

**Minutes of the 26<sup>th</sup> Meeting of Expert Appraisal Committee (Infra-2) for Projects related to All Ship Breaking Yard including Ship Breaking Unit, Airport, Common Hazardous Waste Treatment, Storage and Disposal Facilities, Ports and Harbours, Aerial Ropeways, CETPs, Common Municipal Solid Waste Management Facility, Building/Construction Projects, Townships and Area Development Projects held on 14-15 December, 2017 in the Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, New Delhi – 3.**

**Day 1: Thursday, 14<sup>th</sup> December, 2017**

**26.1 Opening Remarks of the Chairman**

At the outset, Chairman welcomed the members of the Expert Appraisal Committee (Infra-2). Thereafter, agenda items were taken up for discussion. The deliberations held and decisions taken are as under.

**26.2 Confirmation of the Minutes of the 25<sup>th</sup> Meeting of the EAC held on 29-30 November, 2017 at New Delhi.**

The minutes of the 25<sup>th</sup> Meeting of the EAC held on 29-30 November, 2017 were confirmed.

**26.3 Consideration of Proposals**

**\* Recommendations of the EAC relating to grant of Terms of Reference and Environmental Clearance to the Building and Construction Projects under item 8(a) and Townships and Area Development Projects under item 8(b) are subject to final outcome/legal opinion on the Order dated 8<sup>th</sup> December, 2017 of Hon'ble NGT in the Original Application No. 677 of 2016 (M.A. NO. 148/2017) in the matter of Society for Protection of Environment & Biodiversity Vs Ministry of Environment, Forests & Climate Change & Ors.**

**\*\* Recommendations of the EAC relating to grant of Terms of Reference and Environmental and CRZ Clearance to the projects/activity which requires both Environmental and CRZ Clearance are subject to final outcome/legal opinion on the Order dated 22<sup>nd</sup> November, 2017 of Hon'ble NGT in the Original Application No. 424 of 2016 (Earlier O.A. No. 169 of 2015) and Original Application No. 11 of 2014 in the matter of M/s. Mehdad & Anr. Vs. Ministry of Environment, Forests & Climate Change & Ors. and Shamsunder Shridhar Dalvi & Ors. Vs. Govt. of India & Ors.**

<b>26.3.1</b>	<p><b>Development of Outer Harbour, Inner Harbour including Western Dock &amp; Mechanization of existing Operational Berths at Sandhakuda, Orissa by M/s Paradip Port Trust – Terms of Reference (IA/OR/MIS/70593/2017; F. No. 10-62/2017-IA-III)</b></p> <p>The project proponent and the accredited Consultant M/s National Environmental Engineering Research Institute (NEERI) gave a detailed presentation on the salient features of the project and informed that:</p> <p>(i) Paradip Port Trust is the second largest Major Port of India and it handled 89.60 MT of cargo during 2016-17. The harbour basin is protected by two breakwaters, viz. south breakwater which is approximately 1217 m long and the north breakwater which is approximately 538 m long. The approach channel, which is approximately 9,800 m long and 300 m wide, is dredged to a depth of 18.7 m CD. The entrance channel is 2,200 m long and 240 m wide and 17.1 CD m deep. The port has a turning circle with a diameter</p>
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of 520 m. The existing berth facilities at Paradip port are situated in the east and central docks. The eastern dock has three general cargo berths, including one iron Ore and two coal berths. The central dock has three multipurpose berths including two fertilizer berths along with one multipurpose berth. Three offshore Single Point Mooring (SPM) Buoys of IOCL of 37 MTPA are operational to handle Very Large Crude Carrier (VLCC) up to 3, 50,000 DWT size.

- (ii) The proposal is for finalization of ToR to carry out Environmental Impact Assessment (EIA) Study for the Development of Outer Harbour, Inner Harbour including Western Dock & Mechanization of existing Operational Berths at Paradip Port.
- (iii) Earlier ToR was granted by MoEFCC for Development of Outer Harbour Paradip Port Trust, Paradip, Dist Jagatsinghpur, Odisha vide F. NO. 21-28/2016-IA-III dated 17<sup>th</sup> April, 2017. However, in pursuance to the minute of the 23<sup>rd</sup> meeting of EAC(Infra-2) on 13.10.2017, fresh Form-1 was submitted integrating the present proposal with the earlier outer harbour proposal. The EIA studies for the outer harbour component are underway and are relevant to the present proposal. The additional project components covered are as follows:
- (iv) Mechanization of existing port berths in the Eastern Dock and Central Dock including up-gradation of the back-up stacking areas. The total backup harbor area, custom bond is spread over 1000 Ha. The capacity (excluding SBM) will enhance from 93.6 MTPA to 143.6 MTPA in these existing operational berths.
- (v) Expansion of Inner harbor including construction of Western Dock with two berths involving additional capital dredging of 8.0 million cum. The capacity creation would be 30 MTPA and the total capacity (excluding SBM) would be 173.6 MTPA.
- (vi) Salient Features

**A. Berth Mechanization Project**

Cargo to be handled	All types of Bulk Cargo like Coal, Iron Ore, lime stone, dolomite etc.
Additional Capacity by mechanization and debottlenecking efficiency in the Eastern and Central Dock (13 berths)	Eastern Dock -30 MTPA Central Dock -20 MTPA Total= 50 MTPA <u>Existing Capacity(excluding SBM)=93.6 MTPA</u> G. Total= 143.6 MTPA
Mechanization Components	Ship Loaders/ Unloaders, Stacker, Reclaimers, Stacker-cum Reclaimers, Track Hopper/ Tipplers, Rapid wagon loading system, development / up-gradation of stack yards and other ancillary facilities required for handling cargo by mechanized means.

- Mechanize the manually operated cargo berths by installing equipment and conveyors and upgrading the overall harbour area covering 1000Ha. Project cost- Rs.2541.18 Cr.
- Mechanization will facilitate cargo handling in environmentally sustainable way through enclosed conveyors eliminating dust generation.

**B. Inner Harbour Expansion including Western Dock**

- The emergence and rapid development of industries in Paradip's hinterland is driving the need to expedite capacity addition and Cape Size vessels handling at

Paradip Port.

- Initially, PPT planned to develop an Outer Harbour. The ToR for carrying out EIA studies on the outer harbour was finalized by MoEF on 17.04.2017 and EIA studies are in progress.
- However, the proposed outer harbour was decided to be taken up in the 2<sup>nd</sup> Phase at a cost about Rs.8667 Crores and the inner harbour including western dock would be implemented in the 1<sup>st</sup> Phase to handle cape size vessels.
- Capacity creation 30 MTPA, Total Capacity(excluding SBM) = 143.6+ 30 = 173.6 MMT

C. Overall Estimated Cost will be Rs.12743.18 Crores.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Development of Outer Harbour, Inner Harbour including Western Dock & Mechanization of existing Operational Berths at Sandhakuda, Orissa by M/s Paradip Port Trust.
- (ii) Earlier ToR was granted by MoEFCC for Development of Outer Harbour Paradip Port Trust, Paradip, Dist Jagatsinghpur, Odisha vide F. No. 21-28/2016-IA-III dated 17<sup>th</sup> April, 2017. However, in pursuance to the minute of the 23<sup>rd</sup> meeting of EAC (Infra-2) on 13.10.2017, fresh Form-1 was submitted integrating the present proposal with the earlier outer harbour proposal.
- (iii) The project/activity is covered under category 'A' of item 7(e) 'Ports, harbours, break waters, dredging' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

*After detailed deliberations on the proposal, the Committee recommended for grant of Terms of Reference as specified by the Ministry as Standard ToR in April, 2015 for the said project/activity in supersession to the Ministry's letter F. No. 21-28/2016-IA-III dated 17<sup>th</sup> April, 2017 and the following ToR in addition to Standard ToR for preparation of EIA-EMP report:*

- (i) This Terms of Reference (ToR) is in supersession of the Ministry's earlier letter F. No. 21-28/2016-IA-III dated 17<sup>th</sup> April, 2017.
- (ii) Importance and benefits of the project.
- (iii) Certified Compliance Report issued by the MoEF&CC, Regional Office or concerned Regional Office of Central Pollution Control Board or the Member Secretary of the respective State Pollution Control Board for the conditions stipulated in the earlier environmental clearance issued for the project along with an action taken report on issues which have been stated to be partially complied or non/not complied.
- (iv) Submit a complete set of documents required as per para 4.2 (i) of CRZ Notification, 2011.
- (v) Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale.
- (vi) Recommendation of the SCZMA.
- (vii) Stage – I forest clearance to be submitted.
- (viii) Various Dock and shipbuilding facilities with capacities for existing and proposed project.
- (ix) List of cargo to be handled along with mode of transportation.

- (x) Layout plan of existing and proposed Port.
- (xi) Study the impact of dredging on the shore line.
- (xii) A detailed impact analysis of rock dredging.
- (xiii) The Air Quality Index shall be calculated for base level air quality.
- (xiv) Study the impact of dredging and dumping on marine ecology and draw up a management plan through the NIO or any other institute specializing in marine ecology.
- (xv) A detailed analysis of the physico-chemical and biotic components in the highly turbid waters round the project site (as exhibited in the Google map shown during the presentation), compare it with the physico-chemical and biotic components in the adjacent clearer (blue) waters both in terms of baseline and impact assessment and draw up a management plan.
- (xvi) Details of Emission, effluents, solid waste and hazardous waste generation and their management in the existing and proposed facilities.
- (xvii) The EIA would also include an affidavit that no Hazardous chemicals as defined under the Environment Protection Act, 1986 are proposed to be handled.
- (xviii) Toxicity Factor to be carried out on treated trade effluent beside chemical analysis.
- (xix) The existing project should avail of and submit consent to operate from the State Pollution Control Board.
- (xx) Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- (xxi) Wastewater management plan.
- (xxii) Details of Environmental Monitoring Plan.
- (xxiii) To prepare a detailed biodiversity impact assessment report and management plan through the NIOS or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity. The report shall study the impact on the rivers, estuary and the sea and include the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, subtidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles , birds etc. as also the productivity. The data collection and impact assessment shall be as per standard survey methods. This plan, duly evaluated and validated by the State Biodiversity Board shall form a part of the EIA report.
- (xxiv) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (xxv) Disaster Management Plan for the above terminal.
- (xxvi) Layout plan of existing and proposed Greenbelt.
- (xxvii) A response to any complaints that have been received by the project against the setting up of the project including the representation submitted by the Conservation Action Trust.

- (xxviii) The details of waste water disposal into the sea, its impacts and Management plan.
- (xxix) Status of court case pending against the project.
- (xxx) Public hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.
- (xxxi) A tabular chart with index for point wise compliance of above TORs.

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

**26.3.2 Captive Jetty, Desalination plant with intake and outfall and related Infrastructures (backup storage, utilities and amenities) for integrated unit of Lakhpat Cement Works at village Kapurasi, Tehsil Lakhpat, District Kutch (Gujarat) by M/s Adani Cementation Limited – Terms of Reference (IA/GJ/MIS/70962/2017; F. No. 10-63/2017-IA-III)**

The project proponent and the accredited Consultants M/s Greencindia Consulting Pvt Ltd and M/s Indomer Coastal Hydraulics (P) Ltd gave a detailed presentation on the salient features of the project and informed that:

- (i) Adani Cementation Limited (ACL) proposes to setup an integrated cement project as Lakhpat Cement Works which includes Limestone Mine in 251.9 ha area, Cement Plant of rated production capacity of 10 MMTPA Clinker as well as 3 MMTPA OPC/ PPC/ PSC/ COMPOSITE CEMENT in three phases, and a berthing jetty of 15 MMTPA bearing capacity in phase wise manner in Taluka Lakhpat, District Kutch (Gujarat).
- (ii) ACL proposes to part grind clinker to produce bulk OPC at Lakhpat and transfer the same to its proposed Blending Unit (BU) in Mumbai, whereas the balance clinker is proposed to be transferred to the proposed Grinding Units (GU) at Mundra, Udupi and Dahej in Phase I. ACL proposes to export any excess clinker which is left after fulfilling the requirements of its proposed GU's and BU's.
- (iii) Activity wise location of the proposed Lakhpat Cement Works is given below:

Mudhvay Limestone Mine	Cement Plant	Conveyor Corridor	Berthing Jetty
Village: Mudhvay, Tehsil Lakhpat, District Kutch (Gujarat)	Village: Koriyani, Tehsil Lakhpat, District Kutch (Gujarat)	Village: Maldo, Mudhvay, Koriyani and Kapurasi, Tehsil Lakhpat, District Kutch (Gujarat)	In Kori Creek with anchorage in Gulf of Kutch and Backup Storage Area near village Kapurasi of Tehsil Lakhpat, District Kutch (Gujarat)

- (iv) The proposed integrated project site is a part of Survey of India Toposheet No. 41A/10.
- (v) ACL proposes that part of the clinker will be grinded at site to produce bulk OPC/PPC/PSC/Composite Cement at Lakhpat and transfer the same to its proposed

blending unit in Raigad (Maharashtra) whereas balance clinker will be transferred to the proposed Grinding Units at Mundra, Dahej and Udupi. For transport of clinker to coastal grinding units, barges will be utilised.

- (vi) Estimated water requirement will be around 9000 KLD, which will be sourced from Arabian Sea. The ACL has proposed to install requisite capacity of dedicated desalination plant to fulfil water demand.
- (vii) During construction phase of jetty around 50 (Direct ~10 & Indirect ~40) Manpower will be required. Whereas during operation stage, it is estimated that total required manpower both as direct and indirect employment will be around ~4 and ~6 respectively.
- (viii) Estimated costs of the project aggregates to around Rs. 450 Crores.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Captive Jetty, Desalination plant with intake and outfall and related Infrastructures (backup storage, utilities and amenities) for integrated unit of Lakhpat Cement Works at village Kapurasi, Tehsil Lakhpat, District Kutch (Gujarat) by M/s Adani Cementation Limited.
- (ii) The project/activity is covered under category 'A' of item 7(e) 'Ports, harbours, break waters, dredging' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.
- (iii) ACL applied for TOR as an integrated project for Clinkerization/Cement Plant, Capture Power Plant Mudhvay Limestone Mine and Berthing Jetty of Lakhpat Cement Works' vide Proposal No. IA/GJ/IND/69706/2017 dated 26.09.2017 to EAC (Industry-1) of MOEFCC.
- (iv) EAC (Industry-1) advised ACL to approach Non Coal Mining and Infrastructure-II & CRZ committee for prescribing respective sector specific TORs vide Minutes of 24<sup>th</sup> EAC (Industry-1) held during 13<sup>th</sup> -15<sup>th</sup> November 2017.
- (v) Accordingly ACL has made fresh application for prescribing specific TOR of 'Jetty, Desalination Plant with Intake/Outfall and related infrastructure (Backup storage utilities and amenities as part of integrated unit of Lakhpat Cement Works' in Kori Creek (Gulf of Kutch) to carryout common procedure as per EIA Notification 2006 & its subsequent amendment.

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

- (i) Importance and benefits of the project.
- (ii) Submit a complete set of documents required as per para 4.2 (i) of CRZ Notification, 2011.
- (iii) Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale.
- (iv) Recommendation of the SCZMA.
- (v) Stage- I forest clearance to be submitted.
- (vi) Various Dock and shipbuilding facilities with capacities for existing and proposed project.
- (vii) List of cargo to be handled along with mode of transportation.

- (viii) Layout plan of existing and proposed Port.
- (ix) Study the impact of dredging on the shore line.
- (x) A detailed impact analysis of rock dredging.
- (xi) Mitigation measures for transport of Clinker/Cement.
- (xii) Details of loading and unloading arrangement for material.
- (xiii) Study the impact of dredging and dumping on marine ecology and draw up a management plan through the NIO or any other institute specializing in marine ecology.
- (xiv) A detailed analysis of the physico-chemical and biotic components in the highly turbid waters round the project site (as exhibited in the Google map shown during the presentation), compare it with the physico-chemical and biotic components in the adjacent clearer (blue) waters both in terms of baseline and impact assessment and draw up a management plan.
- (xv) Details of Emission, effluents, solid waste and hazardous waste generation and their management in the existing and proposed facilities.
- (xvi) The EIA would also include an affidavit that no Hazardous chemicals as defined under the Environment Protection Act, 1986 are proposed to be handled.
- (xvii) The Air Quality Index shall be calculated for base level air quality.
- (xviii) Toxicity Factor to be carried out on treated trade effluent beside chemical analysis.
- (xix) The existing project should avail of and submit consent to operate from the State Pollution Control Board.
- (xx) Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- (xxi) Wastewater management plan.
- (xxii) Details of Environmental Monitoring Plan.
- (xxiii) To prepare a detailed biodiversity impact assessment report and management plan through the NIOS or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity. The report shall study the impact on the rivers, estuary and the sea and include the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, subtidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standard survey methods. This plan, duly evaluated and validated by the State Biodiversity Board shall form a part of the EIA report.
- (xxiv) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (xxv) Disaster Management Plan for the above terminal.
- (xxvi) Layout plan of existing and proposed Greenbelt.

- (xxvii) A response to any complaints that have been received by the project against the setting up of the project including the representation submitted by the Conservation Action Trust.
- (xxviii) The details of waste water disposal into the sea, its impacts and Management plan.
- (xxix) Status of court case pending against the project.
- (xxx) Public hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.
- (xxxi) A tabular chart with index for point wise compliance of above TORs.

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

**26.3.3 Proposed Common Hazardous Waste Incineration Facility at Plot No.125, Gadag Industrial Area, Narasapura, Gadag, Karnataka by M/s. Gadag Envirotech Pvt Ltd. – Terms of Reference (IA/KA/MIS/71167/2017; F. No. 10-64/2017-IA-III)**

The project proponent gave a detailed presentation on the salient features of the project and informed that:

- (i) The proposal is for setting up of Hazardous Waste Incineration Facility at Plot No.125, KIADB Gadag Industrial Area, Narasapura, Gadag District, Karnataka by M/s. Gadag Envirotech Pvt. Ltd.
- (ii) The site is located in KIADB industrial area, Gadag. This site is in between North & South part of Karnataka. The proposed project will cater to the needs of the industries in the Northern Karnataka, industries in Gadag District and in South.
- (iii) Cost of the project is Rs. 2.5 Crores.
- (iv) The project does not falls within 10 km of eco- sensitive area, Name of eco- sensitive area and distance from the project site
- (v) Incinerator - Types of wastes and its disposal will be as follows:

S.No. as per schedule -1	Waste process/waste streams	Disposal options
5.2	Waste/residue containing oil	Shall be collected in secured manner and transported in approved vehicles without causing adverse effect on the environment. After receipt at site, the same is stored in a secured manner. The compatible waste is mixed, analyzed and incinerated.
20.1	Contaminated aromatic, aliphatic waste/ residue containing naphthenic solvents not fit for originally intended use	
20.3	Distillation residues	
21.1	Process wastes, residues, and sludges	
28.1, 29.1	Process residue and wastes	
28.4	off specification products	
28.5	Date-expired products	
29.3	Date expired and off specification pesticides	



- (vi) Water requirement shall be 4 KLD and will be sourced from KIADB sources.
- (vii) Employment potential – 50 Nos Direct and Indirect.
- (viii) Benefits of the project: It will help in scientific secured disposal of incinerable Hazardous waste generated in Northern Karnataka supplementing already operating facilities in the Southern Karnataka. Facility to dispose the Incinerable Hazardous waste generated from industry predominately located in Northern Part of Karnataka.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Proposed Common Hazardous Waste Incineration Facility at Plot No.125, Gadag Industrial Area, Narasapura, Gadag, Karnataka by M/s. Gadag Envirotech Pvt Ltd. having a capacity of 250 kg/hr.
- (ii) The project/activity is covered under category 'A' of item 7(d) 'Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDFs)' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

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

- (i) Importance and benefits of the project.
- (ii) The E.I.A. would address to the conformity of site to the stipulations as made in the Hazardous and other wastes (Management, handling and trans boundary movement) Rules 2016 and will have a complete chapter indicating conformity to the said rules.
- (iii) The project proponents will submit a certificate from the competent authority that the Industrial areas are approved and Hazardous waste incinerators are not disallowed in such clearances. Subject to the competent authority certifying as above, the project could be exempt from public hearing.
- (iv) Project proponents would also submit a write up on how their project proposals conform to the stipulations made in the "Protocol for Performance evolution and monitoring of the Common Hazardous Waste Treatment Storage and Disposal facilities including common Hazardous Waste incinerators", published by the CPCB on May 24, 2010.
- (v) Status of compliance to the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- (vi) Compliance to the conditions of the consent to operate and authorization for the existing facilities.
- (vii) Details of various waste management units with capacities for the proposed project.
- (viii) List of waste to be handled and their source along with mode of transportation.
- (ix) Other chemicals and materials required with quantities and storage capacities.
- (x) Details of temporary storage facility for storage of hazardous waste at project site.
- (xi) Details of pre-treatment facility of hazardous waste at TSDF.
- (xii) Details of air emissions, effluents, hazardous/solid waste generation and their management.

- (xiii) Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- (xiv) Process description along with major equipments and machineries, process flow sheet (quantitative) from waste material to disposal to be provided.
- (xv) Hazard identification and details of proposed safety systems.
- (xvi) Layout maps of proposed Solid Waste Management Facilities indicating storage area, plant area, greenbelt area, utilities etc.
- (xvii) Details of Drainage of the project up to 5 km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided.
- (xviii) Ground water quality monitoring in and around the project site.
- (xix) The Air Quality Index shall be calculated for base level air quality.
- (xx) Status of the land purchases in terms of land acquisition Act and study the impact.
- (xxi) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- (xxii) R&R details in respect of land in line with state Government policy.
- (xxiii) Details of effluent treatment and recycling process.
- (xxiv) Leachate study report and detailed leachate management plan to be incorporated.
- (xxv) Action plan for measures to be taken for excessive leachate generation during monsoon period.
- (xxvi) Action plan for any pollution of ground water is noticed during operation period or post closure monitoring period.
- (xxvii) Detailed Environmental Monitoring Plan as well as Post Closure Monitoring Plan.
- (xxviii) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- (xxix) A tabular chart with index for point wise compliance of above ToR.

*It was recommended that 'TOR' prescribed by the Expert Appraisal Committee (Infrastructure- 2) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. The Committee exempted Public hearing as per para 7(i) III Stage (3)(i)(b) of EIA Notification, 2006 for preparation of EIA/EMP Report, being site is located in the Notified industrial area.*

**26.3.4 Modernization of Navlakhi Port by way of 1) Mechanization of the existing facilities & 2) Construction of new mechanized jetty by M/s Gujarat Maritime Board - Environmental and CRZ Clearance (IA/GJ/MIS/27340/2015; F.No. 10-14/2015-IA-III)**

The project proponent and the accredited Consultant M/s Cholamandalam MS Risk Services Limited gave a detailed presentation on the salient features of the project and informed that:

- (i) Navlakhi Port is one of the natural, non-major, intermediate port that functions under the Gujarat Maritime Board (GMB), the first Maritime Board of India that established in 1982

as a statutory organization of Government of Gujarat (GoG), under the Gujarat Maritime Act 1981. The port is located at 22°58'25"N latitude and 70°27'24"E longitude at the mouth of Gulf of Kutch, in Hansthal creek between the headland of Varsamedi and Sui creeks at Navlakhi village, Maliya Tehsil, Morbi district, Gujarat, along the west coast of India.

- (ii) Currently, the port handles 4MTPA of coal cargo with the four existing berth facilities with associated backup area. The Port is well connected with SH-24 and western railway till the port premises. The existing cargo handling operation of the port facility is manual and partly mechanical using dozers that leads environmental pollution to the nearby environment. In order to handle the dusty cargoes in environmental friendly manner, GMB proposed to modernize the existing port operation facilities by way of 1) Mechanization of existing facilities and 2) Construction of New mechanized jetty. Other major activities in the project proposal includes reclamation of 5.76Ha in the intertidal region, increase in the cargo handling capacity from 4MTPA to 20MTPA with additional infrastructure facilities, the capital dredging of 407592m<sup>3</sup> and maintenance dredging of 41350m<sup>3</sup> respectively.
- (iii) Terms of Reference (ToR) has been obtained for the said project vide F.No.10-14/2015-IA.III dated 23<sup>rd</sup> June 2015 and F.No.10-14/2015-IA.III dated 20<sup>th</sup> Sept. 2016 for an amendment for the additional berthing facilities. Accordingly, EIA report has been prepared by addressing all the ToR conditions through M/s.Cholamandalam MS Risk Services Limited, a QCI/NABET accredited EIA Consulting Organization.
- (iv) Public Hearing for the above project has been conducted on 25<sup>th</sup> April 2017 at Navlakhi Port, Navlakhi Village, Maliya Taluk, Morbi District, Gujarat.
- (v) Recommendation from Gujarat Coastal Management Authority (GCZMA) has been obtained vide letter no.ENV-10-2017-62-E (T cell) dated 18<sup>th</sup> August 2017.
- (vi) As the Navlakhi region is covered with Silty Clay, maintenance dredging will be done once in four to five years based on the current experience. As per the Numerical Modeling study, the dredge disposal site is identified at 22°59'10.25" N and 70°29'37.92" E. Capital dredging : 407592m<sup>3</sup> , Maintenance dredging : 41350m<sup>3</sup>
- (vii) During operation approx. 0.3MLD water is required, which will be supplied by Gujarat Water Supply and Sewerage Board. Waste water from Vehicular/wheel wash areas, runoff water from coal stock piles will be collected and stored in catchment pits to remove the suspended dust particles and the same will be reused for dust control measures.
- (viii) Separate solid waste collection bins will be facilitated at waste generation areas within the port facility to collect the recyclable/non-recyclable/hazardous wastes, as per the Municipal/GPCB guidelines. Hazardous wastes generated during the construction and operation phases of the port facility will be collected and disposed through authorized vendors as per the GPCB/MoEF guidelines
- (ix) Investment/Cost of the project is 321.58 Crore
- (x) Employment potential: About 500 peoples will get direct/indirect employment due to the proposed project.
- (xi) Benefits of the project: The proposed mechanization will result in overall improvement in the cargo handling and significant reduction in fugitive dust emissions. The proposed project is expected to generate direct and indirect employment of 500 personal during the construction and operation phase. Apart from this, induced development is envisaged such as setting up of auxiliary industry services related to civil, mechanical, electrical related works. The auxiliary services such as construction material transportation, migrant labors movements, taxi services, eateries, heavy vehicles driving skill sets,

service station/garages for construction equipment and heavy vehicles will induce the demand and promote the local economy.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Environmental and CRZ Clearance to the project 'Modernization of Navlakhi Port by way of 1) Mechanization of the existing facilities & 2) Construction of new mechanized jetty by M/s Gujarat Maritime Board.
- (ii) The project/activity is covered under category 'A' of item 7 (e) i.e. Ports, harbours, break waters, dredging' of the schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central level.
- (iii) Terms of Reference (ToR) was granted by MoEFCC vide F.No.10-14/2015-IA.III dated 23<sup>rd</sup> June 2015 and F.No.10-14/2015-IA.III dated 20<sup>th</sup> Sept. 2016 for an amendment for the additional berthing facilities.
- (iv) Public Hearing for the project has been conducted on 25<sup>th</sup> April 2017 at Navlakhi Port, Navlakhi Village, Maliya Taluk, Morbi District, Gujarat.

*After detailed deliberation, the Committee sought following additional information:*

- (i) Point-wise compliance to the order of Hon'ble National Green Tribunal (Western Zone), Pune in Application No. 41/2013(WZ) between Rajendrasinh Mansinh Kashtrya, Vs Gujarat Pollution Control Board, Gujarat Maritime Board and State of Gujarat.
- (ii) Response to the representation submitted by the Conservation Action Trust.
- (iii) Certificate from Chief Wildlife Warden stating the proposed site is outside the boundary of Eco Sensitive Zone.
- (iv) Submit tabular description of proposed activities in CRZ Area duly certified by NCSCM.
- (v) A copy of the Marine biodiversity management plan duly validated by the State Biodiversity Board
- (vi) No Objection Certificate from the concerned State Pollution Control Boards for the projects involving discharge of effluents, solid wastes, sewage and the like.
- (vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (viii) A detailed Plan for green belt development.
- (ix) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- (x) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (xi) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D.

and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

*The proposal was, therefore, deferred till the desired information is submitted.*

**26.3.5 Modernization & Expansion of Existing Common Hazardous Waste Incineration Facility at Plot No. A-166 & F/162-165, RIICO Industrial Area, Behror-301701, Dist: Alwar Rajasthan by M/s Continental Petroleums Ltd - Environmental Clearance (IA/RJ/MIS/31447/2015; F.No. 10-28/2015-IA-III)**

The project proponent and the accredited Consultant M/s En-Vision Environmental Services gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at Plot No. A-166 & F/162-165, RIICO Industrial Area, Behror-301701, Dist: Alwar (Rajasthan). Project site located at Latitude -27°54'07.50"N, Longitude- 76°18'25.30"E.
- (ii) The proposal is for modernization & expansion of existing Common Hazardous Waste Incineration Facility (Existing Capacity 375 Kg/hr, Proposed Capacity 750 kg/hr of liquid and solid Hazardous waste)
- (iii) The details of Total area and land Use are as follows:

S.No.	LAND USE	EXISTING (sqm)	PROPOSED (sqm)	TOTAL (sqm)
1.	Plant Facility	793.0	270.0	1063.0
2.	Storage area	2430.0	500.0	2930.0
3.	Office Buildings	159.0	50.0	209.0
4.	Utilities + ETP	160.0	190.0	350.0
5.	Green belt area	3600.0	720.0	4320.0
6.	Loading/ unloading & Miscellaneous area	340.0	150.0	490.0
7.	Parking	250.0	120.0	370.0
8.	Open and road area	12268.0	(- 2000)	10268.0
<b>Total</b>		<b>20000.0</b>	<b>2000.0</b>	<b>20000.0</b>

- (iv) The project components are as follows:

S.No.	Particular	Capacity
1.	Incineration plant	750 kg/hr (250 kg/hr Liquid Organic + Aqueous waste and 500 kg/hr solid waste) for Thermal capacity 1.8 M k.cal/hr
2.	Waste Heat Recovery Boiler	1.5 Ton/hr (approx)

- (v) Standard ToR was granted by MoEFCC vide F. No. 10-28/2015-IA-III dated 15.12.2015.
- (vi) Public hearing was done on 09.08.2017 at Tehsil karyalay, Behror.
- (vii) Water requirement is proposed 7.3 KLD and Total 23.3 KLD met from main supply of RIICO'S water supply line and also a captive bore well (permitted by RIICO) to meet the emergency requirement.
- (viii) The total industrial waste water generated from the proposed project is 8.3 KL/day. Out of which 7.3 KL from scrubber bleed and from drum washing will be treated in proposed in-house ETP. The treated water will be used for spraying in quencher. About 1.0 KLD generated from blow-down of steam boiler and cooling tower will be solar evaporated. The domestic waste water 1.3 KLD will be disposed through septic tank and soak pit

system. Hence the system is Zero discharge. The unit proposes to install effluent treatment plant of 10 KLD capacities to treat waste water coming from Scrubber bleed and drum and barrel washing.

(ix) Solid Waste and Hazardous Waste Management will be done as follows:

S. No.	Description of Hazardous waste	Waste Category	Waste generating process/step	Total Proposed Quantity	Method of Disposal
1.	Used oil	5.1	From DG Sets, Pumps, Compressors etc	20.0 L/ month	It will be re-used as lubricants in the machineries within the premises/recycle back to incinerator.
2.	Ash	37.2	Incineration of Haz. Waste flue gas cleaning residue	33.0 t/month	Rajasthan Waste Management Project (RAMKY Enviro Engineers Ltd.), Village - Gudli in Udaipur
3.	Sludge Salt generated from Spray quencher	37.1	Spray Quencher	27.0 T/ month	Rajasthan Waste Management Project (RAMKY Enviro Engineers Ltd.), Village - Gudli in Udaipur
4.	Discarded Containers/Liners/ Bags	33.1	From Raw material storage	10.0 T/ month	Collection, Storage, decontamination and selling to RSPCB authorized vendor.
5.	ETP Sludge	35.3	From effluent treatment plant	0.3 T/ month	Rajasthan Waste Management Project (RAMKY Enviro Engineers Ltd.), Village - Gudli in Udaipur

(x) Investment/Cost of the project is Rs 1.545 crore.

(xi) Employment potential: 30.

(xii) Benefits of the project: Employment generation to nearby area, CSR activity carried out.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Environmental Clearance to the project 'Modernization & Expansion of Existing Common Hazardous Waste Incineration Facility at Plot No. A-166 & F/162-165, RIICO Industrial Area, Behror-301701, Dist: Alwar Rajasthan by M/s Continental Petroleums Ltd.
- (ii) The project/activity is covered under category 'A' of item 7(d) 'Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDFs)' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.
- (iii) Standard ToR was granted by MoEFCC vide F. No. 10-28/2015-IA-III dated 15.12.2015.
- (iv) Public hearing was done on 09.08.2017 at Tehsil karyalay, Behror.

*The EAC deliberated upon the issues raised during the Public Hearing/Public Consultation meeting conducted by the Rajasthan State Pollution Control Board on 09.08.2017. The issues were raised regarding employment, generation of pollution and CSR. The Committee noted that issues have satisfactorily been responded by the project proponent and incorporated in the final EIA-EMP report.*

*The EAC, on being satisfied with the submissions of the project proponent, recommended the project for grant of environmental clearance and stipulated the following specific conditions along with other environmental conditions while considering for accord of environmental clearance:*

- (i) Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- (ii) The Project proponent should ensure that the TSDF fulfils all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.
- (iii) No ground water shall be used.
- (iv) The TSDF should only handle the waste generated from the member units.
- (v) As proposed, air pollution control device viz. gas quencher; treatment with mixture of hydrated lime and activated powder for adsorption of partial acidity and VOCs (if any); bagfilter/ESP for removal of particulate matter; ventury scrubber followed by packed bed scrubber with caustic circulation to neutralize the acidic vapours in flue gas; and demister column for arresting water carry over will be provided to the incinerator. Online pollutant monitoring shall be provided as per CPCB guidelines for monitoring particulate matter, SO<sub>2</sub>, NO<sub>x</sub> and CO from the incinerator stack. The periodical monitoring of Dioxins and Furans in the Stack emissions shall be carried out.
- (vi) Analysis of Dioxins and Furans shall be done through CSIR – National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory.
- (vii) The project proponents shall adhere to all conditions as prescribed in the Protocol for 'Performance Evaluation and Monitoring of the Common Hazardous waste treatment, storage and disposal facilities' published by the CPCB in May, 2010.
- (viii) Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.
- (ix) Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the State Pollution Control Board / CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.
- (x) Ambient air quality monitoring shall be carried out in and around the landfill site at up wind and downwind locations.
- (xi) The depth of the land fill site shall be decided based on the ground water table at the site.
- (xii) Environmental Monitoring Programme shall be implemented as per EIA report and guidelines prescribed by CPCB for hazardous waste facilities. Periodical ground water/soil monitoring to check the contamination in and around the site shall be carried out.
- (xiii) The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.
- (xiv) On line real time continuous monitoring facilities shall be provided as per the CPCB or State Board Directions.
- (xv) No non hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, shall be handled in the

premises.

- (xvi) Gas generated in the Land fill should be properly collected, monitored and flared.
- (xvii) Project Proponent shall develop green belt with native plant species that are significant and used for the pollution abatement. At least 10 m thick greenbelt shall be developed in the periphery of hazardous waste facility.
- (xviii) Project should ensure that the site is properly cordoned off from general movement and no unauthorized person or goods permitted to enter the premises. Necessary security provision should be made as a condition in the Authorisation under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 to prevent unwanted access.
- (xix) Pre medical check-up to be carried out on workers at the time of employment and regular medical record to be maintained.
- (xx) Emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health or environment from fires, explosion or any unplanned sudden or non sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water.
- (xxi) Rain water runoff from the landfill area and other hazardous waste management area shall be collected and treated in the effluent treatment plant.
- (xxii) The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/GPCB.

**26.3.6 Development of Heliport at Kasna Village, Gautam Budha Nagar, Gautam Budha District Uttar Pradesh by M/s Greater Noida Industrial Development Authority Ltd – Environmental Clearance ( IA/UP/MIS/28003/2015; F.No. 10-23/2016-IA.III)**

The project proponent and the accredited Consultant M/s RITES gave a detailed presentation on the salient features of the project and informed that:

- (i) Greater NOIDA Industrial Development Authority (GNIDA), intends to develop a heliport for the operations at Greater NOIDA, (UP), with the primary objective of providing independent helicopter operations from Greater NOIDA to Delhi, Lucknow, Agra, Jaipur and other parts of the country.
- (ii) The heliport site is located along Yamuna Express way from Greater NOIDA to Agra opposite Gautam Budh University in Greater NOIDA, having an area of 15.5 Acres with an elevation of 195.0 m above mean sea level and the average gradient of 0.2 m per km. The proposed facilities at the heliport are given below:

S. No.	Component	Details
1	Touchdown and Liftoff (TLOF) Area	21m X 21m
2	Final Approach and Take Off (FATO) Area	30m X 30m
3	Total Paved Area	300m X 30m
4	Safety Area	420m X 90m
5	Parking Apron	1 parking position for MI-172 type Helicopter 2 parking positions for Bell 412/407 type Helicopter
6	Hangers	2 nos of size 40m X 25m. Two (2) more hanger of smaller size are proposed for future traffic.
7	Passenger Terminal Complex	500 sqm, Reception Desk, Check-in Counters, Passenger lobby/waiting area, Shops, ATM facilities, Washrooms, and Administrative Space
8	Car Parking	for 25 cars
9	ATC Building	Building Area: 104 sqm, Tower Area: 36 sqm



10	Fuel System	5m wide X 8m long X 5m high shed to house 20 to 25 nos of 200 liter fuel barrels.
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- (iii) ToR was granted by Ministry vide letter F.No. 10-23/2016-IA-III dated 04.05.2016.
- (iv) Public Hearing was done on 07.12.2016 near Gautam Buddh University, Kasna Village, Greater Noida.
- (v) During Construction water requirement will be 6.85 KLD. During Operation, water requirement will be 81.5 KLD which will be sourced from GNIDA. Waste water generated during construction will be 1.44 KLD (Treatment: Septic Tank and Soak Pit) and during operation will be 8.97 KLD (Treatment: Packaged STP of 12 KLD). After treatment, about 8.72 KL/day treated effluent will be used for floor washing & horticulture and Flushing.
- (vi) Solid Waste Generation will be 84 kg/day, Separate Waste Collection bins shall be provided for biodegradable and non-biodegradable.
- (vii) Investment/Cost of the project is **Rs. 50.20 Crore**.
- (viii) Employment potential: 40 persons per day during peak construction and about 50 Officials and staff required during Operation phase
- (ix) Benefits of the project: Employment Opportunities, Improved Air Transport Facility, Better Tourism and Emergency Utility.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Environmental Clearance to the project 'Development of Heliport at Kasna Village, Gautam Budha Nagar, Gautam Budha District Uttar Pradesh by M/s Greater Noida Industrial Development Authority Ltd.
- (ii) ToR was granted by Ministry vide letter F.No. 10-23/2016-IA-III dated 04.05.2016.
- (iii) Public Hearing was done on 07.12.2016 near Gautam Buddh University, Kasna Village, Greater Noida.
- (iv) The project/activity is covered under category 'A' of item 7(a) i.e., Air Port of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central level.

*After deliberation on the proposal, the Project Proponent was advised to submit the following documents/certificates:*

- (i) A noise management plan, to the satisfaction of the CPCB and the Airport Authority of India, to ensure compliance to the prescribed standards.
- (ii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (iii) A certificate of adequacy of available power from the agency supplying power to the

project along with the load allowed for the project shall be submitted.

- (iv) The EIA would include a certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (v) The EIA would include a parawise response and action plan to the issues raised during the Public hearing and the nearby Hospital and University.

*The proposal was, therefore, deferred till the desired information is submitted.*

**26.3.7 Proposed Expansion of Common Integrated Incineration Facility at Plot No. 342 B, 2nd Phase, Harohalli Industrial Area, Kanakapura Taluk, Ramanagara District, Karnataka by M/s E Nano Incintech – Environmental Clearance (IA/KA/MIS/62543/2017; F.No. 10-26/2017-IA-III)**

The project proponent and the accredited Consultant M/s En-vision Enviro Technologies Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) The proposal is for proposed expansion of Common Hazardous Waste Incineration facility at plot no. 342 B, 2<sup>nd</sup> Phase, Harohalli Industrial Area, Kanakapura Taluk, Ramanagara District, Karnataka. (Increasing the operational hours by keeping the installed incinerator capacity same).
- (ii) Proposed project is only an expansion proposal i.e., increasing the operational hours 8 hours/ day to 16 hours/day and capacity will be increase from 1200 MTA to 2400 MTA. Without increase in pollution load, total area of the project is 4043 sqm, project components remain same as per previous EC. Project site is located within notified industrial area and hence has well connected with NH and SH.
- (iii) ToR was granted to the project by MoEFCC vide letter 10-26/2017-IA-III dated 10<sup>th</sup> August 2017.
- (iv) Water requirement for the proposed expansion is 2 KLD and met from KIADB. There is no increase in water requirement.
- (v) The domestic water consumption is 0.9 KLD and wastewater generation is 0.7 KLD & is disposed to septic tank followed by soak pit and 0.7 KLD of water is utilized for industrial use for scrubber spraying and the effluent generated from scrubber is disposed to CETP of M/s. Pai & Pai Chemicals located at Kumbalagodu Industrial Area. Industrial effluent will be neutralized and sent to Common Effluent Treatment Plant (CETP) for further treatment and disposal.
- (vi) Hazardous Waste Management will be as follows:

S. No.	Type of Hazardous Waste	Quantity		Source	Waste Management Details Reuse/Recycle/Disposal
		Existing	After Amendment		
1	Used/Spent oil	0.1 KL/A	0.1 KL/A	Prime Movers	Reuse in plant for lubrication and/or Selling to authorized processor.
2	Incineration ash	100 MT/A	200 MT/A	Incinerator	Incineration ash is disposed to SPCB authorized secured landfill cell in Bangalore

- (vii) Investment/Cost of the project is Rs.3.1655 Crore.

- (viii) Employment potential: 42 Nos.
- (ix) Benefits of the project: Scientific disposal of hazardous waste, Minimization of environmental impact, Industrial growth and illegal dumping of hazardous waste can be controlled.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Environmental Clearance to the project 'Proposed Expansion of Common Integrated Incineration Facility at Plot No. 342 B, 2nd Phase, Harohalli Industrial Area, Kanakapura Taluk, Ramanagara District, Karnataka by M/s. E Nano Incintech.
- (ii) ToR was granted to the project by MoEFCC vide letter 10-26/2017-IA-III dated 10<sup>th</sup> August 2017.
- (iii) The project/activity is covered under category 'A' of item 7(d) Common hazardous waste Treatment, Storage and Disposal Facilities (TSDFs) of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

*The EAC deliberated on the Certified Compliance Report letter F. No. EP/12.1/2012-13/22/KAR dated Nil (site visit date 22.08.2017) issued by the MoEF&CC's Regional Office (SZ), Bangalore. The Committee noted that the compliance of the EC condition was inter-alia found satisfactory. The EAC, on being satisfied with the submissions of the project proponent, recommended the project for grant of environmental clearance and stipulated the following specific conditions along with other environmental conditions while considering for accord of environmental clearance:*

- (i) No objection Certificate from the Gujarat Pollution Control Board shall be obtained before initiating the project.
- (ii) The Project proponent should ensure that the TSDF fulfils all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.
- (iii) No ground water shall be used.
- (iv) The TSDF should only handle the waste generated from the member units.
- (v) As proposed, air pollution control device viz. gas quencher; treatment with mixture of hydrated lime and activated powder for adsorption of partial acidity and VOCs (if any); bagfilter/ESP for removal of particulate matter; ventury scrubber followed by packed bed scrubber with caustic circulation to neutralize the acidic vapours in flue gas; and demister column for arresting water carry over will be provided to the incinerator. Online pollutant monitoring shall be provided as per CPCB guidelines for monitoring particulate matter, SO<sub>2</sub>, NO<sub>x</sub> and CO from the incinerator stack. The periodical monitoring of Dioxins and Furans in the Stack emissions shall be carried out.
- (vi) Analysis of Dioxins and Furans shall be done through CSIR – National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory.
- (vii) The project proponents shall adhere to all conditions as prescribed in the Protocol for 'Performance Evaluation and Monitoring of the Common Hazardous waste treatment, storage and disposal facilities' published by the CPCB in May, 2010.
- (viii) Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.

- (ix) Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the State Pollution Control Board / CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.
- (x) Ambient air quality monitoring shall be carried out in and around the landfill site at up wind and downwind locations.
- (xi) The depth of the land fill site shall be decided based on the ground water table at the site.
- (xii) Environmental Monitoring Programme shall be implemented as per EIA report and guidelines prescribed by CPCB for hazardous waste facilities. Periodical ground water/soil monitoring to check the contamination in and around the site shall be carried out.
- (xiii) The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.
- (xiv) On line real time continuous monitoring facilities shall be provided as per the CPCB or State Board Directions.
- (xv) No non hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, shall be handled in the premises.
- (xvi) Gas generated in the Land fill should be properly collected, monitored and flared.
- (xvii) Project Proponent shall develop green belt with native plant species that are significant and used for the pollution abatement. At least 10 m thick greenbelt shall be developed in the periphery of hazardous waste facility.
- (xviii) Project should ensure that the site is properly cordoned off from general movement and no unauthorized person or goods permitted to enter the premises. Necessary security provision should be made as a condition in the Authorisation under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 to prevent unwanted access.
- (xix) Pre medical check-up to be carried out on workers at the time of employment and regular medical record to be maintained.
- (xx) Emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health or environment from fires, explosion or any unplanned sudden or non sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water.
- (xxi) Rain water runoff from the landfill area and other hazardous waste management area shall be collected and treated in the effluent treatment plant.
- (xxii) The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/GPCB.

**26.3.8 Proposed “Shriram Grand City” at village Uttarpara, District Hoogly, West Bengal by M/s Bengal Shriram Hi-Tech City Private Limited - Environmental Clearance (IA/WB/NCP/64951/2017; F.No. 21-181/2017-IA-III)**

The project proponent and the accredited Consultant M/s PERFECT Enviro Solutions Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) The project will be located at Latitude- 22°41'37.89"N and longitude- 88°19'58.41"E
- (ii) The project is a new project. The proposed Project Shriram Grand City at Uttarpara,

District-Hooghly, West Bengal will be developed by M/s Bengal Shriram Hitech City Pvt. Ltd. Provisional Environmental Clearance was granted to the project by the SEAC, West Bengal, vide letter No. 40-2N-36/2008 (E) dated 19.01.2009 for plot area 12,70,850.0 sqm (314.0 Acres) and Built up Area- 24,91,918.36 sqm. The permission for development & Sanction of building Plan for Phase-I of the Mix-use development project was taken from KMDA for built up area 99290.99 sqm dated 30.11.2010.

- (iii) The Environmental Clearance was granted for construction of Phase I of Shriram Grand City vide letter no. 843/EN/T-II-I/014/2008 dated 01.04.2015 for built up area of 99,290.99 sqm and plot area 60,823.404 sqm (11.04 Acre for residential Parcel & 3.99 Acre for water body) for Phase I, however, the construction has not started at site.
- (iv) The permission for development & Sanction of building Plan for Phase-I of the Mix-use development project was again taken from KMDA for built up area 1,89,256.78 sqm on 60,823.404 sqm (11.04 Acre for residential Parcel & 3.99 Acre for water body) dated 23.11.2016.
- (v) Again, due to change in planning, the PP is applying for the Environmental Clearance for total plot area 1270884.0 (314.0 Acres including Phase I) and built up area of the project will be 3143536 sqm. Hence, it falls under Activity 8 (b) category A of EIA notification, 2006. The project will be comprising of various activities i.e, Dwelling units, Retail, Shopping Complex, Hospital, Hotel, Mall, IT/IT offices, School, College, Recreational and Automotive Ancillary Industry.
- (vi) The estimated project cost will be Rs. 6200 Crores. The ground coverage of the proposed project will be 4,29,983.1 sqm. The total FAR will be 28,72,760 sqm. The Non-FAR of the proposed project will be 2,70,775.93 sqm. The total built-up area of the project will be 31,43,536 sqm. The green belt development area will be kept as 3,29,009.4 sqm (25.88%). Maximum no. of floors will be G+20 for the project and maximum height of building will be 76 m. Total population of the project will be 219626 Nos.
- (vii) The total water requirement of the project will be 22426 KLD. The source of water will be Kolkata Metropolitan Water and Sanitation Authority (KMW&SA). The total waste water generation will be 18086 KLD (18.08 MLD). The waste water shall be treated through the Sewage Treatment Plant (STP) of combined capacity 22.0 MLD. 9613 KLD of treated water will be reused in flushing, gardening, DG Cooling, HVAC Cooling & Misc. 7569 KLD of treated water from STP shall be discharge to the Sewer line. As the water table of the proposed project is very high therefore, total 7 No. of RWH tanks and water body (30.1 Acre) are proposed for storm water recharging to ground.
- (viii) Solid waste generation from the proposed project will be 73971 Kg/day. From the proposed project the biodegradable waste (51780 Kg/ day) shall be treated in Solid waste treatment plant proposed within the project, recyclable waste generated (18493 Kg/day) and Plastic waste (3698 Kg/day) will be handed over to authorized recycler, biomedical waste generated with hospital proposed in the project will be (150 Kg/day) shall be sent to CBMWTF and Used Oil of 120 lit/month shall be collected in leak proof containers at isolated place and then it will be given to approved recycler. E- Waste of 10-12 kg/ month will be collected and given to approved recycler.
- (ix) The total power requirement will be 230 MVA which will be provided by West Bengal State Electricity Distribution Company Limited. 140 no of D.G. Set of various capacities shall be installed & the D.G. sets shall be kept acoustically enclosed & installed with anti-vibration pads and will be used during Power failure only. Hence, to avoid the emissions, stack height of 6 m above roof level for each D.G. sets shall be installed to reduce the air emissions, meeting all the norms prescribed by CPCB.

- (x) As the water table of the proposed project is very high therefore, total 7 No. of RWH tanks and water body (30.1 Acre) are proposed for storm water recharging to ground.
- (xi) Adequate parking provision shall be provided in the project of 29823 ECS (for Residential-22698 ECS & Commercial- 7125) as Surface parking.
- (xii) Energy Conservation measures
- Usage of energy efficient Lifts (VVVF Non-gear lifts).
  - Usage of energy efficient / load sharing DG sets to save 10% energy.
  - Providing solar power by PV panels.
  - Providing LED Lamps instead of fluorescent lamps for common area.
  - Providing LED lamp instead of HPSV /Metal halide lamps for street lighting.
  - Providing LED Lamps instead of T-8 lamps for Basement lighting and going with electronic ballast instead of copper ballast.
  - Use of energy efficient Motor By replacing the energy efficient motor class 2 to class 1.
- (xiii) Eco-sensitive area lies within 10 km radius. Surface water bodies exist within site.
- (xiv) There is no court case pending against the project but 1 (one) pending Public Interest Litigation relating to Project.
- (xv) Investment/Cost of the project is Rs. 6200 Crores.
- (xvi) Employment potential: Labourers during construction phase 200 no. and about 24512 personnel as staff during operation phase.
- (xvii) Benefits of the project: It will increase Infrastructure of the area & will provide housing facility, educational facility, commercial area and open space with all other basic amenities to various classes of people. It will provide healthy, green & safe premises for living. People have more open and green spaces, bringing them closer to nature. People live, stay and recreate; and have immediate access to entertainment facilities in a single, spacious and secured area.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of environmental clearance to the project 'Proposed "Shriram Grand City" at village Uttarpara, District Hoogly, West Bengal by M/s Bengal Shriram Hi-Tech City Private Limited in a total plot area of 1270884.0 (314.0 Acres including Phase I) and built-up of 31,43,536 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006, and requires appraisal at central level by the sectoral EAC in the Ministry.
- (iii) The project was granted Standard ToR by MoEFCC vide letter No. 21-181/2017-IA-III dated 20.07.2017.

*After deliberation on the proposal, the Committee recommended the project for grant of environmental clearance and stipulated specific conditions along with other environmental conditions while considering for accord of environmental clearance subject to the submission of following Certificates/Documents:*

- (i) The Air Quality Index shall be calculated for base level air quality.
- (ii) A detailed report on compliance to ECBC norms.
- (iii) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity

	<p>of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.</p> <p>(iv) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.</p> <p>(v) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.</p> <p>(vi) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.</p> <p>(vii) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.</p> <p>(viii) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.</p>
<p><b>26.3.9</b></p>	<p><b>Proposed expansion. at S. No. 105 – 110, Manjri Budruk, Taluka Haveli, District Pune, Maharashtra by M/s SEZ Bio-tech Services Pvt. Ltd – Environmental Clearance (IA/MH/NCP/61412/2016; F.No. 21-39/2017-IA-III)</b></p> <p>The project proponent and the accredited Consultant M/s MITCON Consultancy and Engineering Services Limited gave a detailed presentation on the salient features of the project and informed that:</p> <p>(i) The project is located at 18°30'50.06"N Latitude and 73°57'40.65"E longitude.</p> <p>(ii) This is an expansion project. Earlier Environmental Clearance was received from SEIAA, Maharashtra under item 8 (a) of schedule, with a total built-up area of 1,40,000 sqm vide Letter No. SEAC-2014/CR-444/TC-I dated 3<sup>rd</sup> September, 2014. Now it is proposed to expand the project construction activity taking the total built-up area 259953.03 sqm (existing + proposed). With reference to Certified Monitoring report by RO, MoEF&amp;CC Nagpur dated 20.11.2017 construction of built-up area of 1,34,550.87 sqm has been completed.</p> <p>(iii) The total plot area is 1,61,201.00 sqm. The project will comprise of 21 Buildings. FSI area is 1,74,335.64 sqm and total construction area of 2,59,953.03 sqm. Maximum height of the building is 33.60 m.</p> <p>(iv) During construction phase, total water requirement is expected to be 50 KLD which will be met by water from tanker.</p> <p>(v) During operational phase, total water demand of the project is expected to be 3000KLD and the same will be met by the 1940 KLD Recycled Water and 1060 KLD Fresh Water supplied by Irrigation Department, Pune. Wastewater generated (2840 KLD) uses will be treated in STP of total 400 KLD capacity&amp; ETP of 2600 KLD capacity. 1940 KLD of treated wastewater will be recycled. Excess treated sewage around 237 KLD will be</p>

discharge to nearest drainage line.

(vi) Solid Waste Management –

Sr.	Source	Qty	Management
1.	Ash from briquette boiler	15 MT/day	sale for recycling/Manure
2.	Biological sludge from ETP	0.5 MT/day	Use as Manure
3.	Paper /packaging waste	1.0 MT/day	Sale to the party for recycling
4.	Metal/wooden scrap	1.0 MT/day	Sale to the party.
5.	Broken glass	0.5 MT/day	Sale to the party for recycling
6.	Food Waste & Horticulture	500 KG/day	Composting & used as manure

(vii) Hazardous Waste Management – As per guideline of CPCB.

Sr.	Source	Qty	Management
1.	Incineration Ash	30 Kg/day	CHWTSDf
2.	Expired medicines / chemicals	300 kg/day	CHWTSDf/ Return back to manufacturer
3.	Lead Acid Batteries	200 Nos / Year	CHWTSDf / Approved vendor
4.	Incinerator Scrubber residue / chemical sludge	125 kg/month	CHWTSDf
5.	Containers / glass bottles	500 small containers or bottles / month	To recyclers
6.	Waste oil/ Used oil	10 KL/Year	For reprocessing and recycling
7.	Solid from dryer (Dry basis)	2.0 MT /day	CHW -TSDf / Sale to authorized party
8.	Chemical sludge from ETP	2 MT/day	CHW -TSDf / Sale to authorized party
9.	E- waste	as & when generated	Sale to authorized party

(viii) The total power requirement during construction phase is 375KW and will be met from MSEDCL / D.G. set and total power requirement during operation phase is 15 MVA and will be met from MSEDCL.

(ix) Rainwater that can be harvested in 2 tanks proposed with capacity 4000 cum.

(x) Parking facility for 1493 four wheelers and 138 two wheelers is proposed to be provided against the requirement of 1493 and 136 respectively (according to local norms).

(xi) Proposed energy saving measures would save about 10% of power.

(xii) It 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.650.0crore.

(xv) Employment potential - SEZ project is proposed; direct & indirect employment is envisaged.

(xvi) Benefits of the project: – Employment generation, additional revenue for proponent & government, economy improvement, landscape development, CSR activities.

*The Committee noted that this is an expansion project to be developed in a total plot area of 1,61,201.00 sqm with total Built up area of 2,59,953.03 sqm. The project falls under Category 'B' under item no. 8 (b) i.e. Townships and Area Development Projects of the schedule of the EIA Notification, 2006. Since SEIAA/SEAC, Maharashtra has been re-constituted on 17<sup>th</sup> March,*



2017 and is functional, the Committee recommended to transfer the proposal to SEIAA, Maharashtra and advised the Project Proponent to apply to SEIAA/SEAC, Maharashtra.

**26.3.10 Proposed Master Plan Development of Believers Church Campus at Re-survey Nos. 94/1, 94/2, 94/3 & others, St. Thomas Nagar, Kuttapuzha Village, Thiruvalla Municipality, Thiruvalla Taluk, Pathanamthitta District, Kerala by M/s Believers Church – Environmental Clearance (IA/KL/NCP/63414/2017; F.No. 21-161/2017-IA-III)**

The project proponent and the accredited Consultant M/s Environmental Engineers and Consultants Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at 09°25'03.53" N to 09°24'23.27" N (Latitude) and 76°35'02.61" E to 76°34'25.18" E (Longitude).
- (ii) The project is Expansion Project. The construction is done without any deviation as per previous EC obtained (SEIAA, Kerala vide Letter No. 142/SEIAA/KL/2743/2013 Dt. 01/08/2014). We will start the construction work for the Master Plan Development project only after obtaining the Environmental Clearance from MoEF.
- (iii) The total plot area is 38.089 ha. FSI area is as per local bye-laws and total construction area of 9,26,798.09 sqm. The project will comprise of Hospital, Institutional, Residential, Hostel, Business/Offices, Commercial etc. Buildings. Total 136 Residential Units + 203 Staff Quarters shall be developed. Maximum height of the building is 81 mtr.
- (iv) During construction phase, total water demand of the project is expected to be 80 KLD which will be met by Stored rain water & Ground Water. During the construction phase, portable toilets with mobile STP 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 2,196 KLD and the same will be met by the Stored rain water in pond & ground water. Wastewater generated (1,767 KLD) will be treated in STP of total 2012 KLD capacity. 1,590 KL of treated wastewater will be recycled (754 KLD for flushing, 50 KLD for gardening and 636 KLD as make-up water for cooling purposes). About Nil KLD will be disposed in to municipal drain.
- (vi) About 6.63 tons/day solid waste will be generated in the project. The biodegradable waste (3.98tons / day [60%] ) will be processed OWC / Biog-gas plant/Bio-bin system and the non-biodegradable waste generated (2.65 tons/day [40%] ) will be handed over to authorized vendor.
- (vii) The total power requirement during construction phase is about 50 KVA and will be met from Kerala State Electricity Board & 62.5 kVA (D.G. Sets) and total power requirement during operation phase is 1,115 kWh and will be met from Kerala State Electricity Board & D.G. Set (750 kVA X 4 + 500 kVA X 1 nos. as standby arrangement)
- (viii) Rooftop rainwater of buildings will be collected in RCC RWH tanks / pond as per required capacity for harvesting after filtration.
- (ix) Parking facility for 2,352 Cars + 3,780 Two-wheelers is proposed to be provided against the requirement of local norms respectively (according to local norms).
- (x) Proposed energy saving measures would save about 23% of power.
- (xi) It 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 about Rs. 2,500 Crores.
- (xiv) Employment potential. About 5,000 persons during operation phase and about 300

persons during construction phase.

- (xv) Benefits of the project. The Master Plan Development project would provide better medical, educational, residential & commercial facilities to the local population with direct jobs to about 5,000 persons in it.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of environmental clearance to the project 'Proposed Master Plan Development of Believers Church Campus at Re-survey Nos. 94/1, 94/2, 94/3 & others, St. Thomas Nagar, Kuttapuzha Village, Thiruvalla Municipality, Thiruvalla Taluk, Pathanamthitta District, Kerala by M/s Believers Church in a total plot area of 38.089 ha and built-up of 9,26,798.09 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006, and requires appraisal at central level by the sectoral EAC in the Ministry.
- (iii) The project was granted Standard ToR by MoEFCC vide letter No. 21-161/2017-IA-III dated 13.06.2017.

*The EAC deliberated on the Certified Compliance Report letter F. No. EP/12.1/2014-15/01/KER dated Nil (site visit date 09.08.2017) issued by the MoEF&CC's Regional Office (SZ), Bangalore. The Committee noted that the compliance of the EC condition was inter-alia found satisfactory. The committee was informed that certificate for fresh water use is already available. After deliberation on the proposal, the Committee recommended the project for grant of environmental clearance and stipulated specific conditions along with other environmental conditions while considering for accord of environmental clearance subject to the submission of following Certificates/Documents:*

- (i) The Air Quality Index shall be calculated for base level air quality.
- (ii) A certificate, from the vendor and competent authority, on the final disposal of waste plastics.
- (iii) A detailed report on compliance to ECBC norms.
- (iv) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (v) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (vi) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (vii) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (viii) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated

from project.

**26.3.11 Expansion of Integrated Township “One World” at Baghamau Village, Lucknow (U.P.) by M/s ANS Developers Pvt Ltd – Environmental Clearance (IA/UP/NCP/69831/2016; F. No. 21-369/2017-IA-III)**

The project proponent and the accredited Consultant M/s ENV DAS India Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at 26°49'25"N, Latitude and 81°1'33"E longitude.
- (ii) The project is Expansion of Integrated Township Project “One World” at village Baghamau, Lucknow, Uttar Pradesh. Earlier Environment clearance for the project has already been issued vide letter no. 2003/Parya/SEAC/1665/2013/TA(J) dated 22/10/2013. Approximately 10% of the proposed Built-up area has already been constructed.
- (iii) The total plot area is 8,57,500.0 sqm, FSI area is 13,57,416.74 (158.2%) sqm, and total construction area is 14,44,949.12 sqm. The project will comprise of Residential Buildings, Commercial, Educational, Health Centre & Child welfare Centre and Maternity Centre, Community Centre and Hospital etc. Maximum height of the building is 60 m.
- (iv) During construction phase, total water requirement is expected to be ~50 KLD which will be met by Private Tankers. During the construction phase, soak pits and septic tanks will be provided for disposal of waste water. Mobile toilets will be provided during peak labor force.
- (v) During operational phase, total water demand of the project is expected to be 5517 KLD and the same will be met through the Ground water and Recycled Water and Fresh water demand of the project is 3516 KLD. Wastewater generated (4320 KLD) will be treated in the onsite STP of total 5000 KLD capacity. 2001 KLD of treated waste water will be recycled (1301 KLD for flushing, 612 KLD for Horticulture and 88 KLD for HVAC). About 1887 KLD will be disposed in to municipal sewer.
- (vi) About 29478 Kg/day solid waste will be generated in the project. The biodegradable waste 19160.7 Kg/day will be processed in OWC and the remaining non-biodegradable waste generated 10317.3 Kg/day will be handed over to authorized local vendor.
- (vii) Total power requirement during operation phase is 25 MW and will be met from UPPCL.
- (viii) Rainwater of buildings will be collected in 82 RWH Pits of total 3086 m<sup>3</sup> capacity for ground water recharge.
- (ix) Parking required is 20204 ECS and as per the requirement, parking shall be provided in the basements (wherever provided) along with provisions for open/ surface parking.
- (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 the project is Rs.500 Crore.
- (xiv) Employment potential 500 workers during construction and 600 workers during operation phase.
- (xv) Benefits of the project: Residential facilities with modern amenities, Employment opportunity to local village Residents etc.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of environmental clearance to the project 'Expansion of Integrated Township "One World" at Baghamau Village, District Lucknow (U.P) by M/s ANS Developers Pvt. Ltd. in a total plot area of 8,57,500 sqm and built-up area of 14,44,949.12 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006, and requires appraisal at central level by the sectoral EAC in the Ministry.
- (iii) The project was granted ToR by SEIAA, Uttar Pradesh vide letter No. 56/Parya/SEAC/3623/AD(SUB) dated 28.05.2016.

*The EAC deliberated on the Certified Compliance Report letter F. No. VII/Env/SCL/UP/922/2017/255 dated 20.11.2017 issued by the MoEF&CC's Regional Office (CR), Lucknow. The Committee noted that the compliance of the EC condition was inter-alia found satisfactory. After deliberation on the proposal, the Committee recommended the project for grant of environmental clearance and stipulated specific conditions along with other environmental conditions while considering for accord of environmental clearance subject to the submission of following Certificates/Documents:*

- (i) The Air Quality Index shall be calculated for base level air quality.
- (ii) A detailed report on compliance to ECBC norms.
- (iii) A certificate from the CGWA for existing use of Ground water.
- (iv) A certificate from the irrigation department/competent authority for establishing additional wells in the flood plains of the River Gomti as proposed in Form 1A.
- (v) A certificate of consent from the farmers regarding disposal of excess treated waters into their land for irrigation along with an irrigation management plan.
- (vi) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (vii) An affidavit that the location of the township and the S.T.P. conform to the directions of the NGT regarding minimum distances from water bodies including rivers.
- (viii) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (ix) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (x) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (xi) A certificate from the competent authority for discharging treated effluent/ untreated

effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.

- (xii) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.

**26.3.12 Redevelopment of General Pool Residential Accommodation (GPRA) Colony at Sarojini Nagar by M/s NBCC India Limited – Environmental Clearance ( IA/DL/NCP/69683/2017; F. No. 21-338/2017-IA-III)**

The project proponent and the accredited Consultant M/s ABC TECHNOLABS INDIA PVT LTD. gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at 28°34'32.14" N Latitude and 77°11'46.36" E longitude.
- (ii) The project is redevelopment of General Pool Residential Accommodation (GRPA) Colony at Sarojini Nagar. The total plot area is 9,96,193.45 sqm. FSI area is 17,18,685.97 sqm and total construction area of 38,45,281.18 sqm. The project will comprise of 5 Residential Type Buildings of 231 towers with combined basement and total dwelling units of 17,944 including Service apartments, Office block and other social infrastructure like Vinay Nagar Bengali Sr. School, Ganesh Shankar Sarvodaya Bal Vidyalaya, Government Boys Senior Secondary School - 1 & 2, Government Girls Senior Secondary School - 1, SKV Kanya Vidyalaya No.1, NDMC NAVY UG School, N.P Co-Ed Secondary School, N.P Primary School (D.G Block), N.P Primary School-1, Khalsa Middle School, Bharat Samaj Nursery School, NDMC Dispensary, C.G.H.S Dispensary No. 1 to 4, Barat Ghar, Ayush Hospital, Griha Kalyan Kendra & Barat Ghar-1, Police Station and Post Office. Maximum height of the building is 42.50 m. The details are as follows.

S. No	Towers	No. of. Floor / Block	Units / floor	No of Towers	No of DU*	Total (sqm)
<b>RESIDENTIAL</b>						
1	Type-II	G+12, G+11	8	31	2885	207720
2	Type-III	G+12	8	29	2880	241419
3	Type-IV	G+12, G+11	4	56	2640	364681
4	Type-V	G+11	4	25	1125	238606
5	Type-VI	G+12	3	30	1125	310654
6	Combined Basement area					622792
<b>Sub Total (A)</b>					<b>10,655</b>	<b>19,85,872</b>
<b>OFFICE</b>						
1	Block A	G+8	-	2	-	195988
2	Block B	G+8	-	1	-	44212
3	Service Apartment-1	G+11	3	9	315	75750
4	Service Apartment-2	G+12	3	22	836	193950
5	Combined Basement area					1194353
<b>Sub Total (B)</b>					<b>1,151</b>	<b>17,04,253</b>
<b>SOCIAL INFRASTRUCTURE</b>						
1	Vinay Nagar Bengali Sr. School	G+3	-	1	-	7306.650
2	Ganesh Shankar Sarvodaya Bal Vidyalaya	G+3	-	1	-	7652.800
3	Government Boys Senior Secondary School-1	G+3	-	1	-	7306.650
4	Government Boys Senior Secondary School-2	G+3	-	1	-	7306.650
5	Government Girls Senior Secondary School-1	G+3	-	1	-	7306.650

6	SKV Kanya Vidayala No.1	G+3	-	1	-	7576.400
7	NDMC NAVYUG School	G+3	-	1	-	10955.660
8	N.P CO-ED Secondary school	G+4	-	1	-	6970.400
9	N.P Primary School (D.G Block)	G+3	-	1	-	2860.350
10	N.P Primary school-1	G+3	-	1	-	3275.330
11	Khalsa Middle School	G+4	-	1	-	9025.00
12	Bharat Samaj Nursery School	G+3	-	1	-	3275.330
13	NDMC Dispensary & Quarters	G+2, G+11	-	1	51	7214.030
14	C.G.H.S Dispensary No. 1	G+3	-	1	-	1714.720
15	C.G.H.S Dispensary No. 2	G+2	-	1	-	939.330
16	C.G.H.S Dispensary No. 3	G+2	-	1	-	902.520
17	C.G.H.S Dispensary No. 4	G	-	1	-	186.270
18	Barat Ghar	G+2	-	1	-	1445.850
19	Ayush Hospital	G+5	-	1	-	2181.350
20	Griha Kalyan Kendra & Barat Ghar-1	G+3	-	1	-	2900.850
21	Police Station & Quarters	G+4, G+11	-	1	46	9420.14
22	Post Office	G+1	-	1	-	1833.750
23	Combined Basement area					45600.000
<b>Sub Total (C)</b>						<b>155156.18</b>
<b>GRAND TOTAL (A + B + C)</b>						<b>38,45,281.18</b>

- (iii) During construction phase, total water requirement is expected to be 61 KLD which will be met through tankers by Civil Contractors. During the construction phase, soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labor force
- (iv) During operational phase, total water demand of the project is expected to be 11,347 KLD. Out of it, 7,301 KLD is fresh water which will be met through New Delhi Municipal Corporation (NDMC). Wastewater generated (9,482 KLD) will be treated in 12 STPs (i.e. 830, 1500, 1000, 1460, 900, 600 x 2 Nos, 1,455, 250, 215, 250 & 430 KL) of total 9,482 KL capacity based on Fluidized Aerobic Bio Reactor Technology. Treated wastewater of 7,585 KLD will be recycled (4,046 KLD for toilet flushing, 2,026 KLD for landscaping and 822 KLD for HVAC). Excess treated sewage of 691 KLD will be disposed to municipal drain.
- (v) About 43,425 kg/day of solid waste will generate in the project. The biodegradable waste (26,055 kg/day) will be processed in Organic Waste Converter and the non-biodegradable waste generated (17,370 kg/day) will be handed over to Authorized Recyclers.
- (vi) The total power requirement during construction phase is 9,000 kVA and will be met from New Delhi Municipal Corporation (NDMC) and total power requirement during operation phase is 1,07,443 kVA and will be met from New Delhi Municipal Corporation (NDMC).
- (vii) 92 rainwater harvesting pits will be constructed within the project site with the potential of collecting 27,761.421 cum/hr of storm water in order to recharge the ground water.
- (viii) Parking facility for or two wheelers and four wheelers are 15,545 Nos and 83,800 Nos is proposed to be provided against the requirement of 15,545 Nos and 43,134 Nos respectively (according to TCPO norms).
- (ix) Proposed energy saving measures would save about 21.88% of power per annum.
- (x) It is not located within 10 km of Eco Sensitive areas

- (xi) There is no court case pending against the project.
- (xii) Investment/Cost of the project is Rs. 11,660 Crores.
- (xiii) Employment potential - 800 persons
- (xiv) Benefits of the project: The proposed redevelopment project is General Pool residential accommodation (GPRA) with supporting social infrastructure, General Pool Office Accommodation (GPOA) with advanced facilities under Ministry of Housing and Urban Affairs. The proposed project benefits the surroundings by providing employment opportunities both during construction and operation phase thereby enhancing the socio-economic and standard of living the locality.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of environmental clearance to the project 'Redevelopment of General Pool Residential Accommodation (GPRA) Colony at Sarojini Nagar by M/s NBCC India Limited in a total plot area of 9,96,193.45 sqm and built-up of 38,45,281.18 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006, and requires appraisal at central level by the sectoral EAC in the Ministry.
- (iii) The project was granted ToR by MoEFCC vide letter No. 21-338/2017-IA-III dated 23.11.2017.

*After deliberation on the proposal, the Committee recommended the project for grant of environmental clearance and stipulated specific conditions along with other environmental conditions while considering for accord of environmental clearance subject to the submission of following Certificates/Documents:*

- (i) The Air Quality Index shall be calculated for base level air quality.
- (ii) A detailed report on compliance to ECBC norms.
- (iii) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (iv) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (v) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (vi) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (vii) A certificate from the competent authority for discharging treated effluent/ untreated

	<p>effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.</p> <p>(viii) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.</p>
<p><b>26.3.13</b></p>	<p><b>Proposed Expansion of IT Park at Plot No 24, MIDC, Rajiv Gandhi InfoTech Park Phase II, Village Mann, Taluka Mulshi, Hinjawadi, Pune, Maharashtra by M/s Infosys Limited – Environmental Clearance (IA/MH/NCP/62924/2017; F. No. 21-157/2017-IA-III)</b></p> <p>The project proponent and the accredited Consultant M/s Anacon Laboratories Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:</p> <p>(i) The project is located at 18°35'50.2"N - 18°35'59.7"N latitude and 73°42'20.2"E-73°43'43.2"E longitude.</p> <p>(ii) This is an expansion project. Earlier EC was issued by SEIAA, Maharashtra vide letter no. SEAC-2010/CR.707/TC.2 dated 9<sup>th</sup> June 2011. Construction yet to start for proposed expansion.</p> <p>(iii) The total plot area is 4,63,380 sqm, FSI area is 6,64,220 sqm (Permissible FSI) and total construction area of 6,12,674.502 sqm. The project will comprise of SDB-12 (G+18), MLCP-3 (G+10), Collection Sump, Convention Centre, Gas Bank 1 &amp; 2, Gas Bank 3, Gas Bank 4, Auditorium, MLPL2+Security Cabin, Security Block-4, Security Block-5 (dog Shed), Scrap Yard-2, 220 KVA Substation, Biogas Plant, Amphitheater, MLPL 4 (G+10) Buildings. No flats shall be developed. Maximum height of the building is (G + 18) = 65 M.</p> <p>(iv) During construction phase, total water requirement is expected to be 100 KLD which will be met by through tankers. Also approximately local 400 laborers/ workers will be deployed during construction; therefore total quantity of water is estimated to be 54 m<sup>3</sup>/d to meet the requirement of labour. The domestic wastewater (Sewage) generated will be 43 m<sup>3</sup>/d. During the construction phase, soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labor force.</p> <p>(v) During operational phase, total water demand of the project is expected to be 2840KLD (2709 KLD existing + 131 KLD proposed) and the same will be met by the MIDC supply/reused /Recycled Water. Wastewater generated 2260 KLD (2155 KLD existing + 105 KLD proposed) uses will be treated in 2260 KLD STPs of total 2 MLD+1MLD capacity. 2260KLD of treated wastewater will be recycled (reused for flushing, for gardening). About 0 KLD will be disposed in to municipal drain. (There will be zero discharge from the campus)</p> <p>(vi) About 928 Kg/Day solid waste will be generated in the project. The biodegradable waste (556.80 kg/day) will be processed in OWC and the non-biodegradable waste generated (371.200 kg/day) will be handed over to authorized local vendor.</p> <p>(vii) The total power requirement during construction phase will be met from MSEDCL and back up DG set and total power requirement during operation phase is 15.35 MVA (MSEDCL) 24 MVA (DG set) and will be met from MSEDCL and back up DG set.</p> <p>(viii) Rooftop rainwater of buildings will be collected in an area of influence of 100 meters and depth of 20 meters for 68 Nos of Injection well (52 existing and 16 proposed) boreholes RWH tanks of total 1,36,000_m<sup>3</sup>/annum capacity for harvesting after filtration.</p> <p>(ix) There will be increase in Number of employees in the campus as a result there will be</p>



increase in vehicles. As vehicles will not ply inside the campus, they will directly enter into the Multi-Level Parking (MLP) there will be no need on developing additional infrastructure for additional vehicles. For internal movement of persons there are 14 electric golf carts inside the campus which takes away persons from one place to other.

Description of Item	Existing	Proposed	Total after Expansion
Parking Area	2957.48 sqm	10358.50 sqm	12315.98
Buses	140	-	140
Cars	4976	6608	11584
Scooter	400	3605	4005
Cycle	1000	-	1000

- (x) It is located in MIDC already approved and developed Hinjawadi as Rajiv Gandhi Infotech Park.
- (xi) There is no court case pending against the project.
- (xii) Investment/Cost of the project is Rs. 690 Crores.
- (xiii) Employment potential. The existing IT professional is 31288, and for proposed it will be additional 3712, so the total IT professionals at Infosys campus will be 35000 after expansion.
- (xiv) Benefits of the project. The proposed expansion project will develop environmental feature in the project area and enhance over all environment of the area.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of environmental clearance to the project 'Proposed Expansion of IT Park at Plot No 24, MIDC, Rajiv Gandhi InfoTech Park Phase II, Village Mann, Taluka Mulshi, Hinjawadi, Pune, Maharashtra by M/s Infosys Limited in a total plot area of 4,63,380 sqm and built-up of 6,12,674.502 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006, and requires appraisal at central level by the sectoral EAC in the Ministry.
- (iii) The project was granted Standard ToR by MoEFCC vide letter No. 21-157/2017-IA-III dated 19.06.2017.

*The EAC deliberated on the Certified Compliance Report letter F. No. 18-C-51/2011/SEAC/ dated 27.09.2017 issued by the MoEF&CC's Regional Office (WCZ), Nagpur. The Committee noted that the compliance of the some of the EC condition was reported to be not complied/partly complied. The committee discussed the proposal and it was felt that the Form-1 would require a revision in terms of area statements and clarity in proposals. After deliberation on the proposal, the Project Proponent was asked to submit the following documents/certificates:*

- (i) Submit copy of revised Form-1/1-A stating the complete details of Area Statement.
- (ii) An action taken report on environmental conditions stated to be not complied/partly complied as reported in Certified Compliance Report letter F.No. 18-C-51/2011/SEAC/ dated 27.09.2017 issued by the MoEF&CC's Regional Office (WCZ), Nagpur.
- (iii) The Air Quality Index shall be calculated for base level air quality.
- (iv) A detailed report on compliance to ECBC norms.
- (v) A certificate from the local body supplying water, specifying the total annual water

availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

- (vi) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (vii) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (viii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (ix) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (x) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.

*The proposal was, therefore, deferred till the desired information is submitted.*

**26.3.14 Proposed "Harbour Heights" at plot bearing C.T.S No. 525 of Mazgaon division E, Mumbai, Maharashtra by M/s. Sumer Buildcorp Pvt. Ltd. – Environmental & CRZ Clearance (IA/MH/NCP/67593/2017; F. No. 21-314/2017-IA-III)**

The project proponent and the accredited Consultant M/s Enviro Analysts & Engineers Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at C.T.S 525 at Mazgaon, Mumbai, Maharashtra Latitude: 18°58'23.13"N, Longitude: 72°50'37.40"E.
- (ii) The project is new. The proposal having total plot area of 38,881.58 sqm, FSI area 2,07,059.30 sqm and total construction (built-up) area of 5,07,541.49 sqm The development comprise of:
  - **Tenant Building:** 2B+ LG+G+ 3 floors + 16 habitable floors
  - **Sale building:**
    - Retail Structure: 4B+ G+6 floors
    - Residential Tower:
      - **Tower 1-** 4B+Gr+6P+ St +68 habitable floors
      - **Tower 2-** 4B+Gr+6P+ St +56 habitable floors
      - **Tower 3-** 4BGr+6P+ St +62 habitable floors
      - **Tower 4-**4B+ Gr+6P+ St +67 habitable floors

- **Club house -1:** Ground floor
- **Club house-2:** Gr +1 floor
- **Mosque (existing)**

(iii) Total no. of tenements and shops are as follows Rehab Building :

No. of shops = 11 nos.

No. of offices = 09 nos.

No. of Residential units = 88 nos.

Sale Building :

Wing 1 - No of residential flats = 405 nos.

Wing 2 - No of residential flats = 320 nos.

Wing 3 - No of residential flats = 353 nos.

Wing 4 - No of residential flats = 399 nos.

Wing 5 - Commercial Building:

No. of small shops= 1899 nos. and No. of big shops= 04 nos. shall be developed. Maximum height of the building is 304.90 m.

- (iv) During construction phase, total water requirement is expected to be 43.5 KLD which will be met by Tanker. During the construction phase, 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 1477 KLD and the same will be met by the MCGM or Recycled Water. Wastewater generated (1247 KLD) uses will be treated in 4 nos. of STP totaling capacity of 1280 KLD capacity. 1234 KLD of treated wastewater will be recycled (559 KLD for flushing, 300 KLD for HVAC, 71 KLD for gardening). About 304 KLD will be disposed in to municipal drain for which permission is already been received.
- (vi) About 6408 Kg/day solid waste will be generated in the project. The biodegradable waste (3640 Kg/day) will be processed in OWC and the non- biodegradable waste generated ( 2768 Kg/day) will be handed o v e r to authorized recyclers.
- (vii) The total power requirement during construction phase is 500 kW and will be met from BEST and total power requirement during operation phase is connected load is 48904 kW and maximum demand - 19874 kW will be met from BEST.
- (viii) Rooftop rainwater of buildings will be collected in 66 cum tanks for each tower of for harvesting after filtration.
- (ix) Parking facility for 2781 No's four wheelers is proposed to be provided against the requirement of 2285 respectively (according to local norms).
- (x) Proposed energy saving measures would save about 9.25% of power. Use of LED lights and fixtures, energy efficient equipment's, use of renewable energy for solar lights and solar water heating system.
- (xi) It is not located within 10km of Eco Sensitive areas.
- (xii) There is no court case pending against the project.
- (xiii) Total cost of the project is Rs 2633.00 Crores.

- (xiv) Employment Potential: Around 500 labor will be employed during peak construction phase. During operation phase there shall be employment generation for household works, maintenance security etc.
- (xv) Benefits of the project:- This is being redevelopment project, people who re staying in old dilapidated building will have better living conditions, retail component will create direct employment and there will be indirect employment of operational and maintenance as well as security and house maids.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of environmental and CRZ clearance to the project 'Proposed "Harbour Heights" at plot bearing C.T.S No. 525 of Mazgaon division E, Mumbai, Maharashtra by M/s. Sumer Buildcorp Pvt. Ltd. in a total plot area of 38,881.58 sqm and built-up of 5,07,541.49 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006, and requires appraisal at central level by the sectoral EAC in the Ministry.
- (iii) The project was granted Standard ToR by MoEFCC vide letter No. 21-314/2017-IA-III dated 25.09.2017.
- (iv) Maharashtra Coastal Zone Management Authority vide letter No. CRZ 2015/CR 394/TC 4 dated 20.03.2017 has recommended the proposal from CRZ point of view under the provisions of CRZ Notification, 2011.

*After deliberation on the proposal, the Committee recommended the project for grant of environmental clearance and stipulated specific conditions along with other environmental conditions while considering for accord of environmental clearance subject to the submission of following Certificates/Documents:*

- (i) Submit a complete set of documents required as per para 4.2 (i) of CRZ Notification, 2011.
- (ii) No Objection Certificate from the concerned State Pollution Control Boards for the projects involving discharge of effluents, solid wastes, sewage and the like.
- (iii) The Air Quality Index shall be calculated for base level air quality.
- (iv) A detailed report on compliance to ECBC norms.
- (v) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (vi) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

- (vii) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (viii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (ix) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (x) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.

**26.3.15 Proposed 'GOLDEN I' IT & IT Enabled Services Project, Plot No-11, Sector-Techzone-IV, Greater Noida, Uttar Pradesh by M/s Ocean Infraheights Private Limited – Environmental Clearance (IA/UP/NCP/70719/2017; F. No. 21-319/2017-IA-III)**

The project proponent and the accredited Consultant M/s Grass Roots Research & Creation India (P) Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at Plot No. 11, Sector-Techzone-IV, Greater Noida, Uttar Pradesh. Latitude: 28°35'23.6" N and longitude: 77°26'01.3"E
- (ii) This is a new proposal and the total plot area is 1,00,035.700 sqm. The project "GOLDEN I" IT& IT Enabled Service is to be developed by M/s Ocean Infraheights Pvt. Ltd. (Formerly M/s U.Y. Industries Pvt. Ltd.). It is an organization of zealous engineers and space planners, rich in experience and high on commitment. Total construction (built-up) area of 3,09,375.692 sqm. Maximum height of the building will be 83.3 m.
- (iii) During construction phase, water will be required which will be provided by private water tankers/STP. Sewage will be treated and disposed through septic tanks/soak pits. Sanitation facilities will be developed at site.
- (iv) During operational phase, total water demand of the project is estimated to be 1327 KLD. Wastewater generated (1063 KLD) will be treated in STP of total 1275 KLD capacity. About 957 KLD of treated wastewater will be generated from which 744 KLD will be used for flushing, 119 KLD for horticulture, 40 KLD for filter backwash, 25 KLD for water body and remaining 29 KLD will be discharged to municipal drain.
- (v) About 6,730 kg/d solid waste will be generated in the project. The bio-degradable waste will be processed in OWC and the non-biodegradable waste will be handed over to local vendors.
- (vi) The power will be supplied by Noida Power Corporation Limited (NPCL). The maximum power demand will be 12,000 kVA.
- (vii) Parking facility for 3472 ECS is proposed to be provided against the requirement of 1192 ECS (according to local norms).
- (viii) Proposed energy saving measures would save approx. 18.58 % energy.
- (ix) Hindon River (approx.1.67 km, NW), is located around the project site.
- (x) There is no court case pending against the project
- (xi) Estimated Cost of the project is Rs. 400 Crores.
- (xii) Employment potential: It will generate direct and indirect employment opportunities for both skilled and unskilled labor during construction & operation phase.

(xiii) Benefits of the project: Direct & Indirect employment opportunities and Infrastructural Development of the Area.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of environmental clearance to the project 'Proposed 'GOLDEN I' IT & IT Enabled Services Project, Plot No-11, Sector-Techzone-IV, Greater Noida, Uttar Pradesh by M/s Ocean Infraheights Private Limited in a total plot area of 1,00,035.700 sqm and built-up of 3,09,375.692 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006, and requires appraisal at central level by the sectoral EAC in the Ministry.
- (iii) The project was granted Standard ToR by MoEFCC vide letter No. 21-319/2017-IA-III dated 16.10.2017.

*After deliberation on the proposal, the Committee recommended the project for grant of environmental clearance and stipulated specific conditions along with other environmental conditions while considering for accord of environmental clearance subject to the submission of following Certificates/Documents:*

- (i) The Air Quality Index shall be calculated for base level air quality.
- (ii) A detailed report on compliance to ECBC norms.
- (iii) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (iv) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (v) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (vi) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (vii) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (viii) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.

**26.3.16 Expansion in Residential & Commercial project at 12/1/1, 12/1/2, 12/2, 12/3/1, 12/3/2, 12/4/1, 12/4/2, 12/4/3, 13/1/1, 13/1/2, 13/1/3, 13/2/1, 13/2/2, 13/2/3, 13/3/1, 13/3/2, 14/1(pt), 15/1, 15/2, 15/3, 15/4, 15/5, 16/2/A, 16/3, 16/4, 16/5, 16/6,17/3, 17/4/A, 17/5, 17/6/A, 18/3A,**

18/6A, 19/1A, 19/2/1A, 19/2/1B, 19/2/1C, 19/3/1A, 19/3/1B, 19/3/1C, 19/4/1A, 19/4/1B, 19/4/1C, 19/5/1A, 19/5/1B, 19/5/1C, 20/1/1, 20/1/2, 20/2/1, 20/2/2, 20/3/1, 20/3/2, 20/3/3, 20/3/4, 20/3/5, 20/3/6, 20/4/1, 20/4/2, 21/1(pt), 30/2, 30/3, 30/5(pt), 30/6(pt), 30/7, 35/1, 35/2, 35/5, 36/1, 36/2, 36/3, 37/1, 37/2, 37/3, 37/4, 37/5A, 37/6, 37/7A, 45/1, 45/2A, 45/3, 45/4A, 45/8A, 45/9, 46/1A, 46/2, 46/3A, 46/4A, 47/1A, 49/1, 49/2, 49/3, 50/1, 50/2, 50/3, 51/1, 51/3, 51/4, 51/5, 51/6, 51/7, 51/8, 52/1/3, 52/1/4, 52/1/7, 52/1/8, 52/1/9, 52/6(pt), 52/7(pt), 53/2/2, 53/2/3, 54/1, 54/2, 54/3, 54/4, 55/1, 55/2, 55/3, 55/5, 84/1, 84/2, 84/3, 327/1, 327/2A, 327/2C, 327/2E, 327/2F, 327/2G, 327/2H, 327/2J, 328/1, 328/2, 328/3A, 328/3B, 328/3C, 328/3D, 328/3E, Majiwade, Thane (W), Maharashtra by M/s. Kapstone Constructions Pvt. Ltd. – Environmental and CRZ Clearance (IA/MH/NCP/66891/2017; F. No. 21-242/2017-IA-III)

The project proponent and the accredited Consultant M/s Enviro Analyst Engineers Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at Majiwada, Thane. Latitude: 19°12'29.74"N and longitude: 72°59'16.77"E
- (ii) The project is an Expansion Project. Earlier EC has been received vide letter SEAC – 2013 / CR-344/TC -1 dated 25/03/2014 for total construction area of 7, 68,055.46 sq.m. Construction on site has been started as per the previous EC received.
- (iii) The total plot area is 3,09,176.40 sqm, FSI area is 3,70,689.89 sqm and total construction area of 7,71,980.18 sqm. The project will comprise of 37 nos. of Buildings. Total 5491 flats & 72 shops shall be developed. Maximum height of the building is 129.99 m. The details of the present and proposed expansion are as follows:

S.No.	Description	No. Of Bldgs	As Per Previous EC Received On 25th March 2014	As Per Proposed	Remarks
1	Residential Plot-1	4 Nos	St.+Pod+27fl	St.+Pod+27fl	No Change
2	Residential Plot-2	1 Nos	St.+18fl.	St.+18fl.	No Change
3	Residential Plot-4	4 Nos	St.+Pod+20fl	St.+Pod+20fl	No Change
4	Residential Plot-5	2 Nos	St.+Pod+32fl	St.+Pod+32fl	No Change
		1 Nos	St.+Pod+11fl	St.+Pod+11fl	No Change
		1 Nos	St./Gr.+16fl	St./Gr.+16fl	No Change
5	Residential Plot-6	3 Nos	St.+4pod+26fl	St.+4pod+26fl	No Change
6	Residential Plot-6	9 Nos	St + 4p + 31 Fl	St.+4pod+36fl	Resi. Area Increase
8	Residential Plot-7	1 Nos	St.+2pod+31 Fl		Bldg. Cancel
		2 Nos	St.+2pod.+12fl	St.+2pod+31fl	Resi. Area Increase
		3 Nos	St.+2pod.+12fl	St.+2pod+27fl	Resi. Area Increase
7	Residential Plot-8	1 Nos		2base+St.+30fl	Bldg. Add
9	Resi. P-4 ( Commercial )	1 Nos	Gr. + 01fl.	Gr. + 02fl.	Commercial. Area Increase
10	School Plot-1	1 Nos	Base.+Gr.+07fl	Base.+Gr.+07fl	No Change
11	Health+Comm. Plot-1	1 Nos	Base.+Gr.+18fl	Base.+Gr.+18fl	No Change
12	Commercial Plot-1	1 Nos	St.+Pod+18fl	St.+Pod+19fl	Commercial. Area Decrease
13	Commercial Plot-2	1 Nos	St.+2pod.+25fl	Gr.+Pod.+28fl.	Resi. Area Increase

14	School Plot-3	1 Nos	Base.+Gr.+03fl	Base.+Gr.+07fl	School Area Increase
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- (iv) During construction phase, total water requirement is expected to be 22 KLD which will be met by tanker.
- (v) During operational phase, total water demand of the project is expected to be 4200 KLD and the same will be met by the TMC/Recycled Water. Wastewater generated (3937 KLD) uses will be treated in 13 nos. of STPs of total 4000 KLD capacity. 3897 KLD of treated wastewater will be recycled ( 1575 for flushing, 325 for gardening, 197 for car wash, 789 for road, drive & Parking wash). About 1011 KLD will be disposed in to municipal drain.
- (vi) About 17834 Kg/Day solid waste will be generated in the project. The biodegradable waste (10700 Kg/day) will be processed in OWC and the non-biodegradable waste generated (7134 Kg/Day) will be handed over to authorized local vendor.
- (vii) The total power requirement during construction phase is 200 – 250 KVA and will be met from MSEDCL and total power requirement during operation phase, Connected Load: 101308 KW & Maximum Demand: 39880 KW and will be met from MSEDCL.
- (viii) Rooftop rainwater of buildings will be collected in 14 nos. of RWH tanks of total 1063 m<sup>3</sup> (2 day storage) capacity for harvesting after filtration.
- (ix) Parking facility for 6518 nos. of four wheelers and 6566 nos. of two wheelers are proposed to be provided against the requirement of 6363 nos. and 6554 nos. respectively (according to local norms).
- (x) Proposed energy saving measures would save about 20 % of power.
- (xi) It is located within 10 km of Sanjay Gandhi National Park (Eco Sensitive areas). As per the notification of MOEFCC S.O.3645(E) dated 5<sup>th</sup> December 2016, the Eco sensitive zone is demarcated. The project is outside the ESZ of Sanjay Gandhi national park.
- (xii) There is no court case pending against the project.
- (xiii) Investment/Cost of the project is Rs. 2441 Crores.
- (xiv) Employment potential - 50 shall be provided with temporary housing facilities. Around 100 labors will come to site during peak construction phase. This is a residential cum commercial project which will create more than 10000 direct employments and 500 indirect employments during the operation phase.
- (xv) Benefits of the project - This is a residential cum commercial project which will help in reducing population density of Mumbai city and for convince in employment for commercial & industrial belts of thane and adjoin industrial estate. This is a residential project which will create more than 10000 direct employments and 500 indirect employments during the operation phase.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of environmental and CRZ clearance to the project 'Expansion in Residential & Commercial project at Majiwade, Thane (W), Maharashtra by M/s. Kapstone Constructions Pvt. Ltd. in a total plot area of 3,09,176.40 sqm and built-up of 7,71,980.18 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006, and requires appraisal at central level by the sectoral EAC in the Ministry.



- (iii) The project was granted Standard ToR by MoEFCC vide letter No. 21-242/2017-IA-III dated 07.09.2017.

*The EAC deliberated on the proposal and noted that as per the Form-1 submitted by the Project Proponent, the proposal attract CRZ Notification, 2011. However the Project Proponent through an affidavit and revised Form-1 submitted that the project site does not falls in the CRZ area and hence not requires prior recommendation from Maharashtra Coastal Zone Management Authority (MCZMA). After deliberation on the proposal, the Committee recommended the project for grant of environmental clearance and stipulated specific conditions along with other environmental conditions while considering for accord of environmental clearance subject to the submission of following Certificates/Documents:*

- (i) Certificate from Maharashtra Coastal Zone Management Authority (MCZMA) indicating that the project site is outside the CRZ area.
- (ii) The Air Quality Index shall be calculated for base level air quality.
- (iii) A detailed report on compliance to ECBC norms.
- (iv) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (v) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (vi) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (viii) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (ix) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.

**26.3.17 Development of Residential Apartment project by name “Prestige Jindal City” at Sy. Nos. 28/4, 29/2, 31/1, 31/2, 32/1, 32/2, 36/1, Chikkabidarakallu Village, Dasanapura Hobli, Bengaluru North Taluk, Bengaluru by M/s Prestige Jindal City - Environmental Clearance (IA/KA/NCP/61241/2016; F. No. 21-82/2016-IA-III)**

The project proponent and the accredited Consultant M/s A & N Technologies gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at 13°03'12.74" N Latitude and 77°29'18.86" E Longitude

- (ii) This is a new proposal. The total plot area is 1,34,860.34 sqm. FSI area is 4,01,522.67 sqm and total construction area of 5,89,596.52 sqm. The project will comprise of 4 Buildings (15 Towers). Total 3,574 Nos. of apartments, a club house and a school building shall be developed. Maximum height of the building is 95.0m.
- (iii) During construction phase, total water requirement is expected to be 266 KLD which will be met by External authorized tanker water suppliers for domestic purpose and labor camp mobile STP treated water for construction purpose. During the construction phase, mobile sewage treatment plant will be provided for treatment of waste water. Temporary sanitary toilets will be provided during peak labor force.
- (iv) During operational phase, total water demand of the project is expected to be 2,882 KLD and the same will be met by the Project site Borewells/Village Panchayat. Wastewater generated (2,307 KLD) will be treated in STP of total 2,320 KLD capacity (805 KLD, 455 KLD, 930 KLD & 130 KLD). 1,322 KLD of treated wastewater will be recycled (973 KLD for flushing, 349 KLD for gardening). About 754 KLD will be given to M/s. Jindal Aluminium Ltd Factory for landscaping.
- (v) About 9.5 TPD solid waste will be generated in the project. The biodegradable waste (5.4 TPD) will be processed in OWC and the non-biodegradable waste generated (4.1 TPD) will be handed over to authorized local vendor.
- (vi) The total power requirement during construction phase is 2,000 kVA and will be met from Bengaluru Electricity Supply Company Ltd. (BESCOM) and total power requirement during operation phase is 14,934 kVA and will be met from Bengaluru Electricity supply company Ltd. (BESCOM)
- (vii) Rooftop rainwater of buildings will be collected in 115 Cum, 60 Cum, 100 Cum & 50 Cum RWH tanks of total 325 KLD capacity for harvesting after filtration.
- (viii) Parking facility for 4,054 Nos. four wheelers and Zero two wheelers is proposed to be provided against the requirement of 3,888 Nos. and Zero respectively (according to local norms).
- (ix) Proposed energy saving measures would save about 28.6% of power.
- (x) It 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. 590.03 Crores.
- (xiii) Employment potential - There will be employment for skilled, semi-skilled and unskilled labour during construction phase as well as operation phase.
- (xiv) Benefits of the project - The upcoming proposed project will bring overall improvement in the locality, neighbourhood and to the state by bringing roads, water supply, drainage facility, power supply, employment for skilled, semi-skilled and unskilled labour, thereby uplifting the living standards of local communities and economic growth as well as stimulating the growth in small and medium scale industries like hotels, shopping complexes, retail shops, health centers, educational institutes, recreational centers etc.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of environmental clearance to the project 'Development of Residential Apartment project by name "Prestige Jindal City" at Sy. Nos. 28/4, 29/2, 31/1, 31/2, 32/1, 32/2, 36/1, Chikkabidarakallu Village, Dasanapura Hobli, Bengaluru North Taluk, Bengaluru by M/s Prestige Jindal City in a total plot area of 1,34,860.34 sqm and built-up of 5,89,596.52 sqm.

- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006, and requires appraisal at central level by the sectoral EAC in the Ministry.
- (iii) The project was granted ToR by MoEFCC vide letter No. 21-82/2016-IA-III dated 07.06.2017 and amended vide letter dated 06.11.2017.

*After deliberation on the proposal, the Committee recommended the project for grant of environmental clearance and stipulated specific conditions along with other environmental conditions while considering for accord of environmental clearance subject to the submission of following Certificates/Documents:*

- (i) A certificate of registration from the Karnataka Ground Water Authority and a NOC from the CGWA to utilize the ground water. This should clearly indicate the Numbers of Bore Wells drilled/proposed to be drilled along with the present and future water requirements in quantitative terms.
- (ii) A certificate from the State Pollution Control Board that Jindal Aluminium Ltd. are authorized to utilize 754 KLD of treated effluent the proposed project for disposal on land for irrigation.
- (iii) A plan for disposal of water from Dewatering for basements and its conformity to CGWA guidelines.
- (iv) The Air Quality Index shall be calculated for base level air quality.
- (v) A detailed report on compliance to ECBC norms.
- (vi) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (vii) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (viii) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (ix) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (x) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (xi) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.

**Day 2: Friday, 15<sup>th</sup> December, 2017****26.4.1 Deepening and Widening of Approach Channel to Second Chemical Berth SCB at Pir Pau, Mumbai Port water area, Mahul, Mumbai, Maharashtra by M/s Mumbai Port Trust – Terms of Reference (IA/MH/MIS/71139/2017; F. No. 10-65/2017-IA-III)**

The project proponent gave a detailed presentation on the salient features of the project and informed that:

- (i) The Second Liquid Chemical Berth is located 650 meter south of existing First Chemical Berth (FCB) off Pir Pau and in the same alignment as that of the FCB. The capacity of the Second Liquid Chemical Berth is of 2MMTPA. For the Second Liquid Chemical Berth, the existing berth pocket of 300 m x 60 m is deepened to 13m below Chart Datum and the existing navigational approach channel is deepened to (-) 9.0 metre below CD.
- (ii) Considering the growth of chemical industries in and around Maharashtra and as per the requirement of Users of Pir Pau terminals it is proposed to carry out deepening and widening of SCB Channel to handle bigger size vessel at SCB.
- (iii) The existing world fleet of tankers for various types of liquid cargo and the ships normally calling at Indian Ports and in particular at the existing Chemical berths has been considered to arrive at an optimum design vessel size and the deepening and widening parameters of Channel leading to Second Chemical Berth have been worked out accordingly. The Design Vessel size considered is as under:

Size of Vessel	55,000 DWT
LOA	230 M
Beam	36 M
Draft	12.8 M

- (iv) Based on the above design vessel size, the dimensions of the proposed deepening and widening of SCB Channel is as under:
 

Width of the Channel	= 300 m
Depth of the Channel	= up to 10.5 m below Chart Datum ( CD)
Radius of Turning Circle	= 460 m
Depth at Berth pocket	= 14.0m below CD
- (v) For the proposed widening and deepening of existing approach Channel to SCB, the quantum of soil dredging estimated is as 3.9 lakhs cu.m and rock dredging as 1.45 lakhs cu.M. The dredged materials will be dumped at the designated dumping ground DS3. It is assumed that the soil dredging will be carried out by Trailing Suction Hopper Dredger (TSHD) and Cutter Section Dredger (CSD) will be deployed for weathered rock dredging. In case hard rock is encountered the same will be removed by underwater controlled drilling and blasting method.
- (vi) The estimated cost of the project is 72 Crore exclusive of GST and the expenditure will be met through internal resources of Mumbai Port Trust. For execution of works Mumbai Port Trust seeks prior environmental clearance for the dredging works.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Deepening and Widening of Approach Channel to Second Chemical Berth SCB at Pir Pau, Mumbai Port water area, Mahul, Mumbai, Maharashtra by M/s Mumbai Port Trust.
- (ii) The project/activity is covered under category 'A' of item 7(e) 'Ports, harbours, break waters, dredging' of the Schedule to the EIA Notification, 2006 and its subsequent

amendments, and requires appraisal at Central Level.

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

- (i) Importance and benefits of the project.
- (ii) The EIA should specifically address to the environmental impacts of drilling and blasting and give an analysis of alternatives along with mitigation plans.
- (iii) A report on the impacts of dredging disposal on the DS-3 site along with the total holding capacity, the material already dumped and the spare capacities available for utilisation.
- (iv) A detailed list of the Chemicals to be handled and conformity to the Manufacture, Storage and Import of Hazardous chemicals Rules 1989 as amended prescribed under the E.P. Act 1986.
- (v) The E.I.A. should also submit a copy of the 'On site management plan' as prescribed under the MSIHC Rules of 1989
- (vi) Certified Compliance Report issued by the MoEF&CC, Regional Office or concerned Regional Office of Central Pollution Control Board or the Member Secretary of the respective State Pollution Control Board for the conditions stipulated in the earlier environmental clearance issued for the project along with an action taken report on issues which have been stated to be partially complied or non/not complied.
- (vii) Submit a complete set of documents required as per para 4.2 (i) of CRZ Notification, 2011.
- (viii) Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale.
- (ix) Recommendation of the SCZMA.
- (x) Various Dock and shipbuilding facilities with capacities for existing and proposed project.
- (xi) List of cargo to be handled along with mode of transportation.
- (xii) Layout plan of existing and proposed Port.
- (xiii) Study the impact of dredging on the shore line.
- (xiv) A detailed impact analysis of rock dredging.
- (xv) The Air Quality Index shall be calculated for base level air quality.
- (xvi) Study the impact of dredging and dumping on marine ecology and draw up a management plan through the NIO or any other institute specializing in marine ecology.
- (xvii) A detailed analysis of the physico-chemical and biotic components in the highly turbid waters round the project site (as exhibited in the Google map shown during the presentation), compare it with the physico-chemical and biotic components in the adjacent clearer (blue) waters both in terms of baseline and impact assessment and draw up a management plan.
- (xviii) Details of Emission, effluents, solid waste and hazardous waste generation and their management in the existing and proposed facilities.
- (xix) The EIA would also include an affidavit that no Hazardous chemicals as defined under the Environment Protection Act, 1986 are proposed to be handled.

- (xx) Toxicity Factor to be carried out on treated trade effluent beside chemical analysis.
- (xxi) The existing project should avail of and submit consent to operate from the State Pollution Control Board.
- (xxii) Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- (xxiii) Wastewater management plan.
- (xxiv) Details of Environmental Monitoring Plan.
- (xxv) To prepare a detailed biodiversity impact assessment report and management plan through the NIOS or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity. The report shall study the impact on the rivers, estuary and the sea and include the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, subtidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles , birds etc. as also the productivity. The data collection and impact assessment shall be as per standard survey methods. This plan, duly evaluated and validated by the State Biodiversity Board shall form a part of the EIA report.
- (xxvi) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (xxvii) Disaster Management Plan for the above terminal.
- (xxviii) Layout plan of existing and proposed Greenbelt.
- (xxix) A response to any complaints that have been received by the project against the setting up of the project including the representation submitted by the Conservation Action Trust.
- (xxx) The details of waste water disposal into the sea, its impacts and Management plan.
- (xxxi) Status of court case pending against the project.
- (xxxii) Public hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.
- (xxxiii) A tabular chart with index for point wise compliance of above TORs.

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

26.4.2 **Development of New Major Port in Kanniyakumari/ Kovalam and Thamarai kulam (North) Kanniyakumari District, Tamil Nadu by M/s V.O.Chidambaranar Port Trust – Terms of Reference (IA/TN/MIS/71326/2017 ; F. No. 10-66/2017-IA-III)**

The project proponent gave a detailed presentation on the salient features of the project and informed that:

- (i) The proposal is for Development of New Major Port in Kanniyakumari District, Tamilnadu. Latitude and Longitude are Starting point: (Latitude: 08°04'57"N & Longitude: 77°31'00"E, End point: (Latitude: 08° 05'11"N & Longitude: 77°29'43"E
- (ii) The proposed port is planned to be developed in the reclaimed land (from the shoreline) using dredged material generated through one time capital dredging. Creation of new land uses is not envisaged. There will be no significant changes in the existing land use pattern due to the proposed project.
- (iii) During preparation of Techno-Economic Feasibility Report, (Aug,2015), the consultant analyzed four alternative sites; Kanniyakumari, Manavalakurichi, Colachel, Enayam and recommended Enayam was the suitable location for development of a major port. The Union Government accorded In-principle approval on 05.07.2016 for the Enayam Port Project. TOR for EIA Study was issued by MoEF & CC on 19.12.2016. However, due to continued agitation of local public and fishermen groups of the Enayam region, no field activities were taken up for the past 1 ½ years.
- (iv) The entire Port will be developed in the reclaimed land along the coastline (seaside) using the dredged materials. The proposal envisages Construction of Breakwaters, Dredging-reclamation, Container Terminals with provision for addition of Multi-Purpose/Dry bulk / Cruise Berths. The draft at the harbour is proposed at 16m capable of handling 18000 TEU capacity Container vessels and cape size bulk carriers.
- (v) Cost of the project: The project will be implemented in three Phases at a total cost of Rs.19,884 Crores covering a period of 2018-2035.
- (vi) No forest land involved.
- (vii) The project does not fall within 10km of any eco-sensitive area.
- (viii) **Details of channel, breakwater, dredging, disposal and reclamation:** As per Addendum to TEF (dt.27.12.2017) , the Phase –wise details are given below:

S.No.	Description	Phase 1 (2018-2025)	Phase 2 (2025-2030)	Phase 3 (2030-2035)	Total (2018-2035)
1	Breakwaters	5,050m	-	-	5,050m
2	Dredging (Mn Cum)	14.60	2.40	-	17.00
3	Reclamation (Area)	164Ha	10Ha	43Ha	217Ha
4	Approach Channel	2,980 m long, 400 m wide			

- (ix) Solid waste generated during land- based constructions will be used for back filling and filling low lying areas along the road and rail corridors. STP will be constructed and effluent used for horticulture or released to sea (during monsoon) without affecting environment. During Operation Phase: Waste processor is proposed for treatment of biodegradable solid waste and compose will be used as manure. Non- biodegradable waste will be handed over to authorized vendor. Domestic sewage will be treated by STP and reused / released to the sea. Sludge generated from STP shall be disposed off as per TNPCB/CPCB guidelines or norms.
- (x) Treated wastewater will be recycled and reused for flushing and landscaping purposes. The remaining treated sewage if any will be disposed off in city sewer line. Hence no adverse impact on land environment is envisaged.
- (xi) The approximate quantity of water to be used for construction & drinking purpose will be

20 KLD during construction period. During operation phase estimated requirement for Phase I,II,III will be 500 KLD (cumulative) and will be sourced through a dedicated water supply scheme from Municipal Corporation/ Treated STP water. Government of Tamil Nadu may provide water from any fresh lake located at reasonable distance from port side.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Development of New Major Port in Kanniyakumari/ Kovalam and Thamarai kulam (North) Kanniyakumari District, Tamil Nadu by M/s V.O.Chidambaranar Port Trust.
- (ii) The project/activity is covered under category 'A' of item 7(e) 'Ports, harbours, break waters, dredging' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

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

- (i) Importance and benefits of the project.
- (ii) The E.I.A. should present a comprehensive analysis of alternative sites along with reasons for choosing the proposed site.
- (iii) The E.I.A. would in a separate chapter specifically address to the proposals likely to be implemented in the first 10 years and highlight these environmental impacts and mitigation plans.
- (iv) The location and impacts of the project on the Kanyakumari National Park and the eco-sensitive zone as declared around it should be discussed.
- (v) The report should include consent to establish, as granted by the State Pollution Control Board on the proposals.
- (vi) Submit a complete set of documents required as per para 4.2 (i) of CRZ Notification, 2011.
- (vii) Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale.
- (viii) Recommendation of the SCZMA.
- (ix) Status of application for NBWL clearance for the project.
- (x) Various Dock and shipbuilding facilities with capacities for existing and proposed project.
- (xi) List of cargo to be handled along with mode of transportation.
- (xii) Layout plan of existing and proposed Port.
- (xiii) Study the impact of dredging on the shore line.
- (xiv) A detailed impact analysis of rock dredging.
- (xv) The Air Quality Index shall be calculated for base level air quality.
- (xvi) Study the impact of dredging and dumping on marine ecology and draw up a management plan through the NIO or any other institute specializing in marine ecology.
- (xvii) A detailed analysis of the physico-chemical and biotic components in the highly turbid



waters round the project site (as exhibited in the Google map shown during the presentation), compare it with the physico-chemical and biotic components in the adjacent clearer (blue) waters both in terms of baseline and impact assessment and draw up a management plan.

- (xviii) Details of Emission, effluents, solid waste and hazardous waste generation and their management in the existing and proposed facilities.
- (xix) The EIA would also include an affidavit that no Hazardous chemicals as defined under the Environment Protection Act, 1986 are proposed to be handled.
- (xx) Toxicity Factor to be carried out on treated trade effluent beside chemical analysis.
- (xxi) The existing project should avail of and submit consent to operate from the State Pollution Control Board.
- (xxii) Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- (xxiii) Wastewater management plan.
- (xxiv) Details of Environmental Monitoring Plan.
- (xxv) To prepare a detailed biodiversity impact assessment report and management plan through the NIOS or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity. The report shall study the impact on the rivers, estuary and the sea and include the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, subtidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standard survey methods. This plan, duly evaluated and validated by the State Biodiversity Board shall form a part of the EIA report.
- (xxvi) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (xxvii) Disaster Management Plan for the above terminal.
- (xxviii) Layout plan of existing and proposed Greenbelt.
- (xxix) A response to any complaints that have been received by the project against the setting up of the project.
- (xxx) The details of waste water disposal into the sea, its impacts and Management plan.
- (xxxi) Status of court case pending against the project.
- (xxxii) Public hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.
- (xxxiii) A tabular chart with index for point wise compliance of above TORs.

*It was recommended that 'ToRs' along with Public Hearing prescribed by the Expert Appraisal Committee (Infrastructure-2) should be considered for preparation of EIA / EMP report*

for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. The draft EIA/EMP report shall be submitted to the State Pollution Control Board for public hearing. The issues emerged and response to the issues shall be incorporated in the EIA report.

**26.4.3 Proposed unit of Municipal Solid Waste Management at Khasra No.- 966, 992, 993, 1756, 1681, 1766, 1887, 1760 and 3103, at Village- Nuh, Tehsil & District- Bharatpur, Rajasthan by M/s Rollz Material Handling Systems Pvt Ltd – Terms of Reference (IA/RJ/MIS/71363/2017; F. No. 10-67/2017-IA-III)**

The project proponent gave a detailed presentation on the salient features of the project and informed that:

- (i) The proposed project is situated at Khasra Nos. 966, 992, 993, 1756, 1681, 1766, 1887, 1760 and 3103, Village Noh, Tehsil & District Bharatpur (Rajasthan). The project site area is 2.0 hectare, which lies about 5 km east of Bharatpur town.
- (ii) The proposed project is new project at already converted land for municipal solid waste dumping site of Nagar Nigam Bharatpur. The proposed land an area of 2.0 hectare for municipal Solid waste management is a govt. land of Nagar Nigam, Bharatpur which has been granted to Rollz Material Handling System Pvt. Ltd on lease vide letter no. N.N.B./2016-17/858 dated 18.10.2016 and N. N. B. / 2017-18/ 8013 dated 17.11.2017.
- (iii) The processing and disposal plant has been designed on latest technology involving accelerated and complete composting using thermophilic enzymes. Density separation along with above technology enables effective and efficient segregation of compost, RDF combustibles, recyclables and inert comprising of construction and demolition waste. The construction and demolition waste so separated is further planned to be converted into construction material thereby moving towards zero disposal in the landfill.
- (iv) Total power requirement for process will be about 200 kW. Two DG sets (40kVA & 25 kVA) will be provided for emergency power backup.
- (v) The estimated project cost is Rs 8.0 Crore. The capital investment of Land & site development, Civil works, Plant & Machinery and Particulars of interface equipment.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Proposed unit of Municipal Solid Waste Management at Khasra No.- 966, 992, 993, 1756, 1681, 1766, 1887, 1760 and 3103, at Village- Nuh, Tehsil & District - Bharatpur, Rajasthan by M/s Rollz Material Handling Systems Pvt Ltd.
- (ii) The project/activity is covered under category 'B' of item 7(i) 'Common Municipal Solid Waste Management Facilities' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at SEIAA/SEAC Level. However due to applicability of General Condition i.e. Protected Area, the project is appraised at Central Level.

*The Project Proponent informed that Keoladev National Park (Bharatpur Bird Sanctuary) is at 4.0 km in SW direction. Interstate Boundary is at 8.6 km in NE direction. The Committee asked the Project proponent to submit a certificate from the competent authority in the Forest Department that the proposed activity is allowed within the Eco-sensitive zone as per the ESZ notification and that it will not adversely impact the flight pattern or habitability of the avifauna and biodiversity of the National park.*

*The proposal was, therefore, deferred till the desired information is submitted.*

26.4.4	<p><b>Installation of Single Point Moorings (SPMs, jetties and shore connecting facilities, Crude Oil Terminal (COT), transportation of crude oil to COT &amp; further to refinery complex, product dispatch &amp; coastal movement through jetties, Desalination Plant, discharge of treated effluents to sea at Girye, Maharashtra for Ratnagiri Refinery and Petrochemicals Limited by M/s Indian Oil Corporation Limited – Terms of Reference (IA/MH/MIS/71377/2017; F. No. 10-68/2017-IA-III)</b></p> <p>(i) M/s Indian Oil Corporation Limited (IOCL), M/s Hindustan Petroleum Corporation Limited (HPCL) and M/s Bharat Petroleum Corporation Limited (BPCL) intend to jointly set up a 60 MMTPA integrated refinery-cum-petrochemical complex on the West Coast, primarily to cater to the growing fuels and petrochemical requirements of the country-besides addressing the additional objective of selective export of the produce. The refinery shall be located in Babulwadi in Rajapur Taluka of Ratnagiri District.</p> <p>(ii) The configuration of the refinery is based on two crudes blend with density ranging from 27 to 30°API. Considering 60 MMTPA crude processing capacity of the refinery, it is envisaged that the main crudes shall be brought through SPMs in VLCC carriers. The complex shall also have the flexibility to process opportunity crudes like waxy and high tan crudes and condensates which may be available in smaller parcel sizes. Therefore facilities shall also be provided in Jetty to bring smaller parcel size vessels.</p> <p>(iii) The marine facilities shall consist of</p> <ul style="list-style-type: none"> <li>• Three Single Buoy Mooring (SPM)</li> <li>• PLEM (Pipeline End Manifold)</li> <li>• 4-48” Submarine pipelines</li> <li>• Small craft Jetty for berthing of the support boats</li> <li>• Anchorage areas</li> </ul> <p>(iv) Crude oil will be pumped from tanker moored at SPMs (Single Point Mooring) by the tanker pumps via offshore &amp; onshore pipelines. As a part of crude handling capacity of terminal of 60 MMTPA, following facility has been considered to enable the required crude unload volume through SPMs.</p> <ul style="list-style-type: none"> <li>• 3 No's of SPMs</li> <li>• 4 No's 48” Offshore/Onshore Pipelines connecting SPMs with COT.</li> </ul> <p>(v) Five jetty in Girye bay, Vijaydurg has also been considered to handle the following:</p> <ul style="list-style-type: none"> <li>• Import of opportunity crudes / condensates, VGO, and VR.</li> <li>• Export of LPG and liquid fuel products.</li> <li>• Coastal movement of liquid fuel products in smaller size vessels</li> <li>• Export of solid petrochemical products.</li> </ul> <p>(vi) The Crude Oil Terminal (COT) shall comprise of the following facilities.</p> <ul style="list-style-type: none"> <li>• Crude Oil Storage and Blending</li> <li>• Desalination Plant</li> <li>• Utility &amp; Offsite</li> </ul> <p>(vii) The crude oil will be received at Crude Oil Terminal (COT) through SPM system and will be transported to refinery through a 48”cross-country pipeline. The COT shall have a storage capacity equivalent to 13 days of crude processing capacity. Total storage capacity is 26,40,000 m<sup>3</sup> (44 tanks).</p>
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- (viii) The estimated treated raw water requirement for the 60 MMTPA configurations is 120 MGD. It is proposed to set up a desalination plant at Girye port Vijaydurg to supply treated raw water to the complex. The desalination plant will be located in the Crude Oil Terminal. Permeate water from the plant will be pumped to the refinery complex through three 48" dia pipelines. The approximate distance between the Desalination plant and the refinery complex is 15 KM.
- (ix) Proposed project is coming in wasteland and agricultural land.
- (x) There is 250 m<sup>3</sup>/hr water is required for COT facilities. 120 MGD Desalination plant will be setup within COT facilities to supply water to refinery cum petrochemical complex. Water will be sourced from sea.
- (xi) Waste water will be generated and will be treated in new ETP placed within COT.
- (xii) Solid waste generation is envisaged in proposed project. The same will be disposed as per MoEFCC/CPCB practices.
- (xiii) Total power requirement is 150 MW (20 MW for COT and 130 MW for desalination plant) and the same will be sourced from State Grid.
- (xiv) All energy saving measures shall be followed.
- (xv) Rain Water harvesting structures shall be developed.
- (xvi) Adequate parking provision will be provided.
- (xvii) Total cost of project is Rs: 13000 Crores.
- (xviii) Employment generation: At least 500 permanent employees will be recruited for the proposed project.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Installation of Single Point Moorings (SPMs, jetties and shore connecting facilities, Crude Oil Terminal (COT), transportation of crude oil to COT & further to refinery complex, product dispatch & coastal movement through jetties, Desalination Plant, discharge of treated effluents to sea at Girye, Maharashtra for Ratnagiri Refinery and Petrochemicals Limited by M/s Indian Oil Corporation Limited.
- (ii) The project/activity is covered under category 'A' of item 7(e) 'Ports, harbours, break waters, dredging' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

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

- (i) Importance and benefits of the project.
- (ii) The E.I.A. should present a comprehensive analysis of alternative sites along with reasons for choosing the proposed site.
- (iii) The E.I.A. would in a separate chapter specifically address to the proposals likely to be implemented in the first 10 years and highlight these environmental impacts and mitigation plans.
- (iv) The report should include consent to establish, as granted by the State Pollution Control

Board on the proposals.

- (v) Submit a complete set of documents required as per para 4.2 (i) of CRZ Notification, 2011.
- (vi) Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale.
- (vii) Recommendation of the SCZMA.
- (viii) Various Dock and shipbuilding facilities with capacities for existing and proposed project.
- (ix) List of cargo to be handled along with mode of transportation.
- (x) Layout plan of existing and proposed Port.
- (xi) Study the impact of dredging on the shore line.
- (xii) A detailed impact analysis of rock dredging.
- (xiii) The Air Quality Index shall be calculated for base level air quality.
- (xiv) Study the impact of dredging and dumping on marine ecology and draw up a management plan through the NIO or any other institute specializing in marine ecology.
- (xv) A detailed analysis of the physico-chemical and biotic components in the highly turbid waters round the project site (as exhibited in the Google map shown during the presentation), compare it with the physico-chemical and biotic components in the adjacent clearer (blue) waters both in terms of baseline and impact assessment and draw up a management plan.
- (xvi) Details of Emission, effluents, solid waste and hazardous waste generation and their management in the existing and proposed facilities.
- (xvii) The EIA would also include an affidavit that no Hazardous chemicals as defined under the Environment Protection Act, 1986 are proposed to be handled.
- (xviii) Toxicity Factor to be carried out on treated trade effluent beside chemical analysis.
- (xix) The existing project should avail of and submit consent to operate from the State Pollution Control Board.
- (xx) Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- (xxi) Wastewater management plan.
- (xxii) Details of Environmental Monitoring Plan.
- (xxiii) To prepare a detailed biodiversity impact assessment report and management plan through the NIOS or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity. The report shall study the impact on the rivers, estuary and the sea and include the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, subtidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standard survey methods. This plan, duly evaluated and validated by the State Biodiversity Board shall form a part of the EIA report.
- (xxiv) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or

proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

- (xxv) Disaster Management Plan for the above terminal.
- (xxvi) Layout plan of existing and proposed Greenbelt.
- (xxvii) A response to any complaints that have been received by the project against the setting up of the project.
- (xxviii) The details of waste water disposal into the sea, its impacts and Management plan.
- (xxix) Status of court case pending against the project.
- (xxx) Public hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.
- (xxxi) A tabular chart with index for point wise compliance of above TORs.

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

**26.4.5 Proposed Integrated Industrial Area Development Project at Village Usatane, Taluka Ambernath, District Thane, Maharashtra by M/s Palava Dwellers Pvt Ltd – Terms of Reference (IA/MH/NCP/70601/2017; F. No. 21-360/2017-IA-III)**

The project proponent and the accredited Consultant M/s Mahabal Enviro Engineers Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at 19<sup>0</sup>06'44.01"N Latitude and 73<sup>0</sup>07'45.21"E Longitude.
- (ii) The project is proposing Integrated Industrial Area Development Project on Land bearing S. No. 58/1, 58/2, 59/1, 59/2, 75/-, 77/A, 77/B, 78/-,79/-, 80/-, 81/-,82/1 ,82/2, 82/3, 83/1, 83/2, 83/3/1, 83/3/2, 83/4, 84/1/1, 84/1/2, 84/2, 85/-, 86/1, 86/2, 86/3, 86/4, 86/5, 86/6, 86/7, 87/1, 89/1, 89/2, 89/3, 89/5, 89/6, 90/-, 91/1, 92/A, 92/B, 93/1, 93/2A, 93/2B, 93/3, 93/4, 94/1, 94/2, 120/1, 120/2A, 120/2B, 120/2C, 120/3A, 120/3B, 120/4, 120/5, 120/7, 120/10B, 122/1 ,122/2, 122/3, 123/-, 124/1A, 124/1B, 124/2, 125/1, 125/2, 127/1, 127/2, 127/3, 127/5, 128/1A, 128/1B, 128/2, 128/3, 128/4, 128/5, 128/6, 129/1A, 130/-, 131/-, 133/1, 133/2, 133/3, 133/4, 133/5A, 133/5B, 133/6, 133/7A, 133/8A, 133/8B, 133/9A, 133/9B, 133/12, 133/13, 133/14, 134/1A, 134/1B, 134/4, 135/-, 136/4, 136/7, 136/8, 136/9, 136/10, 138/- at Village Usatane, Taluka – Ambernath, District- Thane. The Project comes within the municipal limits of Maharashtra Industrial development Corporation.
- (iii) This is a new proposal. The total plot area is 5,01,757 sqm, FSI area is 2,99,945.33 sqm and total construction area is 3,14,435.33 sqm. 4 industrial sheds, 18 ware house, amenities, data centre, admin building, utilities, tanks, cabins & others will be constructed.
- (iv) During construction phase, total water requirement is expected to be 150 KLD which is supplied by tanker water/Treated water from STP of our other projects. During the

construction phase soak pits and septic tanks are 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 642 KLD and the same will be met by fresh water from Maharashtra Industrial development Corporation (MIDC) and recycled water. Wastewater generated (606 KLD) will be treated in STPs of capacity 650 KLD. 545 KLD of treated wastewater will be recycled (283 KLD for flushing & 262 KLD for gardening). About 55 KLD will be disposed in to sewer.
- (vi) About 2932 kg/d solid waste will be generated in the project. The biodegradable waste (1760 kg/d) will be processed in organic waste converter and the non-biodegradable waste generated (1172 kg/d) will be handed over to authorized local vendor.
- (vii) Total power requirement (Demand Load) is 29.12 mVA and will be met from MSEDCL.
- (viii) Roof top rain water will be stored in Rainwater harvesting tanks. The overflow from same will be discharged in Recharge pits.
- (ix) Parking facility for 1369 Nos. four wheeler, 274 Nos. of trucks, 14 nos. of Trailer Truck, 1415 Nos. of Scooter, 1415 Nos. of cycle.
- (x) Proposed energy saving measures would save about 21% of power requirement.
- (xi) Site is located at 5.1 km from Matheran Eco sensitive Area.
- (xii) There is no court case pending against the project.
- (xiii) Investment /cost of the project is Rs. 457 Crores
- (xiv) Employment potential :13100 Nos.
- (xv) The proposed project is Integrated Industrial Area Development Project. The project will generate about 13100 Nos. employment (Warehouse and industries, services, maintenance, plumbing, electricians, Canteen, office) during operational phase which will benefit the local population in getting work opportunities.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Proposed Integrated Industrial Area Development Project at Village Usatane, Taluka Ambarnath, District Thane, Maharashtra by M/s Palava Dwellers Pvt Ltd in a plot area of 5,01,757 sqm and total built-up area of 3,14,435.33 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

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

- (i) The E.I.A. would give details of specific activities proposed in the Industrial sheds along with impacts and management plans.
- (ii) The EIA would study the impact of dewatering and draw up an action plan for disposal of the excess water.
- (iii) The EIA would study the impact of Demolition and conformance to the Construction and Demolition Rules under the E.P. Act, 1986.

- (iv) The Air Quality Index shall be calculated for base level air quality.
- (v) A detailed report on compliance to ECBC norms.
- (vi) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (vii) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development Department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (viii) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (ix) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (x) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (xi) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- (xii) The EIA should also give a compliance plan to conditions stipulated in Annexure XIV of the amended EIA Notification vide S.O. 3999 (E) dated 09.12.2016.

26.4.6 **Expansion of IT Park at Zamin Pallavaram Village, Tambaram Taluk, Kanchipuram District, Tamil Nadu by M/s. SNP Infrastructure LLP (Represented by M/s. Embassy Property Developments Pvt. Ltd. - Co-Developer and Power Agents) – Terms of Reference (IA/TN/NCP/70679/2017; F. No. 21-361/2017-IA-III)**

The project proponent and the accredited Consultant M/s Eco Services India Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) SNP Infrastructure Pvt. Ltd. obtained Environmental Clearance (EC) in July 2008 from the Ministry of Environment & Forests, New Delhi and subsequently obtained the revalidation of Environmental Clearance in September 2016 from SEIAA, Tamil Nadu. Additional land adjoining the project site was acquired and now it is proposed to construct additional blocks while continuing the construction of blocks approved in the previously granted EC.
- (ii) There is a proposed expansion in the land extent as well as in the total built-up area. Certified Copy of the EC Compliance Report has been obtained from Regional Office (South Eastern Zone), MoEF&CC.
- (iii) The proposal involves expansion of IT Park with the total built-up area of 7,14,681 sqm in the land extent of 1,20,547 sqm at Zamin Pallavaram Village, Tambaram Taluk, Kanchipuram District. The project consist of 5 IT Blocks with 3B+G+9 Floors (Combined



Basement) and Utility Block with B+G+1 Floor and the current expansion proposal involves additional 5 IT Blocks with 3B+G+9 Floors (Combined Basement), additional floor in Utility Block with B+G+2 Floor, Food Court with G+2 Floors and Admin Block with G+2 Floors.

- (iv) The total water requirement during operation phase of the project is estimated to be 4,131 KLD and the fresh water requirement is about 1,607 KLD which will be sourced from Chennai Metro Water Supply and Sewerage Board (CMWSSB). The wastewater generation from the project is estimated to be about 2,576 KLD, which will be treated in a sewage treatment plant of total capacity 2,645 KLD. The treated wastewater is proposed to be recycled for flushing, gardening and cooling water make-up / HVAC.
- (v) It is estimated that the solid wastes comprising of 10.6 T/day of biodegradable wastes and 7.1 Ton/day of non-biodegradable wastes will be generated from the entire development. Wastes from IT park will be collected on daily basis and taken to a centralized collection facility. Final segregation of solid waste into biodegradable, and non-biodegradable will be done and the Bio degradable waste will be treated in Organic Waste Converters and used as manure within the premises. The non bio degradable/recyclable wastes will be handed over to authorized recyclers.
- (vi) The power requirement during operation will be about 75 MVA which will be sourced from the nearby TANGEDCO grid. For emergency power back-up DG sets are proposed. The emissions from the DG sets will be let out through stacks of adequate heights as per CPCB norms.
- (vii) Parking facilities for 6,262 Car Parks and 7,368 Two Wheeler Car Parks is proposed as against the CMDA requirement of 6,061 Car Parks and 7,365 Two Wheeler Car Parks.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Expansion of IT Park at Zamin Pallavaram Village, Tambaram Taluk, Kanchipuram District, Tamil Nadu by M/s. SNP Infrastructure LLP (Represented by M/s. Embassy Property Developments Pvt. Ltd. - Co-Developer and Power Agents) in a plot area of 1,20,547 sqm and total built-up area of 7,14,681 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

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

- (i) The EIA would study the impact of dewatering and draw up an action plan for disposal of the excess water.
- (ii) The EIA would study the impact of Demolition and conformance to the Construction and Demolition Rules under the E.P. Act, 1986.
- (iii) Certified Compliance Report issued by the MoEF&CC, Regional Office or concerned Regional Office of Central Pollution Control Board or the Member Secretary of the respective State Pollution Control Board for the conditions stipulated in the earlier environmental clearance issued for the project along with an action taken report on issues which have been stated to be partially complied or non/not complied.
- (iv) The E.I.A. should also include an action taken report on the issues flagged as non

	<p>compliant by the MoEFCC and the Pollution Control Board as above.</p> <ul style="list-style-type: none"> <li>(v) The Air Quality Index shall be calculated for base level air quality.</li> <li>(vi) A detailed report on compliance to ECBC norms.</li> <li>(vii) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.</li> <li>(viii) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development Department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.</li> <li>(ix) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.</li> <li>(x) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.</li> <li>(xi) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.</li> <li>(xii) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.</li> <li>(xiii) The EIA should also give a compliance plan to conditions stipulated in Annexure XIV of the amended EIA Notification vide S.O. 3999 (E) dated 09.12.2016.</li> </ul>
<p>26.4.7</p>	<p><b>Proposed commercial complex “Surat Diamond Bourse” at Block No.: 177/P, Moje: Khajod, Taluka: Surat City, District: Surat by M/s. SDB Diamond Bourse – Terms of Reference (IA/GJ/NCP/70802/2017; F. No. 21-362/2017-IA-III)</b></p> <p>The project proponent and the accredited Consultant M/s en-vision Enviro Technologies Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:</p> <ul style="list-style-type: none"> <li>(i) The project is located at 21° 6'36.87" N and 72°47'42.80"E</li> <li>(ii) This is a new proposal and the total plot area is 1,43,825.40 sqm, FSI area is 3,98,176.42 sqm and total construction area of 6,31,826.7 sqm. The project will comprise of Lower Basement, Upper Basement + Ground Floor + 1 building interconnected with 9 towers having 15 floor structures in complex with 4697 nos. of office units. Maximum height of the building is 85 m.</li> <li>(iii) During construction phase, total water requirement is expected to be 575 KLD which will be met by Dream City. During the construction phase, 180 KLD generated which will be disposed off through septic tank / soak pit arrangement or underground network of dream city.</li> <li>(iv) During operational phase, total water demand of the project is expected to be 1,790 KLD,</li> </ul>

operation phase permanent staff and visitor staff water requirement will be 1160 (Fresh-900 KLD + Recycled – 260 KLD), Gardening and other will be 120 KLD and Chilling unit will be 510 KLD and the same will be met by the 890 KLD Recycled Water. Wastewater generated (890 KLD) uses will be treated in STP of adequate capacity. 890 KLD of treated wastewater will be recycled. No treated effluent will be disposed in to municipal drain.

- (v) About 10.669 TPD solid wastes will be generated in the project. The biodegradable waste the wet waste (4.3 TPD) will be processed in common OWC and the non-biodegradable waste Dry waste generated (6.225 TPD) will be handed over to authorized local vendor. STP sludge (0.144 TPD) will be composted and utilized as manure within garden area.
- (vi) The total power requirement during construction phase is 1650 KVA and will be met from DGVCL and total power requirement during operation phase is 18.8 KW and will be met from DGVCL.
- (vii) Rooftop rainwater of buildings will be collected in 2 Nos. RWH tanks of total 1110 KL capacity for harvesting after filtration.
- (viii) Parking facility for 2,14,757.42 sqm area for four wheelers and two wheelers is proposed to be provided against the requirement of 1,94,523.93 sqm (according to local norms).
- (ix) Proposed energy saving measures would save about 15-20% of power.
- (x) It is not located within 10 km of Eco Sensitive areas
- (xi) There is no court case pending against the project.
- (xii) Cost of the project is Rs.2207.5 Crores.
- (xiii) Employment potential: During construction phase nos. of workers will be 5000 and during operation phase nos. of permanent staff will be 31220.
- (xiv) **Benefits of the project:** Surat Diamond Bourse will be seen as an exemplar for integrating high-density commercial architecture along with efficient climate-responsive design. The project will give direct / indirect employment to the people.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Proposed commercial complex "Surat Diamond Bourse" at Block No.: 177/P, Moje: Khajod, Taluka: Surat City, District: Surat by M/s. SDB Diamond Bourse in a plot area of 1,43,825.40 sqm and total built-up area of 6,31,826.7 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

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

- (i) The EIA would study the impact of dewatering and draw up an action plan for disposal of the excess water.
- (ii) The EIA would study the impact of Demolition and conformance to the Construction and Demolition Rules under the E.P. Act, 1986.

- (iii) The Air Quality Index shall be calculated for base level air quality.
- (iv) A detailed report on compliance to ECBC norms.
- (v) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (vi) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development Department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (vii) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (viii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (ix) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (x) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- (xi) The EIA should also give a compliance plan to conditions stipulated in Annexure XIV of the amended EIA Notification vide S.O. 3999 (E) dated 09.12.2016.

26.4.8 **Proposed Group Housing Aqua City Phase 1 at Danapur Patna, Bihar by M/s Saakaar Constructions Pvt Ltd – Terms of Reference (IA/BR/NCP/70816/2017; F. No. 21-363/2017-IA-III)**

The project proponent and the accredited Consultant M/s Ind Tech House Consult gave a detailed presentation on the salient features of the project and informed that:

- (i) M/s Saakaar Constructions Pvt. Ltd. Proposes to develop Phase I of “Aqua City” at Danapur, Patna, Bihar.
- (ii) The project comprises of 23 building blocks (21 Residential+1 Commercial+1 temple) including two basements with a maximum height of 70.55 metres and maximum 21 floors. The proposed project is on a Gross Plot area - 50,216.89 sqm and Built up area 2,37,003.90 sqm.
- (iii) Total population of the proposed project will be 9889 which includes the population of 7775 residential+454 Non Resdl+1660 Visitors.
- (iv) The total water requirement for the project has been estimated to be 770 KLD. The total fresh water requirement is 544 KLD which includes domestic water requirement. The water requirement for flushing and landscaping will be met through treated water from STP.

- (v) Total waste water generated is 606 KLD. The treated water will be recycled and re-used for flushing and landscaping & there will 258 KLD of surplus treated water which will be handed over to nearby construction site.
- (vi) The total electrical load demand has been estimated to be 8810 KW for the proposed project. The source of power will be from Patna State Electricity Board (PSEB).
- (vii) In case of power failure, DG sets of total capacity of 4200 KVA for the proposed project will be provided as power back-up.
- (viii) Investment/Cost of the project is 270 Crores.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Proposed Group Housing Aqua City Phase 1 at Danapur Patna, Bihar by M/s Saakaar Constructions Pvt Ltd in a plot area of 50,216.89 sqm and total built-up area of 2,37,003.90 sqm.
- (ii) The project/activity is covered under category 'B' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at SEIAA/SEAC Level. However due to absence of SEIAA/SEAC in Bihar, the project is appraised at Central Level.

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

- (i) The project proponents would submit an affidavit that there is no violation and no part of the project for which the application is being made is implemented.
- (ii) The EIA would study the impact of dewatering and draw up an action plan for disposal of the excess water.
- (iii) The EIA would study the impact of Demolition and conformance to the Construction and Demolition Rules under the E.P. Act, 1986.
- (iv) The Air Quality Index shall be calculated for base level air quality.
- (v) A detailed report on compliance to ECBC norms.
- (vi) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (vii) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development Department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (viii) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.

- (ix) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (x) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (xi) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- (xii) The EIA should also give a compliance plan to conditions stipulated in Annexure XIV of the amended EIA Notification vide S.O. 3999 (E) dated 09.12.2016.

**26.4.9 Residential and Commercial Project at Block C, Wadala Truck Terminus, Mumbai by M/s Bellissimo Crown Buildmart Pvt Ltd – Terms of Reference (IA/MH/NCP/70875/2017; F. No. 21-364/2017-IA-III)**

The project proponent and the accredited Consultant M/s Mahabal Enviro Engineers Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at 19<sup>0</sup>02'15.97"N Latitude and 72<sup>0</sup>52'44.00"E Longitude.
- (ii) This is an expansion project. The proposal is for proposed Residential & Commercial Project at Block 'C' Wadala Truck Terminus, Mumbai. The Project comes within the municipal limits of Municipal Corporation of Greater Mumbai. Earlier EC received vide Letter No. SEAC 2010/CR-814/TC.2 dated 05.09.2011 and Amendment in EC vide Letter No. SEIAA-2012/CR-814/TC.2 dated 17.01.2013 and Amendment in EC vide No. SEAC-2010/CR-814/TC.2 on dated 11.06.2014 for plot area 92,600 sqm, FSI area is 4,95,000 sqm and total construction area is 11,48,749 sqm.
- (iii) The total plot area is 92,600 sqm. FSI area is 3,87,899 sqm and total construction area is 8,80,393 sqm. 10 Residential Towers, 2 Commercial Buildings, One club house and One School building and basements for parking will be constructed.
- (iv) During construction phase, total water requirement is expected to be 200KLD which is supplied by tanker water/Treated water of STP. During the construction phase soak pits and septic tanks are 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 3042 KLD and the same will be met by fresh water from Municipal Corporation of Greater Mumbai. (MCGM) and recycled water. Wastewater generated (2840 KLD) will be treated in STPs of capacity 3000 KLD. The 1965 KLD of treated wastewater will be recycled (1022 KLD for flushing, 605 KLD for HVAC Make up & 338 KLD for gardening). About 847 KLD will be disposed in to sewer.
- (vi) About 11662 kg/d solid waste will be generated in the project. The biodegradable waste (6997kg/d) will be processed in organic waste converter and the non-biodegradable waste generated (4665 kg/d) will be handed over to authorized local vendor.
- (vii) Total power requirement (Connected Load) is 66 MW and will be met from BEST.
- (viii) The Rooftop rainwater of buildings will be collected in RWH tanks for harvesting after filtration.
- (ix) Parking facility for 7272 four wheelers is proposed to be provided against the requirement of 6939 (according to local norms).

- (x) Proposed energy saving measures would save about 20.07% of power requirement.
- (xi) Site is located at 11 km from Sanjay Gandhi national Park. As per ESZ Notification of SGNP Borivali vide letter no. S.O.3645 (A) dated 05.12.2012, the site is not within 100 m ESZ of SGNP.
- (xii) There is no court case pending against the project.
- (xiii) Investment /cost of the project is Rs. 4248 Crores.
- (xiv) Employment potential: 10025 Nos.
- (xv) The project will generate employment (labour employment of commercial area, household activity, services, maintenance, plumbing, electricians) during operational phase which will benefit the local population in getting work opportunities. It will create long term employment in activities such as maintenance of the buildings and ancillary services.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Residential and Commercial Project at Block C, Wadala Truck Terminus, Mumbai by M/s Bellissimo Crown Buildmart Pvt Ltd in a plot area of 92,600 sqm and total built-up area of 8,80,393 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

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

- (i) Recommendation of the MCZMA.
- (ii) Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale.
- (iii) Submit a complete set of documents required as per para 4.2 (i) of CRZ Notification, 2011.
- (iv) No Objection Certificate from the concerned State Pollution Control Boards for the projects involving discharge of effluents, solid wastes, sewage and the like.
- (v) The EIA would study the impact of dewatering and draw up an action plan for disposal of the excess water.
- (vi) The EIA would study the impact of Demolition and conformance to the Construction and Demolition Rules under the E.P. Act, 1986.
- (vii) Certified Compliance Report issued by the MoEF&CC, Regional Office or concerned Regional Office of Central Pollution Control Board or the Member Secretary of the respective State Pollution Control Board for the conditions stipulated in the earlier environmental clearance issued for the project along with an action taken report on issues which have been stated to be partially complied or non/not complied.
- (viii) The E.I.A. should also include an action taken report on the issues flagged as non compliant by the MoEFCC and the Pollution Control Board as above.
- (ix) The Air Quality Index shall be calculated for base level air quality.

- (x) A detailed report on compliance to ECBC norms.
- (xi) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (xii) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development Department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (xiii) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (xiv) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (xv) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (xvi) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- (xvii) The EIA should also give a compliance plan to conditions stipulated in Annexure XIV of the amended EIA Notification vide S.O. 3999 (E) dated 09.12.2016.

**26.4.10 Expansion of Paranjape Abhiruchi Parisar by Paranjape Schemes (Construction) Limited at Sr. No.24/1 (part) + 25, at village Dhayari, Taluka Haveli, District Pune by M/s Paranjape Schemes Construction Limited – Terms of Reference (IA/MH/NCP/70202/2017; F. No. 21-366/2017-IA-III)**

The project proponent and the accredited Consultant M/s Mahabal Enviro Engineers Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at 18°27'01.38" N latitude and 73°49'28.49" E longitude.
- (ii) This is an expansion project. Earlier Environment Clearance was received from Government of Maharashtra vide File No. SEACIII/CR131/TC-3 Dated 21<sup>st</sup> January, 2016. The construction work is in progress as per the EC received.
- (iii) The plot area is 1,01,243 sqm, Proposed FSI area is 1,36,650 sqm and total construction area is 3,24,929 sqm. The proposed development will have residential buildings 24 Nos. and 3 no. of Club House. Maximum height of the building is 49.95 m.
- (iv) During construction phase, total water requirement is expected to be 50 m<sup>3</sup>/day which will be met by tanker water. During the construction phase, septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided.
- (v) During operational phase, total water demand of the project is expected to be 1,796 m<sup>3</sup>/day and same will be met by fresh water from Pune Municipal Corporation (PMC).



Wastewater generated (1,616 m<sup>3</sup>/day) will be treated in STP of 1,690 m<sup>3</sup>/day capacity. 593 m<sup>3</sup>/day of treated water will be recycled for flushing, about 44 m<sup>3</sup>/day for gardening.

- (vi) About 6,617 kg/day solid waste will be generated in the project. The biodegradable waste 3,970 kg/day will be processed in mechanical composting and the non-biodegradable waste 2,647 kg/day will be segregated and disposed of to recyclers.
- (vii) The total power requirement during construction phase is 100 kVA and will be met from MSEDCL and Total power requirement during operation phase is 6,855 kW (demand Load) and will be met from MSEDCL
- (viii) The groundwater will be recharged through 25 no. of recharge pits.
- (ix) Parking facility for 2,357 Nos. four wheelers and 5,603 Nos. two wheelers and 3,929 Nos of Cycles are proposed to be provided.
- (x) Energy saving of total >2.51 % above ECBC 2007.
- (xi) Site is not located within 10 km of any National Park (Eco Sensitive Zone).
- (xii) There is no court case pending against the project.
- (xiii) Investment/Cost of the project is Rs. 623 Crore.
- (xiv) Employment potential: During Construction: Workers: 200 Nos.
- (xv) Benefits of the project: This project is basically self-sustaining in nature. The project will generate employment (Labour employment of household activity) during operational phase which will benefit the local population in getting work opportunities. It will create long term employment in activities such as maintenance of the buildings and ancillary services.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Expansion of Paranjape Abhiruchi Parisar by Paranjape Schemes (Construction) Limited at Sr. No.24/1 (part) + 25, at village Dhayari, Taluka Haveli, District Pune by M/s Paranjape Schemes Construction Limited in a plot area of 1,01,243 sqm and total built-up area of 3,24,929 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

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

- (i) The EIA would study the impact of dewatering and draw up an action plan for disposal of the excess water.
- (ii) The EIA would study the impact of Demolition and conformance to the Construction and Demolition Rules under the E.P. Act, 1986.
- (iii) Certified Compliance Report issued by the MoEF&CC, Regional Office or concerned Regional Office of Central Pollution Control Board or the Member Secretary of the respective State Pollution Control Board for the conditions stipulated in the earlier environmental clearance issued for the project along with an action taken report on issues which have been stated to be partially complied or non/not complied.

- (iv) The E.I.A. should also include an action taken report on the issues flagged as non compliant by the MoEFCC and the Pollution Control Board as above.
- (v) The Air Quality Index shall be calculated for base level air quality.
- (vi) A detailed report on compliance to ECBC norms.
- (vii) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (viii) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development Department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (ix) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (x) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (xi) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (xii) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- (xiii) The EIA should also give a compliance plan to conditions stipulated in Annexure XIV of the amended EIA Notification vide S.O. 3999 (E) dated 09.12.2016.

**26.4.11 Proposed Township (101 Acres) at Plot Nos. 32/1, 33/1A/1, 33/1B, 33/3, 34/2A/1, 34/2B, 35, 36/0, 14/0,15/0,16/1,16/2,16/3, 17/1, 17/2(Part),18/1A, 18/1B, 20/20, Village Hatnoli, Tehsil Khalapur, District Raigad, Maharashtra, by M/s Jairamjiki Developments Ltd - Terms of Reference (IA/MH/NCP/71067/2017 ; F. No. 21-367/2017-IA-III)**

The project proponent and the accredited Consultant M/s Vardan EnviroNet gave a detailed presentation on the salient features of the project and informed that:

- (i) The proposed "Township" located at Village Hatnoli, Tehsil Khalapur, District Raigad, Maharashtra being developed by M/s Jairamjiki Developments Ltd. The company is having its registered office at Soni House, opp. Roop Talkies, Nehru Road, Santacruz East, Mumbai. The management of the company has decided to develop a Township. The company has already acquired the land measuring 101 Acres at Vill Hatnoli, Tehsil Khalapur, District Raigad, Maharashtra to develop a township at the proposed site. The area is already attracted by well known builders and developers those are developing the area very fast. The site is ideal as it is far from densely populated area of Karjat and Chowk.

- (ii) The proposed project site is located at Village Hatnoli, Tehsil Khalapur, District Raigad, Maharashtra. The Coordinates of the project site are:
1. 18° 53'45.78"N & 73°15'08.56"E
  2. 18° 53'34.47"N & 73°15'15.39"E
  3. 18° 53'09.98"N & 73°15'02.63"E
  4. 18° 53'21.87"N & 73°14'51.76"E
- (iii) The nearest highway is NH 48 which is approx. 50 m in North direction. The nearest railway station is Chowk Railway Station at a distance of approx. 1.29 Km. in NW direction from the proposed project site. The nearest airport is Chhatrapati Shivaji International Airport at a distance of approx. 45 km in NW direction from the project site.
- (iv) The total area of the proposed project is estimated 4,08,732.50 sqm (101 Acres). The detailed Area Statement and other information is provided below in Table:

S. No.	Particulars	Area (sqm)
1.	Project Name	Proposed Township M/s Jairamjiki Developments Ltd. Village- Hatnoli, Tehsil- Khalapur, District Raigad, Maharashtra
2.	Activity in the complex	Residential, Commercial, Educational and Public Utility.
3.	Total area	4,08,732.50 sqm (101Acres)
4.	Net plot area	3,57,640.94 sqm /88.374 Acres
5.	Permissible Ground Coverage @ 50%	1,78,820.47 sqm
	Proposed Ground Coverage @ 50%	1,78,820.47 sqm
6.	Permissible FAR @ 170%	6,94,845.25 sqm
	Proposed FAR @ 170%	6,94,845.25 sqm
7.	Non-FAR (service floor+ Basement Area)	1,49,627.9 sqm
8.	Built-up area (FAR + Non-FAR)	8,38,144.9 sqm
9.	Maximum height	42 m
10.	Maximum No. of Floor	G + 13
13.	Power Requirement & Sources	6012 KVA Source: Maharashtra State Electricity Distribution Company Limited (MSEDCL)
14.	No. of DG sets	4 no. of DG sets (4X 2500) having total capacity of 10,000 KVA
15.	Water requirement & Sources	Total Water Requirement: 5016 KLD Fresh Water Requirement: 2166 KLD Treated Water Requirement: 2850 KLD Source: Maharashtra Jeevan Pradhikaran (MJP)
16.	Sewage Treatment & Disposal	<b>STP capacity:</b> 3900 KLD <b>Sewage discharge:</b> 2918 KLD of treated water will be obtained from STP after treatment, out of which 1509 KLD shall be utilized for the purpose of flushing, 1042 KLD for greenbelt development, 11 KLD for DG Cooling, 288 KLD for HVAC cooling and surplus 68 KLD water sent to nearby construction sites.
17.	Estimated Population	<b>43149 persons</b>
18.	Connectivity	The project site is connected to 12 m wide service roads which shall provided access to other parts of

		the city.
19.	Permissible Green Area @ 33%	134881.73 sqm
	Proposed Green Area @ 36.14 %	148857.14 sqm
20.	Cost of the project	800 Crores (Approx)

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Proposed Township (101 Acres) at plot no. 32/1, 33/1A/1, 33/1B, 33/3, 34/2A/1, 34/2B, 35, 36/0, 14/0,15/0,16/1,16/2,16/3, 17/1, 17/2(Part),18/1A, 18/1B, 20/20, Village Hatnoli, Tehsil Khalapur, District Raigad, Maharashtra, by M/s Jairamjiki Developments Ltd. in a plot area of 4,08,732.50 sqm and total built-up area of 8,38,144.9 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

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

- (i) The E.I.A. should present a comprehensive analysis of alternative sites along with reasons for choosing the proposed site.
- (ii) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (iii) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent department for infrastructure development and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (iv) A plan for disposal of water from dewatering its conformity to CGWA guidelines.
- (v) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (vi) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (vii) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- (viii) The Air Quality Index shall be calculated for base level air quality.

- (ix) The EIA would study the impact of dewatering and draw up an action plan for disposal of the excess water.
- (x) The EIA would study the impact of Demolition and conformance to the Construction and Demolition Rules under the E.P. Act, 1986.
- (xi) The EIA should also give a compliance plan to conditions stipulated in Annexure XIV of the amended EIA Notification vide S.O. 3999 (E) dated 09.12.2016.

**26.4.12 Proposed Expansion Slum Rehabilitation Scheme of “Shree Saibaba Nagar SRA Co-Op. Hsg. Soc. (Prop.)” at plot no. C.S. No. 1(pt) , 2(pt) and 3(pt) and C.S. No. 1(pt) , 2(pt) and 3(pt) of Lower Parel Division G/S Ward at G.B. Sakpal Marg and Babu Kamlakant Singh Marg, Dhobighat, Satrasta, Mumbai by M/s. Omkar Realtors Projects Pvt. Ltd. – Terms of Reference (IA/MH/NCP/71195/2017 ; F. No. 21-368/2017-IA-III)**

The project proponent and the accredited Consultant M/s Building Environment India Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at Plot bearing C.S. No. 1(pt), 2(pt) and 3(pt) of Lower Parel Division in G/South Ward at G.B. Sakpal Marg and Babu Kamlakant Singh Marg, Dhobighat, Satrasta, Mumbai for Shree Saibaba Nagar CHS ( Prop.) & other 7 Societies. Geographical coordinates of the proposed site is Latitude 18°59'0.40"N, Longitude 72°49'35.43"E.
- (ii) The project is Expansion of SRA Development. Earlier Clearance the project was accorded Environmental Clearance on 9<sup>th</sup> August, 2017 from SEIAA Maharashtra for a Construction (built-up) area of 1,86,541.08 sqm.
- (iii) The total plot area is 42,542.79 sqm. The project will comprise of following components:

<b>Rehabilitation:</b>	<b>Rehab Bldg. No. 1:</b> Gr. + 42nd Upper Floor <b>Rehab Bldg. No. 2:</b> GR + 28th (Pt.) Floors.
<b>Sale:</b>	<b>Sale Building No. 1 (Tower 1, Tower 2 &amp; Tower 3)</b> <b>Tower -1:</b> Basement + Gr. + 1 <sup>st</sup> to 6 <sup>th</sup> Podium + 7 <sup>th</sup> & 8 <sup>th</sup> Amenity Floor + 9 <sup>th</sup> Service Floor +10 <sup>th</sup> to 79 <sup>th</sup> Upper Floor <b>Tower-2:</b> Basement + Gr. + 1 <sup>st</sup> to 6 <sup>th</sup> Podium + 7 <sup>th</sup> & 8 <sup>th</sup> Amenity Floor + 9 <sup>th</sup> Service Floor +10 <sup>th</sup> to 40 <sup>th</sup> Upper Floor <b>Tower-3.:</b> Basement + Gr. + 1 <sup>st</sup> to 6 <sup>th</sup> Podium + 7 <sup>th</sup> & 8 <sup>th</sup> Amenity Floor + 9 <sup>th</sup> Service Floor +10 <sup>th</sup> to 40 <sup>th</sup> Upper Floor
FSI Area: 1,62,790.64 sqm Non FSI Area: 2,55,044.37 sqm Total construction area of 4,17,835.01 sqm	

- (iv) During construction phase, total water requirement is expected to be 12 KLD for workers and 10-20 KLD for construction, which will be met by M.C.G.M and water tankers. During the construction phase, 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 2451.00 KLD and the same will be met by the M.C.G.M/ Tanker/ RWH and recycled water. Waste water generated (2194.00 KLD) uses will be treated in STP. Treated wastewater will be recycled for flushing, for gardening and car washing. Excess will be disposed in to municipal drain.
- (vi) About 7798.00 Kg/day solid waste will be generated in the project. The biodegradable waste 4597.00 kg/day will be processed in OWC and the non-biodegradable waste generated 3202.00 kg/day will be handed over to authorized local vendor.

- (vii) The total power requirement during construction phase is 100 KVA and will be met from local authority and total power requirement during cooperation phase will be met from local authority.
- (viii) Rooftop rainwater of buildings will be collected in RWH tank of total adequate capacity for harvesting after filtration.
- (ix) It is not located within 10 km of Eco Sensitive areas of Sanjay Gandhi National Park.
- (x) There is no court case pending against the project.
- (xi) Investment/Cost of the project is Rs 2239.00 Crore.
- (xii) Employment potential: 100 – 125.
- (xiii) Benefits of the project: Employment benefit, trade in building materials, housing supply for small and medium requirements etc., improvement of existing living condition.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Terms of Reference to the project 'Proposed Expansion Slum Rehabilitation Scheme of "Shree Saibaba Nagar SRA Co-Op. Hsg. Soc. (Prop.)" at plot nos. C.S. No. 1(pt) , 2(pt) and 3(pt) and C.S. No. 1(pt) , 2(pt) and 3(pt) of Lower Parel Division G/S Ward at G.B. Sakpal Marg and Babu Kamlakant Singh Marg, Dhobighat, Satrasta, Mumbai by M/s. Omkar Realtors Projects Pvt Ltd in a plot area of 42,542.79 sqm and total built-up area of 4,17,835.01 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

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

- (i) The EIA would study the impact of dewatering and draw up an action plan for disposal of the excess water.
- (ii) The EIA would study the impact of Demolition and conformance to the Construction and Demolition Rules under the E.P. Act, 1986.
- (iii) Certified Compliance Report issued by the MoEF&CC, Regional Office or concerned Regional Office of Central Pollution Control Board or the Member Secretary of the respective State Pollution Control Board for the conditions stipulated in the earlier environmental clearance issued for the project along with an action taken report on issues which have been stated to be partially complied or non/not complied.
- (iv) The E.I.A. should also include an action taken report on the issues flagged as non compliant by the MoEFCC and the Pollution Control Board as above.
- (v) The Air Quality Index shall be calculated for base level air quality.
- (vi) A detailed report on compliance to ECBC norms.
- (vii) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

- (viii) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development Department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (ix) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (x) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (xi) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (xii) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- (xiii) The EIA should also give a compliance plan to conditions stipulated in Annexure XIV of the amended EIA Notification vide S.O. 3999 (E) dated 09.12.2016.

**26.4.13 Expansion of “DWARKA” at Gat No. 88, 90, 91, 92, 93, 94, 95, 96, 97, 113/2, 124, 125, 126(P), 127, 128/1, 128/2, 128/3, 122, 123, Village Mhalunge, Khed District Pune, Maharashtra by M/s. Naiknavare Housing Development Pvt Ltd - Amendment in ToR (IA/MH/NCP/60326/2016; F. No. 21-79/2016-IA-III)**

The project proponent and the accredited Consultant M/s ULTRA TECH gave a detailed presentation on the salient features of the project and informed that:

- (i) The name of the proposal is Residential & Commercial Development of Dwaraka (Expansion and Amendment ) by M/s Naiknavare Housing Development Pvt. Ltd. Project Details are as follows:

Completed & Under Construction as per earlier EC		
Sectors	No. of Bldgs.	No. of Flats
Sector 2A		
	32	864
	Club House 1	
Sector 3A	(Row Houses -55+Bldg.4)59	183
Sector 1A	13	496
	Club House 1	
Sector 1B	5	384
	Club House 1	
Sector 3A	School	
	Hotel	
Sector 1C	2	192
SUB TOTAL A	111	2119
Proposed Construction: for expansion & Amendment		
Sectors	No. of Bldgs.	No. of Flats

Sector 1C	8	1138
	20 shops	
	1 Club House	
Sector 1D	6	810
	36 shops	
Sector 2B	6	564
	30 shops	
Sector 2C	7	672
	1 Club House	
Sector 3A	Row Houses - 6	6
	1 Club House	
	Comm. & retails	
	Shopping Mall, shops	
	Sports Complex	
	Hostel	
SUB TOTAL-B	33	3190
TOTAL	144	5309

- (ii) This is an Expansion and Amendment Project. Earlier received EC vide letter no. SEAC-2009/CR.15/TC.2 dated 19.05.2010). Area Details are as follows:

No.	Description	Area (sqm)
1	Total Plot Area	2,44,408.04
2	Ground Coverage Area	57069.12
3	R.G. Area (on ground)	28,593.93
4	Proposed Built - up Area as per FSI	3,19,296.52
5	Proposed Built - up Area as per Non-FSI	2,03,403.48
6	Total Construction Built-up Area (FSI + Non FSI)	5,22,700.00

- (iii) Water requirement, Sewage & Solid waste generation: Total water requirement is 4246 KLD and sewage generation is 3648 KLD. Domestic water requirement will be 2645 KLD (Source MJP). Treated sewage will be used for flushing (1411 KLD) and gardening (190 KLD). Total solid waste generation is 13,030 Kg/day.
- (iv) Investment/Cost of the project: Rs.715.15 Crore.
- (v) Employment potential: It will create job opportunity for support staff like Security, Maintenance, household workers etc.
- (vi) Benefits of the project: Will create job opportunity for support staff like Security, Maintenance, household workers etc. Enhancement of the infrastructural facilities in the area.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of amendment in Terms of Reference granted to the project 'Expansion of "DWARKA" at Gat No. 88, 90, 91, 92, 93, 94, 95, 96, 97, 113/2, 124, 125, 126(P), 127, 128/1, 128/2, 128/3, 122, 123, Village Mhalunge, Khed District Pune, Maharashtra in favour of M/s Naiknavare Housing Development Pvt Ltd vide letter No. F. No. 21-79/2016-IA-III dated 17.04.2017.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006 and its subsequent



amendments, and requires appraisal at Central Level.

- (iii) Now, the Project Proponent has applied for change in the application for which ToR was granted vide letter dated 17.04.2017. The Project Proponent has removed 3291.96 sqm plot area which was earlier earmarked as a hospital. The same as per PMRDA rules is shown as an amenity plot which may be handed over to the Authority in lieu of FSI or can be developed for amenity users permitted. The deduction in constructed area considered for hospital is 7280 sqm. Now, plot area and constructed area as per revised layout is 2,44,408.04 sqm and 5,22,700 sqm.

*The Committee was given to understand that the Hospital proposed earlier is not going to be built and the land on which it was proposed is going to be handed over to some other builder. The committee agreed to recommend the necessary amendment in the TOR. The following additional terms of reference were also recommended.*

- (i) The E.I.A. should present a comprehensive analysis of alternative sites along with reasons for choosing the proposed site.
- (ii) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (iii) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent department for infrastructure development and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (iv) A plan for disposal of water from dewatering its conformity to CGWA guidelines.
- (v) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (vi) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (vii) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- (viii) The Air Quality Index shall be calculated for base level air quality.
- (ix) The EIA would study the impact of dewatering and draw up an action plan for disposal of the excess water.
- (x) The EIA would study the impact of Demolition and conformance to the Construction and Demolition Rules under the Environment Protection Act, 1986.
- (xi) The EIA should also give a compliance plan to conditions stipulated in Annexure XIV of the amended EIA Notification vide S.O. 3999 (E) dated 09.12.2016.

**26.4.14 Proposed Terminal Capacity Enhancement at Berth 5A-6A of Mormugao Port for Handling Coal And Coal Products, Iron Ore And Limestone including Unitised and Steel Products at Mormugao Port Trust, Mormugao, Goa by M/s South West Port Ltd. - Reconsideration for Environmental and CRZ Clearance (IA/GA/MIS/26758/2015; F.No. 10-5/2015-IA-III)**

The project proponent and the accredited Consultant M/s WAPCOS Limited gave a detailed presentation on the salient features of the project and informed that:

- (i) South West Port Ltd. (SWPL) operates berth 5A and 6A at the Mormugao Port Trust (MPT), Goa, one of the major ports in India. The facilities are located inside a naturally protected harbour in the confluence Zone of Zuari River with the Arabian Sea. The Terminal is operating since 2004. Over the years the unloading system at the berth, the conveying system from berth to the stockyard, from stockyard to the rake loading system has been in use for the last 13 years and is operating at a much-reduced efficiency.
- (ii) Therefore, SWPL is proposing to deploy highly mechanised and efficient environment friendly material handling systems so that the cargo handling capacity at the berth is increased consequentially, in the process reducing environmental pollution by retrofitting state of art latest dust entrapment systems to meet its demand. SWPL is handling cargos like coal, limestone and steel products at berth 5A & 6A by cranes, ship unloaders and wagon loading system.
- (iii) After modernisation, the consequential capacity enhancement shall be achieved by deploying highly mechanised and efficient environment friendly material handling system, and by enhancing the existing conveyor speed, and improving the rake loading turnaround time through operational efficiency, thus, making the evacuation and despatch more efficient. Consequentially the total cargo to be handled is expected to go up to 12 to 13 MTPA of bulk (consisting of coal, iron ore, lime stone, dolomite, bauxite, mineral ores and other miscellaneous cargo), and about 2 MTPA of unitised cargo (consisting of steel bars, coils, flats and plates, and other steel products). The total cargo handling capacity hence is expected to increase to about 14 to 15 MTPA.
- (iv) The Terminal modernization by deploying efficient material handling systems like Grab Ship Unloader (GSU), Stacker-cum-Reclaimer (ScR), Closed/Pipe Conveyor, In-motion Wagon Loading System, Silos, Wagon Loader and Gantry Cranes, covered shed for coal, steel sheds would lead to consequential increase in terminal efficiency. With better utilization of existing resources and overall net reduction in the pollution level due to retrofitting material handling systems with latest dust entrapment systems and barriers, there will be an increase in capacity of the terminal, without change in the stockyard area and waterfront area.
- (v) The site is connected by road and railway. The nearest railway station is Vasco which is about 4 km on the southern railways, and Madgaon is about 35 km on the Konkan railways. The nearest airport is Dabolim at about 6 km.
- (vi) The proposal was granted ToR vide MoEFCC letter dated 19.06.2015 for preparation of draft EIA report, and to conduct Public Hearing (PH) prior the Environmental Clearance (EC).
- (vii) The draft EIA report is prepared and submitted to GSPCB for conducting PH, and the PH is completed successfully as per the EIA Notification, 2006 (amended) on 26.04.2017.
- (viii) CRZ recommendation is granted by Goa Coastal Zone Management Authority (GCZMA) vide its letter No. GCZMA/S/17-18/19/899 dated 18.08.2017.
- (ix) Investment/Cost of the project Approx. 300 Crores

- (x) Employment potential: The expansion project is expected to generate employment opportunity.
- (xi) Benefits of the project: The overall pollution level from the project will be reduced. Due to intensification in port area usage, more traffic will be possible from the same berth and backup infrastructure leading to better throughput of SWPL and of MPT, there will be increase in efficiency of cargo handling. Local people will be benefited through company's CSR activities. The project will generate primary, secondary and tertiary employment. MPT will be benefited by means of increase in revenue from SWPL.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of Environmental and CRZ Clearance to the project 'Proposed Terminal Capacity Enhancement at Berth 5A-6A of Mormugao Port for Handling Coal And Coal Products, Iron Ore And Limestone including Unitised and Steel Products at Mormugao Port Trust, Mormugao, Goa by M/s South West Port Ltd.
- (ii) The project/activity is covered under category 'A' of item 7 (e) i.e. Ports, harbours, break waters, dredging' of the schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central level.
- (iii) Terms of Reference (ToR) was granted by MoEFCC vide F.No.10-5/2015-IA.III dated 19.06.2015.
- (iv) Goa Coastal Zone Management Authority (GCZMA) has recommended the proposal vide its letter No. GCZMA/S/17-18/19/899 dated 18.08.2017.
- (v) Goa State Pollution Control Board (GSPCB) has conducted the Public hearing for the Project proposal on 26.04.2017.
- (vi) The proposal was earlier considered in the 21<sup>st</sup> Meeting of Expert Appraisal Committee (Infra-2) held during 21-24 August, 2017 and 24<sup>th</sup> meeting of Expert Appraisal Committee (Infra-2) held during 30-31 October, 2017. The Committee sought some additional information.
- (vii) The Project Proponent has submitted the additional information vide letter dated 21.09.2017 and 13.11.2017.

*The Committee deliberated upon the information provided by the Project proponent. The Committee noted that the Project proponent has taken various steps toward air pollution control measures which vehemently control the particulates emissions in the terminal at the present scenario. Some of which are as follows:*

- (i) Coal cargo with 10% moisture content is handled using locking grab buckets resulting in near zero emissions.
- (ii) The receiving hopper is provided with plenum water fogging ring obviating any dust emissions.
- (iii) Cargo is transported to the stacking area through the closed conveyer belt equipped with water sprinklers intermittently.
- (iv) Transfer towers also equipped with water sprinkling through aquadyne system.
- (v) Coal cargo is stacked all round the year with tarpaulin cover.
- (vi) Coal cargo is under continuous water sprinkling during its stacking and reclaiming to control the fugitive emission.

*The EAC, on being satisfied with the submissions of the project proponent in response*

*to its observations, recommended the project for grant of environmental and CRZ clearance and stipulated the following specific conditions along with other environmental conditions while considering for accord of environmental and CRZ clearance:*

- (i) Construction activity shall be carried out strictly according to the provisions of the CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
- (ii) All the recommendations and conditions specified by the Goa Coastal Zone Management Authority vide letter No. GCZMA/S/17-18/19/899 dated 18.08.2017 shall be complied with.
- (iii) The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.
- (iv) Dredging shall not be carried out during the fish breeding season.
- (v) Dredging, etc shall be carried out in the confined manner to reduce the impacts on marine environment.
- (vi) Dredged material shall be disposed safely in the designated areas.
- (vii) Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring report.
- (viii) The ground water shall not be tapped within the CRZ areas by the PP to meet with the water requirement in any case.
- (ix) While carrying out dredging, an independent monitoring shall be carried out by Government Agency/Institute to check the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.
- (x) Mitigative measures as given in the Marine Diversity Conservation Management Plan prepared by Centre for Advanced Studies in Marine Biology (CASMB), Annamalai University for protection of marine life, atmospheric environment and to promote turtle nesting shall be complied with in letter and spirit.
- (xi) A copy of the Marine and riparian biodiversity management plan duly validated by the State Biodiversity Board shall be submitted before commencement of implementation.
- (xii) A continuous monitoring programme covering all the seasons on various aspects of the coastal environs need to be undertaken by a competent organisation available in the State or by entrusting to the National Institutes/renowned Universities with rich experiences in marine science aspects. The monitoring should cover various physico-chemical parameters coupled with biological indices such as microbes, plankton, benthos and fishes on a periodic basis during construction and operation phase of the project. Any deviations in the parameters shall be given adequate care with suitable measures to conserve the marine environment and its resources.
- (xiii) Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components as part of the management plan. Marine ecology shall be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity.
- (xiv) The project proponents would also draw up and implement a management plan for the prevention of fires due to handling of coal.
- (xv) Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life, particularly benthos. This shall be prevented

	<p>by suitable precautions and also by providing necessary mechanisms to trap the spillage.</p> <p>(xvi) Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.</p> <p>(xvii) All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.</p> <p>(xviii) Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.</p> <p>(xix) Necessary arrangement for general safety and occupational health of people should be done in letter and spirit.</p> <p>(xx) The commitments made during the Public Hearing and recorded in the Minutes shall be complied with letter and spirit. A hard copy of the action taken shall be submitted to the Ministry.</p> <p>(xxi) 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 the RO, MoEF&amp;CC along with half yearly compliance report.</p>
<p>26.4.15</p>	<p><b>“Puranik Megatowns” at Village Pimploli and Village Talwade, Taluka Karjat, Dist Raigad, Maharashtra by M/S Puranik Megatowns - Reconsideration for Environmental Clearance ( IA/MH/NCP/69614/2015; F.No. 21-328/2017-IA-III)</b></p> <p>The project proponent and the accredited Consultant M/s ULTRA-TECH gave a detailed presentation on the salient features of the project and informed that:</p> <p>(i) The project is located at latitudes of 19°02'33.96"N and longitudes of 73°21'30.91"E</p> <p>(ii) This is a Mixed Use Development. The plot area is 5,17,230.00 sqm, FSI area is 4,53,759.07 sqm and total construction area of 5,65,974.11 sqm. The project will comprise of 252 Building (having 7 Phases). Total Flats: 8703 Nos. shall be developed along with development of amenities like Primary Health Care, School, Police Station, Office Building, Community and Prayer Hall. Maximum height of the building up to terrace level is 23.65 mt.</p> <p>(iii) During construction phase, total water requirement is expected to be 23 KLD for workers and 15-216 KLD for construction activity which will be met by tanker water of potable quality and tanker respectively. During construction phase for fulfilling the construction water requirement of initial phase (Phase -1) proponents are planning to use water tankers. After commissioning STPs of Phase -1, the excess treated sewage from Phase-1 shall be used for the construction activity of the subsequent phases. Temporary sanitary toilets will be provided during peak labor force.</p> <p>(iv) During operational phase, total water demand of the project is expected to be 6373 KLD and the same will be met by the 2261 KLD recycled water, 4105 KLD fresh water from Irrigation Department, Karjat Division and 7 KLD fresh water from tanker water of potable quality. Wastewater generated (5397 KLD) will be treated in 22 STPs of total capacity 5480 KL. 2261 KLD of treated wastewater will be recycled (2113 KLD for flushing and 148 KLD for gardening). About 2598 KLD of stored excess treated sewage from the whole project will be used for construction activity and watering nearby forest land.</p> <p>(v) About 20.38 TPD solid wastes will be generated in the project. The biodegradable waste (8.15 TPD) will be treated by Biogas Plant and the non-biodegradable waste generated</p>

(12.23 TPD) will be handed over to Grampanchayat, Pimploli.

- (vi) The total power requirement during construction phase is 100 kVA and will be met from Maharashtra State Electricity Distribution Company Ltd. (MSEDCL). Total power requirement during operation phase is 23679 KW and will be met from Maharashtra State Electricity Distribution Company Ltd. (MSEDCL).
- (vii) Rooftop rainwater of buildings will be collected in 21 RWH tanks of total capacity 2172 KL for harvesting after filtration.
- (viii) Parking facility for 1264 four wheelers, 11180 two wheelers and 11180 cycles are proposed to be provided against the requirement of 1256 four wheelers, 11165 two wheelers and 11165 cycles parking respectively. (according to local norms)
- (ix) Proposed energy saving measures would save about 24% of power.
- (x) It is located within 10 km of Eco Sensitive areas. Project site is located at Pimploli and Talwade village which is not listed under ESA as per list of villages prepared by High Level Working Group (HL WG) given in Annexure-A of the directions by Ministry of Environment and Forests (MoEFCC) dated 13.11.2013 and also not listed under ESA of Matheran as per notification dated 04.02.2003 and amended notification dated 16.04.2004.
- (xi) There is no court case pending against the project.
- (xii) Investment/ Cost of the project is Rs. 1050 Crores.
- (xiii) Employment Potential: The construction of project is in 7 phases and would require 300 skilled and unskilled labour in each phase. In all the 7 phases about a total of 2100 workers would benefit from project the employment opportunities. There would be about 150 shops which could provide livelihood opportunity to 450 persons after completion. The total commercial space in the project would need a staff of about 2565 persons.
- (xiv) Benefits of the project: This is a mixed use development project, ensuring easy accessibility and high quality of amenities for residents/ employees.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of environmental clearance to the project "Puranik Megatowns" at Village Pimploli and Village Talwade, Taluka Karjat, Dist Raigad, Maharashtra by M/S Puranik Megatowns in a total plot area of 5,17,230.00 sqm and built-up of 5,65,974.11 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006, and requires appraisal at central level by the sectoral EAC in the Ministry.
- (iii) The project was granted ToR by SEAC, Maharashtra in its 34<sup>th</sup> meeting held during 20-23 July, 2015.

*The committee observed that the project will be implemented in about more than 15 years. The Committee suggested that it would be considering the parts of the project which are to be implemented in the next 10 years and therefore this should be clearly spelt out. After deliberation on the proposal, the Project Proponent was asked to submit the following documents/certificates:*

- (i) Submit revised Form-1/1-A .
- (ii) The Air Quality Index shall be calculated for base level air quality.

- (iii) A detailed report on compliance to ECBC norms.
- (iv) A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (v) A detailed traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D. and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (vi) The permission of the CGWA for abstraction of ground water and for basement/excavation dewatering.
- (vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
- (viii) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point.
- (ix) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.

*The proposal was, therefore, deferred till the desired information is submitted.*

**26.4.16 Proposed Master Plan development for Infopark Phase-2 (IT/ITES SEZ township) project at Infopark Phase-2 Campus by M/s Infoparks Kerala - Reconsideration for Environmental Clearance (IA/KL/NCP/63483/2016; F. No. 21-182/2017-IA-III)**

The project proponent and the accredited Consultant M/s Environmental Engineers & Consultants Pvt. Ltd. gave a detailed presentation on the salient features of the project and informed that:

- (i) The project is located at 10°00'37.39"N Latitude and 76°22'32.21"E Longitude.
- (ii) The project is Expansion of IT/ITES SEZ township (Infopark Phase-2 Campus) (Master Plan development) project. There are three IT/ITES services plots which are located within the proposed Infopark Phase-2 campus have already obtained Environment Clearance. Based on the Environment Clearance, construction work of two buildings were completed and occupied. Construction work for the third building is in progress.
- (iii) The total plot area is 50.81651 ha. FSI area is as per local bye-laws and total construction area of 12,79,594 sqm. The project will comprise of IT/ITES building along with other Buildings. Total N.A. flats shall be developed. Maximum height of the building is as per permissible under local bye-laws.
- (iv) During construction phase, total water demand of the project is expected to be 105 KLD which will be met by KEPIP supply & Stored rain water. During the construction phase, portable toilets with mobile STP 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 5.94 MLD and the same will be met by the KEPIP supply & stored rain water. Wastewater generated (4.752 MLD) will be treated in STP of total 5.7 MLD capacity. 4.30 MLD of treated wastewater will be recycled (3.724 MLD for flushing, 0.2 MLD for gardening and excess to use as make-up water for cooling purposes). About Nil KLD will be disposed in to municipal drain.
- (vi) About 22.97 tons/day solid waste will be generated in the project. The biodegradable waste (13.782 tons/day [60%]) will be processed OWC/Biog-gas plant/Bio-bin system and the non-biodegradable waste generated (9.188 tons/day [40%]) will be handed over to authorized local vendor.
- (vii) The total power requirement during construction phase is about 1 MVA and will be met from Kerala State Electricity Board & 62.5 kVA x D.G. Sets and total power requirement during operation phase is 60 MVA and will be met from Kerala State Electricity Board & D.G. Set (1,000 kVA X 4 nos. as back-up for common area services)
- (viii) Rooftop rainwater of buildings will be collected in RCC RWH tanks / ponds as per required capacity for harvesting after filtration.
- (ix) Parking facility for as per norms is proposed to be provided against the requirement of local norms respectively (according to local norms).
- (x) Proposed energy saving measures would save about 22% of power.
- (xi) It not located within 10 km. of Eco Sensitive areas.
- (xii) There is land acquisition related court case pending against the project.
- (xiii) Investment / Cost of the project is Rs. 350 Crores.
- (xiv) Employment potential. About 1,15,000 persons during operation phase and about 1,500 persons during construction phase.
- (xv) Benefits of the project. IT/ITES project will provide direct and indirect jobs to the locals with improvement in infrastructure facilities with other ancillary developments in the vicinity.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for grant of environmental clearance to the project 'Proposed Master Plan development for Infopark Phase-2 (IT/ITES SEZ township) project at Infopark Phase-2 Campus by M/s Infoparks Kerala in a total plot area of 50.81651 ha and total construction (built-up) area of 12,79,594 sqm.
- (ii) The project/activity is covered under category 'A' of item 8(b) 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006, and requires appraisal at Central Level.
- (iii) ToR for the project was prescribed by SEAC, Kerala vide dated 27.10.2016.
- (iv) The EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components.
- (v) The Proposal was earlier considered in 19<sup>th</sup> meeting of EAC held on 29-30 June, 2017, wherein the Committee sought additional information.
- (vi) The Project Proponent submitted/uploaded the additional information on 25.11.2017 on Ministry's website.

*The EAC deliberated on the Certified Compliance Report letter F. No. EP/12.1/2011-*



12/19/KER dated Nil (site visit date 07.08.2017) issued by the MoEF&CC's Regional Office (SZ), Bangalore. The Committee noted that the compliance of the EC condition was inter-alia found satisfactory. The EAC, on being satisfied with the submissions of the project proponent, recommended the project for grant of environmental clearance and stipulated the following specific conditions along with other environmental conditions while considering for accord of environmental clearance:

**SPECIFIC CONDITIONS:**

- (i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- (ii) Sewage shall be treated in the STP with tertiary treatment i.e. Ultra Filtration. The treated effluent from STP shall be recycled/re-used for flushing, horticulture and make up water for HVAC cooling system. As proposed, no treated water shall be discharged into Municipal sewer line.
- (iii) The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits shall be provided as per CGWB guidelines.
- (iv) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. Adequate space shall be provided for OWC. The inert waste generated from the project will be sent to dumping site.
- (v) Traffic management plan as submitted shall be implemented in letter and spirit. Apart from the traffic impact assessment study as submitted, an assessment of the cumulative impact of all activities being carried out or proposed to be carried out by the project or otherwise, shall be made for traffic densities and parking capabilities in a 05 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organisation of repute and specialising in Transport Planning shall be implemented to the satisfaction of the State Urban Development and Transport Departments shall also include the consent of all the concerned implementing agencies.
- (vi) Fresh water requirement from KEPIP shall not exceed 3.252 MLD.
- (vii) A certified report on the sources and availability of water from the local body supplying water along with the permission received by them for the same shall be submitted. This report shall specify the total annual water availability with the organization (local body), the quantity of water already committed to other development projects, the quantity of water committed for this project and the balance water available for distribution. This should be specified separately for ground water and surface water sources and ensure that there is no impact on other users.
- (viii) A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of 3 trees for every 1 tree that is cut) shall be done and maintained. Adequate area shall be provided for green area development.
- (ix) An environmental management plan (EMP) as prepared and submitted along with EIA Report shall be implemented to ensure compliance with the environmental conditions

	<p>specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.</p> <p>(x) The company shall draw up and implement a corporate social Responsibility plan as per the Company's Act of 2013.</p> <p>(xi) Project Proponent should comply with conditions stipulated at Appendix - XIV of the amended EIA Notification vide S.O. 3999(E) dated 09.12.2016.</p>
<p>26.4.17</p>	<p><b>Construction of Fifth Oil Berth at Jawahar Dweep, Mumbai by M/s Mumbai Port Trust – Reconsideration for Amendment in Environmental and CRZ Clearance (IA/MH/MIS/26552/2015; F. No. 10-4/2015-IA-III)</b></p> <p>The project proponent gave a detailed presentation on the salient features of the project and informed that:</p> <p>(i) The Environment Clearance for the subject project has been granted by the MOEF&amp;CC vide letter No.F.No.10-4/2015-IA.III dated 25.05.2016. As a part of the subject project, Mumbai Port had proposed reclamation of 13 Ha adjoining the Jawahar Dweep. The area of the proposed reclamation is a reef (rocky strata at a higher level and in the intertidal zone) and there is no environmental degradation. The CWPRS and the EIA consultants M/s. L&amp; T Infrastructure Ltd. had conducted the study and concluded that the reclamation of the reef will have not detrimental effect.</p> <p>(ii) The reclamation proposal was examined by the Expert Committee of MCZMA in the 109<sup>th</sup> Meeting of MCZMA held on 19.12.2015. During the discussions, the committee felt that the reclamation will not be allowed and the tankages can be built on stilt with piles. The relevant para (v) of the Specific condition of the letter dated 5.2.2016 is reproduced as under :</p> <p style="padding-left: 40px;"><i>“MbPT to ensure that no reclamation at Jawahar Dweep for tank farms is carried out.”</i></p> <p>(iii) The MOEF while considering the proposal also accepted the recommendation of the MCZMA and directed that the tankages will be set up on piled and deck structure. In other words, the reclamation proposed for setting up of tankages was not allowed.</p> <p>(iv) Incidentally, JNPT will be deepening the existing approach channel which would involve soil and rock dredging. The rock quantity is to the extent of about 1.7 million cum and the same is proposed to be dumped in the deep sea, which can be effectively used for the filling purpose.</p> <p>(v) Now, due to availability of the dredged rock material of the JNPT Capital dredging which would otherwise have been dumped in deep sea, MbPT seeks an amendment in the Environmental/CRZ clearance to permit reclamation for setting up a tank farm on the reclaimed area. Thus, the proposal of MbPT for utilizing the dredged rock material is environmental friendly.</p> <p>(vi) Based on the clauses of the CRZ Notification as stated below, MbPT is of the opinion that reclamation for the purpose of setting up tank farm can be permitted in CRZ area. As such, MbPT is requesting MCZMA to reconsider MbPT's proposal for permitting a tank farm over reclaimed area.</p>

- (vii) Based on the combined provisions of above mentioned clauses, MbPT is of the Opinion that the reclamation for the purpose of setting up a tank farm can be allowed.
- (viii) A request to reconsider the reclamation proposal was examined by the MCZMA in the meeting held on 28.07.2017. The proposal for amendment in the clearance and permit to carry out reclamation for purpose of setting up a tank farm on the reclaimed area was accepted by MCZMA and the recommendation was forwarded to the MOEF&CC.
- (ix) MOEF&CC is requested to amend Clause No. xix of the specific conditions stipulated in the Environment Clearance letter issued by the MOEF vide letter No. F.No.10-4/2015-IA.III dated 25.05.2016. It is also requested that JNPT should also be permitted to dredge the rock at the proposed location instead of dumping at the deep sea in the designated dumping ground – DS3.

*During deliberations, the EAC noted the following:-*

- (i) The proposal is for Amendment in Environmental and CRZ Clearance issued to the project 'Construction of Fifth Oil Berth at Jawahr Dweep, Mumbai by M/s Mumbai Port Trust.
- (ii) The project/activity is covered under category 'A' of item 7 (e) i.e. Ports, harbours, break waters, dredging' of the schedule to the EIA Notification, 2006 and requires appraisal at Central level.
- (iii) Environmental and CRZ Clearance was issued to the project vide letter No. 10-4/2015-IA.III dated 25.05.2016.
- (iv) The proposal was considered in 24<sup>th</sup> meeting of EAC (Infra-2) held on 30-31 October, 2017 wherein the EAC sought some additional information.
- (v) The Project Proponent submitted/uploaded the additional information on 22.11.2017 on Ministry's website vide letter dated 21.11.2017.

*The EAC after detailed deliberation on the proposal and submission of the Project Proponent recommended for amendment in specific condition No. xix stipulated in EC&CRZ letter issued to the project vide letter No. F.No.10-4/2015-IA.III dated 25.05.2016 and permitted JNPT for reclamation for setting up a tank farm on the reclaimed area. The following conditions were also recommended:*

- (i) Copy of the Marine and riparian biodiversity Management Plan as carried out by NIO Goa duly validated by the State Biodiversity Board shall be submitted before commencement of implementation.
- (ii) The traffic management and traffic decongestion plan to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project should be submitted along with consent of all participating departments before initiating implementation.
- (iii) The issues raised in the public hearing and through other complaints should be suitably addressed to and an action plan drawn for redressal. This action plan should be monitored as part of the certified compliance monitoring mechanism.

## 26.5 Any other item with the permission of Chair.

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**LIST OF PARTICIPANTS OF EAC (INFRASTRUCTURE-2) IN 26<sup>th</sup> MEETING OF EAC (INFRASTRUCTURE-2) HELD ON 14-15 DECEMBER, 2017**

S. No.	Name	Designation	Attendance		Signature
1.	Prof. T. Haque	Chairman	P	P	
2.	Shri K. Gowarappan	Member	P	P	
3.	Dr. Yashpal Singh	Member	P	P	
4.	Dr. S.K. Bhargava	Member	A	A	
5.	Dr. Ayi Vaman N. Acharya	Member	A	A	
6.	Dr. Chandrahas Deshpande	Member	A	A	
7.	Shri A. P. Singh	Member	P	P	
8.	Ms. Mili Majumdar	Member	A	A	
9.	Prof. Dr. Sanjay Gupta	Member	P	A	
10.	Shri Kushal Vashist	Director & Member Secretary	P	P	