

Minutes of the 146th meeting of Expert Appraisal Committee for Projects related to Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects held on 9th – 11th March, 2015.

1. Opening Remarks of the Chairman.

The Chairman welcomed the Members to the 146th meeting of the Expert Appraisal Committee.

2. Confirmation of the Minutes of the 145th Meeting of the EAC held on 9th February, 2015 at New Delhi.

The EAC confirmed the minutes of the 145th of the EAC held on 9th February, 2015 at New Delhi.

3. Consideration of Proposals

3.1 Construction of a Beach Resort at S.N.No.125/1A3 of Kokilamedu village, Thirukalukundram Taluk, Kancheepuram District, Tamil Nadu by M/s Silver Reeds Hotels and Resorts Pvt. Ltd. – CRZ Clearance [F.No.11-80/2013-IA-III] – Further consideration

3.1.1 The proposal was examined by the EAC in January, 2014 and it sought additional information such as layout maps and drawings of each unit/ module, details of source of water supply, details of tertiary water treatment facility, details of energy saving, details of parking.

3.1.2 The details submitted by the PP were examined by the EAC in March, 2014. The PP informed that the required water will be met from Panchayat supply. The EAC was not convinced and was of the view that the PP need to get necessary approval from the Competent Authority of the State Government for drawal of ground water for the specific purpose

3.1.3 PP made a presentation and informed that:

- i. Though the local Panchayat has assured for water supply, a desalination plant of 70 KLD is proposed to be installed to meet the water requirement.
- ii. The intake will be through a well of 3m diameter and 4 m height at 600 m from the shore at a depth of 7 m. The intake pipeline will be 250mm HDPE pipeline
- iii. The reject from the Desalination Plant will be disposed at 1000 m from shore through a 200 mm HDPC pipeline of 1200 m at a depth of 5.5 m.

3.1.4 The EAC after deliberation, suggested to the PP to seek comments from the local Panchayat about the supply of water for construction purposes and from Government of Tamil Nadu about the water supply scheme for construction activities in the area in view of the proposed large numbers of constructions. PP should submit details of the commercial viability of project on utilising desalinated water for construction purpose.

3.2 Construction of resort at Semancheri Village, Chengalpattu Taluk, Kancheepuram District, Tamil Nadu by M/s Olympia Merlin Developers Pvt. Ltd. – CRZ Clearance [F.No.11-6/2013-IA-III] – Further consideration

3.2.1 The proposal was examined by the EAC in March, 2014 and it sought additional information such as source of water along with required permission, proper EMP, revised layout shifting the proposed building away from the road, Parking and Circulation plan, energy conservation measures along with % of saving and management plan in case of any disaster like earthquake and Tsunami.

3.2.2 PP made a presentation and informed that:

- i. The desalination plant of 30 KLD is proposed to meet the requirement.
- ii. The intake will be through a well of 3m diameter and 4 m height at 600 m from the shore at a depth of 7 m. The intake pipeline will be 250mm HDPE pipeline
- iii. The reject from the Desalination Plant will be disposed at 1000 m from shore through a 200 mm HDPC pipeline of 1200 m at a depth of 9 m with a standby pipeline.

3.2.3 The EAC noted that the Sea is about 440 m from the site, however, the PP proposed to draw water from the backwater which is about 1 km from the site. EAC after deliberation, suggested to the PP to consider the intake from Sea and submit the revised proposal and submit the comments from the Chennai Municipal Development Corporation (CMDA) on the supply of tanker water for construction purposes.

3.3 Expansion of existing hotel resort Bay Island, Port Blair, South Andaman by M/s Bay Islands Hotels Ltd – CRZ Clearance [F.No.11-73/2013-IA-III] – Further consideration

3.3.1 PP made a presentation and informed that:

- i. M/s Bay Islands Hotels Limited is a 100% subsidiary of ITC Limited. ITC's Hotels division is a premier chain of hotels with over 100 hotels in 80 destinations in India.
- ii. Site is located in survey No. 1951/3 and 1951/12 of Phoenix Bay village under Municipal Corporation area of Port Blair under South Andaman District. According to CRZ notification 2011, area is categorized as CRZ-II. The total existing area of the project is 22,800 sqm. The existing facilities are operational since 1982.
- iii. The project is for construction of new guest room block with 36 guest rooms, a banquet block and an engineering services block. A new Spa will be created within the existing buildings. With these renovations and additions, the rooms will increase from current 48 to 76, and the hotel will satisfy the criteria for classification as a 5-star hotel.
- iv. Existing built up area is 5083.6 sqm and proposed new construction is 4665.8 sqm. Total built up area will be 9749.4 sqm after expansion. Proposed landscape area will be 16,000 sqm and for parking 1,675 sqm.
- v. During construction phase, total water requirement is expected to be 10 KLD which will be met by municipal supply or tankers. Temporary sanitary toilets will be provided for labor force.

- vi. During operational phase, the total water demand will be 88 KLD in which 61 KLD fresh water will be met from Municipal water supply and Rain water harvesting. Wastewater generated from domestic activities will be 70 KLD and treated in Sewage Treatment Plant of 88 KLD capacity. 70 KLD treated water will be reused for flushing – 26 KLD and gardening- 19.2 KLD. About 17.3 KLD will be disposed in to municipal drain.
- vii. About 60 Kg/day solid waste will be generated in the project. The biodegradable waste (20KgPD) will be processed in OWC and the no biodegradable waste generated (40Kg TPD) will be handed over to authorized local vendor.
- viii. The total power requirement during construction phase is 250 KVA and will be met from A&N local grid .and total power requirement during cooperation phase is 450 KVA and will be met from local grid A &N. Two D.G. Sets of capacity 250 KVA each are proposed as standby.
- ix. Rooftop rainwater of buildings will be collected in RWH tanks of total capacity 400 KLD for harvesting after filtration.
- x. Parking facility- The existing roads & parking area will be extended so as to avoid congestion and ensure smooth movement of vehicles. There is a well designed parking area. Road area is limited due to high gradient thus not much vehicular movement is possible within the site.
- xi. Hotel is designed for maximum natural light and ventilation. Energy efficient CFL/LED lights are being used and LED/Sodium vapour lights for external lighting. Proposed energy saving measures would save about 20% of power.
- xii. It is not located within 10 km of Eco Sensitive areas.
- xiii. There is no/court case pending against the project.
- xiv. Investment/Cost of the project is Rs 47 crore
- xv. Employment potential is for 50 people
- xvi. Andaman Nicobar Coastal Zone Management Authority (ANCZMA) recommended the project for granting CRZ clearance vide letter No. CF/EPA/188/153 Dt.23-12-2013.

3.3.2 The EAC recommended for grant of CRZ clearance with the following conditions:

- (i) All the conditions stipulated by the A&N CZMA shall be complied with.
- (ii) All the construction shall be in accordance with the provisions of CRZ Notification, 2011.
- (iii) Energy saving measures shall be put in place to bring saving of 20%. PP may explore providing solar panel on sloped roofs, use solar energy for heaters, cooking etc.This shall be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- (iv) There shall be no drawal of ground water.
- (v) Necessary arrangements for the treatment of effluents and solid wastes must be made and it must be ensured that the untreated effluents and solid wastes are not discharged into the water or on the beach; and no effluent or solid waste shall be discharged on the beach.
- (vi) The quality of treated effluents, solid wastes, emissions and noise levels and the like, from the project area must 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.

- (vii) Installation and operation of DG sets, if any, shall comply with the guidelines of CPCB. The diesel required for operating DG sets shall be stored in underground tanks and clearance from Chief Controller of Explosives shall be taken, if required.

3.4. Extension of validity of ToR granted for development of Greenfield International Airport at MOPA, Goa by M/s. MOPA Airport, Goa. [F.No.10-29/2011-IA-III]

3.4.1 PP made a presentation and informed that:

- i. The ToR was granted by the Ministry on 12th May, 2011.
- ii. Due to issues in land acquisition, forest area, R&R etc, the area of the project was reduced to 2271 acres from original 4500 acres. Accordingly, EAC revised ToR.
- iii. Due to delay in land acquisition, finalisation of project details, the EIA could be completed in December, 2014 only.
- iv. PH was conducted on 01.02.2015, about three thousand public attended. The public hearing proceeding is under finalisation, hence requested for extension of ToR.

3.4.2 The EAC after deliberation recommended for grant of extension of validity of ToR for one year.

3.5 Amendment to Environmental Clearance granted for Multi Product Units as Mangalore SEZ is presently notified as Multi Product SEZ, Mangalore, Karnataka by M/s Mangalore SEZ Ltd.[F.No.21-383/2007-IA.III] – Further consideration

3.5.1 The proposal was examined by the EAC in November, 2014 and sought additional information such as comparative statement on the possible pollutants from the proposed activity with the already approved /operational components and compliance of conditions of the granted EC.

3.5.2 PP made a presentation and informed that:

- i. PP has appointed M/s Hubert Enviro Care systems Pvt Ltd, with NABET certificate No –NNABET/ EIA/ 1013/ 041 to carry out the assessment of the list and limits of the pollutants from the various proposed Multi Product Units in MSEZ.
- ii. Based on the study by M/s Huber Enviro Care Systems, MSEZL has submitted the list and limits of possible pollutants from the Proposed Multi Product Units and six monthly statements related to compliances to EC conditions to Ministry vide MSEZL letter dated 21st January 2015.
- iii. Assessment of pollution loads from the proposed Multi Product Units were made for the following scenarios and a comparison with approved pollution loads was done

- a.Scenario-1, considering 90% Petrochemical industries & 10% Downstream industries
 - b. Scenario-2, considering 70% Petrochemical & 30% Downstream industries
 - c.Scenario-3, considering 45% Petrochemical & 55% Downstream industries
- iv. The objective of the study is to determine the locations for maximum ground level concentrations (GLC) for various air pollutants which could potentially be generated from the proposed various industrial units in the Mangalore Special Economic Zone (MSEZ) through air dispersion modelling technique.
 - v. The Air quality modelling for predicting GLC of various pollutants like SPM, SO₂ and NO_x was computed using AERMOD Modelling software system and AERMET software.
 - vi. AERMOD Software Version 7.5.0 was used for air dispersion modelling and is applicable to a wide range of buoyant or neutrally buoyant emissions up to a range of 50 km. In addition to more straight forward cases, AERMOD is also suitable for complex terrain and urban dispersion scenarios.
 - vii. The earlier approved MSEZ Phase-I project consists of three major units namely MRPL Phase-III refinery, Aromatic Complex and Olefin complex. Instead of olefin complex, Multiproduct industries are proposed which are considered as 3 scenarios mainly of Naphtha fuel consumption, LNG fuel consumption and Mix of Naphtha & LNG mixed fuel consumption respectively.
 - viii. Forecast from different scenarios of proposed Multi Product units is expected to be within the approved Environment Pollution loads of Olefin Complex.

3.5.3 The EAC after deliberation recommended for grant of Environment Clearance for setting up of Multi-Product Units along with Downstream Petroleum/Petrochemical units with the following condition:

- i. The individual industries shall obtain prior Environmental Clearance as required under EIA Notification, 2006. The PP shall only allow the projects that have obtained the requisite EC.

3.6. Amendment in Environmental Clearance granted for Handling of proposed Butadiene Storage Facility by M/s. Adani Hazira Port, Hazira [F.No.11-150/2010-IA-III] – Further consideration

3.6.1 The proposal was examined by the EAC in November, 2014 and sought additional information such as relevant details / documents to prove that Butadine is covered under EIA, Risk Assessment reports, coordinates of the storage tanks in which Butadine will be stored, guidelines proposed to be followed for storage of Butadine including storage tanks, capacity, details of new pipelines and their pathway on the CRZ map, details of D.G sets proposed to be installed including their pollution abatement measures.

3.6.2 PP made a presentation and informed that:

- i. The EIA report under '2.1.8. Liquid Cargo Storage and Handling' 'Petrochemical' is covered and since Butadiene is a hydrocarbon –Category 'A', it is permissible under 'petrochemical'.
- ii. The entire project continues to be within the port area for which both EC and CRZ clearance was received Butadiene storage area is of 5.1 Hacters with loading and unloading facilities.
- iii. Butadiene tank type is spherical and Butadiene will be stored under refrigeration.
- iv. Existing Multi-Purpose jetty which is being used for liquid& other general cargo handling will also be used for Butadiene Handling.
- v. Laying of dedicated pipeline from Butadiene spheres to multi-purpose jetty.
- vi. Butadiene handling facility requires 1500 kVA power. Power demand will remain unchanged as per previous EC.
- vii. Existing ETP & STP will be augmented as and when required as per earlier clearance obtained for 2.5 MLD ETP & 2 MLD STP.
- viii. One additional DG set of 1250 kVA as backup for Butadiene Facility.
- ix. Water consumption and waste water generation remains unchanged as per previous EC.
- x. Hazardous waste generation and categories will remain unchanged

3.6.3 The EAC has received a Note from one of the NGOs with regard to mangrove destruction and reclamation. The PP while submitting the facts has refuted the allegation. The EAC was informed that a site visit was made earlier by the Regional Office, Bhopal as a follow up of the directions of the Hon'ble NGT(WZ), Pune. A reply has been filed before the NGT based on the site visit.

3.6.4 The EAC after deliberation recommended for grant of amendment to the Clearance for shifting the Butadiene Storage Facility with the following conditions:

- (i) All the statutory clearances as applicable shall be obtained prior to establishing the facility.
- (ii) This amendment is subject to the outcome of the Application No. 79 of 2014 before the Hon'ble NGT(WZ), Pune.

3.7. Amendment in Environmental and CRZ clearance granted for construction of berthing and allied facilities off Tekra, Gujarat by M/s Adani Kandla Bulk Terminal Pvt. Ltd. [F.No.10-10/2008-IA-III] – Further consideration

3.7.1 The proposal was examined by the EAC in November, 2014 and sought additional information such as details of coal stacking yard, details of loading along with dust control measures and green belt buffer along the boundary of the stacking yard.

3.7.2 PP made a presentation and informed that:

- i. Majority of coal cargo to be dispatched through railway, loading of railway wagon by dozers and excavators, each wagon of the rake is loaded with about 64-66 T cargo

- ii. Coal & coke cargo will also be dispatched by trucks.
- iii. Truck loading operation is also done by the excavators and dozers.
- iv. Fertilisers will be stored inside the go-down and bagged in 50 kg bags for onward loading in BOXN rakes directly through the platform provided in the go-down. At the berths, water sprinklers are installed in the hoppers and the timing is set in a manner that when grab of the crane holding coal opens up in the hopper, the sprinklers are operated and water mist is formed above the surface of grab opening thus not allowing dust to escape the hopper.
- v. The coal is kept under moist condition to minimize the dust emission.
- vi. At the transfer towers where coal is transferred from preceding conveyor to succeeding conveyor, water mist is released through sprinklers ensuring generation of minimal dust.
- vii. As the coal reaches the chute point, it is picked up with pay-loaders and discharged in dumpers which then stack it in the coal stack-yard.
- viii. After stacking is completed, the automated dust suppression system in the stack-pile is operated and water mist is released over the coal stockpile at continuous intervals to keep the surface of coal moist.
- ix. Fertilizer handling operation is dust free in nature
- x. A greenbelt buffer of 10 m width along the back up area will be created

3.7.3. The EAC has received a Note from one of the NGOs with regard to mangrove destruction and reclamation. The PP while submitting the facts has refuted the allegation. The EAC as informed that a site visit was made earlier by the Regional Office, Bhopal as a follow up of the directions of the Hon'ble High Court, Gujarat. A final order has been issued by the MoEFCC on 12.02.2014 directing the PP to comply with conditions. A reply has been filed before the High Court based on the site visit. Accordingly, case was disposed. The PP has further submitted that:

- i. AHPPL has not destroyed any mangroves in developing its port facilities at Hazira.
- ii. AHPPL has developed port facilities based on various Environment and CRZ Clearances granted to it by MoEFCC from time to time.
- iii. The present proposal is only for the amendment of EC & CRZ clearance granted on the 03rd May 2013 with respect to relocation of storage tanks within port area only.
- iv. Liquid storage terminal was already approved in EC & CRZ clearance dated 03rd May 2013 which covers class A, B & C chemicals. Co-ordinates of the proposed butadiene storage facility have already been submitted.

3.7.4 The EAC noted that the land to be added to the existing area for which the EC has been granted is only one fifth of the total land which is contiguous and will have same activity i.e. for laying out the railway line. The PP has submitted that:

- i. EIA was carried out for an area covering 10 KM radius. The proposed project area of 16.30 ha. is adjacent to the existing approved 80 ha. back up area.
- ii. No. of rows of plants: Along boundary PP has planted screen tree as a Casurina spp. and other multi species (total 4 rows) are planted along the boundary of back up area.
- iii. Expected final height will be 20-25 ft. for a screen tree.

- iv. Details of species as well as map of greenbelt area are attached in Annexure – 1.
- v. Coal shall be transported in covered trucks. Further, the same is being practiced and will be continued in future as well. Photograph to this effect have been submitted..
- vi. Coal shall be transferred from ship to coal stockyard by covered conveyor. The same is being practiced and will be continued in future as well. Photograph to this effect have been submitted..
- vii. Details on dust suppression system starting from hopper up to stack yard in the back up area has already been submitted. Photographs showing systems installed for dust suppression during various cargo handling operations have been submitted..
- viii. The PIL no. 63 of 2013 in the High Court of Gujarat, was heard and site visits were carried out by Regional Officer of MoEF&CC, Bhopal. Based on submissions of MOEF&CC, the High Court has issued final order and dismissed the PIL.

3.7.4. The EAC after deliberation recommended for grant of amendment to the Clearance for addition of 16.3 Ha for the railway yard with the following conditions:

- i. The coal shall be stored only in designated stock yard with dust control measures viz. wind screen of height atleast 2m above the of coal stock, made of fabric/HDPE, water sprinkler assignment, green belt of at least three layers of suitable trees and scrubs.
- ii. The coal from the ships shall be conveyed through closed conveyor to the coal stock yard. The conveyor shall be seamless without joints/transfer points.

3.8. Setting up of Bulk Drugs and Intermediates manufacturing unit at Sancham Village, Ranasthalam Mandal, Srikakulam District-marine disposal of treated effluent through dedicated pipeline to bay of Bengal at Donepeta, Mentada Village Ranasthalam Mandal, Srikakulam District. Andhra Pradesh by M/s Hyacinth Pharma Pvt. Ltd - CRZ Clearance [F.No.11-13/2014-IA-III] - Further consideration

3.8.1 The proposal was examined by the EAC in October, 2014 and suggested to the PP to submit the measures proposed to ensure proper treatment, recycling the treated effluent and monitoring of the same.

3.8.2 PP made a presentation and informed that:

- i. Process Effluent – Segregated to High and Low TDS/COD streams
- ii. Process High TDS/COD streams will be subjected to treatment through Stripper, Multi Effect Evaporator (MEE) and Agitated Thin Film Drier (ATFD) systems
- iii. Stripper distillate will be subjected to further fractionation.
- iv. Enriched mixed solvent will be sold/disposed to cement units for co-processing
- v. MEE and ATFD condensates will be sent to Bio-ETP for treatment along with Process Low TDS/COD stream and utilities wastewater
- vi. Treated effluent from Bio-ETP, conforming norms will be disposed to marine outfall.
- vii. Discharge is being controlled and done in the presence of APPCB only

- viii. 10 days storage capacity of treated water (of guard ponds) will be established as being insisted by APPCB
- ix. Compliance to CPCB guidelines (7th November, 2014) on monitoring
- x. HPPL will be part of periodical studies being entrusted to NIO by APPCB on impact of discharge of effluents to marine outfall.

3.8.3 The EAC after deliberation recommended for grant of CRZ clearance with the following conditions:

- (i) Bio-assay test should be provided for monitoring the toxicity levels.
- (ii) PP shall explore enhancement of recycling of effluent.
- (iii) On-line monitoring sensors shall be provided at outlet in the industry and at the marine outfall.
- (iv) The outfall shall meet the norms stipulated by the SPCB.

3.9.1 Amendment in Environmental Clearance granted for CETP at GIDC Industrial Estate, Ankleshwar, Dist. Bharuch, Gujarat by M/s Ankleshwar Cleaner Process Technology Centre Ltd. [F.No.10-96/2010-IA-III]

3.9.1 PP made a presentation and informed that:

- i. The project was conceived in 2010 considering major industries in GIDC Ankleshwar and Panoli generating specific type of effluent for which the EC was granted in September 2013. During this period most existing industries have installed and commissioned pre-treatment facilities captivity, thereby reducing the load from these industries upto 750KL per day. As the project has already taken off, the project proponent would like to extend its services to industries located in districts within 150 km of GIDC Ankleshwar generating waste water containing abnormal pH, Volatile Organic Compounds, Total Dissolved Solids, copper and other pollutant load irrespective of the size of industries for a minimum lock-in period of 5 years. This will result in overall improvement of industrial output as well as achieve quality production with zero defect and zero effect.
- ii. Unit allowed to accept 3MLD of industrial effluent however after pre-treatment only 2 MLD shall be treated at CETP, hence the change is proposed.
- iii. Proposed to accept waste water from outside Ankleshwar, discharge to ETL FETP shall increase the overall load on the existing CETP of ETL, which would in turn disturb the performance and have an impact on environment. To reduce this impact it is proposed for the amendments.

3.9.2 The EAC after deliberation recommended for grant of amendment to the Environmental Clearance dated 03.09.2013 with the following conditions:

- i. Consent order shall be obtained from State Pollution Control Board and norms of State Pollution Control Board shall be complied with.
- ii. The MoU between CETP and member units shall indicate the maximum quantity of effluent to be sent to the CETP along with the quality.
- iii. The effluent from member units shall be transported through CETP tankers only duly maintaining proper manifest system. The vehicles shall be fitted with

proper GPS system. The transportation of hazardous materials if any shall be as per the Motor Vehicle Act, 1989.

- iv. The units and the CETP will maintain daily log book of the quantity and quality of discharge from the units, quantity of inflow into the CETP, details of the treatment at each stage of the CETP including the raw materials used, quantity of the treated water proposed to be recycled, reused, quantity of the treated effluent discharged.
- v. The CETP shall have adequate power back up facility, to meet the energy requirement in case of power failure from the grid.
- vi. Regular monitoring of functioning of CETP and treated effluent shall be carried out by the proponent.
- vii. Before accepting any effluent from member units, the same shall be as permitted by the SPCB in the consent order. No effluent from any unit shall be accepted without consent from SPCB under the Water Act, 1974 as amended
- viii. Suitable meters shall be provided to measure the quantity of effluent received, quantity of effluent recycled/reused and discharged.
- ix. ESP shall be installed as air pollution control measure with the boiler as proposed.
- x. Hazardous wastes will be generated in the form of Primary treatment sludge, Solids from MEE concentrate drying and used oil will be handled and disposed as per HWM Rules, 2008.
- xi. All the recommendation of the EMP shall be complied with letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to Ro, MoEF along with half yearly compliance report.

3.10. Extension of validity for CRZ Clearance for laying of crude oil pipeline project from Ennore Port to M/s CPCL along the NCTPCL compound wall proposed by M/s. IMC Ltd. [F. No. 11-31/2009-IA.III]- Further consideration

3.10.1 The proposal was examined by the EAC in August, 2014 and it observed that the Ministry has already granted Environmental Clearance to a project for laying of pipeline from Ennore port to CPCL for which the IMC is applying for extension of Environmental Clearance and CRZ Clearance. However, the PP mentioned that there are other users existing in the area up to where the pipeline is proposed to be laid. The Committee suggested to the PP to submit any MoU obtained from some of the likely users including CPCL.

3.10.2 PP made a presentation and informed that:

- i. All request clearances have been obtained.
- ii. Huge expenses already incurred in conducting numerous studies.
- iii. Ennore Port has been developed primarily to decongest the Chennai port area. The port/jetty/marine liquid terminal (MLT) was developed with a view to handle the entire range of Liquid Bulk and Liquid gases including petroleum products, hazardous chemicals, biofuels and vegetable oils.
- iv. To complete the MLT project to its fullest potential, it is essential to have the pipeline from our MLT to the hinterland directly.

- v. Compulsion to enter into a MoU with a single user would deprive of the financial feasibility of the project.
- vi. These kinds of project have long gestation period and was not intended to service a single end user. Hence, entering into a MoU at this juncture does seem to be a viable option keeping in view of the capital intensive nature of the project and its commercials.

3.10.3 The EAC recommended for extension of validity for another period of five years.

3.11 Construction of 400 KV multi circuit Transmission line for i) Dherand – Nechothane, ii) Dherand – Palmbeach Road, iii) Kharghar – Vikhroli, Maharashtra by M/s Tata Power Co. Ltd. – CRZ Clearance [F.No.11-17/2014-IA-III] – Further consideration

3.11.1 The EAC in April 2014 suggested to the PP to explore possibilities of having underground transmission cable, explore the possibility of Bailey bridge type B temporary or mobile approach structure, explore utilizing helicopters for transportation of materials and to submit a comparative analysis of approach road on movable bridge structures and road path causing minimum damage to mangroves instead of stilt type construction, along with details of the mangrove area required to be removed for the proposed approach land and movable temporary bridge vis- a- vis road on stilts.

3.11.2 The details submitted by the PP were examined by the EAC in September, 2014 and noted that PP has largely only tried to prove that the methodology selected by them was appropriate. The EAC after deliberation suggested the PP to have a relook and come up with credible details of the suggested alternative, with the views of a specialised agency like Power Grid Corporation of Indi Ltd., or CEA, if possible.

3.11.3 PP made a presentation and informed that:

- i. As suggested by EAC, the report on the various alternatives was submitted to Power Grid Corporation of India Ltd (PGCIL) for their views
- ii. PGCIL have conveyed their views on the reports submitted by us and recommended that temporary approach pathway method may be the most optimal alternative, wherein permanent damage to mangroves will be the least
- iii. Bombay Natural History Society (BNHS) have prepared the *Mangrove Conservation Plan* for the project and suggested the following mitigation measures:
 - a. The approach pathways with suggested dimensions and routes (temporary pathway of max. 4 m wide including working space), during construction period, as per the EIA reports should be strictly followed.
 - b. Complete prohibition of disposal of waste such as left over construction materials and disposal of such leftover must be done in the pre designated areas outside mangroves.
 - c. The Right of way as demarcated or any other project activity should not restrict the flow of water to other mangroves and thus, adequate tidal water drainage system to be provided wherever necessary.

- d. Right of way should not be fully converted into concrete roads. Thus, on completion, dirt roads will be naturally repopulated by the mangroves.
- e. To compensate the loss of total 1367mature mangroves (852 due to approach path and 515 due to tower foundations), plantation of multi-species mangrove saplings would be undertaken.
- f. Plantation will be carried out under expert guidance.
- iv. Tata Power has signed Tri-partite Agreement along with Forest Department, Government of Maharashtra and M/s. Swaminathan Research Foundation, Chennai for mangrove plantation.
- v. As per the agreement, mangrove re-plantation on 25 ha of degraded area in Survey. No.93, 99 and 100 of Sarsole Village in the vicinity of the project site.
- vi. About 3,00,000 mangrove saplings of various species will be planted over the period of 5 years.
- vii. This activity will cover survival, assessment and re-plantation of mangroves.
- viii. The proposed species of mangroves to be planted are *Avicennia marina*, *Avicenniaofficinalis*, *Rhizophoramucronata*, *Cereopstagal*, *Sonneratiaapatela* and *Sonneratiaalba* as suggested by BNHS.

3.11.4 EAC noted that Conservation Action Trust has pointed out the recommendation of MCZMA on construction of approach road on stilt and likely mangrove destruction which have already been examined by the EAC in detail.

3.11.4 The EAC after deliberation recommended for grant of CRZ clearance with the following conditions:

- (i) PP shall use solid bricks/ ash bricks on geo-textile for roads which shall be removed after completion in satisfaction of Mangrove Cell, Government of Maharashtra.
- (ii) All the suggestion of Bombay Natural History Society (BNHS) regarding mangrove conservation plan shall be strictly complied with.
- (iii) All the recommendations of CZMA shall be strictly complied with.

3.12 CRZ Clearance for widening and reconstruction of five bridges- Mahim Causeway, Tansa Bridge, Vaitarna Bridge, Dharavi Bridge on Mithi River by M/s MMRDA.[F.No.11-64/2012-IA.III]

3.12.1 The Committee deferred the consideration of the project since the PP did not attend the meeting.

3.13. Establishment of common Hazardous waste management facility in Bharuch Gujarat by M/s Innovative Envirocare Jhagadia Ltd. - Environmental Clearance [F.No.10-11/2013-IA-III] - Further consideration

3.13.1 The proposal was examined by the EAC in November, 2014 and sought additional information such as certification from National Chemical Laboratory on the safe method of usage of slag, layout showing green belt of at least 5 m width all along the periphery, details on the availability of capacity of the secured land fill facility where the incinerator ash and MEE residue are proposed to be disposed, details of responses

on the issues raised during Public Hearing in a tabular form indicating issues raised, commitments by proponent alongwith the action plan.

3.13.2 PP made a presentation and informed that:

- i. The EAC suggested to obtain certification from National Chemical Laboratory on the safe method of usage of slag, NCL, Pune informed that they do not have facility and hence another accredited lab- M/s Green Circle, Inc, Mumbai. According to the analysis report No. GCI/V/Lab/EM-G00059/14-SP/14-15/January-00/883 dated 13.01.2015, the slag is inert in composition and could be utilized for road construction work.
- ii. PP become member of M/S Bharuch Enviro Infrastructure Ltd.- a secured land fill site and obtained letter from them on availability of capacity
- iii. The major issues raised during Public Hearing are employment to local people and land losers,ground water contamination of surrounding area/general complaints against GPCB, GIDC and other existing industries.

3.13.3 The EAC after deliberation recommended grant of Environmental Clearance with the following conditions:

- (i) Transportation and handling of Hazardous Wastes shall be in conformity with the Hazardous Wastes (Management, Handling and Trans-boundary Movement)) Rules, 2008 including the section 129 to 137 of Central Motor Vehicle Rules, 1989.
- (ii) Guidelines of CPCB for Common Hazardous Wastes Incinerators shall be followed.
- (iii) Incinerated ash shall be disposed at approved TSDF and MoU made in this regard shall be submitted to the Ministry prior to the commencement.
- (iv) Periodical air quality monitoring in and around the site shall be carried out. The parameters shall include Dioxin and furans.
- (v) Low sulphur diesel shall only be used.

3.14. Development proposed Multi modal, multipurpose all season port in Vijaydurg, Sindhudurg Distinct, Maharashtra by M/s Vijaydurg Ports Private Limited - Finalization of ToR [F.No.11-12/2011-IA-III]- Further consideration

3.14.1 The proposal was examined by the EAC in January, 2015 and it sought additional information such as NOC from Archaeological Survey of India and NOC from Jaitapur Nuclear Power Project, reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection including site suitability in terms of environmental angle, resources sustainability associated with selected site as compared to rejected sites with parameters considered along with weightage criteria for short-listing selected site, details of shoreline changes at the site, details of mangroves, proposed buffer between the mangroves and layout etc and layout of the site and project components on google map, details of water bodies present in the site.

3.14.2 PP made a presentation and informed that:

- i. The technical studies have been completed and the detailed Project Report (DPR) has been submitted to Maharashtra Maritime Board (MMB)..
- ii. Two sites; namely Burmana and Girye were proposed for the Port within Vijaydurg Port limits.
- iii. While Burmana Site is within Sterilized zone of 5km radius but outside Exclusion zone and Girye Site is out of the Sterilized Zone of 5 kms.
- iv. In 1996-97 Consulting Engineering Services conducted Techno Economic Feasibility study for Port development in Maharashtra for MMB Study identified Alewadi, Dighi, Dabhol, Jaigad, Ganeshgule, Vijaydurg and Redi as probable sites. Of these, Dighi site is with Balaji Port since 1997 and hence not available
- v. Dabhol and Jaigad sites were not available since back up land is with other Industrial groups This left only Alewadi, Ganeshgule, Redi and Vijaydurg as available for development. VPPL also considered other sites viz Rewas, Mirye and Pawas – however these were not found suitable as back up land not available. Hence Alewadi, Ganeshgule, Redi and Vijaydurg were evaluated through matrix system- (Burmana and Girye in Vijaydurg Port limits considered separately).
- vi. According to weightage criteria given below, Girye is the only site which has scored Positive, hence Girye site is selected for development
- vii. Distance of Girye site from Vijaydurg Fort is 3850 m hence out of jurisdiction of ASI.
- viii. The location of Vijaydurg Fort, with respect to port site boundaries, indicate that both the sites namely Burmana Girye are well outside the protected area (100m around notified monument) and Regulated Area (200m around Prohibited Area) – as per the ASI regulations. Thus, proposed development at Burmna and Girye Site seems to fall out of jurisdiction of ASI.
- ix. Preliminary discussions were held with AERB to get their No Objection for Port Location
- x. Girye Site which is outside Sterilized Zone, south of Burmana Site, has advantages like water front, it is free from habitation and is open, deep water contours available very close to the shoreline, and has a large waterfront enabling development of berths needed to serve the Master plan needs. Privately owned land and extensive backup land is available for port operations and storage as well foras setting up port related industries.
- xi. PP is in communication with the Competent Authority, Western Region, Archeological Survey of India for ‘No Objection Certificate’ for Girye Site within Vijaydurg Port Limits. In view of the fact that Girye Site is being pursued which was more than 3.85km away from the Vijaydurg Fort, NOC is not required.
- xii. PP was in communication with the Project Director, Jaitapur Nuclear Power Project for giving clearance to the Girye Site within Vijaydurg Port limits as it falls outside the ‘Sterilized Zone’ of 5.00 kms. In view of the fact that Girye Site is being pursued which was outside the Sterilized Zone’ of 5.00 kms, NOC is not required.
- xiii. Detailed Weightage Matrix and reasons for selecting Girye Site within Vijaydurg Port limits was presented. Based on the matrix, PP has suggested that selection of Girye Site is suitable for development.

- xiv. The PP is in communication with the Director, National Centre for Sustainable Coastal Management, Chennai for providing maps and data for shoreline changes of the Girye Site and also committed to carry out the shoreline changes at Girye Site. In view this, detailed report shoreline changes will be submitted at the time Environmental Clearance.
- xv. Details of mangroves, proposed buffer between the mangroves and layout etc was presented. The PP informed that based on the Google images and site visits, it was observed that, part of Girye site towards seaward side is escarpment of about 30m to 70m and rocky shore leaving little scope for vegetation to grow while, part is sandy shore followed by gentle slope with terrestrial vegetation. The Girye site is completely devoid of mangroves. The detailed assessment shall be done as part of our EIA studies and also while preparing the CRZ maps and the PP assured that they shall retain the buffer zones, if required, in case mangroves were found at Girye Site.
- xvi. The PP presented the layout of the Girye site and project components on Google map, details of water bodies present in the site.
- xvii. The Committee noted that the Burmana site is proposed in Sterilized Zone where developments are frozen. Mangrove areas are in the vicinity. While Girye Site is stated to be outside the Sterilized Zone and free of mangrove areas.

3.14.3 The EAC after deliberation recommended for grant of ToR for Development of Greenfield Port at Vijaydurg, Girye Site within Vijaydurg Port limits Deogad Taluka, Sindhudurg District, Maharashtra with the following specific ToRs:

- i. Details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site. Examine and submit detail of land use around 10 km radius of the project site and map of the project area and 10 km area from boundary of the proposed/existing project area, delineating project areas notified under the wild life (Protection) Act, 1972/critically polluted areas as identified by the CPCB from time to time/notified eco-sensitive areas/interstate boundaries and international boundaries. Analysis should be made based on latest satellite imagery for land use with raw images.
- ii. Submit the present land use and permission required for any conversion such as forest, agriculture etc. land acquisition status, rehabilitation of communities/villages and present status of such activities.
- iii. Examine and submit the water bodies including the seasonal ones within the corridor of impacts along with their status, volumetric capacity, quality likely impacts on them due to the project.
- iv. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area
- v. Submit the details of terrain, level with respect to MSL, filling required, source of filling materials and transportation details etc.
- vi. Examine road/rail connectivity to the project site and impact on the existing traffic network due to the proposed project/activities. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- vii. Submit details regarding R&R involved in the project

- viii. Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale along with the recommendation of the SCZMA.
- ix. Submit the status of shore line change at the project site
- x. Details of the layout plan including details of channel, breakwaters, dredging, disposal and reclamation.
- xi. Details of handling of each cargo, storage, transport along with spillage control, dust preventive measures.
- xii. Submit the details of fishing activity and likely impacts on the fishing activity due to the project.
- xiii. Details of oil spill contingency plan.
- xiv. Details of bathymetry study.
- xv. Details of ship tranquillity study.
- xvi. Examine the details of water requirement, impact on competitive user, treatment details, use of treated waste water. Prepare a water balance chart.
- xvii. Details of rainwater harvesting and utilization of rain water.
- xviii. Examine details of Solid waste generation treatment and its disposal.
- xix. Details of desalination plant and the study for outfall and intake.
- xx. Examine baseline environmental quality along with projected incremental load due to the proposed project/activities.
- xxi. The air quality monitoring should be carried out according to the notification issued on 16th November, 2009.
- xxii. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- xxiii. Submit details of a comprehensive Risk Assessment and Disaster Management Plan including emergency evacuation during natural and man-made disasters
- xxiv. Submit details of the trees to be cut including their species and whether it also involves any protected or endangered species. Measures taken to reduce the number of the trees to be removed should be explained in detail. Submit the details of compensatory plantation. Explore the possibilities of relocating the existing trees.
- xxv. Examine the details of afforestation measures indicating land and financial outlay. Landscape plan, green belts and open spaces may be described. A thick green belt should be planned all around the nearest settlement to mitigate noise and vibrations. The identification of species/ plants should be made based on the botanical studies.
- xxvi. The Public Hearing should be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
- xxvii. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
- xxviii. A NOC for the Girye Site should be taken from Nuclear Power Project Authority, Jaitapur.

3.15 CRZ Clearance for installation of water pipelines and Coal Transportation system for the 1980 MW Coal Based Thermal Power Project at Chillakur Tehsil, Nellore district, Andhra Pradesh by M/s Kineta Power Pvt. Ltd. [F.No.11-49/2014-IA-III]- Further consideration

3.15.1 The proposal was examined by the EAC in January, 2015 and it sought additional information such as details of studies on the impact of discharge from thermal power plant on marine environment marine components addressed in the EIA, Public Hearing etc., details of quantity and quality of discharge, location of outfall along with diffuser, details of modelling, expected dilution, distance at which the outfall is likely to fall into the sea, interaction with the ambient sea water quality, likely impact within mixing zone etc.

3.15.2 PP made a presentation and informed that:

- i. The discharge of warm water would initially cause marginal change in the water quality within the mixing zone. (50 m x 40 m)
- ii. The biological organisms like Primary producers (phytoplankton), Macrophytes such as seaweeds and sea grasses, zooplankton, fish larvae, benthic community, fishes etc. will get exposure within the mixing zone.
- iii. The change in ambient quality is an important factor governing the occurrence, growth, reproduction and metabolic activity of the marine organism.
- iv. The intensity of impact depends on how soon the difference in water quality falls down and attains the ambient condition.
- v. Volume of discharge will be 10302 m³/hour (2.86 m³/s)
- vi. The initial difference in temperature should be kept at 3° C and it attains ambient conditions within 50 m radius. Hence the impact is minimized.
- vii. Brine discharged into the sea would initially raise the salinity of the seawater in the mixing zone.
- viii. The initial difference in temperature is kept 18 ppt and it attains ambient conditions within 225 m radius. Hence the impact is minimized.
- ix. Most fishes including shell fish can tolerate salinity outside their normal range for a period of minutes to hours;
- x. Many shell fish (Clams, Oyster etc) will be unable to move freely, but they can take protective action by temporarily closing their shells when exposed to abnormal salinities.
- xi. Several instances of major losses of bivalves have been reported as a result of larger variations of salinity.

3.15.3. The EAC after deliberation recommended the project for grant of CRZ clearance with the following conditions:

- (i) Filters shall be provided at intake to prevent entry of marine life along with the sea water.
- (ii) All the recommendations and conditions specified by State Coastal Zone Management Authority shall be complied with.
- (iii) The outlet quality as well as the sea water near the outfall shall be monitored especially for temperature and salinity regularly. If the parameters are found to be of significant consequence , necessary

remediation measures shall be taken. A report in this regard shall be submitted to Regional Officer, MoEFCC along with six monthly monitoring report.

- (iv) The State Pollution Control Board shall devise a mechanism by which they will keep watch on any adverse damage to marine life from temperature or salinity adverse effects.
- (v) 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.

3.16. Proposed residential cum commercial project – GB One at C. T. S No. 198/1 (pt), 198/3, 197/11A, BhayanderPada, Ghodbander road, Thane by M/s Puranik Builders Pvt. Ltd. – Environmental Clearance [F.No. 21-59/2014-IA-III]

3.16.1 The proposal was considered by the EAC on 18th October, 2014 and it sought additional information such as certification / confirmation from Thane Municipal Corporation regarding FSI/Non-FSI area, net plot area vis-a vis their regulations, Zone Certificate of the site for land use from the designated Town and Country Planning Authority and assurance of water availability for the proposed number of tenements.

3.16.2 PP made a presentation and informed that:

- i. Applied to the Thane Municipal Corporation for the certificate regarding FSI/Non-FSI area, net plot area vis-a vis their regulations. And submitted a certificate on the FSI/Non-FSI area, net plot area vis-a vis TMC regulations by the Architect.
- ii. TMC has issued Zone certificate and according to which the area is in Residential zone.
- iii. Thane Municipal Corporation vide letter No. TMC/WSD/EE/649 dated 25.02.2015 conveyed that the remodelling project for North Zone of Thane city will be completed in next 2-3 years after that water will be provided as per availability to this project.\

3.16.3 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- (i) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- (ii) The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- (iii) Solid waste shall be collected, treated and disposed according to rules.
- (iv) PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.

- (v) The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- (vi) Parking facility with clear 6 m driveway shall be provided as committed.
- (vii) All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- (viii) The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- (ix) The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- (x) D.G set shall be at least 6 m away from the boundary.
- (xi) Temporary toilets will be provided for all construction labour.

3.17. Construction of proposed residential development with Shops” at Plot bearing S. NO.120/2, 120/4, 120/5, 120/8, 120/9, 120/10 at village Owala, Ghodbunder road, Thane, Maharashtra by M/s. Sai Pushpa Enterprises. – Environmental Clearance [F.No.21-61/2014-IA-III]

3.17.1 PP made a presentation and informed that:

- i. The project is located at 19°15'42.31"N Latitude and 72°57'22.82"E Longitude
- ii. The project is a proposed residential development with shops wherein no redevelopment component has been involved
- iii. The total plot area is 13150 sq. m. The project will comprise of 3 nos. of Buildings. FSI area is 17126.56 sq. m and total construction built-up area of 45934.73 sq. m. Total 374 flats & 10 shops shall be developed. Maximum height of the building up to terrace level is 91.80 m.
- iv. During construction phase, total water requirement is expected to be 12 KLD for workers & 15-20 KLD for construction which will be met by Thane Municipal Corporation (T.M.C.)/Tanker water. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labour.
- v. During operational phase, total water demand of the project is expected to be 272 KLD and the same will be met 103 KLD by Recycled Water & 169 KLD by T.M.C. Wastewater generated (220 KLD) will be treated in an STP of 242 KL capacity. 103 KLD of treated wastewater will be recycled (85 KLD for flushing, 18 KLD for gardening). About 95 KLD will be disposed in to municipal drain.
- vi. About 0.8 TPD solid wastes will be generated in the project. The biodegradable waste (0.6 TPD) will be processed in OWC and the non-biodegradable waste generated (0.2 TPD) will be handed over to T.M.C.
- vii. The total power requirement during construction phase is 150 KW and will be met from MSEDCL and total power requirement during operation phase is 5204 KW and will be met from MSEDCL
- viii. Rooftop rainwater of buildings will be collected in 2 nos. of RWH tanks of total 30 KLD capacity for harvesting after filtration.

- ix. Parking facility for 340 four wheelers and 429 two wheelers is proposed to be provided against the requirement of 340 four wheelers and 429 two wheelers (according to local norms).
- x. Proposed energy saving measures would save about 27% of power.
- xi. It is located within 10 km of Eco Sensitive areas
- xii. There is no court case pending against the project
- xiii. Investment/ Cost of the project is Rs. (In Crores): 125
- xiv. Employment Potential: During Construction Phase: 150 Nos and during Operational Phase: 30 Nos.
- xv. Benefits of the project: Residential development with shops

3.17.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.18. Construction of “RIVER ROSE” project at CTS No. 35C, 35C-1 to 12, Opp. Hiranandani Business park, Saki Vihar Road, Tungwa Village, Andheri, Mumbai by M/s River Rose Developers Pvt. Ltd. - Environmental Clearance[F.No.21-91/2014-IA-III]

3.18.1 The Proponent made a presentation and informed that:

- i. The project is located at 19°07'27.66"N Latitude and 72°49'53.71"E Longitude
- ii. The project is Mixed use Development wherein no redevelopment component has been involved

- iii. The total plot area is 6586.90 sqm. The project will comprise of One Building with 7 wings & one EWS Building. FSI area is 15585.86 sqm and total construction area of 38321.12 sqm. Total 320 flats & commercial area shall be developed. Maximum height of the building up to terrace level is 42.80 m.
- iv. During construction phase, total water requirement is expected to be 19 KLD for workers & 15 – 20 KLD for construction which will be met by Municipal Corporation of Greater Mumbai (M.C.G.M.)/Tanker water. The waste water will be disposed to existing municipal sewer line. Temporary sanitary toilets will be provided for labour.
- v. During operational phase, total water demand of the project is expected to be 227 KLD and the same will be met 82 KLD by Recycled Water and 145 KLD by M.C.G.M. Wastewater generated (189 KLD) will be treated in one STP of total 210 KL capacity. 82 KLD of treated wastewater will be recycled (73 KLD for flushing, 9 KLD for gardening). About 88 KLD will be disposed in to municipal drain.
- vi. About 0.7 TPD solid wastes will be generated in the project. The biodegradable waste (0.5 TPD) will be processed in OWC and the non-biodegradable waste generated (0.2 TPD) will be handed over to M.C. G.M.
- vii. The total power requirement during construction phase is 100 KW and will be met from Reliance Energy and total power requirement during operation phase is 3120 KW and will be met from Reliance Energy.
- viii. Rooftop rainwater of buildings will be collected in 3 Nos. of RWH tanks of total 88 KLD capacity for harvesting after filtration.
- ix. Parking facility for 265 four wheelers & 25 two wheelers is proposed against the requirement of 257 four wheelers (according to local norms)
- x. Proposed energy saving measures would save about 20 % of power.
- xi. It is located within 10 km of Eco Sensitive areas
- xii. There is no court case pending against the project
- xiii. Investment/Cost of the project is Rs. 126.11 Crore
- xiv. Employment potential: During construction phase: 400 Nos. During operation phase: 37 Nos.
- xv. Benefits of the project: Mixed use Development

3.18.2 EAC noted that the parking for EWS is 1 for 4 flats, whereas it is 1 for 2 flats for others. PP informed that the proposal is according to the norms. EAC was in view that the norms are unfair and discriminatory. Therefore, the EAC sought a clarification/comments from the local authority.

3.19. CRZ Clearance for Proposed Construction of Hotel Building on Plot bearing CTS No.997/ B & C Village Juhu, F.P No. 16 of T.P.S. II, Santacruz (W) at Juhu Tara Road, Mumbai, Maharashtra by M/s Manas Properties Private Limited[F.No.11-89/2011-IA-III]

3.19.1 PP made a presentation and informed that:

- i. The project involves construction of 3 star category residential Hotel at Plot bearing CTS No. 997/B & C village Juhu, F. P. No. 16 of T. P. S-II Santacruz (W) at Juhu Tara Road, Mumbai, Maharashtra.
- ii. The total plot area is 1,231.30sqm. FSI will be 2.50, permissible built up area will be 3,078.25sqm, proposed FSI area will be 3,075.23sqm. The proposed project will comprise of Lower & Higher Basement (for Parking) + Ground Floor + 1st to

2nd Floors + Service Floor + 3rd to 8th Floors + 9th (part) Floor. The proposed Hotel Building will have 37 Rooms, Gym, Lounge, Bar etc. with Service Floor and Parking Space. Height of building from ground will be 39.5 m.

- iii. As per DP remark, land under reference is situated in Residential Zone of T.P.S. II – SantaCruz Juhu Sector.
- iv. As per the CZMP classification, the land under reference is on seaward side of existing road and falls in CRZ – II Category.
- v. The UDD vide its letter No.TPB4306/2842/CR-225/07/UD-11dt. 12.02.2008 has approved additional FSI of 1.00 i.e.1231.30 m² and further approved additional FSI of 0.5 i.e. 615.65 m² vide letter dt.05.08.2009. Thus total FSI approved for hotel Bldg by UDD is 2.5.
- vi. Total Water requirement is 75m³/day. Fresh water requirement is 51m³/day. Sewage generation is 25m³/day.
- vii. Solid waste generation from the complex is estimated to be 172 kg/day. Segregation of dry and wet garbage will be done at source. Dry garbage as will be segregated and disposed off to recyclers. Wet garbage/biodegradable matter as leftover food, vegetables will be composted by OWC method. Compost obtained will be used as a manure for gardening.
- viii. Total Debris amount is estimated to be 5400 m³.
- ix. The power requirement will be 0.5MW. D.G. set having capacity 1000 kVA will be provided as standby.
- x. Parking facility for 55 nos. will be provided.
- xi. Rooftop rainwater of the Hotel building will be discharged in to rainwater harvesting tank after filtration. Rainwater Harvesting tank of Total Capacity 10 m³ will be provided.
- xii. The total cost is Rs. 28.42 Crores.

3.19.3 The EAC noted that a complaint was received along with photographs stating that the building has been already constructed. To the query, PP informed that construction was carried out based on the earlier clearance

3.19.4 EAC recommended to the Ministry to forward the complaint to MCZMA and seek a factual report in the case.

3.20. Proposed construction of residential development at- C.T.S Nos. 1019, 1020, 1020/1, 1020/2, 1055 Echjay Forgings Pvt. Ltd. Echjay Compound Kanjur village Road, Kanjurmarg East Mumbai by M/s. Arkade Developers Pvt. Ltd. – Environmental Clearance [F.No.21-104/2014-IA-III]

3.20.1 The Project Proponent made a presentation and informed that:

- i. The project is located at 19°07'49.09"N Latitude and 72°56'00.70"E Longitude
- ii. The project is a proposed residential development wherein no redevelopment component has been involved.
- iii. The total plot area is 15732.90 sqm. The project will comprise of one building with six wings for sale & one building for EWS. FSI area (Including Fungible area) is 37300.84 sqm and total construction area of 71116.78 sqm. Total 511 flats shall be developed. Maximum height of the building upto terrace level is 69.60 m.

- iv. During construction phase, total water requirement is expected to be 12 KLD for workers & 10-20 KLD for construction purposes which will be met by Municipal Corporation of Greater Mumbai (M.C.G.M.) and water tankers respectively. The waste water will be disposed to existing municipal sewer line. Temporary sanitary toilets will be provided for labour.
- v. During operational phase, total water demand of the project is expected to be 371 KLD and the same will be met 141 KLD by recycled water, 230 KLD fresh water by MCGM. Wastewater generated (299 KLD) will be treated in one STP of 310 KL capacity. 141 KLD of treated wastewater will be recycled (115 KLD for flushing, 26 KLD for gardening). About 128 KLD will be disposed in to municipal drain.
- vi. About 1.20 TPD solid wastes will be generated in the project. The biodegradable waste (0.8 TPD) will be processed in OWC and the non-biodegradable waste generated (0.4 TPD) will be handed over to M.C.G.M.
- vii. The total power requirement during construction phase is 150 KW and will be met from MSEDCL and total power requirement during operation phase is 8589 KW and will be met from MSEDCL
- viii. Rooftop rainwater of buildings will be collected in 3 RWH tanks of total 143 KL capacity for harvesting after filtration.
- ix. Parking facility for 774 four wheelers and 30 two wheelers is proposed to be provided against the requirement of 773 four wheelers (according to local norms).
- x. Proposed energy saving measures would save about 23 % of power.
- xi. It is located within 10 km of Eco Sensitive areas.
- xii. There is no court case pending against the project.
- xiii. Investment/ Cost of the project is Rs.378.25 (In Crores)
- xiv. Employment Potential: During construction phase: 150 nos.
- xv. Benefits of the project: Residential development.
- xvi. A HT line is passing through the site and no construction proposed below the line. NOC obtained from Tata vide letter No. TLJ/LM-01(VGK)/839 dated 25.11.2013.
- xvii. As regards the apprehension raised by Conservation Action Trust on mangroves, the PP clarified that there are no mangroves at the site.

3.52. The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.

- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.21 Construction of proposed Star Category Residential Hotel at C.T.S. No. – 17A of Hariyali – W Village in ‘S’ Ward, Vikhroli, Mumbai by M/s. Isha Steel Treatment Pvt. Ltd. – Environmental Clearance [F.No.21-114/2014-IA-III]

3.21.1 The EAC noted that according to the MCGM letter No. CHE/34711/DPES dated 06.02.2013, the permission was granted for conversion of industrial use to commercial use however, proposal submitted by the PP is based on the norms, especially fungible FSI, for residential use.

3.21.2 EAC has therefore suggested to the PP to revise the proposal based on norms applicable for commercial use.

3.22. Proposed construction of “One Park Avenue” Proposed Residential Project at Plot bearing S.No.99/2, S.No.114/4,& S.No.115/2 at Ghodbunder Road, Village Kolshet, Taluka& District Thane by M/s Man Global Ltd – Environmental Clearance [F.No. 21-154/2014-IA-III]

3.22.1 EAC noted that according to the norms of Thane Municipal Corporation, one parking for every 2 tenement having BUA between 35 to 50 sqm, 1 tenement having BUA between 50- 75 sqm. 2 parking for tenement having BUA of above 75 sqm. is to be provided. In addition, 10 % for visitors subject to minimum of 1 car and 1 two wheeler per tenement are required.

3.22.2. EAC suggested to the PP to revise the parking requirement, consider utilisation of LED lights and revise the energy saving and submit the revised statement.

3.23 Proposed Slum and Non-Slum redevelopment project at plot bearing CTS No. 86(PT),86/1 to 76, 207A, 207A/1 to 30 of Village –Gundavali, Andheri (E), Mumbai, Maharashtra by M/s. Srujan Development & Construction Division –Environmental Clearance[F.No. 21-162/2014-IA-III]

3.23.1 The Project Proponent made a presentation and informed that:

- i. The project is located at 19⁰⁰7’13.96” N Latitude and 72⁰⁵1’14.80”longitude.
- ii. The project is Slum redevelopment.

- iii. The total plot area is 5236.10 sqm. The project will comprise of 02 Buildings. FSI area is 15944.02sqm and total construction area of 31691.83 sqm. Total 318 flats shall be developed. Maximum height of the building is 47.00 m.
- iv. During construction phase, total water requirement is expected to be 50 KLD which will be met by Water Tanker & MCGM, Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided construction labor.
- v. During operational phase, total water demand of the project is expected to be 229 KLD and the same will be met by the MCGM 147KLD & 82KLD from Recycled Water.
- vi. Wastewater generated (200KLD) uses will be treated in 02 STPs of total 135 KLD capacity 65 KLD of treated wastewater will be recycled (77 KLD for flushing, 5KLD for gardening). About 98 KLD will be disposed in to municipal drain.
- vii. About 785.9 TPD solid waste will be generated in the project. The biodegradable waste (474 TPD) will be processed in OWC and the non-biodegradable waste generated (311.9 TPD) will be handed over to authorized local vendor.
- viii. The total power requirement during construction phase is 100 KVA and will be met from Reliance Energy and total power requirement during operation phase is 5058.9 KVA and will be met from Reliance Energy.
- ix. Rooftop rainwater of buildings will be collected in two RWH tanks of total 96 KLD capacity for harvesting after filtration.
- x. Parking facility for 190 four wheelers and 0 two wheelers is proposed to be provided against the requirement of 190 and 0 respectively (according to local norms).
- xi. Proposed energy saving measures would save about 21% of power.
- xii. It is located within 10 km of Sanjay Gandhi National Park- Eco Sensitive areas
- xiii. There is no court case pending against the project.
- xiv. Investment/Cost of the project is Rs 70.00 crore.
- xv. Employment potential:-During construction phase, the locals will get employment opportunity in construction works and also for supply of construction materials. During operational phase, the locals will get employment opportunity in household works, like maids, drivers, etc and also for the maintenance of the premises such as security services, housekeeping, MEP maintenance etc.
- xvi. Benefits of the project – Being a slum redevelopment project, the main benefit will be provision of a house to all the slum dwellers free of cost.

3.23. The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. Open access shall be provided on front side for the shops
- ii. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- iii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iv. Solid waste shall be collected, treated and disposed according to rules.

- v. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- vi. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vii. Parking facility with clear 6 m driveway shall be provided as committed.
- viii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- ix. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- x. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- xi. D.G set shall be at least 6 m away from the boundary.
- xii. Temporary toilets will be provided for all construction labour.

3.24. Redevelopment of Residential project on Plot bearing C. S. No. 641 & 642 of Mazgaon Division at Rambhau Bhogale Marg, Mazgaon, Mumbai, Maharashtra by M/s Sarah Housing Development Pvt. Ltd – Environmental Clearance[F.No.21-176/2014-IA-III]

3.24.1 The Committee deferred the project, since the project proponent did not attend the meeting.

3.25 Expansion of Residential cum Commercial complex “Mahavir Universe” at Plot bearing C. S. No. 420,420/1 to 38,421,421/1 to 3,422,422/1 to 33 & 423 (PL), Bhandup, Kurla, Mumbai [F.No.21-118/2014-IA-III]

3.25.1 The Project Proponent made a presentation and informed that:

- i. The project is located at on 19°08'57.20"N Latitude and 72°56'24.93"E Longitude.
- ii. The Amendment and expansion in EC for residential cum commercial project located Plot bearing C. S. No. 420,420/1 to 38,421,421/1 to 3,422,422/1 to 33 & 423 (PL) at Bhandup, Mumbai which comes within the Municipal limits of Municipal Corporation of Greater Mumbai.
- iii. Obtained Environmental Clearance from MoEF Vide No. 21-275/2006-IA – III dated 02.04.2007, As per earlier EC one building is completed and one building is under progress.
- iv. The total plot area is 35,903 sqm. The Project comprises of 3 buildings. FSI area is 74,207.32 sqm and total construction area of 1,46,730.00 sqm. Total 826 nos of tenements and one commercial premise will be developed. Maximum height of the building is 142.55 m.
- v. During construction phase, total water requirement is expected to be 80 KLD which will be met by tanker water. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labour.

- vi. During operational phase, total water demand of the project is expected to be 563 KLD and same will be met by fresh water from MCGM and recycled water. Wastewater generated (526 KLD) will be treated in STP of total capacity 550 KLD. 190 KLD of treated wastewater will be recycled for flushing and 67 KLD recycled water for gardening. About 264 KLD will be disposed in to municipal drain.
- vii. About 2,091 kg/d solid waste will be generated in the project. The entire solid waste will be handled as per Municipal Solid Waste (Management and Handling) Rules 2000.
- viii. The total power requirement during construction phase is 150 kVA and will be met from Reliance Power and total power requirement during operation phase is 14 MW and will be met from Reliance Power .
- ix. Rooftop rainwater of buildings will be collected in RWH tank of total 150 m³ capacity for harvesting after filtration.
- x. Parking facility for 1,519 four wheelers is proposed to be provided as against requirement of 1213 nos.
- xi. Proposed energy saving measures would save about 22.3% of power.
- xii. It is located within 10 km of Sanjay Gandhi National Park Eco Sensitive areas
- xiii. There is no court case pending against the project.

3.25.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.26 Construction of proposed Residential development with public parking at Plot bearing C.T.S. No. 403/6, of Sion Division, Plot no. 103, Sion, Matunga Estate, SIES College Road, Sion (E), Mumbai by M/s Maitri Associates-Environmental Clearance[F.No.21-191/2014-IA-III]

3.26.1 The Project Proponent made a presentation and informed that:

- i. The project is located at 19°02'37"27"N Latitude and 72°51'46"74"E Longitude
- ii. The project is a proposed residential development with public parking wherein no redevelopment component has been involved
- iii. The total plot area is 5836.16 sqm. The project will comprise of One Building with 2 wings. FSI area (Including fungible area) is 16,109.20 sqmand total construction area of 41,606.91 sqm. Total 136 flats shall be developed. Maximum height of the building upto terrace level is 69.90 m
- iv. During construction phase, total water requirement is expected to be 12 KLD for workers & 10 -20 KLD for construction purposes which will be met by Municipal Corporation of Greater Mumbai (M.C.G.M.)/Tanker water. Disposal of waste water will be to existing municipal sewer line. Temporary sanitary toilets will be provided for labour
- v. During operational phase, total water demand of the project is expected to be 105 KLD and the same will be met 42 KLD by Recycled Water, 62 KLD by M.C.G.M. and 1 KLD from tanker water of potable quality. Wastewater generated (83 KLD) will be treated in one STP of total 90 KL capacity. 42 KLD of treated wastewater will be recycled (33 KLD for flushing, 9 KLD for gardening). About 33 KLD will be disposed in to municipal drain
- vi. About 0.3 TPD solid wastes will be generated in the project. The biodegradable waste (0.2 TPD) will be processed in OWC and the non-biodegradable waste generated (0.1 TPD) will be handed over to M.C. G.M.
- vii. The total power requirement during construction phase is 100 KW and will be met from BEST and total power requirement during operation phase is 3148 KW and will be met from BEST
- viii. Rooftop rainwater of buildings will be collected in 2 RWH tank of total 120 KLD capacity for harvesting after filtration
- ix. Parking facility for 529 four wheelers and 31 two wheelers is proposed to be provided against the requirement of 523. (according to local norms)
- x. Proposed energy saving measures would save about 28 % of power
- xi. It is not located within 10 km of Eco Sensitive areas
- xii. There is no court case pending against the project
- xiii. Investment/Cost of the project is Rs. 147 Crore
- xiv. Employment potential: During Construction Phase: 150 Nos.
- xv. Benefits of the project: Residential development

3.26.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.

- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.27 Redevelopment of Residential cum Commercial Project at plot bearing C.S. No. 2050 of byculla div. situated at N.M Joshi Marg, Byculla, Mumbai by M/s Dosti Realty Ltd. - Environmental Clearance [F.No.21-177/2014-IA-III]

3.27.1 The EAC noted that one of the proposed building falls within 30 m from the railway line and hence NOC from Railway is required. The EAC therefore suggested the PP to submit the NOC from the Railway Authority.

3.28 Construction of proposed residential cum commercial project at plot bearing S. No-128, 129/1, 129/2(a), 129/3, 129/4, 130, 131/1, 225 at village Kavesar, Dist. Thane, State: Maharashtra by M/s Sai Uma Corporation - Environmental Clearance[F.No.21-178/2014-IA-III]

3.28.1 The EAC noted that adequate parking for the shops have not been proposed. The building plan is yet to be approved. Therefore, the EAC suggested to the PP to submit the revised parking plan leaving clear 6 m driveway, approved building plan and location on topo-sheet etc and to submit the revised proposal.

3.29. Residential Project "Soham Pruksa Ville" at S. No. 92/1, 93/1,94/1, 94/4, 94/5,94/6, 94/7, 94/8, 94/9, 95/2 to 7, 97/1, 97/2, 97/4, 97/5, 97/6, 97/9 and 97/11 at village Pimpalner, Bhiwandi, Thane, Maharashtra by M/s Scenic Infrastructure Pvt. Ltd.- Environmental Clearance [F.No.21-179/2014-IA-III]

3.29.1 The Project Proponent made a presentation and informed that:

- i. The project is located at on 19°16'28"45"N Latitude and 73°04'2"30"E Longitude.

- ii. The project is a new residential project : The proposed Residential Project "SOHAM PRUKSA VILLE" on Plot bearing S. No. 92/1, 93/1,94/1, 94/4, 94/5,94/6, 94/7, 94/8, 94/9, 95/2 to 7, 97/1, 97/2, 97/4, 97/5, 97/6, 97/9 and 97/11 at village Pimpalner, Bhiwandi, Thane which comes under the MMRDA.
- iii. The construction of the project has not been started.
- iv. The total plot area is 99,996.92 sqm. The layout contains 48 nos. Villas, 49 nos. of Twin House and 193 nos. of Row House. FSI area is 34,399sqm and total construction area of 35,264 sqm. Maximum height of the building is 12 m.
- v. During construction phase, total water requirement is expected to be 40 KLD which will be met by tanker water. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labour.
- vi. During operational phase, total water demand of the project is expected to be 196 KLD and same will be met by fresh water from Gram panchayat and recycled water. Wastewater generated (157KLD) will be treated in STP of 200 KLD capacity. 65 KLD of treated wastewater will be recycled for flushing and 90 KLD recycled water for Gardening.
- vii. About 725 kg/d solid waste will be generated in the project. The non-biodegradable waste (290 kg/d) will be handed over to authorized local vendor/recyclers. The entire solid waste will be handled according to Municipal Solid Waste (Management and Handling) Rules 2000.
- viii. The total power requirement during construction phase is 150 kVA and will be met from MSEDCL and total power requirement during operation phase is 2.8 MW and will be met from MSEDCL.
- ix. Rooftop rainwater of buildings will be collected in two RWH tank of total 750 m³capacity for harvesting after filtration.
- x. Parking facility for 435 four wheelers is proposed to be provided against the requirement of 387 four wheelers (as per local norms).
- xi. Proposed energy saving measures would save about 23.6 % of power.
- xii. It is not located within 10 km of. Sanjay Gandhi National Park Eco Sensitive areas
- xiii. There is no court case pending against the project
- xiv. The total cost of project is Rs. 89.55 crore.

3.29.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.

- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.30. Proposed construction of Prefab CAT-II & EWS Housing for Delhi Development Authority at pocket-1 B, Sector A1, A4 Narela New Delhi by M/s Delhi Development Authority - Environmental Clearance[F.No.21-180/2014-IA-III]

3.30.1. The PP made a presentation and informed that since the build up area is more than 1,50,000 sqm,the proposal is for seeking ToR. However, inadvertently they have submitted application for EC.Therefore, requested the EAC to consider grant of ToR. .

3.30.2 The Committee has taken into account the submissions of PP and noted that the built up area is more than 1, 50, 000 sqm and therefore, recommended the proposal for grant of ToR with following specific ToRs:

- i. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images.
- ii. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
- iii. Examine baseline environmental quality along with projected incremental load due to the project.
- iv. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- v. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area.
- vi. Submit the details of the trees to be felled for the project.
- vii. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- viii. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- ix. Ground water classification as per the Central Ground Water Authority.
- x. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- xi. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.

- xii. Examine soil characteristics and depth of ground water table for rainwater harvesting.
- xiii. Examine details of solid waste generation treatment and its disposal.\
- xiv. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy efficiency and Conservation of at least 20 % be worked out.
- xv. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- xvi. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
- xvii. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- xviii. Examine the details of transport of materials for construction which should include source and availability.
- xix. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- xx. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.

3.31 Construction of proposed Residential Project on Plot bearing C.S No. 3/147 of Salt Pan Division, F/N Ward, Wadala, Mumbai, by M/s Leading Work Properties Pvt- Ltd - Environmental Clearance [F.No.21-185/2014-IA-III]

3.31.1 The Project Proponent made a presentation and informed that:

- i. The project is located at Plot bearing C.S No. 3/147 of Salt Pan Division, F/N Ward, Wadala, Mumbai, by M/s Leading Work Properties Pvt. Ltd
- ii. The project is a New Residential Project.
- iii. The total plot area is 7, 424.09sqm. FSI area is 12, 668.41 sqm and total construction area of 23, 955.99 sqm. Total 142 flats will be developed (EWS – 20, SALE – 122 + 18 Shops). Maximum height of building is 53.15 m. The total project will comprise of tenant building (EWS): G/St + 7 (pt) floors, sale building (2 Wings):Wing 1: G/St. + 16 Floors, Wing 2: G/St. + 16 Floors, Parking Tower: G/St. + 5 Parking Floors + 5th Club House.
- iv. During construction phase, total water requirement is expected to be 40 KLD which will be met by MCGM/Tankers. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labour.
- v. During operational phase, total water demand of the project is expected to be 108 KLD and the same will be met by the MCGM& Recycled water. Wastewater generated 78 KLD uses will be treated in 1 STP's of total 80KLD capacities. 70 KLD of treated wastewater will be recycled, 33 KLD for flushing, 6 KLD for gardening. About 31 KLD will be disposed into municipal drain.

- vi. About 0.36 TPD solid wastes will be generated in the project. The biodegradable waste 0.22 TPD will be processed in OWC and the Non-Biodegradable waste generated 0.14 TPD will be handed over to authorized local vendor.
- vii. The total power requirement during construction phase is 100KVA and will be met from MSEDCL/DG and total power requirement during operation phase i.e. CL -3827KW and MD – 1898 KW will be met from TATA/Reliance
- viii. Rooftop rainwater of buildings will be collected in 1RWH tanks of total 120 KLD capacity for harvesting after filtration
- ix. Parking facility for 322 four wheelers is proposed to be provided against the requirement of 259.
- x. Proposed energy saving measures would save around 26.50 % of power.
- xi. Project is not located within 10 Km of Eco Sensitive areas.
- xii. There is no court case pending against the project

3.31.2 EAC has received a complaint alleging that the site is near creek/ in salt pan. PP has submitted that the site is in salt division, about 300 m away from creek and major portion is in residential zone and rest is in Special industrial zone. Copy of letter number CHE/1043/DP City/F/N dated 22.03.2013 of MCGM submitted by PP, revealed that the site is not in CRZ. Major portion is in residential zone and rest is in Special Industrial Zone.

3.31.3 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.32. Construction of proposed “SRA Project” on Plot CTS No. 615, 615/1, 615/2, 615/3, 616, 617/1, 617/2, 617/3, 617/4, 617/5, 617/30, 617/69, 617/70, 617/71 & 629 (pt) at Bandra East, Mumbai, by M/s Akruiti GM Joint Venture- Environmental Clearance[F.No.21-186/2014-IA-III]

3.32.1 The Project Proponent made a presentation and informed that:

- i. The project is located at Plot CTS No. 615, 615/1, 615/2, 615/3, 616, 617/1, 617/2, 617/3, 617/4, 617/5, 617/30, 617/69, 617/70, 617/71 & 629 (pt) at Bandra East, Mumbai, by M/s Akruiti GM Joint Venture.

The project is a SRA Project.

Earlier Clearance details, No. 21-22/2007-IA.III dated 20th February, 2008.

The total plot area is 10, 412.71Sq.m. FSI area is 30, 764.45Sq.m and total construction area of 58,537.16 Sq.m. Total 776 flats will be developed (Rehab: 548 flats + 21 Shops + 6 Bal. + 12 Soc.; Sale: 228 flats + 28 Shops). Maximum height of building is 58.50 m. The total project will comprise of

Rehab Building:	Sale Building (3 Wings):
<ul style="list-style-type: none"> • Rehab 1: G + 14 • Rehab 2: G + 16 • Rehab 3: G + 17 • Rehab 4: G + 16 • Rehab 5: G + 16 • School Bldg. 6: G + 6 • Rehab 7: G + 14 	<ul style="list-style-type: none"> • Wing A: 2B + St/Gr. + 18 Floors • Wing B: 2B + St/Gr. + 18 Floors • Wing C: 2B + St/Gr. + 18 Floors • Parking Tower: 2B + 11

- ii. During construction phase, total water requirement is expected to be 40 KLD which will be met by MCGM/Tankers. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labour.
- iii. During operational phase, total water demand of the project is expected to be 566 KLD and the same will be met by the MCGM& Recycled water. Wastewater generated 444 KLD uses will be treated in 2 STP's of total 450KLD capacities. 195 KLD of treated wastewater will be recycled, 191 KLD for flushing, 4 KLD for gardening. About 205 KLD will be disposed into municipal drain.
- iv. About 2.11 TPD solid wastes will be generated in the project. The biodegradable waste 1.28 TPD will be processed in OWC and the Non-Biodegradable waste generated 0.83 TPD will be handed over to authorized local vendor.
- v. The total power requirement during construction phase is 100KVA and will be met from TATA/Reliance/DG and total power requirement during operation phase i.e. CL -8528 KW and MD – 3895 KW will be met from TATA/Reliance
- vi. Rooftop rainwater of buildings will be collected in 8 RWH tanks (40 KL each) of total 320 KLD capacity for harvesting after filtration
- vii. Parking facility for 265 four wheelers is proposed to be provided against the requirement of 254.
- viii. Proposed energy saving measures would save around 26.46 % of power.
- ix. Project is not located within 10 Km of Eco Sensitive areas.
There is no court case pending against the project.

3.32.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.33. Construction of proposed Residential Development at Plot bearing C.S. No. 1/464 at Lower Parel Division at Pandurang Budhkar Marg, Mumbai. Maharashtra by M/s. Siddhi Raj Housing Projects Pvt.-Ltd. - Environmental Clearance

3.33.1 The Project Proponent made a presentation and informed that:

- i. The project is located at 190 00' 19.46" Latitude and 720 49'47.49" Longitude
- ii. The project is Residential development wherein no redevelopment component has been involved
- iii. The total plot area is 4080.30 sqm. The project will comprise of 1 Building with 2 wings. FSI area is 21,281.94 sqm and total construction area of 46,958.27 sqm. Total 134 flats shall be developed. Maximum height of the building up to terrace level is 165.15 m.
- iv. During construction phase, total water requirement is expected to be 12 KLD for workers and 10 -20 KLD for construction purposes which will be met by M.C.G.M. and water tankers respectively. Disposal of waste water will be to existing municipal sewer line. Temporary sanitary toilets will be provided for labour..
- v. During operational phase, total water demand of the project is expected to be 98 KLD and the same will be met 37 KLD by Recycled Water, 60 KLD by the M.C.G.M. and 1 KLD by tanker water of potable quality. Wastewater generated (78 KLD)

will be treated in one STP of 85 KL capacity. 37 KLD of treated wastewater will be recycled (30 KLD for flushing, 07 KLD for gardening). About 33 KLD will be disposed in to municipal drain.

- vi. 0.3 TPD solid wastes will be generated in the project. The biodegradable waste (0.2 TPD) will be processed in OWC and the non-biodegradable waste generated (0.1 TPD) will be handed over to M.C.G.M.
- vii. The total power requirement during construction phase is 100 KW and will be met from BEST and total power requirement during operation phase is 4951 KW and will be met from BEST
- viii. Rooftop rainwater of buildings will be collected in 2 nos. of RWH Tanks of total capacity 80 KL for harvesting after filtration
- ix. Parking facility for 335 four wheelers and 15 two wheelers is proposed to be provided against the requirement of 335 four wheelers and nil two wheelers respectively (according to local norms)
- x. Proposed energy saving measures would save about 20 % of power.
- xi. It is not located within 10 km of Eco Sensitive areas.
- xii. There is no court case pending against the project.
- xiii. Investment/cost of project in Rs 126.85 (in crore).
- xiv. Employment potential: During Construction phase = 150 Nos.
Benefits of the project: Residential development.

3.33.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.34 Construction of proposed Nirmal Lifestyle PH-II at Plot bearing C.T.S.,706, 709-b,710(pt.), 711,712(pt),713, to20,722,724,724/1 to10,729,730/a to e.(new C.T.S. No.706-b/a, 706-b/b, 706-b/c, 706-b/d, 706-b/e- 706 -b/f, 706-b/g- 706 -b/h & 706-b/j &710,762a,763a,764b &c)) of village Nahur at LBS Marg, Mulund (w) Mumbai by M/s Nirmal Lifestyle-Ltd. - Finalization of ToR[F.No.21-189/2014-IA-III]

3.34.1 The Committee deferred the project, since the project proponent did not attend the meeting.

3.35 Revalidation of Environment Clearance for the Residential Project “Tropical Lagoon” at Anand Nagar, Ghodbunder Road, Thane by Soham Real Estate Development Company Pvt. Ltd. [F.No.21-782/20107-IA-III]

3.35.1 The PP made a presentation and informed that:

- i. The project is located at on 19°15'58.49"NLatitude and 72°58'15.57"ELongitude.
- ii. This is revalidation for Environmental Clearance project: Revalidation of Environmental Clearance for the Residential cum commercial Project “Tropical Lagoon” at Plot bearing Sr. No. 242/1(p), 244/16, 240/1(p), 240(p), 239(p), 240/(p), 180 & H. No. 2, 176 H. No. 6, 176 H. No. 8, 178 H. No. 2, 240 H. No. Anand Nagar, Ghodbunder Road, Thane which comes within the limits of Thane Municipal Corporation
- iii. EC received vide letter no. 21-782/2007-1A. III on dt. 10th Nov, 2008. Construction in progress as per EC received.
- iv. The total plot area is 67,760 sqm. The Project comprises of 6 residential building and shops.FSI area is 59,161.74 sqm and total construction area of 1,17,009.22sqm. Total 619 nos of tenements with 30 nos shops will be developed. Maximum height of the building is90.5m.
- v. During construction phase, total water requirement is expected to be60KLD which will be met by tanker water. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labor force
- vi. During operational phase, total water demand of the project is expected to be422 KLD and same will be met by fresh water from TMC and recycled water. Wastewater generated (401 KLD) will be treated in STP of 420KLD capacity. 142 KLD of treated wastewater will be recycled for flushing and 46 KLD recycled water for Gardening. About 209KLD will be disposed in to municipal drain
- vii. About 1566 kg/d solid waste will be generated in the project. The non-biodegradable waste (939 kg/d) will be handed over to authorized local vendor/recyclers. The entire solid waste will be handled as per Municipal Solid Waste (Management and Handling) Rules 2000
- viii. The total power requirement during construction phase is300kVA and will be met from MSEDCL and total power requirement during operation phase is 6 MW (Demand Load) and will be met from MSEDCL
- ix. Rooftop rainwater of buildings will be collected in RWH tank of total 65m³ capacity for harvesting after filtration
- x. Parking facility for 1291four wheelers is proposed to be provided against the requirement of 1246 four wheelers (as per local norms).

- xi. Proposed energy saving measures would save about 24.2% of power.
- xii. It is located within 10 km of. Sanjay Gandhi National Park Eco Sensitive areas
- xiii. There is no court case pending against the project

3.35.2 The EAC noted that the construction of the project was commenced and in progress based on the earlier EC. The PP has requested for revalidation of the EC with minor amendment. Since the validity of EC has lapsed, the Committee considered it as new proposal.

3.35.3 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permission for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 2 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.36 Proposed redevelopment of property bearing C.S. No. 1255, 1256, 1257, 1258,1260, 1261, 1262, 1263, 1264, 1265, 1308, 1309, 1310 & 1311 of Byculla, Div., situated at Shaikh Burhan Kamruddin Street, Temkar Street E Ward, Mumbai, Maharashtra by M/s Mohd. Hussain Jalaluddin Nirban-Environmental Clearance[F.No.21-192/2014-IA-III]

3.36.1 The Project Proponent made a presentation and informed that:

- i. The project is located at Latitude : 18° 57'47.21" N & Longitude :72° 49'52.95"E
- ii. Proposed redevelopment of property bearing C.S. No. 1255, 1256, 1257, 1258,1260, 1261, 1262, 1263, 1264, 1265, 1308, 1309, 1310 & 1311 of Byculla,

Div., situated at Shaikh Burhan Kamruddin Street , Temkar Street E-Ward , Mumbai, Maharashtra.

- iii. FSI area – 8910.94 sqm, Non FSI area – 10109.69 sqm, Total Constructed area – 19020.63 sqm, letter received from additional chief secretary, Environmental Department Maharashtra dated: 14/8/2014 that there is no case of violation as prescribed in the EIA Notification 2006.
- iv. Total plot area is 1725.40 sqm, FSI area will be 14552.49 sqm and total construction area will be 30068.09 sqm. 2 nos. of buildings shall be developed – (Building 1 comprises of Ground + 1st to 5th parking floors +6th to 39th residential floors and Building 2 comprises of basement (pt) + Ground +1st to 3rd parking floors +4th to 18th residential floors). Total Rehab residential tenements will be 206 nos. total rehab shops will be 22 nos, total sale residential tenements will be 76 nos. Height of Building-1 will be 129.75m and Height of Building 2 will be 59.49 m.
- v. During construction phase approximately 100 KLD of water will be required for the construction activities. However the total requirement of the water may vary depending upon the construction activities.
- vi. During operational phase, total water demand of the project is expected to be 195 KLD which will be met by the MCGM/Recycled Water/RWH. Wastewater generated (181 KLD) uses will be treated in STPs of 200 KLD capacity. 162 KLD of treated wastewater will be recycled (65 for flushing, 2 for gardening). About 95 KLD will be disposed in to municipal drain. Total Sludge quantity generated will be 11kg.
- vii. About 0.722 TPD solid wastes will be generated in the project. The biodegradable waste (0.428 TPD) will be processed in OWC and the non-biodegradable waste generated (0.294 TPD) will be handed over to authorized local vendor.
- viii. The total power requirement during construction phase is 100 kW and will be met from BEST and total power requirement during construction phase is 912 kW and will be met from BEST.
- ix. Two DG sets of capacity 125 kVA and 180 kVA are proposed to be provided.
- x. Rooftop rainwater of buildings will be collected in RWH tanks of total 24 cum capacity for harvesting after filtration.
- xi. Parking facility for 123 four wheelers is proposed to be provided against the requirement of 123 (according to local norms).
- xii. Proposed energy saving measures would save about 23 % of power.
- xiii. The cost of the project is Rs. 37.81 Crore.
- xiv. Benefits of the project: Proposed development will provide quality and residential accommodation to the people will also help in increase in living standards of the local residents.

3.36.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- xii. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.

- xiii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- xiv. Solid waste shall be collected, treated and disposed according to rules.
- xv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- xvi. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- xvii. Parking facility with clear 6 m driveway shall be provided as committed.
- xviii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- xix. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- xx. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- xxi. D.G set shall be at least 6 m away from the boundary.
- xxii. Temporary toilets will be provided for all construction labour.

3.37. Construction of proposed “Ashar IT Park Project” at Plot Bearing Survey No. 254 (pt.), 256(pt.), 277(pt.), 278(pt.), 279(pt.) & Plot D2, Village Panchpakhadi of 16th Road, Wagle Estate, Thane (West), Maharashtra by M/s Ashar Realators- Environmental Clearance[F.No.21-196/2014-IA-III]

3.37.1 The Proponent made a presentation and informed that:

- i. The project is located at 19⁰ 11'49.97"N Latitude and 72⁰ 57'18.34"E Longitude.
- ii. The project is an amendment and expansion of project.
- iii. Earlier Environmental Clearance was granted for existing IT park by MoEF on 08/12/2009 vide file no. 21-498/2007-IA.III. Presently application was made for EC of amended part.
- iv. The total area of amalgamated plot is 36,438.81 sqm. FSI area is 71,058.93 sqm and total BUA area of 1,28,109.80sqm.
- v. The project will comprise Building No.1: I.T Building (Wing A& B), Basement + Ground/Stilt + 1st to 11th floors. Building No.2: I.T. Building (Wing A): Ground + 1st to 7th Floors, Residential Building. Wing B, C, D: Stilt + 1st&2nd floor (Resi. Flat + Podium) + 3rd to 21st Residential Floors, Wing E: Stilt + 1st& 2nd floor (Resi. Flat + Podium) + 3rd to 10th Residential Floors. Total Number of Flats (i) Building No.1 : Total I.T. Offices: 8,999.42 sqm (ii) Building No.2 : Total residential Flats: 347, Total I.T. Offices: 3,167.97 sqm. Maximum height of building will be 67.20 m.
- vi. During construction phase, total water requirement is expected to be 35 m³/day which will be met by Tanker / MIDC supply. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labor.
- vii. During operational phase, total water demand of the project is expected to be 283 KLD and the same will be met by the MIDC water supply and recycled

water. Total wastewater generated from project is 260 KLD which will be treated separately in two STP's. For treatment existing STP of 300 KLD is upgraded with 30 KLD additional capacity and new STP of 230 KLD capacity is provided for new building no. 2. Daily 90 KLD of treated wastewater will be recycled for flushing and 8 KLD for gardening and remaining 117 KLD will be disposed in to municipal drain.

- viii. About 1197.05 kg/day solid waste will be generated in the project. The biodegradable waste (718.3 kg/day) will be will be processed in Organic Waste Processor (OWP) and non-biodegradable waste (478.8 kg/day) will be handed over to authorized local vendor
- ix. The total power requirement during construction phase is 100 KW and total power requirement during operation phase for amendment part is 2,156 KW. Total power requirement of will be met from MSEDCL
- x. In existing building no. 1 recharge pits are provided for rain water harvesting and in proposed building no.2 one RWH tank of 40 m³ capacity will be provided
- xi. Parking facility for 1061 four wheelers is proposed to be provided.
- xii. Proposed energy saving measures would save about 24 % of power.
- xiii. It is located/not located within 10 km of Eco sensitive areas.
- xiv. There is no court case pending against the project.
- xv. Investment/Cost of the project is Rs. 99 Crores.
- xvi. Employment potential: During operation phase the project will provide direct or indirect employment to around 100 local labors. While during operation phase around 316 peoples will be employed as office staff in amended part of existing IT park.
- xvii. Benefits of the project: Project will provide direct and indirect employment opportunity. Also it will set precedents for further development of transport, communication, infra-structure and other development in the area.

3.37.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.

- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.38. Construction of proposed “Amar Harmony” at Plot No. 22, Sector -4, Taloja, Raigad, Maharashtra by M/s Shri GamiInfotech Pvt. Ltd- Environmental Clearance[F.No.21-200/2014-IA-III]

3.38.1 The Project Proponent made a presentation and informed that:

- i. The project is located at 19° 4' 47.55"N Latitude and 73° 5' 33.85"E longitude.
- ii. The project is new.
- iii. The total plot area is 9299.640 sqm. The project will comprise of 1 Building having 2 wings. FSI area is 13948.07 sqm and total construction area of 36604.56 sqm. Total 388 flats shall be developed. Maximum height of the building is 63.44 m.
- iv. During construction phase, total water requirement is expected to be 50 KLD which will be met by CIDCO tanker water. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided construction labor.
- v. During operational phase, total water demand of the project is expected to be 279 KLD and the same will be met by the CIDCO Recycled Water. Wastewater generated (201 KLD) uses will be treated in STPs of total 324 KLD capacity. 201 KLD of treated wastewater will be recycled (97 for flushing, 24 for gardening). About 83 KLD will be disposed in to municipal drain.
- vi. About 0.90 TPD solid wastes will be generated in the project. The biodegradable waste (0.54 TPD) will be processed in OWC and the non-biodegradable waste generated (0.36 TPD) will be handed over to authorized local vendor.
- vii. The total power requirement during construction phase is 75 KVA and will be met from DG set and total power requirement during cooperation phase is 2422 KVA and will be met from MSEDCL.
- viii. Rooftop rainwater of buildings will be collected in RWH tanks of total 414 KLD capacity for harvesting after filtration.
- ix. Parking facility for 200 four wheelers is proposed to be provided against the requirement of 175 (according to local norms).
- x. Proposed energy saving measures would save about 20.01 % of power.
- xi. It not located within 10 km of Eco Sensitive areas
There is no court case pending against the project.

3.38.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by

- the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
 - iii. Solid waste shall be collected, treated and disposed according to rules.
 - iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
 - v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
 - vi. Parking facility with clear 6 m driveway shall be provided as committed.
 - vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
 - viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
 - ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
 - x. D.G set shall be at least 6 m away from the boundary.
 - xi. Temporary toilets will be provided for all construction labour.

3.39. Proposed construction of residential cum commercial project “VEIWS” at CTS No. 27A, 27B, 27C, 27D, 27E, 27F and 502 of Wadhavali village, Chembur, Mumbai by M/s Gurunanak Construction - Environmental Clearance[F.No.21-202/2014-IA-III]

3.39.1 The Proponent made a presentation and informed that:

- i. The project is located at on'19°02"43.98"N Latitude and'72°53"51.37"E Longitude.
- ii. The project is redevelopment of residential cum commercial project on plot bearing C. T. S. No. 27A, 27B, 27C, 27D, 27E, 27F and 502 of Wadhavali Village, Dr. C. Gidwani Road, Chembur Mumbai which comes under the Municipal Corporation of Greater Mumbai.
- iii. Construction work started as per previous EC received vide letter no. SEAC-2010 CR-339 /TC-2 dated 15.10.2010.
- iv. The total plot area is 8767.30 sqm. The Project comprises of 3 Rehab buildings.FSI area is 26,301.9 sqm and total construction area of 78,199.10 sqm. Total 1111 flats, commercial area, Dispensary and Post office will be developed. Maximum height of the building is 69.20 m.
- v. During construction phase, total water requirement is expected to be 40 KLD which will be met by tanker water. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labour.
- vi. During operational phase, total water demand of the project is expected to be 798 KLD and same will be met by fresh water from MCGM and recycled water. Wastewater generated (745 KLD) will be treated in STP of 800 KLD capacity. 268

- KLD of treated wastewater will be recycled for flushing and 9 KLD recycled water for Gardening. About 460 KLD will be disposed in to municipal drain.
- vii. About 2861 kg/d solid waste will be generated in the project. The non-biodegradable waste generated (1144 kg/d) will be handed over to authorized local vendor/recyclers. The entire solid waste will be handled as per Municipal Solid Waste (Management and Handling) Rules 2000. Biomedical Waste Generation will be 17 kg/d which will be handed over to MPCB authorized agency for safe disposal.
 - viii. The total power requirement during construction phase is 350 kVA and will be met from Tata/Reliance and total power requirement during operation phase is 4.2 MW and will be met from Tata/Reliance.
 - ix. Rooftop rainwater of buildings will be collected in two RWH tank of total 125 m3 capacity for harvesting after filtration.
 - x. Parking facility for 147 four wheelers and 450 nos. of two wheelers is proposed to be provided against the requirement of 72 four wheelers (as per local norms).
 - xi. Proposed energy saving measures would save about 22 % of power.
 - xii. It is not located within 10 km of. Sanjay Gandhi National Park Eco Sensitive areas
 - xiii. There is no court case pending against the project
 - xiv. PP submitted certificate on structural stability

3.39.2 The Committee after detailed deliberations recommended the proposal for grant of Environmental Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.40 Proposed construction of 'Residential cum Commercial Complex' on plot bearing S. No S. No. 73/1,2,3,4 and 5 S. No. 74/1,2,3 and 5, S.No .75/10(P) S.No .78/1,2(P),3 and 4, S.No.80/1,2,3(P),4(P),6(P),11(P), 13(P), 16(P) and 17(P) S.No. 82/1(P), 2, 3 and 4(P), S. No 83 at Kolshet, Thane (W) by M/s. Mahadeo Constructions Pvt.-Ltd. - Environmental Clearance[F.No.21-203/2014-IA-III]

3.40.1 The Project Proponent made a presentation and informed that:

- i. The project is located at 19°14'27.50"N Latitude and 72°58'56.73"E longitude.
- ii. The project was accorded Environmental Clearance vide letter no. 21-158/2006-IA-III dated 02.04.2007. This is an expansion project. G+1 constructed however, the foundation was provided for G+27 anticipation of additional ToR. Copy of the stability certificate by consulting engineer was submitted.
- iii. The total plot area is 91976 sqm. The project will comprise of 17 nos. Buildings. FSI area is 49607.34 sqm. (after expansion) and total construction area of 81,737.36 sq.m (after expansion). Total 368 flats have been developed as per the previous EC. There will be total 449 flats after expansion. Maximum height of the building is 91.05 m.
- iv. During construction phase, total water requirement is expected to be 20 KLD which will be met by Tankers. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labor force.
- v. During operational phase, total water demand of the project is expected to be 360 KLD and the same will be met by the TMC/Recycled Water. Wastewater generated (294 KLD) uses will be treated in STP of capacity 310 KLD capacity. Treated wastewater will be recycled (122 KLD for flushing, 30 KLD for green belt development). About 143 KLD will be disposed in to municipal drain.
- vi. About 2086 Kg/Day solid waste will be generated in the project. The biodegradable waste (1251Kg/Day) will be processed in OWC and the non-biodegradable waste generated (835 Kg/Day) will be handed over to authorized local vendor.
- vii. The total power requirement during construction phase is 100 kVA which will be met from Reliance energy and total power requirement during cooperation phase is 1515 kVA after expansion which will be met from Reliance energy.
- viii. Rooftop rainwater of buildings will be collected in 2 RWH tanks of total 26 cum capacity for harvesting after filtration.
- ix. Parking facility for 953 four wheelers and 755 two wheelers is proposed to be provided after expansion.
- x. It located is not located within 10 km of any Eco Sensitive areas.
- xi. There is no/court case pending against the project.
- xii. Investment/Cost of the project is Rs. 138.50 Crore.

3.40.2 The committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The structural stability for G+27 to be verified by the local authority before grant of building permission.

- ii. PP shall submit the information for obtaining clearance from NBWL
- iii. Dust control measures like water suppression, netlong around the building shall be provided.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- v. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- vi. Solid waste shall be collected, treated and disposed according to rules.
- vii. PP shall comply with the conditions of NOC/ Clearance obtained from Fire Department.
- viii. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- ix. Parking facility with clear 6 m driveway shall be provided as committed.
- x. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- xi. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- xii. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- xiii. D.G set shall be at least 6 m away from the boundary.
- xiv. Temporary toilets will be provided for all construction labour.

3.41 Proposed construction “Aakash Healthcare” (Hospital project) at Main Road, Sector-3, Dwarka, New Delhi by M/s Aakash Healthcare Pvt. Ltd- Environmental Clearance[F.No.21-204/2014-IA-III]

3.41.1 The Project Proponent made a presentation and informed that:

- i. The project is located at '28°36'9.008"N Latitude and, '77°03'1.808"E Longitude.
- ii. The total plot area is 6,000.00 sqm. The project will comprise of Hospital Building. FSI area is 11,642.21 sqmand total construction area of 23,059.43sqm. Total 200 beds shall be provided. Maximum height of the building is 35.8 m. During construction phase, total water requirement is expected to be 115 ML which will be met by private water tanker. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labour.
- iii. During operational phase, total water demand of the project is expected to be 266 KLD and the same will be met by the Delhi Jal Board (DJB). 24 KLD of recoverable water from STP out of which 10 KLD will be used for flushing while 14 KLD will be used for landscape (During non-rainy season) or HVAC (During rainy season). For HVAC Cooling 117 KLD and 103 KLD fresh water will be provided during non-rainy season and rainy season respectively. The effluent

- wastewater will be treated in the ETP capacity of 90 KLD generating 62 KLD, this recoverable water will be discharged into sewer line.
- iv. About 0.49 TPD solid waste will be generated in the project. The biodegradable waste (0.215 TPD) will be processed in OWC and the non-biodegradable waste generated (0.107 TPD) will be handed over to authorized local vendor. 0.119 TPD Bio medical waste will be generated.
 - v. The total power requirement during construction phase is as per the requirement and will be met from BSES and total power requirement during operation phase is 2,295.21 kVA and will be met from BSES.
 - vi. Rooftop rainwater of buildings will be collected in 2 RWH pits of total 2,662.56 KLD capacity for harvesting after filtration.
 - vii. Parking facility 321 ECS for four wheelers and two wheelers is proposed to be provided against the requirement of 100 ECS (as per MoEF) and 240 ECS (as per DDA Norms) respectively (according to local norms).
 - viii. Proposed energy saving measures would save about 18% of power.
 - ix. It is not located within 10 km of Eco Sensitive areas
 - x. There is no court case pending against the project.
 - xi. Investment/Cost of the project is Rs. 187.53 Crores.
 - xii. Employment potential: During Construction-200 Labours employment & During Operational-175 Staff (Doctors + Nurses) X 3 shifts.
 - xiii. Benefits of the project: Medical Facilities

3.41.2 The EAC after deliberation recommended for grant of Environmental Clearance with the following specific conditions:

- i. Authorization from PCB shall be obtained as applicable under Bio-Medical Waste (Management and Handling) Rules, 1998 as amended.
- ii. The bio-Medical wastes shall be managed in accordance with the Bio-Medical Waste (Management and Handling) Rules, 1998 as amended.
- iii. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring reports.
- iv. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- v. Solid waste shall be collected, treated and disposed according to rules.
- vi. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- vii. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- viii. Parking facility with 6 m clear driveway shall be provided as committed.
- ix. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- x. Parking facility for taxi and three wheelers to be provided within the premises taking care for movement of patients and elderly.
- xi. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.

- xii. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- xiii. D.G set shall be at least 6 m away from the boundary.
- xiv. Temporary toilets will be provided for all construction labour.

3.42. Proposed implementation of SRA and construction of MHADA & sale residential building at Nityanand coop housing society, CTS No. A-791 (pt) of village Bandra, A Block, Mumbai by M/s Wizard Construction (I) Pvt- Ltd - Environmental Clearance[F.No.21-205/2014-IA-III]

3.42. The Project made a presentation and informed that:

- i. The project is located at on'19°02"52.36"N Latitude and'72°49"40.81"E Longitude.
- ii. Proposed construction under Slum Rehabilitation Scheme (SRA), MHADA & Sale residential project at Nityanand Co. Op. Housing Society (Slum) C.T.S. No. A 791(PT), of Village Bandra, Bandra Reclamation, A Block, BKC, Mumbai. which comes under the Municipal Corporation of Greater Mumbai.
- iii. It's SRA project. Construction work not yet started
- iv. The total plot area is 16098.21 sqm. The Project comprises of SRA, MHADA & Sale buildings. FSI area is 48,294.63 sqm and total construction area of 1,16,664.94sqm. Total 900 flats of SRA, 192 flats of MHADA & 44 flats of Sale will be developed. Maximum height of the building is 96.5 m.
- v. During construction phase, total water requirement is expected to be 50 KLD which will be met by tanker water. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labour.
- vi. During operational phase, total water demand is expected to be 767 KLD and same will be met by fresh water from MCGM and recycled water from STP for flushing. Wastewater generated (716 KLD) will be treated in STP of 750 KLD capacity. 256 KLD of treated wastewater will be recycled for flushing and 13 KLD recycled water for Gardening. About 440 KLD will be disposed in to municipal drain.
- vii. About 2840 kg/d solid waste will be generated in the project. The non-biodegradable waste generated (1136 kg/d) will be handed over to authorized local vendor/recyclers and the entire solid waste will be handled as per Municipal Solid Waste (Management and Handling) Rules 2000
- viii. The total power requirement during construction phase is 400 kVA and will be met from Tata/Reliance and total power requirement during operation phase is 5.2 MW and will be met from Tata/Reliance.
- ix. Rooftop rainwater of buildings will be collected in one RWH tank of total 150 m³capacity for harvesting after filtration.
- x. Parking facility required as per rule is 162 nos. for Sale building and 160 nos. for MHADA building The same nos. of parking will be provided. and 500 nos. of two wheelers is proposed.
- xi. Proposed energy saving measures would save about 22.3 % of power.

- xii. It is not located within 10 km of. Sanjay Gandhi National Park Eco Sensitive areas.
- xiii. There is no court case pending against the project

3.42.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- (i) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- (ii) The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- (iii) Solid waste shall be collected, treated and disposed according to rules.
- (iv) PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- (v) The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- (vi) Parking facility with clear 6 m driveway shall be provided as committed.
- (vii) All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- (viii) The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- (ix) The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- (x) D.G set shall be at least 6 m away from the boundary.
- (xi) Temporary toilets will be provided for all construction labour.

4.43 Proposed redevelopment of residential buildings of the Staff of Rashtriya Chemicals & Fertilizers Ltd. at Plot bearing C. T. S 113, 114, 115, 115/1 to 3 and 116, 116/1 to 78 of Maravali village, Chembur, Mumbai, Maharashtra by M/s Rashtriya Chemicals & Fertilizers Ltd.- Environmental Clearance [F.No.21-209/2014-IA-III]

4.43.1 The Proponent made a presentation and informed that:

- i. The project is located at 19°02'13.19"N Latitude and 72°53'45.62"E Longitude.
- ii. The proposed Redevelopment of Residential Buildings of the staff of Rashtriya Chemicals & Fertilizers Ltd. Company at Maravali village, Chembur, Mumbai, Maharashtra. The project is located in the limits of Municipal Corporation of Greater Mumbai (MCGM).
- iii. The total plot area is 50,240.50 sqm. The Project comprises of 16 Residential buildings. Built up area is 32,363.52 sqm. Total 448 flats will be developed. Maximum height of the building is 23.65 m.

- iv. During construction phase, total water requirement is expected to be 55 KLD which will be met by tanker water. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labour.
- v. During operational phase, total water demand of the project is expected to be 302 KLD and same will be met by fresh water from MCGM and recycled water. Wastewater generated (282 KLD) will be treated in existing STP of RCF of 22.75 MLD capacity. 160 KLD of treated wastewater will be recycled (101 KLD for flushing, 59 KLD for gardening).
- vi. About 1120 kg/d solid waste will be generated in the project. The entire solid waste will be handled as per Municipal Solid Waste (Management and Handling) Rules 2000.
- vii. The total power requirement during construction phase is 150 kVA and will be met from Tata Power and total power requirement during operation phase is 2.8 MW and will be met from Tata Power.
- viii. Rooftop rainwater of buildings will be collected in RWH tank of total 200 m³ capacity for harvesting after filtration.
- ix. Parking facility for 560 four wheelers is proposed to be provided against the requirement of 560 four wheelers (as per local norms).
- x. Proposed energy saving measures would save about 22.40 % of power.
- xi. It is not located within 10 km of. Eco Sensitive areas
- xii. There is no court case pending against the project.

4.43.2 The committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.48 Proposed construction of residential and convenience shopping complex at C.S. No. 6 (pt), Sion, Mumbai, Maharashtra by M/s Pilot Construction Pvt. Ltd. - Environmental Clearance [F.No.21-30/2015-IA-III]

3.48.1 The Proponent made a presentation and informed that:

- i. The project is located at 19°2'24.89"N Latitude and 72°51'50.41"E longitude. The project is new / redevelopment: Redevelopment (Amalgamation of Shiv Koliwada CHS Ltd).
- ii. Environmental Clearance was obtained for Shiv Koliwada CHS Ltd. vide letter No.21-1060/2007/IA-III dated 17th August, 2009.
- iii. As per earlier granted EC, Rehab building No.01 was already constructed and occupied by tenants & the RCC work of Rehab building No.02 was completed & finishing works are in progress. The Akar CHS Ltd. is having plot area 13,388.90sqm, is occupied by hutments & old houses built by MCGM prior to 1940 and occupied by municipal tenants.
- iv. Presently PP has started shifting the slum dwellers to transit accommodation on rent & clearing the area for construction of Rehab building No.06. The total plot area is 27,509.90 sqm. The project will comprise of 10 Buildings. F.S.I area is 65,007.80 sqm and total construction area of 2,03,386.098sqm. Total 784 nos. of rehab flat, 6 nos. of Residential cum commercial flat, 329 nos. of sale flats and 46 nos. of shops shall be developed. Maximum height of the building is 118.90m.
- v. During construction phase, total water requirement is expected to be 30 KLD which will be met by Tankers. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labour. During operational phase, total water demand of the project is expected to be 848 KLD which will be met by the 558 KLD fresh water from MCGM and 290 KLD of Recycled Water. Wastewater generated (738 KLD) will be treated in 5 STPs of total 738 KLD capacities. 339 KLD of treated wastewater will be recycled (290 KLD for flushing, 49 KLD for gardening). About 325 KLD will be disposed in to municipal drain.
- vi. About 5.92 TPD solid wastes will be generated in the project. The biodegradable waste (3.68 TPD) will be processed in OWC (mechanical Ecobiocompack unit) and the non-biodegradable waste generated (2.24 TPD) will be handed over to authorized local vendor.
- vii. The total power requirement during construction phase is 500 KVA and will be met from BEST power supply and total power requirement during operation phase is 7.4 MW and will be met from BEST power supply.
- viii. Roof top rainwater of buildings will be collected in 9RWH tanks of total 301KLD capacity for harvesting after filtration.
- ix. Parking facility for 719 four wheelers is proposed to be provided against the requirement of 709 (according to local norms).
- x. Proposed energy saving measures would save about 19% of power.
- xi. It is not located within 10 km of Eco Sensitive areas
- xii. There is no court case pending against the project.
- xiii. Investment/Cost of the project is Rs 919 crore.
- xiv. Employment potential: 150 nos during construction phase.
- xv. Benefits of the project: rain water harvesting, green belt development, use of renewable energy and recycling of treated water

3.48.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The Debris including asbestos shall be sent to the authorised disposal sites after entering in to a proper MoU.
- ii. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- iii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iv. Solid waste shall be collected, treated and disposed according to rules.
- v. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- vi. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vii. Parking facility with clear 6 m driveway shall be provided as committed.
- viii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- ix. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- x. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- xi. D.G set shall be at least 6 m away from the boundary.
- xii. Temporary toilets will be provided for all construction labour.

3.45 Proposed construction of Group Housing Colony at Village Bahapur, Industrial area, Mathura Road, Delhi by M/s SSP Buildcon Pvt. Ltd. - Environmental Clearance

3.45.1 The Proponent made a presentation and informed that:

- i. The project is located at 28° 33' 16"N latitude & 77° 16' 17"E longitude
- ii. The total plot area is 20,140.24 sqm. Total built up area is 99,149 sqm. Total commercial area is 8,957sqm, club area is 3,374 sqm, and EWS area is 9,009 sqm.
- iii. During construction phase, total water requirement is expected to be 496 ML which will be met by private water tanker. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labor.
- iv. During operational phase, total water demand of the project is expected to be 427 KLD and the same will be met by the Delhi Jal Board (DJB). 214 KLD of recoverable water from STP out of which 83 KLD will be used for flushing while 59 KLD will be used for landscape (During non-rainy season) or HVAC (During rainy season). For HVAC Cooling 72 KLD recycled water will be provided during

- non-rainy season and rainy season. The effluent wastewater will be treated in the ETP capacity of 300 KLD.
- v. About 1,305 Kg/Day solid waste will be generated in the project. The biodegradable waste (783 Kg/Day) will be processed in OWC and the non-biodegradable waste generated (522 Kg/Day) will be handed over to authorized local vendor.
 - vi. The total power requirement during operation phase is 4,264 KVA and will be met from BSES.
 - vii. Rooftop rainwater of buildings will be collected in 5 RWH pits for harvesting after filtration.
 - viii. Parking facility: Total parking required as per MoEF is 657 ECS and as per Delhi bye laws is 1370 ECS. Total parking proposed is 1371ECS.
 - ix. Proposed energy saving measures would save about 20% of power.
 - x. Okhla Bird Sanctuary is located at 4.04 km East and Yamuna River is at 2.7 Km East.
 - xi. There is no court case pending against the project.
 - xii. Investment/Cost of the project is Rs. 225 Crores.

3.45.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.46 Proposed construction of Residential and Commercial project at S. No. 1 to 11, 14 pt, 15 to 20, 21pt, 23 to 27, 29 to 50, 52 to 89, 91 to 100, 104, 181, 184, 185, 190, 191, 192, Rajawali village, Taluka: Vasai, District: Thane by

M/s Sai Rydam Realtors Pvt. Ltd. – Finalization of ToR - [F.No.21-212/2014-IA-III]

3.46.1 The Proponent made a presentation and informed that:

- i. The project is located at on'19°22"59.51"N Latitude and'72°50"59.05"E Longitude.
- ii. The project is new in residential and commercial project at Village: Rajawali, Tal: Vasai, Dist: Palghar. State: Maharashtra which comes under the Vasai Virar City Municipal Corporation.
- iii. Construction of the project is not been started.
- iv. The total plot area is 16,64,798sqm. The proposed project comprises of a 50 residential building. FSI area is 16,53,259.63sqm and total construction area of 22,31,900.50sqm. Total 42,600 nos. flats will be developed. Maximum height of the building is 69.9 m.
- v. During construction phase, total water requirement is expected to be 45 KLD which will be met by tanker water. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labour.
- vi. During operational phase, total water demand of the project is expected to be 28,755 KLD and same will be met by fresh water from VVCMC and recycled water. Wastewater generated (26,838 KLD) uses will be treated in STP of 280 KLD capacity. 102 KLD of treated wastewater will be recycled for flushing and 36 KLD recycled water for Gardening. About 59 KLD will be disposed in to municipal drain.
- vii. About 1,06,500 kg/d solid waste will be generated in the project. The non-biodegradable waste (42,600 kg/d) will be handed over to authorized local vendor/recyclers. The entire solid waste will be handled as per Municipal Solid Waste (Management and Handling) Rules 2000.
- viii. The total power requirement during construction phase is 150 kVA and will be met from MSEDCL and total power requirement during operation phase is 48,100 MW and will be met from MSEDCL.
- ix. Rooftop rainwater of buildings will be collected in RWH tank of total 2100m3 capacity for harvesting after filtration.
- x. Parking facility for 19,050 four wheelers & 42,600 Two Wheelers is proposed to be provided against the requirement of 19,050 four wheelers & 42,600 Two Wheelers respectively (as per local norms).
- xi. Proposed energy saving measures would save about 22.4 % of power.
- xii. It is located within 10 km of. Sanjay Gandhi National Park Eco Sensitive areas
- xiii. There is no court case pending against the project

4.46.2 The Committee after detailed deliberations recommended the proposal for grant of ToR with following specific ToRs:

- i. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images.
- ii. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.

- iii. Examine baseline environmental quality along with projected incremental load due to the project.
- iv. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- v. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area.
- vi. Submit the details of the trees to be felled for the project.
- vii. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- viii. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- ix. Ground water classification as per the Central Ground Water Authority.
- x. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- xi. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- xii. Examine soil characteristics and depth of ground water table for rainwater harvesting.
- xiii. Examine details of solid waste generation treatment and its disposal.
- xiv. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy efficiency and Conservation of at least 20 % be worked out.
- xv. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- xvi. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
- xvii. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- xviii. Examine the details of transport of materials for construction which should include source and availability.
- xix. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- xx. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.

3.47 Proposed construction of residential cum Commercial Project with MCGM Parking Lot at C.T.S. No. 358/11 to 25 of village Bhandup at L.B.S. Marg, Bhandup (W) 'S-ward', Mumbai by M/s WMI Real Estate Developers Pvt. Ltd. – Finalization of ToR -[F.No.21-213/2014-IA-III]

3.47. The Proponent made a presentation and informed that:

- i. The project is located at 19°09'09.82"N Latitude and 72°56'40.09"E Longitude.
- ii. The project is New : The proposed Residential cum Commercial Project with MCGM Parking Lot at Bhandup (W) 'S-ward', Mumbai. The project is located in the limits of Municipal Corporation of Greater Mumbai (MCGM).
- iii. The total plot area is 31,853.20 sqm. The Project comprises of 5 Residential Buildings with Shops and MCGM parking lot. FSI area is 80,679.68 sqm and total construction area of 1,69,323.24sqm. Total 982 flats and commercial area will be developed. Maximum height of the building is 146.05 m.
- iv. During construction phase, total water requirement is expected to be 120 KLD which will be met by tanker water. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labour.
- v. During operational phase, total water demand of the project is expected to be 669 KLD and same will be met by fresh water from MCGM and recycled water for flushing from STP. Wastewater generated (625 KLD) uses will be treated in STP of 650 KLD capacity. 259 KLD of treated wastewater will be recycled (225 KLD for flushing, 34 KLD for gardening). About 359 KLD will be disposed in to municipal drain.
- vi. About 2483 kg/d solid waste will be generated in the project. The non-biodegradable waste generated will be handed over to authorized local vendor/recycler. The entire solid waste will be handled as per Municipal Solid Waste (Management and Handling) Rules 2000.
- vii. The total power requirement during construction phase is 300 kVA and will be met from MSEDCL and total power requirement during operation phase is 6.7 MW and will be met from MSEDCL.
- viii. Rooftop rainwater of building will be collected in 140 m³ RWH tank for harvesting after filtration.
- ix. Parking facility for 1268 Nos of four wheelers and MCGM parking facility for 197 Nos of four wheeler is proposed to be provided.
- x. Proposed energy saving measures would save about 21% of power.
- xi. It is located within 10 km of. Eco Sensitive areas
- xii. There is no court case pending against the project.

3.47.2 The Committee after detailed deliberations recommended the proposal for grant of ToR with following specific ToRs:

- i. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images.
- ii. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
- iii. Examine baseline environmental quality along with projected incremental load due to the project.
- iv. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- v. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area.
- vi. Submit the details of the trees to be felled for the project.

- vii. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- viii. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- ix. Ground water classification as per the Central Ground Water Authority.
- x. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- xi. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- xii. Examine soil characteristics and depth of ground water table for rainwater harvesting.
- xiii. Examine details of solid waste generation treatment and its disposal.
- xiv. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy efficiency and Conservation of at least 20 % be worked out.
- xv. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- xvi. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
- xvii. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- xviii. Examine the details of transport of materials for construction which should include source and availability.
- xix. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- xx. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.

3.48. Proposed expansion of SPA Towers at Mazagaon, survey No. from 1/367 to 366, Dholakwala Chawl, Shivdas Chapsi Marg, opp. Sale Tax office, Maharashtra by M/s Vardhaman Developers & Realtors JV- Environmental Clearance [F.No.21-214/2014-IA-III]

3.48.1 The Project Proponent made a presentation and informed that:

- i. The project is located at Latitude: 18° 58'09.66" N; Longitude: 72°50'23.10" E.
- ii. This is an expansion project The project got environmental clearance on 25th March, 2014 vide Letter No. SEAC-2013/CR- /TC-1 for total Construction B.U.A of 30,248.82 sqm.No construction work has been started till date. Stay on 5434 sqm area has been lifted by SC vide letter dated 25.04.2014 and hence, the proposed for expansion.
- iii. The total plot area is 12,526.56 sqm. FSI area is 49,677.33 sqm and total construction area of 1, 19,378.03 sqm. The project will comprise of 2 buildings. The proposed project will comprise rehabilitation building :Building No. 1 (Wing

- A: Stilt + 17th floor (rehab), Wing B : Stilt + 20th floor (municipal staff quarters & MCGM), Wing C : Stilt + 5th floor (municipal primary school) and Wing D : Stilt + 5th floor (private school). Sale building :Building No. 2 (Wing A :2 Basements + Stilt (part Commercial) + 1st floor (commercial Rehab) + 2nd to 8th floor podiums + 9th Stilt + 10th to 60th floor residential user, Wing A1: 1 Basement + Stilt (Part Commercial) + 1st floor (Commercial Rehab) + 2nd to 8th floor podiums + 9th stilt + 10th to 60th floor residential user and Wing B : 2 Basements + Ground Floor + 1st to 4th (part) floor for commercial). Total 449 Nos. of flats, 46 Nos. of Shops and 2 nos. of Schools shall be developed. Maximum height of the building is 212.20 m.
- iv. During construction phase, total water requirement is expected to be 12.00 KLD for Construction Worker & 10-20 KLD for construction activity which will be met by Potable Tanker Water. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labour force.
 - v. During operational phase, total water demand of the project is expected to be 378 KLD. Domestic water requirement is 228 KLD which will be met by M.C.G.M./RWH.
 - vi. Wastewater generated of 325 KLD (Rehabilitation: 111 KLD & Sale:214 KLD) uses will be treated in STPs of total 140 KLD capacity for Rehabilitation Bldgs. & 245 KLD capacity for Sale Bldgs. 150 KLD of treated wastewater will be recycled (133 KLD for flushing, 7 KLD for gardening & 10 KLD for Car Washing). About 143 KLD will be disposed in to municipal drain.
 - vii. About 1.26 TPD solid wastes will be generated in the project. The biodegradable waste (0.78TPD) will be processed in OWC and the non biodegradable waste generated (0.48TPD) will be handed over to authorized local vendor.
 - viii. The total power requirement during construction phase will be met from local power distributor and total power requirement during cooperation phase is 2756 KVA and will be met from local power distributor.
 - ix. Rooftop rainwater of buildings will be collected in 1 No. RWH tanks of total 27 KLD capacity for rehabilitation buildings. & 1 No. RWH tanks of total 51 KLD capacity for sale buildings. harvesting after filtration.
 - x. Parking facility for 664 Nos. four wheelers are proposed to be provided against the requirement of 531 Nos. (According to local norms).
 - xi. Proposed energy saving measures would save about 19.75 % of power.
 - xii. It is not located within 10 km of Eco Sensitive areas
 - xiii. There is no/court case pending against the project.
 - xiv. Investment/Cost of the project is Rs. 287 Cr.

3.48.2 The Committee noted that the driveway proposed is inadequate and hence suggested the PP to revise and submit the layout with clear driveway of 6 m and green belt on both sides.

3.49 Proposed expansion project at Plot bearing CTS no. 104 B & 104 D at village Dindoshi, Malad (E), Mumbai by M/s Sheth Developers Pvt. Ltd. - Environmental Clearance

3.49.1 The proponent has not circulated the agenda papers to the Committee and also has not attended the Meeting. The Committee deferred the project.

3.50 Proposed construction of residential building “Saturina” on Plot bearing C.T.S Nos 1293 - 1297 on Survey No 90’ Road, Near Eastern Express Highway, Mulund - East, Mumbai by M/s Neelam Realtors Pvt. Ltd - Environmental Clearance[F.No.21-217/2014-IA-III]

3.50.1 PP made a presentation and informed that:

- i. The project is located at Latitude: 19° 09’ 44.10” N Longitude: 72° 57’ 26.34” E
- ii. The total plot area is 11022.59 sqm. The project will comprise of 2 High rise wings + 1 EWS wing. The proposed development involves construction following buildings:
 - a. 2 High Rise Wings + 1 EWS Wing on Plot area 11022.59 sqm. and construction BUA 72650 sqm. The maximum ht of building is about 123.05 m upto terrace level
 - b. FSI area is 29389.56 sqm and total construction area of 72650 sqm
- iii. During construction phase, total water requirement is expected to be 25 KLD for workers and 75 KLD for construction activity which will be met by M.C.G.M. and water tankers respectively. Disposal of waste water will be to septic tank & soak pits. Temporary sanitary toilets will be provided for labour.
- iv. During operational phase, total water demand of the project is expected to be 221.6 KLD and the same will be met by the MCGM supply/recycled water. Wastewater generated will be treated in STP and treated wastewater will be recycled for flushing, for gardening.
- v. Parking facility for 629 Nos. four wheelers are provided, 13no.s for EWS wing and 616 for Highrise wing.
- vi. Proposed energy saving measures would save about 16.6% of power.
- vii. It is located at 8 km from Sanjay Gandhi National Park
- viii. There is no/court case pending against the project.
- ix. Investment/Cost of the project is Rs. 131 Cr.

3.50.2 The EAC after deliberation sought the following information for further consideration:

- i. Certificate of Zone detail according to Development Plan.
- ii. Revised layout showing the parking plan with dimension of driveway.
- iii. Copy of approvals obtained.

3.51 Proposed expansion project “THE ADDRESS” at Plot bearing C.T.S Nos. 50, 50/1 to 50/7, 50/35 to 50/44 of Village Vikhroli, Ghatkopar (West), LBS Marg, Mumbai by M/s. Wadhwa Residency- Pvt. Ltd. - Environmental Clearance

3.51.1 The Project Proponent made a presentation and informed that:

- i. The project is located at 19° 05’50.52”N Latitude and 72°55’07.73”E Longitude
- ii. This is an expansion project. This project has received prior Environment Clearance (EC) from SEIAA, Maharashtra (dated 13th April 2011 and 26th April 2014). Total constructed work (FSI + NON FSI): 3, 83,148.71 sqm.

- iii. The total plot area is 71,804.30 sqm. The project will comprise of three towers. FSI area (Including fungible area) is 1, 55,532.08sqm.and total construction area of 4, 38,849.32sqm.Total 1388 flats shall be developed, along with MCGM parking facility. Maximum height of the building up to terrace level is 92.80 m.
- iv. During construction phase, total water requirement is expected to be 59 KLD for workers and 60-70 KLD for construction activity which will be met by M.C.G.M. and water tankers respectively. Disposal of waste water will be to septic tank & soak pits. Temporary sanitary toilets will be provided for labour.
- v. During operational phase, total water demand of the project is expected to be 1024 KLD and the same will be met by the 373 KLD recycled water, 628 KLD fresh water from M.C.G.M. and 23 KLD from tanker water of potable quality. Wastewater generated (821 KLD) will be treated in three STPs of total 910 KL capacity. 739 KLD of treated wastewater will be recycled (319 KLD for flushing, 54 KLD for gardening and 366 KLD for cooling tower make up of other projects). No discharge of treated sewage.
- vi. About 3.0 TPD solid waste will be generated in the project. The total biodegradable waste (2.0 TPD) will be processed in OWC and total non-biodegradable waste generated (1.0 TPD) will be handed over to M.C.G.M.
- vii. The total power requirement during construction phase is 100 KW and will be met from TATA Power Company Limited. and total power requirement during operation phase is 52 MW and will be met from TATA Power Company Limited.
- viii. Rooftop rainwater of buildings will be collected in 8 RWH tanks of 500 KL capacity for harvesting after filtration.
- ix. Parking facility for 2619 four wheelers for captive and 873 for MCGM parking and Nil two wheelers is proposed to be provided against the requirement of 2604 four wheelers for captive and 873 for MCGM parking and Nil two wheelers respectively.(according to local norms).
- x. Proposed energy saving measures would save about 22 % of power
- xi. It is located within 10 km of Eco Sensitive areas
- xii. There is no court case pending against the project
- xiii. Investment/Cost of the project is Rs. 2686.43 Crores
- xiv. Employment potential: During Construction phase = 500 Nos.
- xv. Benefits of the project: Residential Development with Public Parking facility.

3.51.2 The PP made a presentation and informed that since the build up area is more than 1,50,000 sqm, the proposal is for seeking ToR. However, inadvertently they have submitted application for EC. Therefore, requested the EAC to consider grant of ToR. .

3.51.23 The Committee has taken into account the submissions of PP and noted that the built up area is more than 1, 50, 000 sqm and therefore, recommended the proposal for grant of ToR with following specific ToRs:

- i. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images.
- ii. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
- iii. Examine baseline environmental quality along with projected incremental load due to the project.

- iv. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- v. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area.
- vi. Submit the details of the trees to be felled for the project.
- vii. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- viii. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- ix. Ground water classification as per the Central Ground Water Authority.
- x. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- xi. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- xii. Examine soil characteristics and depth of ground water table for rainwater harvesting.
- xiii. Examine details of solid waste generation treatment and its disposal.
- xiv. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy efficiency and Conservation of at least 20 % be worked out.
- xv. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- xvi. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
- xvii. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- xviii. Examine the details of transport of materials for construction which should include source and availability.
- xix. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- xx. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.

3.52. Expansion project at C. T. S No. 1482-C, 1478-C, 1476-A, 1475-A, 1474-C, 1472-A, 1458/1, 1457-A, 1456, 1455-A, 1454-A, 1453, 1435-C, 1447, 1448 of village Dahisar at Dahisar (E), Mumbai by M/s Nahalchand Laloochand Pvt. Ltd.- Environmental Clearance [F.No.21-88/2014-IA.III]

Shri M.L Sharma took the Chair.

3.52.1 The proposal was considered by the EAC in December, 2014 and the EAC suggested to the Ministry to seek clarification from State Government on Circular dated 17.01.2014 of Environment Department, GoM regarding requirement of EC in the

context of the Court order dated 18.12.2013 in WP 2809 of 2012 and WP (Lod) No. 470 of 2013 and order dated 06.03.2014 in WP 662 of 2014.

3.52.2 The Ministry accordingly addressed the Government of Maharashtra for clarification. Government of Maharashtra vide letter dated 24.02.2015 clarified that High Court vide order dated 06.03.2014 has allowed construction up to 20,000 sqm, However the matter was pending with height concession required from Urban Local Body which was mandatory according to OM of MoEF dated 06.06.2013. PP submitted letter of MCGM dated 21.11.2014 regarding concession for the height. As regards, violations, Show Cause Notice was issued on 15.04.2013, and after personal hearing and detailed scrutiny of the documents, the Competent Authority has concluded that there does not exist a violation under EIA Notification, 2006 and accordingly, the Show Cause notice was withdrawn on 25.06.2013.

3.52.3 The PP has approached the Delhi High Court seeking intervention for early consideration. The Hon'ble High Court of Delhi has directed, vide order dated 10.02.2015 in WP (C) 1260/2015 the EAC and MoEFCC to consider the proposal within eight weeks

3.52.3 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

3.53 Development of Multipurpose all weather port at Taddadi, Karnataka by M/s Karnataka Industrial and Infrastructure Development Corporation Ltd - Extension of validity of ToR [F.No.11-28/2011-IA-III]

3.53.1 PP informed that the ToR was granted on 26.09.2011 which was valid upto 29.12.2014. Since the Public Hearing could not be done during the stipulated period and that Public Hearing is likely to be scheduled shortly and hence requested for extension of ToR for one year.

3.53.2 The EAC after deliberation has recommended for extension of validity of ToR for one year.

3.54 Proposed MHADA Redevelopment Project at CTS Nos. 52 & 53 Chembur “M” West Ward, Mumbai by Godrej Redevelopers (Mumbai) Pvt. Ltd.- Environmental Clearance [F.No.21-22/2015-IA-III]

3.54.1 The Project proponent made a presentation and informed that:

- i. The proposal is for redevelopment of existing 61 year old MHADA colony referred to as Sahakar Nagar 2 comprising of 25 LIG chawls housing 200 tenements. The existing 25 chawls will be demolished and new buildings will be constructed to accommodate. The project land admeasures 15,903.46 sqm. FSI area is 75,139.91 sqm and total gross construction area of 1, 24,114.63 sqm. 996 residential units and 19 retail units (convenient shopping) Total 996 flats and 19 shops shall be developed. Maximum height of the building will be 48.30 m .
- ii. The project is on land forming part of CTS Nos. 52 & 53 Chembur “M” West Ward, Mumbai. The site is geographically located at 19°03’48.39”N latitude and 72°53’30.48’ E longitude respectively. The site is well connected with all the important places in Mumbai by railway and road network.
- iii. During construction phase, total water requirement is expected to be 54 KLD which will be met by Municipal water and Tankers. Soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided for labor.
- iv. During operational phase, total water demand of the project is expected to be 695.01 KLD and the same will be met by the Municipal Water and Recycled Water. Moving Bed Bio-Reactor (MBBR) Technology will be proposed to treat wastewater generated (629.13 KLD) and will be treated in 4 nos. of STPs of total 200 cmd, 150 cmd, 80 cmd, 270 cmd capacity. 575.88 KLD of treated wastewater will be recycled (225.24 cmd for flushing, 21 cmd for gardening). About 257.0664 KLD will be disposed in to municipal drain.
- v. About 2498.55 Kg/day solid waste will be generated in the project. The biodegradable waste (1497.42 Kg/day) will be processed in OWC and the non-biodegradable recyclable waste (1001.13 kg/day) will be handed over to authorized local vendor.
- vi. The total power requirement during construction phase is 150 KW and will be met from MSEB and total power requirement during operation phase is 4182.94 KW and will be met from TATA. For power back up 2 nos of 500 KVA and 1 no. of 750 KVA DG sets will be proposed. 100 % power back up will be provided for all pollution control systems, fire pumps, fire lifts and emergency lighting.
- vii. Proposed energy saving measures would save about 22% of power.
- viii. Parking facility for 882 four wheelers is proposed to be provided against the requirement according to local norms.

- ix. Rooftop rainwater of buildings will be collected in RWH tanks of total 530 KLD Capacity for harvesting after filtration. 100% Rain water will be Stored in tank & to re-used for irrigation/carwash purposes.
- x. There are total 202 no. of trees existing in the plot, as per survey conducted by the MCGM Tree Authorities in Sept '14. Out of those 7 trees will be cut, 97 will be retained and 98 will be transplanted and 21 new trees will be planted. Total trees to be planted on ground will be 118 nos. The proposed project will explore the possibility to develop & beautify the PG / RG adjoining to Sahakar Nagar II plot.
- xi. Total Project Cost will be Rs. 632 Crores

3.54.2 The Committee after detailed deliberations recommended the proposal for grant of Environment Clearance subject to the following specific conditions:

- i. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the PP. The record shall be submitted to the Regional Office, MoEF&CC and the Ground Water Authority along with six monthly Monitoring reports.
- ii. The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.
- iii. Solid waste shall be collected, treated and disposed according to rules.
- iv. PP shall comply with the conditions of NOC/Clearance obtained from Fire Department.
- v. The Operation and Maintenance of STP shall be made in the MoU with supplier. PP shall ensure the operation and maintenance of the STP.
- vi. Parking facility with clear 6 m driveway shall be provided as committed.
- vii. All the construction shall be in accordance with the local building byelaws. PP shall obtain all necessary clearances.
- viii. The EC will be granted only after the undertaking by the PP that he is in possession of all necessary and valid building and town planning permissions for the entire project.
- ix. The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measures indicating at least 20 % energy saving from conventional mode, with its allottees, as projected, in perpetuity. This would be monitored by the designated Energy Conservation/ Efficiency Authority in the State.
- x. D.G set shall be at least 6 m away from the boundary.
- xi. Temporary toilets will be provided for all construction labour.

The Committee also deliberated the standard ToRs for the following sectors (Annexure-III.) and recommended to be finalised:

- i. Port and Harbours
- ii. Airports
- iii. Industrial Estates
- iv. Townships
- v. Aerial Ropeways
- vi. Ship Breaking Yard
- vii. Common Effluent Treatment Plants
- viii. Common Municipal Solid Wastes
- ix. Common hazardous Waste Incinerators

Minutes of the 146th of Expert Appraisal Committee for Projects related to Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects held on 9th to 11th March, 2015 at Conference Hall (Bramhaputra), Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi -110003.

List of Participants

Expert Committee

- | | |
|------------------------------|-------------------------------|
| 1. Shri Anil Razdan | Chairman |
| 2. Dr. M.L. Sharma | Member |
| 3. Shri R. Radhakrishnan | Member |
| 4. Dr. M.V. Ramana Murthy | Member |
| 5. Dr. R. Prabhakaran | Member |
| 6. Dr. Anuradha Shukla | Member |
| 7. Shri S.K. Sinha | Member |
| 8. Ms Mita Sharma, | Member |
| 9. Dr. Manoranjan Hota | Director and Member Secretary |
| 10. Shri E. Thirunavukkarasu | Scientist 'D', MoEF&CC |

Representatives of Project Proponents

M/s Silver Reeds Hotels and Resorts Pvt. Ltd.
M/s Olympia Merlin Developers Pvt. Ltd.
M/s Bay Islands Hotels Ltd
M/s. MOPA Airport, Goa
M/s Mangalore SEZ Ltd
M/s. Adani Hazira Port, Hazira
M/s Adani Kandla Bulk Terminal Pvt. Ltd
M/s Hyacinth Pharma Pvt. Ltd
M/s Ankleshwar Cleaner Process Technology Centre Ltd
M/s. IMC Ltd
M/s Tata Power Co. Ltd
M/s Innovative Envirocare Jhagadia Ltd.
M/s Vijaydurg Ports Private Limited
M/s Kineta Power Pvt. Ltd
M/s Puranik Builders Pvt. Ltd.
M/s. Sai Pushpa Enterprises
M/s River Rose Developers Pvt. Ltd
M/s Manas Properties Private Limited
M/s. Arkade Developers Pvt. Ltd
M/s Man Global Ltd
M/s. Srujan Development & Construction Division
M/s Maitri Associates
M/s Dosti Realty Ltd.
M/s Sai Uma Corporation
M/s Scenic Infrastructure Pvt. Ltd.
M/s Delhi Development Authority
M/s Leading Work Properties Pvt Ltd
M/s Akruti GM Joint Venture
M/s. Siddhi Raj Housing Projects Pvt. Ltd
M/s Real Estate Development Company Pvt. Ltd
M/s Mohd. Hussain Jalaluddin Nirban
M/s Ashar Realators
M/s Shri Gami Infotech Pvt. Ltd
M/s Gurunanak Construction
M/s. Mahadeo Constructions Pvt. Ltd.
M/s Aakash Healthcare Pvt. Ltd
M/s Wizard Construction (I) Pvt Ltd
M/s Rashtriya Chemicals & Fertilizers Ltd
M/s Pilot Construction Pvt. Ltd.
M/s SSP Buildcon Pvt. Ltd
M/s Sai Rydam Realtors Pvt. Ltd.
M/s WMI Real Estate Developers Pvt. Ltd.
M/s Vardhaman Developers & Realtors JV
M/s Neelam Realtors Pvt. Ltd
M/s. Wadhwa Residency Pvt. Ltd
M/s Nahalchand Laloochand Pvt. Ltd.

M/s Karnataka Industrial and Infrastructure Development Corporation Ltd
M/s Godrej Redevelopers (Mumbai) Pvt. Ltd

Model ToR for Port

- i. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental angle, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
- ii. Details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site. Examine and submit detail of land use around 10 km radius of the project site and map of the project area and 10 km area from boundary of the proposed/existing project area, delineating project areas notified under the wild life (Protection) Act, 1972/critically polluted areas as identified by the CPCB from time to time/notified eco-sensitive areas/interstate boundaries and international boundaries. Analysis should be made based on latest satellite imagery for land use with raw images.
- iii. Submit the present land use and permission required for any conversion such as forest, agriculture etc. land acquisition status, rehabilitation of communities/villages and present status of such activities.
- iv. Examine and submit the water bodies including the seasonal ones within the corridor of impacts along with their status, volumetric capacity, quality likely impacts on them due to the project.
- v. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area
- vi. Submit the details of terrain, level with respect to MSL, filling required, source of filling materials and transportation details etc.
- vii. Examine road/rail connectivity to the project site and impact on the existing traffic network due to the proposed project/activities. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- viii. Submit details regarding R&R involved in the project
- ix. Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale along with the recommendation of the SCZMA.
- x. Submit the status of shore line change at the project site
- xi. Details of the layout plan including details of channel, breakwaters, dredging, disposal and reclamation.
- xii. Details of handling of each cargo, storage, transport along with spillage control, dust preventive measures. In case of coal, mineral cargo, details of storage and closed conveyance , dust suppression and prevention filters.
- xiii. Submit the details of fishing activity and likely impacts on the fishing activity due to the project. Specific study on effects of construction activity and pile driving on marine life.
- xiv. Details of oil spill contingency plan.
- xv. Details of bathymetry study.
- xvi. Details of ship tranquillity study.
- xvii. Examine the details of water requirement, impact on competitive user, treatment details, use of treated waste water. Prepare a water balance chart.
- xviii. Details of rainwater harvesting and utilization of rain water.

- xix. Examine details of Solid waste generation treatment and its disposal.
- xx. Details of desalination plant and the study for outfall and intake.
- xxi. Examine baseline environmental quality along with projected incremental load due to the proposed project/activities.
- xxii. The air quality monitoring should be carried out according to the notification issued on 16th November, 2009.
- xxiii. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- xxiv. Submit details of a comprehensive Risk Assessment and Disaster Management Plan including emergency evacuation during natural and man-made disasters
- xxv. Submit details of the trees to be cut including their species and whether it also involves any protected or endangered species. Measures taken to reduce the number of the trees to be removed should be explained in detail. Submit the details of compensatory plantation. Explore the possibilities of relocating the existing trees.
- xxvi. Examine the details of afforestation measures indicating land and financial outlay. Landscape plan, green belts and open spaces may be described. A thick green belt should be planned all around the nearest settlement to mitigate noise and vibrations. The identification of species/ plants should be made based on the botanical studies.
- xxvii. The Public Hearing should be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
- xxviii. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
- xxix. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "[http://moef.nic.in/Manual/Port and harbour](http://moef.nic.in/Manual/Port%20and%20harbour)".

Model ToR for Airport

- (i) Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental angle, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
- i. Details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site. Examine and submit detail of land use around 10 km radius of the project site and map of the project area and 10 km area from boundary of the proposed/existing project area, delineating project areas notified under the wild life (Protection) Act, 1972/critically polluted areas as identified by the CPCB from time to time/notified eco-sensitive areas/inter state boundaries and international boundaries.. Analysis should be made based on latest satellite imagery for land use with raw images.
- ii. Submit the present land use and permission required for any conversion such as forest, agriculture etc. land acquisition status, rehabilitation of communities/ villages and present status of such activities. Check on flood plain of any river.
- iii. Examine and submit the water bodies including the seasonal ones within the corridor of impacts along with their status, volumetric capacity, quality likely impacts on them due to the project.
- iv. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area, any obstruction of the same by the airport.
- v. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
- vi. Examine the impact of proposed project on the nearest settlements.
- vii. Examine baseline environmental quality along with projected incremental load due to the proposed project/activities
- viii. Examine and submit details of levels, quantity required for filling, source of filling material and transportation details etc. Submit details of a comprehensive Risk Assessment and Disaster Management Plan including emergency evacuation during natural and man-made disaster integrating with existing airport
- ix. Examine road/rail connectivity to the project site and impact on the existing traffic network due to the proposed project/activities. A detailed

traffic and transportation study should be made for existing and projected passenger and cargo traffic.

- x. Submit details regarding R&R involved in the project
- x*i*. Examine the details of water requirement, use of treated waste water and prepare a water balance chart. Source of water vis-à-vis waste water to be generated along with treatment facilities to be proposed.
- x*ii*. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water.
- x*iii*. Examine details of Solid waste generation treatment and its disposal.
- x*iv*. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- x*v*. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- x*vi*. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- x*vii*. Examine baseline environmental quality along with projected incremental load due to the proposed project/activities.
- x*viii*. The air quality monitoring should be carried out as per the notification issued on 16th November, 2009.
- x*ix*. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- x*x*. Submit details of corporate social responsibilities (CSR)
- x*xi*. Submit details of the trees to be cut including their species and whether it also involves any protected or endangered species. Measures taken to reduce the number of the trees to be removed should be explained in detail. Submit the details of compensatory plantation. Explore the possibilities of relocating the existing trees.
- x*xii*. Examine the details of afforestation measures indicating land and financial outlay. Landscape plan, green belts and open spaces may be described. A thick green belt should be planned all around the nearest settlement to mitigate noise and vibrations. The identification of species/plants should be made based on the botanical studies.

- xxiii.* Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
- xxiv.* A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
- xxv.* Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Airport>".

Model ToR for Industrial Estate

- i. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damage, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
- ii. Submit the details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
- iii. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
- iv. Examine the impact of proposed project on the nearest settlements.
- v. Examine baseline environmental quality along with projected incremental load due to the project taking into account of the existing developments nearby.
- vi. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- vii. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area, and any obstruction of the sme by the project.
- viii. Details regarding project boundary passing through any eco- sensitive area and within 10 km from eco- sensitive area.
- ix. Green buffer in the form of green belt to a width of 15 meters should be provided all along the periphery of the industrial area. The individual units should keep 33% of the allotted area as a green area.
- x. Submit the details of the trees to be felled for the project.
- xi. Submit the details of the infrastructure to be developed.
- xii. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- xiii. Submit details regarding R&R involved in the project

- xiv. Zoning of the area in terms of 'type of industries' coming-up in the industrial area based on the resource requirement along with likely pollutants with quantity from the various industries.
- xv. The project boundary area and study area for which the base line data is generated should be indicated through a suitable map. Justification of the parameters, frequency and locations shall be discussed in the EIA.
- xvi. Submit Legal frame work for the implementation of Environmental Clearance conditions - to be clearly spelt out in the EIA report.
- xvii. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- xviii. Site justification of the identified industry sectors from environmental angle and the details of the studies conducted if any.
- xix. Ground water classification as per the Central Ground Water Authority.
- xx. Submit the source of water, requirement vis-à-vis waste water to be generated along with treatment facilities, use of treated waste water along with water balance chart taking into account all forms of water use and management.
- xxi. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- xxii. Examine soil characteristics and depth of ground water table for rainwater harvesting.
- xxiii. Examine details of solid waste generation treatment and its disposal.
- xxiv. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption.
- xxv. In case DG sets are likely to be used during construction and operational phase of the project, emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- xxvi. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
- xxvii. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- xxviii. Examine the details of transport of materials for construction which should include source and availability.

- xxix. Examine the details of National Highways/State Highways/ expressways falling along the corridor and the impact of the development on them.
- xxx. Examine noise levels - present and future with noise abatement measures.
- xxxi. Identify, predict and assess the environmental and sociological impacts on account of the project. A detailed description with costs estimates of CSR should be incorporated in the EIA / EMP report.
- xxxii. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- xxxiii. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- xxxiv. The Public hearing should be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
- xxxv. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
- xxxvi. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Industrial Estate>".

Model ToR for Township/ Area Development projects

- (i) Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
- (ii) Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
- (iii) Examine baseline environmental quality along with projected incremental load due to the project.
- (iv) Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- (v) Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
- (vi) Submit the details of the trees to be felled for the project.
- (vii) Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- (viii) Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- (ix) Ground water classification as per the Central Ground Water Authority.
- (x) Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- (xi) Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- (xii) Examine soil characteristics and depth of ground water table for rainwater harvesting.
- (xiii) Examine details of solid waste generation treatment and its disposal.
- (xiv) Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
- (xv) DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.

- (xvi) Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
- (xvii) A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- (xviii) Examine the details of transport of materials for construction which should include source and availability.
- (xix) Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- (xx) Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- (xxi) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

Model ToR for Aerial Ropeway

- (i) Examine and submit a brief description of the project-name, project site, geology, topography, nature, size, location of the project, project coverage, master plan, length of the proposed aerial rope way, details of ROW, height from MSL and its importance to the region/ State.
- (ii) Any adverse impact of the works already carried out.
- (iii) Submit the details of facilities viz. administration building, restaurant, toilets, waste collection and disposal etc at Lower terminal and upper terminal including parking area.
- (iv) Submit the details of trees required to be cut for the project, including the type, girth size etc. Necessary permission from competent authority shall be obtained for tree cutting. Compensatory tree plantation shall be carried out and cost provision should be made for regular maintenance. Details to be submitted.
- (v) Examine and submit the likely impact due to influx of people and associated developments
- (vi) Submit maps of the project area and 10 km surrounding area from boundary of the proposed/existing project area, thereby delineating project areas wild life sanctuaries notified under the Wild Life (Protection) Act, 1972/critically polluted areas as identified by the CPCB from time to time/notified eco-sensitive areas/inter state boundaries and international boundaries. Any bio-diversity park or any protected site.
- (vii) Submit baseline data and description of existing situation of the land at the proposed project site including description of terrain, hill slopes, inland topography, slope and elevation, rock types, regional tectonic setting (reported fractures/faulting/folding, warping), and history of any volcanic activity, seismicity and associated hazards.
- (viii) Submit details of power requirement and source. Energy efficiency measures in the activity should be drawn up. PP should also submit details of D.G. Sets along with noise control measures.
- (ix) Details of anticipated impact during construction stage and operation stage w.r.t. landslides, surface drainage etc., should be predicted. The existing surrounding features up to 1 km and impact on them should be addressed separately.
- (x) PP should examine and submit activities associated with aerial ropeway construction and operations and likely associated hazards and accidents. It is therefore desirable that based on the categories of hazards prevailing at the project site, risk assessment may be carried out by specialists in the field and

recommendations may be implemented. Risk assessment should be carried out for seismicity, slope stability, soil erosion, and flood hazard.

- (xi) Any litigation pending against the proposed project and/or any direction/order passed by any court of law against the project, if so, details thereof should be provided.
- (xii) Submit Certificate from the competent authorities for safety of ropeway and its monitoring.
- (xiii) Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
- (xiv) A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
- (xv) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Aerial Ropeway>".

Model ToR for Ship Breaking Yard

- i. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental angle, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
- ii. Details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site. Examine and submit detail of land use around 10 km radius of the project site and map of the project area and 10 km area from boundary of the proposed/existing project area, delineating project areas notified under the wild life (Protection) Act, 1972/critically polluted areas as identified by the CPCB from time to time/notified eco-sensitive areas/interstate boundaries and international boundaries. Analysis should be made based on latest satellite imagery for land use with raw images.
- iii. Submit the present land use and permission required for any conversion such as forest, agriculture etc. land acquisition status, rehabilitation of communities/villages and present status of such activities.
- iv. Details of the processes for each activity, generation of wastes, types quantity and methodology for collection, storage, treatment and disposal of wastes.
- v. Details of Tri butyl Tin (TBT) based paints to be used, details of collection and treatment of the ship wash containing TBT and solid waste.
- vi. Details of the water source, waste generation, treatment system and disposal along with water balance.
- vii. Details of the emission control. details of Monitoring of VOC
- viii. MoU with authorized agency for disposal of hazardous wastes if any
- ix. Detailed base line marine water quality vis-a-vis likely impact due to ship breaking and mitigation proposed.
- x. Details of personal prospective equipments (gas masks, dust masks, hand gloves, safety shoes, safety goggles, etc) for workers engaged for cutting, dismantling, isolation and segregation process.
- xi. Details of the dredging, quantity and disposal
- xii. Details of reclamation along with the source of materials and its quantity & quality.
- xiii. Details of shore line changes along with the shore protection if any required.
- xiv. Details of Environmental Management Plan and Environmental Monitoring Plan with parameters and costs

- xv. Details of Oil Spill Contingent Management Plan. Details of oil, hazardous materials, asbestos etc handling onshore or offshore.
- xvi. Details of Risk Assessment, Disaster Management Plan including emergency evacuation during natural and man-made disaster like floods, cyclone, tsunami and earth quakes etc.
- xvii. Copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale along with the recommendation of the SCZMA.
- xviii. Details of independent road connectivity to the main NH/SH.
- xix. Noise levels, particularly for night operations
- xx. The Public Hearing should be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
- xxi. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
- xxii. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "[http://moef.nic.in/Manual/Ship breaking yard](http://moef.nic.in/Manual/Ship%20breaking%20yard)".

Model ToR for CETP

- i. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental angle, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
- ii. Details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site.
- iii. Details of member units, its production capacity, waste generation, characteristic and details of primary treatment provided by the member units.
- iv. Details on present treatment and disposal systems
- v. Details of effluent collection system from member units level.
- vi. Details of hazardous waste collection. Sill proof arrangement
- vii. Examine and submit details of inlet characteristics.
- viii. Details of the CETP with design parameters. Layout plan of CETP. And open spaces.
- ix. Details of the adequate power back up facility, to meet the energy requirement in case of power failure from the grid.
- x. Details of the usage of treated effluent for green belt development and horticulture.
- xi. Submit a copy of MoU made between the Member units.
- xii. Details of storage facility available at the CETP.
- xiii. Examine and submit details of sludge / solid waste generated and method of disposal. MoU in this regard.
- xiv. Details of water requirement, source and water balance chart .
- xv. Details of green belt
- xvi. Details of performance monitoring , lab facility with technical persons
- xvii. Details of water meters for inflow and outflow monitoring etc

Model ToR for Common Municipal Solid Waste Treatment and Disposal facility

- (i) The project should be designed based on the population projections as by Master Plan.
- (ii) Submit a 10 km. radius map (on survey of India toposheet) showing co-ordinates of project site, national highway, state highway, district road/approach road, river, canal, natural drainage; protected areas, under Wild Life (Protection) Act, archaeological site, natural lake, flood area, human settlements (with population), industries, high tension electric line, prominent wind direction (summer and winter), effluent drain, if any and ponds etc. should be presented and impacts assessed on the same.
- (iii) Examine and submit details of alternative technologies viz. RDF shall also be evolved.
- (iv) Examine and submit details of storm water/ leachate collection from the composted area.
- (v) Examine and submit details of monitoring of water quality around the landfill site. Water analysis shall also include for nitrate and phosphate.
- (vi) Examine and submit details of the odour control measures.
- (vii) Examine and submit details of impact on water bodies/rivers/ ponds and mitigative measures during rainy season.
- (viii) Submit the criteria for assessing waste generation. Any segregation of hazardous and bio-medical wastes.
- (ix) Submit a copy of the layout plan of project site showing solid waste storage, green belt (width & length, 33% of the project area), all roads, prominent wind direction, processing plant & buildings etc. should be provided.
- (x) Submit a copy of the land use certificate from the competent authority.
- (xi) NOC from local or nearest airport within 20 km and any flight funnel restrictions.
- (xii) Submit a copy of the status of ambient air quality and surface and ground water quality, soil type, cropping pattern, land use pattern, population, socio-economic status, anticipated air and water pollution.

- (xiii) Submit a copy of the topography of the area indicating whether the site requires any filling, if so, the details of filling, quantity of fill material required, its source and transportation, etc.
 - (xiv) Examine and submit the details of impact on the drainage and nearby habitats/settlements (surroundings).
 - (xv) Examine and submit the details of surface hydrology and water regime and impact on the same.
 - (xvi) Examine and submit the details of one complete season AAQ data (except monsoon) with the dates of monitoring, impact of the project on the AAQ of the area (including H₂S, CH₄).
 - (xvii) Submit a copy of detailed plan of waste management.
 - (xviii) Submit the details of sanitary land fill site impermeability and whether it would be lined, if so details thereof.
 - (xix) Examine and submit the details of impact on environmental sensitive areas.
 - (xx) Examine and submit the details of rehabilitation/compensation package for the project effected people, if any.
 - (xxi) Submit Environmental Management Plan and Environmental Monitoring Plan with costs and parameters.
- i.* Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
 - ii.* A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
 - iii.* Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Common Municipal Solid Wastes>".

Model ToR for Incinerator

- i. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damages, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
- ii. Submit the details of the road/rail connectivity along with the likely impacts and mitigative measures
- iii. Submit the present land use and permission required for any conversion such as forest, agriculture etc
- iv. Examine the details of transportation of Hazardous wastes, and its safety in handling.
- v. Examine and submit the details of on line pollutant monitoring.
- vi. Examine the details of monitoring of Dioxin and Furon.
- vii. MoU for disposal of ash through the TSDF.
- viii. MoU for disposal of scrubbing waste water through CETP.
- ix. Examine and submit details of monitoring of water quality around the landfill site.
- x. Examine and submit details of the odour control measures.
- xi. Examine and submit details of impact on water body and mitigative measures during rainy season.
- xii. Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. Regular monitoring shall be carried out for odour control.
- xiii. Water quality around the landfill site shall be monitored regularly to examine the impact on the ground water.
- xiv. The storage and handling of hazardous wastes shall be as per the Hazardous Waste Management Rules.
- xv. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- xvi. Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
- xvii. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
- xviii. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Incinerator>"
