked for solid waste management scheme.

(xvi) Details of rain water harvesting.

(xvii) Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting.

(xviii) Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal

(xix) Layout plan indicating Greenbelt alongwith area earmarked to be provided.

The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.

12.4.14 **EON IT PARK" At Sy.No 72/2/1 At Kharadi, Taluka – Haveli, District Pune, Maharashtra by M/s Eon kharadi Infrastructure Pvt. Ltd. – Environment Clearance reg** (IA/MH/NCP/60119/2016; F. No. 21-73/2016-IA-III)

M/s Eon kharadi Infrastructure Pvt. Ltd. has proposed for construction of EON IT PARK" At Sy.No 72/2/1 At Kharadi, Taluka – Haveli, District Pune, Maharashtra. PP has obtained Environment Clearance from SEIAA, Maharashtra vide letter No SEAC-III-2015/CR-57/TC-3, Dated 6th Oct 2015 for 2 FSI. Now, built up area of the project will be increased from 144241.43 m^2 to 256265 m^2. Plot area is 48600 m^2. As per previous EC, Project configuration is as given below:

Building Type	Configuration	Height (m)
Tower A	Basement 1 + Basement 2 +Basement 3 + Podium + 10 floors	46
Tower B	Basement 1 + Basement 2 +Basement 3 + Podium + 10 floors	46

Project configuration of expansion project is as given below:

Building Type	Configuration	No of offices	Height (m)
Tower A	Basement 3 + Basement 2 (Partly above ground) + Basement 1 (Partly above ground) + Ground + 17 floors	32	67.2
Tower B	Basement 2 (Partly above ground) + Basement1 (Partly above ground) + Ground + 17 floors	32	67.2
Recreational Block	1^{st}+2^{nd} Floor	--	9.00
Total		**64**	

	It is reported that Mula-Mutha River is flowing at a distance of 0.70 km. Wagholi lake, Vishrantwadi lake, SRPF lake are located within 10 km distance. Reserved forest is located at the periphery of 10 km. TOR was granted by SEAC-III, Maharashtra in the 54th SEAC-III meeting dated 20.09.2016. Total water requirement is 1199 m^3/day. Out of which, fresh water requirement from Puna Municipal Corporation water supply will be 469 m3/day and remaining water requirement (949 m3/day) will be met from treated sewage. Sewage generation will be 1055 m^3/day and treated in the STP. Treated sewage will be used for flushing (703 m^3/day) and gardening (27 m^3/day).Total solid waste generation is 3240 Kg/day. DG sets (7 x 2000 KVA) will be installed. Predicted GLC of the pollutants during operation phase has been reported to be o.4 □g/m3, 3 □g/m3 and 40 □g/m3 for PM2.5, NOx and CO respectively. Solid waste generation from the proposed project is estimated to be 3240 kg/day. Biodegredable waste will be treated in OWC. The Committee suggested them to re-estimate the quantity of e-waste and also proposed action plan to manage and dispose e- waste. After detailed deliberation, the Committee sought following additional information: **(i)** Certified compliance report issued by the Regional Office, Nagpur on the environment conditions stipulated in the existing EC. **(ii)** Give details of the past history of the project related to submission of application at the SEIAA Maharashtra. **(iii)** Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016. **(iv)** Action plan for management of E- waste generated from the IT building. **(v)** Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished. **(vi)** Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway. **(vii)** Details of source of water supply alongwith permission to be submitted. **(viii)** Excess treated sewage disposal plan/scheme to be submitted. **(ix)** Efforts shall be made to reduce capacity of DG set and remaining standby power shall be met from solar energy. **(x)** Calculation on sizing of solar water heating systems to be furnished. **(xi)** Solid waste management plan alongwith area earmarked for solid waste management scheme. **(xii)** Details of rain water harvesting. **(xiii)** Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting. **(xiv)** Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal **(xv)** Layout plan indicating Greenbelt alongwith area earmarked to be provided. The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.

12.4.15 Environmental Clearance For Proposed Metropolitan Magistrate Court And City Civil Court at Mazagaon, Mumbai, Maharashtra by Office of Executive Engineers – Environment Clearance reg (IA/MH/NCP/60892/2016 F. No. 21-74/2016-IA-III)]

The project proponent did not attend the meeting.

12.4.16 **Proposed Construction project "Vishal Vishwa" at Village –TalegaonDhamdhere, Taluka- Shirur, District – Pune, Maharashtra by M/s Vishal Construction – Environment Clearance reg (IA/MH/NCP/60962/2016; F. No. 21-75/2016-IA-III)**

M/s Vishal Construction has proposed for development of building construction project at Gat No - 3668, 3672, 3673, 3679, 3688 Village Talegaon-Dhamdhere, Taluka- Shirur, District Pune, Maharashtra. Total plot area is 42700.00 m^2 and total built up area is 57111.22 m^2. Cost of project is Rs. 100 Crore. Following is the building configurations:

Sr. No.	**Type of Unit / Bldg**	**Number of Floors**	**Number of Tenements**	**Total Population**
1	A & B	P+7	56	280
2	C & D	P+7	56	280
3	F	P+5	19	95
4	1	P+7	56	280
5	2	P+7	56	280
6	3	P+7	56	280
7	4	P+7	28	140
8	5	P+8	72	360
9	6	P+11	72	360
10	7	P+13	56	280
11	COMM	G+2 2170 SQMT		485
Total			527	2635+485 =3120

PP informed the following :

i. Sanction received from the Town Planning, Pune for plot 1 with Ghat No. 3668 having built up area 15500 m^2. Against approved plan, pp has constructed built up area of 13484.44 m^2.
ii. Sanction received from Town Planning Pune for Part 2 with Gat no 3672, 3673, 3679, 3688 having area 31200 m^2. Against approved plan, pp has constructed built up area of 18628.57 m^2.
iii. Proposed amalgamation of Plot 1 & Plot 2 with Gat No. 33672, 3673, 3679, 3688 having area 42700 m^2.

The Committee was of the view that the matter may be referred to the Ministry for necessary action as PP has started construction without obtaining environmental clearance.

12.4.17 **Proposed construction project "Malpani Triumph Tower" At S. no. 33(P),Baner, Tal. Haveli, Dist. Pune, Maharashtra by M/s Giriraj Enterprises – Environment Clearance** reg (IA/MH/NCP/60968/2016; F. No. 21-76/2016-IA-III)

M/s Giriraj Enterprises has proposed for building construction project "Malpani Triumph Tower" at Sy. no. 33(P),Baner, Tal. Haveli, Dist. Pune, Maharashtra. Total plot area is 17,509.50 m^2 and built-up area is 28,929.75 m^2. Cost of project is . Configuration of building is as given below:

Building 1: B2+B1+LG+G+23

Floor no.	Usage	No. Of floors
Lower ground floor	Shop	1
Ground floor	Shop	1
	F &B	
First floor	F &B	1
Typ floor 2,3,4 & 5th floor	Offices	4
6th floor	Offices	1
7th floor	Offices	1
8th & 9th floor	Offices	2
10th & 11th floor	Offices	2
	F & b	
12th & 13th floor	Offices	2
	Health club	
14th floor	F & b	1
	Offices	
Typ floor 15,16 & 17th floor	Offices	3
Typ floor 18, 19 & 20th floor	Offices	3
21, 22nd floor	Offices	2
23rd floor	Offices	1

Building 2 : Multilevel Level Car Park (MLCP) :B2+B1+LG+G+12

Total water requirement is 279 m^3/day. Out of which, fresh water requirement from Puna Municipal Corporation water supply will be 175 m3/day and remaining water requirement (

	102 m3/day) will be met from treated sewage. Water requirement for swimming pool from tanker supply will be 2 m3/day. Sewage generation will be 212 m^3/day and treated in the STP. Treated sewage will be used for flushing and gardening. Total solid waste generation is 1591 Kg/day. DG sets (2 x 2000 KVA + 1x750 KVA) will be installed. Biodegredable waste will be treated in OWC. After detailed deliberation, the Committee sought following additional information: **(i)** Give details of the past history of the project related to submission of application at the SEIAA Maharashtra. **(ii)** Give a conformity status to conditions stipulated in Annexure XIV of the amended EIA notification of 09-12-2016. **(iii)** Whether this project attracts CRZ notification, 2011. Pl indicate distance of project from the HTL on the google map. **(iv)** Give details on the impacts that the project may have on the SEWRI mudflats and on the Master plan for its development. **(v)** Copy of approved building sanction plan. **(vi)** Action plan for management of Construction and Demolition waste generated from the redevelopment. **(vii)** Layout plan indicating road, greenbelt, drainage, sewer line, STP, solid waste handling area, rain water harvesting structure, etc. in different colour to be furnished. **(viii)** Layout of parking plan indicating entry and exit points of vehicular movement as well as traffic management plan. Highlight the fire tender pathway. **(ix)** Details of source of water supply alongwith permission to be submitted. **(x)** Excess treated sewage disposal plan/scheme to be submitted. **(xi)** Prediction of ground level concentration of emissions from stack due to DG set (2x 1250 kVA). **(xii)** Efforts shall be made to reduce capacity of DG set to (1x1250 KVA) and remaining standby power shall be met from solar energy. **(xiii)** Calculation on sizing of solar water heating systems to be furnished. **(xiv)** At least 2 solar powered lights and one fan shall be provided in each flat. Solar generation shall be connected to the grid. **(xv)** Solid waste management plan alongwith area earmarked for solid waste management scheme. **(xvi)** Details of rain water harvesting. **(xvii)** Management of excavated soil. Pollution control measures to be taken to control fugitive emission during construction phase including marble /stone cutting. **(xviii)** Details energy conservation measures to be taken. taken (all points mentioned in the proposal such as orientation to support reduced heat gain, use of ASHRAE 90.1, use of ECBC compliant envelope measures to be supported through drawings and details in the proposal **(xix)** Layout plan indicating Greenbelt alongwith area earmarked to be provided. The proposal was deferred till the desired information is submitted. The above information shall be provided with the uploading of minutes on the website.
12.4.18	**Shree Sharada Infrastructure has proposed to construct 'Renaissance Royal' at Mounje-Neral, Taluka-Karjat, Maharashtra by M/s Shree Sharada Infrastructure Private Limited –**

	Finalization of ToR – [F.No.21-40/2016-IA-III] The project proponent did not attend the meeting.

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LIST OF PARTICIPANTS OF EAC (INFRASTRUCTURE-2) IN 12th MEETING OF EAC (INFRASTRUCURE-2) HELD ON 26-28 DECEMBER, 2016

S.N.	Name	Designation	Attendance
1	Prof. T. Haque	Chairman	P
2	Shri K. Gowarappan	Member	P
3	Dr. Yashpal Singh	Member	P (2D)
4	Dr.AyiVaman N. Acharya	Member	P
5	Dr. S.K. Bhargava	Member	P
6	Dr.Chandrahas Deshpande	Member	A
7	Shri A.P. Singh	Member	P
8	Ms. Mili Majumdar	Member	P
9	Prof.Dr. Sanjay Gupta	Member	P
10	Dr. R Deoliya	Member	A
MOEF&CC Representative			
11.	Shri A. N. Singh	Joint Director & Member Secretary	P

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