

MINUTES OF 56th MEETING OF EXPERT APPRAISAL COMMITTEE (INFRASTRUCTURE-2) HELD DURING 21-23 OCTOBER, 2020.

VENUE: Through Video Conferencing

DATE: 21-23 October, 2020

DAY 1- Wednesday, 21st October, 2020

56.1 Opening Remarks of the Chairman: The Chairman extended welcome to members and other participants and requested to start the proceeding as per the agenda adopted for this meeting.

56.2 Confirmation of the Minutes of 55th Meeting of the EAC (Infra-2) held on 24-25 September, 2020.

There were no comments and the minutes of 55th Meeting of the EAC (Infra-2) held on 24-25 September, 2020 were confirmed.

56.3 Consideration of Proposals: The EAC considered proposals as per agenda adopted for the meeting. The details of deliberations held and decisions taken in the meeting are as under.

Agenda item No. 56.3.1.

Holistic Development of Surat Airport Including Extension of Terminal Building, Apron and Construction of Parallel Taxi Track" at Surat International Airport by M/s Airport Authority of India - Environmental Clearance

(IA/GJ/MIS/178386/2006; F.No.10-16/2019-1A-III)

The Project Proponent (PP) along with his accredited consultant M/s Gaurang Environmental Solutions Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The proposed project is "Holistic Development of Surat Airport including extension of Terminal Building, Apron and construction of Parallel Taxi Track (Expansion project) at Surat Airport (Gujarat). ARP coordinates of the proposed expansion projects are Latitude- 21°06'57.78" N & Longitude- 72°44'30.57" E. The project site is located at Surat Airport, Magdalla-Dumas road, Tehsil-Surat City, District-Surat (Gujarat). Site is located close to Surat City and well connected with S.H. 168 & N.H. 6. Surat Railway Station is at 14.0 km towards NE from project site.
- (ii) Project/ activity is covered under item 7(a) 'Airports' of Schedule to the EIA Notification, 2006 as Category- A project.
- (iii) This is an Expansion project having total plot area of 784.37 acre (airport) including the total plot area for extension of terminal building i.e. 1, 06,770 sqm (total built-up area: 26,250 sqm). The existing land use of the site is Airport. The entire land has been handed over to the Airports Authority of India by the Government of Gujarat for Surat Airport.
- (iv) The proposed expansion of the airport including extension of Terminal Building will cater passenger air traffic along with strengthening infrastructure by expansion of Aprons and construction of Parallel Taxi Track, Sewage treatment plant at Surat Airport.
- (v) The facilities in the existing airport include passenger, cargo terminal building, runway, taxiways and aprons system, airfield lighting system, air traffic control tower, NAVAIDs, airport support facilities, utilities and infrastructure including roads, staff

accommodation, car parking, power supply system, storm water drainage system, and aircraft support facilities like refuelling, repairs and overhaul, ground support, and catering etc.

- (vi) During operation phase, total water requirement is 807 KLD out of which freshwater requirement is 301 KLD and rest 461 KLD will be met through recycled water from in-house STP & 45 KLD from SMC STP treated water. Fresh water will be met through Surat Municipal Corporation (SMC), Surat supply. No groundwater will be abstracted.
- (vii) It is estimated that wastewater generation is 488 KLD which will be treated in proposed in-house STP (based on MBBR Technology) of 500 KLD till Ultra-filtration (UF) treatment. 461 KLD of treated water from STP will be completely reused within the premises for purposes like flushing, landscaping & HVAC Cooling. The proposed expansion project will be a Zero-effluent Discharge Unit.
- (viii) It is estimated that 1414 kg/day of municipal waste will be generated at airport. Proper municipal solid waste collection, management, treatment and disposal system shall be followed for management of solid waste. Municipal waste shall be segregated at source into compostable waste, recyclable waste and inert waste by provision of three colour bins. A waste storage room for municipal waste has been provided at site. The waste is collected by SMC, Surat, twice a day for final disposal.
- (ix) 4045 KW of power will be required during operation phase (Existing 2000 kW + Proposed: 2025 kW) which will be sourced through Dakshin Gujarat Vij Company Limited. Power backup will be provided by DG sets (Proposed: 2x2500 KVA, 2x500 and 1x1000 KVA, Existing: 3x250 KVA) which will operate during power failure only.
- (x) To minimize the electrical load requirement of the project, entire electrical system will be designed as per ECBC and GRIHA. 250 KW Solar PV Plant is proposed at Surat Airport. ISO 50001- Energy Management System shall be in place, energy conservation, energy efficiency will be considered as a part of resources conservation & resource optimizations.
- (xi) As per studies of design of the proposed expansion, the total airport area has been considered for rainwater harvesting including rooftop, open, paved/road and landscaped area. The total volume of harvested water per year works out 1035440.5 m³/annum and the same is proposed to be utilized for recharging ground by providing 45 rain water harvesting structures. It is also proposed to install Rainwater storage tanks. The stored water will be used in landscaping & Green belt development proposed along the boundary wall throughout the year.
- (xii) A vehicle parking area to accommodate 500 four wheelers & 200 two wheelers is proposed to be provided within the airport premises (existing: 250 four wheelers).
- (xiii) Airport has valid consolidated consent & authorization granted by GPCB vide order no. AWH-105381 dated 26.11.2019 valid upto 30.09.2024. Environmental Clearance for the existing airport has been obtained from MoEF&CC, New Delhi Vide Letter No. 10-15/2007-IA.III dated 16.05.2007. Certified report on compliance of EC has been obtained from R.O. MoEF&CC, Bhopal MoEF&CC vide letter no. F.No. 8-10/2007(Env)/635 dated 18.06.2020 and action taken report submitted in this regard by Airports Authority of India, Surat Airport.
- (xiv) Project Site is not located in Critically Polluted Area.
- (xv) Terms of Reference was accorded by MoEF&CC vide letter vide letter No. F.No. 10-16/2019-IA-III dated 28.06.2019. The project was granted amendment in the said ToR vide letter dated 19.03.2020 w.r.t the fact that the Surat Airport had obtained prior Environmental Clearance vide letter no. 10-15/2007-IA.III dated 16.05.2007 from MoEF&CC, New Delhi, and that the project doesn't require clearance from NBWL as

there is no wildlife sanctuary, national park, biosphere reserve etc. in 10 km radius study area.

- (xvi) Public Hearing for the expansion project was conducted on 07.01.2020 by the Gujarat State Pollution Control Board (GPCB) in coordination with the District Administration, Surat. The public hearing was conducted at the existing Airport site.
- (xvii) The baseline studies have been carried out during March to May, 2019, Pre-Monsoon season. The air quality, ground water, soil noise monitoring was done at 08 locations in the study area, and surface water monitoring done at 02 locations in the study area. The ambient air monitoring results are compared with the standards prescribed by Central Pollution Control Board (CPCB) for rural, residential Industrial and other area. The observation based on the perusal of the results is summarized as **PM₁₀**:- The maximum & minimum value i.e. 128.10 µg/m³ and 76.80 µg/m³ for PM₁₀ are observed at A7-Surat & A8-Hazria. **PM_{2.5}**:- The maximum value of 58.4 µg/m³ for PM_{2.5} was observed at A7-Surat and minimum value of 35.9 µg/m³ for PM_{2.5} at A8-Hazira. **SO₂**:- The maximum value for SO₂ observed at A1-Gaviar (Near Project boundary) is 17.5 µg/m³ and minimum value for SO₂ at observed at A8-Hazira is 8.7 µg/m³. **NO_x**: - The maximum value for NO_x observed at A7- Surat is 35.6 µg/m³ and minimum value for NO_x at A8-Hazira is 18.5 µg/m³. **CO**: - The maximum value for CO observed at A2-Dumas is 1530 µg/m³ and minimum value for CO at A8-Hazira is 830 µg/m³. The one hour applicable limit for Industrial, residential a rural and other area is 4000 µg/m³. The AQI of the study area is found to be 119 and is classified as Moderately Polluted as per CPCB. The results of the monitored data indicate that the ambient air quality at A1, A2 & A7 is exceeding the norms of National Ambient Air Quality standards of CPCB w.r.t PM₁₀.
- (xviii) The predicted noise levels based on the above analysis at the project boundary and surrounding areas considering that there is no attenuation on account of barriers, will be as follows:

S. No	Location	L eq (Day) in Decibels		
		Baseline	Incremental	Cumulative
1	Abhawa	53	40.4	53.3
2	Habitation	54.1	41.2	54.3
3	Dumas	56.4	35.4	56.4
4	Project (Boundary)	68.7	55.1	68.9
5	Vasu	54.8	29.1	54.8
6	Bhatpur	58.4	16.1	58.4

- (xix) Landscaping has been planned to be developed along the airside, landside, roads and parking area as per Guidelines on Landscaping and Tree Plantation (IRC: SP-21- 2009). Development of landscape area is bifurcated in six areas as follows Grass lawn in Airside, Landside greenbelt around Parking Spaces, Landside garden & lawn, Avenue trees along roads in landside area, Building setbacks and greenbelt around the airport boundary.
- (xx) NBWL Clearance is not required.
- (xxi) Forest Clearance is not required.
- (xxii) No Court case is pending against the project.
- (xxiii) Expected timeline for completion of the project 12 months from date of obtaining all statutory clearances from regulatory authorities.
- (xxiv) Cost of the Project is Rs. 353.25 Crore.
- (xxv) Employment Potential: 250 (Operation Phase) + 200(Construction Phase).

(xxvi) Benefits of the project: The project will boost economic growth benefiting the whole region through the generation of both direct and indirect economic value. The construction and operation of airport will generate direct employment opportunity, indirectly contributed jobs through supply chain, enhance induced impact through tourism. The project will also lead to development in the nearby areas through proposed CER activities.

The EAC noted that the project/activity is covered under category 'A' of item 7 (a) i.e. 'Airports' of the schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central level by sectoral EAC.

Public Hearing for the expansion project was conducted on 07.01.2020 by the Gujarat State Pollution Control Board (GPCB) in coordination with the District Administration, Surat at the existing Airport site. Major issues raised included plantation in Buffer area, Mangrove conservation, Employment, Solid waste management, Awareness on Road Traffic Management and Accidents on Roads & Land. The Committee noted that issues raised during Public hearing have been addressed by the PP satisfactorily and incorporated in the final EIA-EMP report.

The EAC also deliberated on the certified compliance report provided by the MoEF&CC's Regional Office (WZ), Bhopal vide letter No. 8-10/2007(ENV)/635 dated 08.09.2020. As per Compliance report, out of 30 conditions, 13 are complied, 5 are partly complied, 2 are deemed complied, 6 are not complied and 4 are noted. In the major non-compliances, the project proponent has not installed Sewage Treatment Plant, provisions for rain water harvesting, no permission for using fresh water, not set up the laboratory and Environmental management Cell etc. PP needs to take necessary and time bound action in respect of compliance to the relevant conditions. The Committee opined that Ministry shall take action or issue show cause on non-compliance points of existing EC to PP separately.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended the project for grant of environmental clearance for the Phase-II expansion of the existing airport and stipulated the following specific conditions along with other Standard EC Conditions as specified by the Ministry vide OM dated 04.01.2019 for the said project/activity (specified at **Annexure-1** of the minutes), while considering for accord of environmental clearance:*

- (i) Clearance from Directorate General of Civil Aviation (DGCA) and Airports Authority of India (AAI) for safety and project facilities shall be obtained.
- (ii) 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.
- (iii) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities shall be complied with.
- (iv) Total water requirement is estimated as 807 KLD, while fresh water requirement will be 301 KLD. Water requirement will be met through SMC Supply. As proposed, no ground water shall be used in the project.
- (v) Aircraft maintenance, sensitivity of the location where activities are undertaken, and control of runoff of potential contaminants, chemicals etc shall be properly implemented and reported.
- (vi) Waste water generated from the Airport will be treated in latest technology based Sewage Treatment Plant of 500 KLD capacity. Treated waste water will be used for landscaping, flushing, HVAC and DG cooling. There will be zero discharge of treated waste water from airport.

- (vii) During construction and operational phase AAQ monitoring should include PM₁₀, PM_{2.5}, SO₂, NO_x, NH₃, CO, CH₄ and Benzene.
- (viii) During airport operation period, noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations. A monitoring station for ambient air and noise levels shall be provided in the village nearest to the airport.
- (ix) Traffic Management Plan as submitted shall be implemented in letter and spirit. Apart, 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. 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.
- (x) An onsite disaster management plan shall be drawn up to account for risks and accidents. This onsite plan shall be dovetailed with the onsite management plan for the district.
- (xi) As proposed, 8 no. of trees shall be cut with prior permission from concerned Department. The landscape planning should include plantation of native species. The plantation species should be carefully chosen to avoid bird nesting and to improve pollution control and noise control measures. Water intensive and/or invasive species should not be used for landscaping. As proposed, 27,48,406.77 sqm area shall be provided for landscaping and open area.

Agenda item No. 56.3.2.

Construction of Residential Complex with built-up area of 33,606.34 sqm at Kasturba Gandhi Marg, New Delhi by M/s Ministry of External Affairs - Environmental Clearance (IA/DL/MIS/172707/2020; F.No. 21-55/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Amaltas Enviro Industrial Consultants made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at Kasturba Gandhi Marg, Residential Complex, New Delhi. Site co-ordinates of the project site is 28°37'16.95"N 77°13'31.57"E.
- (ii) The project is new. The total plot area is 11,023 sqm (2.72 Acres); Total FSI area is 21,712.85 sqm; and total construction (Built-up) area of 33,606.34 sqm. Maximum height of the Residential building is 37.650 metre (mumty). The project components will be Residential Building- (98 DU)- [Block-A, Block- B].
- (iii) During construction phase, total water requirement is expected to be 928ML. which will be met by treated water from DJB 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 approx. 84 KLD and the same will be met by 46 KLD fresh water from Delhi Jal Board and 38 KLD recycled water. The domestic wastewater generation will be 48 KLD will be

treated through sewage treatment plant of capacity 50 KLD. The treated sewage will be reused for flushing (14KLD), greenbelt development (7KLD), DG cooling (4KLD) and For HVAC Cooling (13KLD) and makeup fresh water would be needed for HVAC Cooling (14 KLD). Surplus treated water generate at site shall be reused within the premises.

- (v) About 0.261 TPD solid wastes will be generated in the project. The biodegradable waste (0.156 TPD) will be processed in OWC and the non-biodegradable waste generated (0.078 TPD) will be handed over to authorized local vendor.
- (vi) Maximum Electrical load requirement is 1,459 KW & Transformer Selection-2 * 800 kVA 11/0.433KV. Dry type Transformer with Off Load Tap Changer on HV side. To meet the load, the HT supply will be received at 11 kV from the BSES. Backup power supply DG sets will be 2*400kVA.
- (vii) Roof top rainwater of buildings will be collected in 3Rainwater harvesting storage pits after filtration.
- (viii) Parking facility for 252 ECS is proposed to be provided against the requirement of 250ECS respectively (according to local norms).
- (ix) It is not located within 10 km of Eco Sensitive areas. NBWL Clearance is not required.
- (x) Forest Clearance is not required.
- (xi) No court case is pending against the project.
- (xii) Investment/Cost of the project is Rs.232 (Crores).
- (xiii) Employment potential- During Construction phase approx. 80-100persons shall get employment.
- (xiv) Benefits of the project – Wastewater treatment facility, Landscape enhancement facility, Parking management facility, Rainwater harvesting facility, Energy conservation facility - Environment; Residential -Social

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Delhi, the proposal has been appraised at Central level by sectoral EAC.

The EAC was informed that the Ministry of External Affairs (MEA) has a proposal for Re-development of its existing residential complex located at Kasturba Gandhi Marg, New Delhi. Ministry of External Affairs proposes having 98 Nos. of Dwelling Unit. Type-VI having 54 Nos. DU, Type-IV having 44 Nos. DU including Transit Apartments. Plot area measuring approx. 11,023 sqm (2.72 Acres) and total built up area 33,606.34 sqm. Total demolishing area (BUD) 9,767 sqm and Ground Area is 1,685 sqm.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard EC Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes), while considering for accord of environmental clearance:*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from DJB shall not exceed 46 KLD for operation of facility and necessary permission shall be obtained.

- (iii) The wastewater will be treated in house in STP of advance treatment technology having 50 KLD capacity. The treated water shall be used within the campus for flushing, greenbelt development, DG cooling and HVAC Cooling. As proposed, surplus treated water generate at site shall be reused within the premises and no excess treated water shall be discharged to Municipal drain.
- (iv) All construction and demolition debris shall be stored at the site securely during the demolition (and not dumped on the roads or open spaces outside) and are properly disposed in accordance with the provisions of the Construction and Demolition Waste Management Rules 2016. Further, the Proponent shall follow, inter alia, the following:
 - a) The project proponent shall prima-facie be responsible for collection, segregation of concrete, soil and others and storage of construction and demolition waste generated, as directed or notified by the concerned local authority in consonance with these rules.
 - b) The project proponent shall ensure that other waste (such as solid waste) does not get mixed with this waste and is stored and disposed separately.
 - c) The project proponent if generate more than 20 tons or more in one day or 300 tons in a month shall segregate the waste into four streams such as concrete, soil, steel, wood and plastics, bricks and mortar and shall submit waste management plan and get appropriate approvals from the local authority before starting construction or demolition or re-modelling work and keep the concerned authorities informed regarding the relevant activities from the planning stage to the implementation stage and this should be on project to project basis.
 - d) The project proponent shall keep the construction and demolition waste within the premise or get the waste deposited at collection centre so made by the local body or handover it to the authorized processing facilities of construction and demolition waste; and ensure that there is no littering or deposition of construction and demolition waste so as to prevent obstruction to the traffic or the public or drains.
 - e) The project proponent shall pay relevant charges for collection, transportation, processing and disposal as notified by the concerned authorities. The project proponent if generate more than 20 tons or more in one day or 300 tons in a month shall have to pay for the processing and disposal of construction and demolition waste generated, apart from the payment for storage, collection and transportation as per the rate fixed by the concerned local authority or any other authority designated by the State Government.
- (v) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (vi) 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. As proposed, 03 Nos. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (vii) Segregated bio-degradable waste shall be compost in Organic Waste Converter. As proposed 50 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.

- (viii) A total of 33 trees will be felled/cut for which the permission from Tree Authority constituted as per the Delhi Preservation of Trees Act, 1994 (Delhi Act No. 11 of 1994) shall be obtained. However, tree cutting/transplantation should be taken where absolutely necessary. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted). In case of cut/non-survival of any transplanted tree, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree) shall be done and maintained.
- (ix) A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed 2343.9 sqm (21.26% of total area) area shall be provided for green area development.

Agenda item No. 56.3.3.

Expansion of Hospital capacity from 750 to 1500 beds with total built up area of 1,48,537.47 sqm at Swami Ram Nagar, Jolly Grant, Dehradun, Uttarakhand by M/s Himalayan Institute Hospital Trust - Environmental Clearance

(IA/UK/MIS/170129/2020; F.No. 21-56/2020-IA-III)

The Project Proponent (PP) along with his consultant M/s Shri Environmental Technology Institute made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at Latitude 30°11'34.01" N, Longitude 78°09'53.07"E.
- (ii) The project is Expansion. The Hospital is in operation since long back and regular consent to operate is being obtained from SPCB.
- (iii) The Project is inside Doon Valley and discharge is more than 1000 KLD. It is under service sector; hence it will be considered as category 'A' project vide CPCB order No. B29016/ROGW/IPC-VI/2020-21 dated 30.04.2020.
- (iv) The total plot area is 1,42,380 sqm and total construction (built-up) area of 1,48,537.47 Sqm. The details of building are as follows:

Items	Existing	Proposed	Total
Nos of Beds	750	750	1500
Built up Area (sqm)	50641.41	97896.06	148537.47

- (v) The water is being abstracted from Ground by approval and permission of Central Ground Water Authority vide their NOC no. CGWA/NOC/INF/ORIG/2020 /7239 dated 23.01.2020, which has been obtained from Central Ground Water Authority (CGWA).
- (vi) During construction phase, total water requirement is expected to be 1000 KL which will be met by Tanker/ Borewell. During the construction phase, Soak Pits and septic tanks will be provided for disposal of waste water.
- (vii) During operational phase, total water requirement of the project is expected to be 1325 KLD and the same will be met by 1172.50 KLD fresh water from Borewell and 950 KLD Recycled Water. Wash water generated (1172.5KLD) will be treated in STPs and ETP of total 1280 KLD capacity, 950 KLD of treated wash water will be recycled and re-

used (250 KLD for flushing, 600 KLD for gardening and 100 KLD for road washing etc.) No water will be disposed outside campus.

- (viii) The solid waste expected to be generated and the estimated quantity of the waste will be approx. 200 kg per day. Following arrangements will be made at the site in accordance to Municipal Solid Wastes (Management and Handling) Rules, 2000. The solid waste of the project will be segregated into Bio medical waste and recyclable. The recyclable wastes will be sent off to recyclers. The Bio-Medical waste is being disposed off to authorized CBMWTF i.e. Medical Pollution Control Committee. About 1350 Kg/day biomedical wastes will be generated in the project.
- (ix) The power during construction phase is 4100 KVA and which is met out from UPCL and total power requirement during cooperation phase will be 6100 KVA which is met out from UPCL.
- (x) Rooftop rainwater of building will be collected in 12 RWH tanks of total 1100 KLD capacity for harvesting after filtration.
- (xi) Parking facility for Four wheelers and Two wheelers is proposed.
- (xii) Proposed energy saving measures would save about 19% of Power.
- (xiii) NBWL Clearance is not required.
- (xiv) Forest Clearance is not required.
- (xv) No Court case is pending against the project.
- (xvi) Expected timeline for completion of the project is 5 year.
- (xvii) Investment /Cost of the project is Rs. 253 Crore.
- (xviii) Employment Potential – Existing 3200 & Proposed – 1000 nos)
- (xix) Benefits of the project – The Himalayan Hospital is a renowned hospital in District Dehradun and in surrounding areas having various Medical facilities/departments for treatment of serious ailments. Even patients from other state visit hospital for treatment. With the ever-growing population and increase in various kinds of disease and ailments and also due to ongoing COVID 19 the Hospital has proposed to expand its capacity of 750 nos. beds to 1500 nos. beds which needs the consideration of the concerning authority. Being a Hospital Project, it is very important for the country from the above perspective and is feasible in all respect. The project will also generate employment for people in different categories and subsequent development around the Hospital is also envisaged. As such the expansion of this project is beneficial from all perspectives.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, since the Project is inside Doon Valley, the project proponent has applied at Central level for consideration by sectoral EAC.

The EAC deliberated upon the information and noted that Doon valley Notification dated 1st February 1989 & January 2020 does not provide distinction of appraisal between center and state Levels for requirement of EC. The categorization of industries by CPCB dated 30th April, 2020 provides listing of Red and Orange Categories only. The EAC was of the view that in this case the EIA Consultant has misguided the PP, which should have been appraised at State level. However, recognizing the fact that proposed project belongs to medical facility and time has been lapsed in filing the application, the instant proposal may be appraised at Central Level.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard EC Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes), while considering for accord of environmental clearance:*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) The Project proponent should ensure that the facility fulfils all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 & the Protocol for 'Performance Evaluation and Monitoring for the same as published by the CPCB and Bio-Medical Waste Management Rules, 2016 and the revised guidelines issued by CPCB for Common Bio-Medical Waste Treatment and Disposal Facility.
- (iii) As proposed, fresh water requirement from ground water shall not exceed 1172.50 KLD for operation of facility and necessary prior permission shall be obtained from CGWA.
- (iv) The wastewater will be treated in the inhouse STP of Capacity 1100 KLD and ETP of 180 KLD capacity for Bio-Medical Liquid Waste. All the treated water will be used within the campus for flushing, gardening and washing. As proposed, no treated/untreated effluent shall be discharged outside the premises.
- (v) In order to mitigate the emission load from traffic and to promote cleaner fuel options, Electric Car Charging Points shall be provided at the Parking and provision of vehicles based on green fuel shall be facilitated.
- (vi) As committed, minimum 19% energy saving shall be achieved through using Double Insulated glass, wall & Roof insulations and using Energy efficient Electro-Mechanical Equipment including providing the Solar Panel.
- (vii) The development of proposed centers may take in to account guidelines of concerned State Health Department, particularly in context of highly contagious diseases like novel Covid-19.
- (viii) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (ix) As proposed, 12 Nos. of rain water harvesting recharge tanks shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (x) Segregated bio-degradable waste shall be compost in Organic Waste Converter. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.
- (xi) No tree felling/transplantation has been proposed in the instant project. As proposed, total area of 45,994.93 sqm (32% of net plot area) shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.3.4.

Expansion of Residential Cum Training Complex with total built up area of 1,38,846.37 sqm at Plot No. 21, Sector -21, Dwarka, New Delhi by Special Protection Group, Govt of India - Environmental Clearance

(IA/DL/MIS/166688/202; F.No. 21-57/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Shri Environmental Technology Institute made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at 28°33'48.52"N latitude and 77°4'8.28"E Longitude.
- (ii) Earlier Environmental clearance was granted by MoEFCC in Violation category vide letter F.No. 21-37/2018-IA-III dated 22nd February, 2019 for built-up area 1,36,741.91 sqm.
- (iii) The project involves the construction of swimming pool (Aquatic Training Facility) and facilities required for Swimming Pool like changing rooms etc besides the existing construction of residential building. The proposed area of swimming pool and changing room will be 1708.48 sqm (NON-FAR) + 395.98 sqm (FAR) respectively. Total Built-up Area after expansion will be 1,38,846.37 sqm (Existing: 1,36,741.91 sqm + Proposed: 2,014.46 sqm).
- (iv) During construction phase, total water requirement is expected to be 5 KLD which will be met by DJB/STP. 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.
- (v) During operational phase, total water requirement of the project is expected to be 1089 KLD and the same will be met by 789 KLD fresh water from 473 DJB and 300 KL from tanker (single time) + 20 KLD from tanker and 296 KLD Recycled Water. Wastewater generated (583 KLD) will be treated in STP of total 700 KLD capacity 296 KLD of treated wastewater will be recycled and re-used for flushing and gardening etc.).
- (vi) About 2647 kg/d solid wastes will be generated in the project. The biodegradable waste (1324 kg/d) will be processed in OWC and the non- biodegradable waste generated (1323 kg/d) will be handed over to authorized local vendor.
- (vii) The total power requirement during construction phase is 5 KVA and will be met from BSES and total power requirement during operation phase is 12940 KVA and will be met from BSES.
- (viii) Roof top rain water of buildings will be collected in 10 RWH tanks of total KLD capacity for harvesting after filtration.
- (ix) Parking for 1,649 ECS (13 buses+1157 four Wheeler and 1762 two wheeler) will be provided.
- (x) Proposed energy saving measures would save about 10 % of power. Comparative analysis of existing/envision pollution load (in case of expansion/modernization) will be negligible.
- (xi) Impact of proposed project/activity on Air, Water, Noise, Ecology and proposed mitigation measures will be negligible.
- (xii) No Court case is pending against the project.
- (xiii) Investment/Cost of the project is Rs 8.27 Crore. (Rs. 466.41+Rs. 8.27 for Expansion

Rs. 474.68 Crore).

- (xiv) Employment potential will be about 1736.
- (xv) Benefits of the project is employment generation and national security.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Delhi, the proposal has been appraised at Central level by sectoral EAC.

The EAC also noted that project involves the construction of swimming pool (Aquatic Training Facility) and facilities required for Swimming Pool like changing rooms etc. in the existing residential building. The proposed area of swimming pool and changing room will be 1708.48 sqm and 395.98 sqm respectively. In the instant proposal there will be increase of area in the built-up area and total built-up area after expansion will be 1,38,846.37 sqm.

It was informed by the project proponent that for the proposed swimming pool 300 KL fresh water from tanker will be required single time and 20 KLD water will be sourced from tanker. The EAC opined that the project proponent should explore the possibility to use the treated water for swimming pool. The EAC after detailed deliberation on the proposal asked the project proponent to submit following:

- (i) Revised water balance for the project in totality. Plan for reuse of treated water in swimming pool.
- (ii) Status of physical progress of existing project along with CTE.
- (iii) Certified Compliance Report by RO of MoEF&CC to the conditions of existing EC.

Agenda item No. 56.3.5.

Proposed Redevelopment of existing chawls and Construction of Sale Residential cum Commercial Complex with total built up area of 22,592.46 sqm on plot bearing S. No. 98/4, 99/2 at village Katemanivali, Tal. Kalyan, District Thane. By M/s. Yash Realty – Environmental Clearance

(IA/MH/MIS/175103/2020; F.No. 21-58/2020-IA-III)

The project proponent did not attend the meeting and as such, the proposal was deferred.

Agenda item No. 56.3.6.

Construction of Affordable Group Housing “Aprajita Sports City” with total built up area of 1,11,259.67 sqm at Mouza-Khatanga, Khata no-81&86, Khasra no- 900, 895, 896, 901, & Thana no-179, block-kanke, Sub Division Sadar, District Ranchi, Jharkhand by M/s Abhishek Singh Rathaur Construction Pvt. Ltd. - Environmental Clearance

(IA/JH/MIS/176820/2020; F.No. 21-59/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Perfect Enviro Solutions Private Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at: Latitude- 23°22'24.6"N & Longitude- 85°23'57.9"E.

- (ii) The project is new. The total plot area of the project will be 25,496.91 sqm, the total FAR will be 88,567.24 sqm, the proposed Non-FAR Area including basement will be 22,692.430 sqm and the total built-up area will be 1,11,259.670 sqm. The total number of towers will be 9. The total number of floors will be B + G + 14. Maximum height of the building will be 45 m. The details of the building are as follows:-

Particulars	Unit	Details
Cost of Project	Crores	163.3
Plot Area	sqm	25,496.91
GROUND COVERAGE		
Ground Coverage (Permissible)	sqm	8,924
Ground Coverage (Proposed)	sqm	8,923
FAR AREA		
FAR Permissible	sqm	89,239.19
FAR Proposed- A	sqm	88,567.24
NON-FAR AREA		
Staircases area	sqm	1,597.43
Stilt parking areas(ground, first)	sqm	12,516
Basement area	sqm	7,584
Extended basement	sqm	995
Total Basement Area	sqm	8,579
Total Non-F.A.R Area-B	sqm	22,692.430
Built-up Area (A+B)	sqm	1,11,259.670
Green Area	sqm	4,062 (15.9 % of plot area)
Road Area & Open Area including surface parking	sqm	12,511.91
No. of Floors	No.	B + G + 14
No. of tower	No.	9
Level of Basement	No.	1
Height of building	m	45
NUMBER OF DWELLING UNITS		
@ 3BHK	No.	348
@ 2BHK	No.	352
@ 1BHK	No.	380
Total	No.	1,080

- (iii) During Construction Phase 17 KLD treated water will be required, out of which 8 KLD of construction water will be arranged through STP treated water and 9 KLD of domestic water requirement for 200 No. of labours will be met through tankers. During the Construction Phase, Mobile Sewage Treatment Plant will be provided for disposal of waste water. Temporary sanitary toilets shall be provided during peak labour force.
- (iv) During Operation Phase the total water requirement of the project 705 KLD. Out of which 454 KLD fresh water will be met through groundwater (CGWB). Total waste water generation from the project will be 571 KLD which will be treated in STP of capacity 620 KLD based on MBBR technology. Total 514 KLD treated wastewater will be generated from the STP, out of which 251 KLD will be reused for flushing, gardening and misc. purpose & excess treated water of 263 KLD will be given to nearby areas for irrigation purpose.

- (v) About 2.312 TPD of solid wastes will be generated in the project. The biodegradable waste of 1.387 TPD will be treated in an Organic Waste Converter & converted to manure. The manure will be used in green areas, the non-biodegradable waste of 0.463 TPD will be generated which will be given to the approved recycler and plastic waste generated of 0.462 TPD which will be given to the approved recycler. The used oil generation from the project will be 24 lit./month & E-waste of 2-3 kg/month will be collected and given to the approved recycler.
- (vi) The total power load will be 3,242 KW which will be met by the Jharkhand Bijli Vitran Nigam Limited (JBVNL). In case of power failure, power backup will be provided through DG sets of capacities of 2 x500 kVA & 2 x250 kVA that will be installed. To prevent the impact of air emissions. Stack heights of 3.2 m above roof level will be provided for DG set of capacity 2 x 500 KVA & 2.2 m above roof level for DG sets of capacity 2 x 250 kVA capacity in accordance with CPCB norms.
- (vii) Rooftop rainwater of buildings will be collected in 5 nos. of RWH pits of total 490 KLD capacity for harvesting after filtration.
- (viii) The parking requirement will be 660 ECS & parking provision will be 844 ECS
- (ix) Proposed energy saving measures would save about 10% of total power
- (x) NBWL clearance is not required. No forest clearance is required
- (xi) No court case is pending against the project.
- (xii) The green belt will be developed at the site with a total green area of 4062 sqm (15.9 % of the total plot area). Total no. of trees proposed at site 319
- (xiii) Expected timeline for completion of the project: 4-5 years
- (xiv) Investment/Cost of the project: The total project cost of the project is Rs.163.3 crores
- (xv) Employment potential: Approx. 200 labourers will be hired during the construction phase and During operation phase the total population of the project will be 5321 persons comprising staff, residents and visitors.
- (xvi) Benefits of the project: Well connected with the network of public transport, local railways and cabs. Pollution-free environment with proper drainage and sewage system. Easy access to the airport and local Railway Station. The provision of renewable sources of energy like solar lights will be helpful in power savings. Physical Infrastructure: The basic requirement of the community like strengthening of Solar lighting and Infrastructure Development through the proposed CER activities in the area will help in uplifting the living standards of local communities. Employment Opportunities: About 200 people will be deployed temporarily during the construction of the project and about 50 people will be employed during the operational stage of the project (direct or indirect).

The project/activity is covered under item 8(a) 'Building and Construction Projects' of the Schedule to the EIA Notification, 2006 and its amendments, and requires appraisal at State level. However, due to non-existence of SEIAA/SEAC in Jharkhand, the proposal is appraised at Central level by sectoral EAC.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.

- (ii) As proposed, fresh water requirement from ground water shall not exceed 454 KLD during operational phase and necessary permission shall be obtained. No ground water shall be abstracted without prior permission from CGWA.
- (iii) The wastewater will be treated in house in STP of advance treatment technology having 620 KLD capacity. The treated water shall be used for flushing, gardening & misc. purposes. As proposed, excess treated water shall be given to nearby areas for irrigation purpose and tie up/agreement to be made. A dedicated conveyance line conforming the discharge standard shall be laid with flow meter. In any case excess treated water shall not exceed 50% of waste generation for irrigation.
- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) 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. As proposed, 05 Nos. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (vi) Bio-degradable shall be composted in Organic Waste Converter. As proposed 400 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.
- (vii) No tree felling/transplantation has been proposed in the instant project. As proposed, total area of 4,062 sqm (15.9% of net plot area) shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.3.7.

Construction of 217 Bedded Hospital with built up area of 29222.305 sqm at plot no FC-53, Sarasvati Vihar, (Near Netaji Subhash Place Metro Station), Delhi by Bharat Prakritik Chikitsa Mission (Regd.) – Environmental Clearance

(IA/DL/MIS/169589/2020; F.No. 21-50/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Perfect Enviro Solutions Private Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at: Latitude- 28°41'46.40"N & Longitude- 77° 9'14.51"E.
- (ii) The project is new. The total plot area of the project will be 5100 sqm, the total FAR will be 148624.84 sqm, the proposed Non-FAR will be 5591.8 sqm. The total basement area will be 8767.665 sqm and the total built-up area will be 29222.305 sqm. The total number of blocks will be 1. Maximum height of the building will be 50 m. The details of the building are as follows:-

Particulars	Unit	Details
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Total Plot Area	sqm	5100
Net Plot Area	sqm	5082.201 (1.256 Acres)
G.C (Permissible) (40 % of net plot area)	sqm	2033
G.C (Ach) (40 % of net plot area)	sqm	2033
FAR Permissible (3.00)	sqm	15247
Proposed FAR (A) (2.73)	sqm	13892.29
Additional permissible FAR for waiting (10% of FAR)	sqm	1389.229
FAR proposed for waiting (B) (6.36 % of FAR)	sqm	970.55
Total FAR Area (A+B) = X	sqm	148624.84
Total Non- FAR AREA= Y	sqm	5591.8
Upper Basement Area= I	sqm	2619.255
Middle Basement Area= II	sqm	2950.3
Lower Basement Area= III	sqm	3198.11
Total Basement area(I+II+III=Z)	sqm	8767.665
Built-up Area (X + Y+ Z)	sqm	29222.305
Total Green Area (15% of Net Plot Area)	sqm	762.33
Surface Parking Area	sqm	600
Total Open & Road Area	sqm	1686.87
No of Towers / blocks	No.	1
Maximum No. of Floors	No.	G+10
Max. height of building	m	50

- (iii) During Construction Phase 15 KLD treated water will be required, out of which 8 KLD of construction water will be arranged through treated water from NDMC waste water treatment supply line and 7 KLD of domestic water requirement for 150 No. of labours will be met through water supply by tankers. During the Construction Phase, Mobile Sewage Treatment Plant will be provided for disposal of waste water. Temporary sanitary toilets shall be provided during peak labour force.
- (iv) During Operation Phase the total water requirement of the project will be 244.5 KLD. Out of which 125.5 KLD fresh water will be met by Delhi Jal Board and 119 KLD treated wastewater generated from the STP of capacity 175 KLD will be used to meet the requirement for flushing, gardening and cooling. Total waste water generation from the complex will be 132 KLD (121 KLD sewage +11 KLD treated water from ETP). Approx. 13 KLD waste water will be generated from the Laboratory which will be treated in ETP of capacity 15 KLD. It will be a Zero-Liquid Discharge Project
- (v) About 0.210 TPD solid wastes will be generated in the project. The biodegradable waste 0.126 TPD will be processed in OWC and the non-biodegradable waste generated 0.084 TPD. Bio-Medical Waste of 0.081 TPD will be generated from the Hospital which will handover duly segregated and disinfected waste to the state Approved Biomedical Waste Service Provider for final disposal. The used oil generation from the hospital complex will be 31 lit./month & E-waste of 5 kg/month will be collected and given to the approved recycler.
- (vi) The total power load demand is 1890 KW and power load connected is 3406 KW which will be met by NDMC. In case of power failure, power backup will be provided through DG sets of capacities of 2x1500 kVA+1x500 kVA that will be acoustically enclosed at surface only. To prevent the impact of air emissions, stack heights of 30 m above ground level will be installed in accordance with CPCB norms.
- (vii) Rooftop rainwater of buildings will be collected in 2 no of RWH tanks of total 103 KLD capacity for harvesting after filtration.

- (viii) The parking requirement will be 278 ECS & parking provision will be 334 ECS
- (ix) Proposed energy saving measures would save about 20% of total power.
- (x) It is not located within 10 km of the Eco Sensitive Zone. NBWL clearance is not required.
- (xi) Forest clearance is not required.
- (xii) No court case is pending against the project.
- (xiii) Total capital cost towards EMP will be Rs 114 lakhs and Recurring cost will be Rs 14.8 lakhs per year.
- (xiv) The green belt will be developed at the site with a total green area of 762.33 sqm (15 % of the total plot area). 8 no of trees already present at the site which will be retained. Total no. of trees proposed at site 145.
- (xv) Expected timeline for completion of the project: 4-5 years.
- (xvi) Investment/Cost of the project: The total project cost of the project is Rs.109.85 crores.
- (xvii) Employment potential: Approx. 150 labours will be hired during the construction phase and During operation phase the total population of the project will be 100 persons comprising staff and patients.
- (xviii) Benefits of the project: It will provide employment to the people during the construction and operation phase directly & indirectly 150 no. of labours during construction and 100 during operation phase. The project will lead to an increase in the infrastructure of the area and encourage others for further development of the area. The Hospital will boast some of the best medical care infrastructure in the country. It will render tertiary and specialised treatment to the general population. 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. Corporate Environment Responsibility will also be considered for the social benefits of the society.

The project/activity is covered under item 8(a) 'Building and Construction Projects' of the Schedule to the EIA Notification, 2006 and its amendments, and requires appraisal at State level. However, due to non-existence of SEIAA/SEAC in Delhi, the proposal is appraised at Central level by sectoral EAC.

*The EAC noted that the activities proposed in the hospital complex will be IPD (217 beds), Outpatient Zone, Day Care Service, Emergency, Diagnosis Service, Inpatient Service. The EAC also deliberated traffic decongestion plan after implementation of project as the location of site adjacent ring road having heavy flow of traffic. The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard EC Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes), while considering for accord of environmental clearance:*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from DJB shall not exceed 125.5 KLD for operation of facility and necessary permission shall be obtained
- (iii) Sewage shall be treated in onsite STP having capacity 175 KLD and treated effluent from STP shall be recycled/re-used for Flushing, gardening and cooling. Bio-Medical Liquid Waste shall be treated in ETP of 15 KLD capacity. As proposed, no treated effluent shall be discharged to Municipal drain.

- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) Biomedical wastes shall be managed in accordance to the BMW Rules, 2016 and radio-active waste shall be disposed-off as per the atomic Energy Commission regulations, as applicable.
- (vi) As proposed, 02 Nos. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (vii) Proper in-house waste segregation practice shall be followed as per Municipal Waste (Management & Handling), Rules 2016. Bio-degradable municipal waste shall be compost in Organic Waste Converter. As proposed, 50 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.
- (viii) 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 02 kms radius of the project is maintained and improved upon after the implementation of the project. 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 it shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (ix) No tree felling/transplantation have been proposed in the instant project. As proposed, total area of 762.33 sqm (15% of net plot area) shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.3.8.

Construction of Affordable Housing Project for built-up area 4,28,521.99 sqm at 48 Nos. of Plot, Khata No. 55, Ward No. 17, Birsanagar, Jamshedpur, under Pradhan Mantri Awas Yojana by M/s Jharkhand Urban Infrastructure Development Company Limited – Reconsideration for Environmental Clearance

(IA/JH/MIS/136341/2020; F.No. 21-6/2020-IA-III)

The project proponent did not attend the 55th meeting held during 25-26 August 2020. Now, the Project Proponent (PP) along with his accredited consultant M/s Visiontek Consultancy Services Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at 22°47'24.54"N Latitude and 86°15'57.12"E Longitude.
- (ii) The project is new. The total plot area is 1,96,893.46. sqm, FSI area is 3,89,070.57 sqm and total construction (Built-up) area of 4,28,521.99 sqm. The project will comprise of 26 Nos. of Type - I Buildings (G+8) & 4 Nos. of Type - II Buildings (G+8) Buildings. Total 8948 Flats shall be developed. Maximum height of the building is 26.70 m.

- (iii) Terms of Reference was granted by MoEFCC vide letter F.No. 21-6/2020-IA-III dated 19.02.2020
- (iv) During construction phase, total water requirement is expected to be 100 KLD which will be met by private water 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 labor force.
- (v) During operational phase, total water requirement of the project is expected to be 6040 KLD and the same will be met by 4027 KLD fresh water from Municipal supply water and 2013 KLD from Recycled Water. Wastewater generated (5637 KLD) will be treated in 1 no. STPs of total 6200 KLD capacity. 5355 KLD of treated wastewater will be recycled and re-used (2013KLD for flushing, 298 KLD for gardening & 167 KLD for general washing etc.). About 2877 KLD during dry season and 3175 KLD during wet season will be disposed in to municipal drain.
- (vi) About 22.37 TPD solid wastes will be generated in the project. The biodegradable waste (13.422 TPD) will be processed in OWC and the non-biodegradable waste generated (8.948 TPD) will be handed over to authorized local vendor.
- (vii) The total power requirement during construction phase is 1 KVA and will be met from Jharkhand Electricity Board and total power requirement during operation phase is 10,000 KVA and will be met from The Jharkhand Electricity Board.
- (viii) 30 nos. Rain Water Harvesting and Recharge Pits for Rooftop Rain Water and Surface Runoff at selected locations, which will catch the maximum rooftop rain water and surface runoff from the area. Total Quantity of Harvested Rainwater/hour as per Average Annual Rainfall will be 70.53 m³/hr and Total Quantity of Harvested Rainwater as per Highest Rainfall/hour will be 83.09 m³/hr.
- (ix) Parking facility for 664 Nos. four wheelers and 2,788 Nos. two wheelers is proposed to be provided.
- (x) Proposed energy saving measures would save about (11.35 % +5%) % of power.
- (xi) It is located within 10 km of Eco Sensitive Zone of Dalma Wildlife Sanctuary for which NBWL Clearance will be required.
- (xii) Forest Clearance is not required.
- (xiii) No Court case is pending against the project.
- (xiv) Expected timeline for completion of the project (24 month).
- (xv) Investment/Cost of the project is Rs. 610 Crore.
- (xvi) Employment potential:100 no.
- (xvii) Benefits of the project: Positive impacts include job creation, preservation of environment and benefits to local population through job opportunities. Construction phase will generate jobs that are related to unskilled, semiskilled as well as skilled labor category in addition to various specialist positions.

The EAC noted that 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 State level. However, due to absence of SEIAA/SEAC in Jharkhand, the proposal has been appraised at Central level by sectoral EAC.

The EAC during deliberation noted that the project proponent has not provided requisite information (as mentioned in the agenda) to the Members. The EAC warned the

Accredited consultant not to repeat such incidence in future. The EAC after detailed deliberation on the proposal asked the project proponent to submit the following:

- (i) Land use of site, confirming that site shall not fall in flood plain and in this regard, certificate to be obtained from Irrigation Department.
- (ii) Details of Source of water supply, its availability and consent from the concerned authority.
- (iii) Explore the possibility of using treated water and accordingly, submit revised water balance and its management.

Agenda item No. 56.3.9.

Building Construction for 12th BN NDRF with built up area 29612.40 sqm at village Hollongi Chariali, District Papum Pare, Arunachal Pradesh by 12th BN National Disaster Response Force (NDRF) – Reconsideration for Environmental Clearance

(IA/AR/NCP/170461/2020; F.No. 21-49/2020-IA-III)

The project proponent did not attend the 55th meeting held during 25-26 August 2020. Now, the Project Proponent (PP) along with his accredited consultant M/s Amaltas Enviro Industrial Consultants LLP (AEC) made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at Hollongi, Arunachal Pradesh. Site co-ordinates of the project site is 26°57'57.33"N 93°35'56.74"E.
- (ii) This is New Project. The total plot area is 2, 71,868.05 Sqm; Total FSI area is 29,612.40 sqm and total construction (Built-up) area of 29,612.40 sqm. Total Dwelling Unit 198DU - Residential- Quarters; Blocks; Other Facilities, Type-II Quarters; Type-III Quarters; Type-IV Quarters; Type-V Quarters). Maximum height of the building is 15 metre.
- (iii) During construction phase, total water requirement is expected to be 817.42ML. Which will be met by treated water from Municipal supply 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 approx. 421 KLD and the same will be met by Municipal Supply. Daily fresh water will be 320 KLD however Recycled water will be 101 KLD. Domestic wastewater generation will be 126 KLD will be treated in STP of 150 KLD. 101 KLD of treated wastewater will be recycled 44 KLD for flushing, 50 KLD for green belt, 7 KLD for DG Cooling etc.
- (v) About 0.867TPD solid wastes will be generated in the project. The biodegradable waste (0.520TPD) will be processed in OWC and the non-biodegradable waste generated (0.174 TPD) will be handed over to authorized local vendor.
- (vi) Maximum Demand load estimated is approx. 1,657 kW. Source of Power Supply -To meet the load, the HT supply will be received at 11 kV from the Arunachal Pradesh Distribution Company Ltd. Max. Demand load for DG Set 908Kw shall be placed Outdoor with Acoustic Enclosure. DG Set Capacity 1*1250 kVA 11/0.43kV oil type transformer with on load tap changer on HV side.
- (vii) Roof top rainwater of buildings will be collected. As Groundwater level in area is high, so rainwater harvesting is not advisable. Therefore, 4 ponds of total 8,200 m³ capacity has been proposed in the project site.
- (viii) Parking facility for 300 ECS is proposed to be provided against the requirement of 296 ECS respectively (according to local norms).

- (ix) Proposed energy saving measures would save about 8 -10 % of power.
- (x) It is not located within 10 km of Eco Sensitive areas and NBWL Clearance is not required.
- (xi) Forest Clearance is not required.
- (xii) No Court case pending against the project.
- (xiii) Investment/Cost of the project is Rs.111.53 Crores.
- (xiv) Employment potential- During Construction phase approx. 30-80 persons shall get employment.
- (xv) Benefits of the project - Wastewater treatment, Landscape enhancement, energy conservation, parking management, rainwater harvesting - Environment.

The project/activity is covered under item 8(a) 'Building and Construction Projects' of the Schedule to the EIA Notification, 2006 and its amendments, and requires appraisal at State level. However, due to non-existence of SEIAA/SEAC in Arunachal Pradesh, the proposal is appraised at Central level by sectoral EAC

The EAC took note of the submission made by the project proponent and noted that the proposed project site is just on bank of the River Dikrong and the boundary is only 25 mt away from the river. The EAC also expressed its displeasure over the Environmental Consultant who did not disclose the facts of site during the presentation. The Committee warned the consultant for not repeating such incidence in future. The EAC after detailed deliberation asked the project proponent to submit following:

- (i) Demarcation of Flood Zone line duly certified by concerned irrigation Department.
- (ii) Details of green area development plan including tree profile.

Agenda item No. 56.3.10.

Expansion of Common Hazardous Waste Treatment, Storage & Disposal Facility at Plot No. C-187, UPSIDC, Industrial Area, Bulandshahar Road, Ghaziabad, Uttar Pradesh by M/s Steam Oil & General Industries (SOGI) – Reconsideration for Terms of Reference (IA/UP/MIS/154232/2020; F.No. 10-34/2019-IA -III)

The project proponent did not attend the meeting and as such, the proposal was deferred.

Agenda item No. 56.3.11.

Construction of Institutional Building (University) with built up area of 238632.05 sqm at Sector 3 Rohini, Delhi by M/s Ambedkar University - Terms of Reference (IA/DL/MIS/172639/2020; F.No. 21-52/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Aplinka Solutions & Technologies Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The title of the project is Institutional Project 'Ambedkar University'. Ambedkar University is presently running from temporary campus located at Kashmiri Gate /Karpura/ Lodhi Road Delhi. The University is planning to develop New University campus at Rohini Sector-3 Delhi on a plot measuring 70,228.56 sqm allotted to Ambedkar University, North West Delhi.

- (ii) The Ambedkar University Delhi (AUD) plot at (Sector-3) Rohini consists of two sub plots divided by a 13.5 meters public road. Initially DDA had allotted these two sub plots to department of Higher education, GNCTD for Indira Gandhi Institution of Physical Education & Sports Sciences vide DDA letter no-F-15(1) 93/instl/45 dated 08.01.1996 and F.15 (3) 96/IL dated 25. 06.2001. These sub plots were measured 40,388.20 sqm & 29,840.36 sqm as confirmed by DDA vide its letter No-F.15 (1) 93/IL/1422 dated 15.04.2004 and letter no-F.15 (1) 93/IL/1276 dated 29.03.2004 respectively. Subsequently in 2010 GNCTD decided both these plots may be amalgamated for Ambedkar University campus into a single plot with 13.5m roads in between to be maintained for public use. DHE, GNCTD letter no-DHE.21 (H)/ Land Allot/2003-04/6195 dated 12.03.2010 may be referred in this regard. . This change in allotment has been confirmed by DDA vide its letter no-F.15 (1)/1993/11/361 dated 28.02.2011.
- (iii) The project planned over plot area 70,228.56 sqm & total Built up area of the project is 2,38,632.05 sqm. The project consists of Academic Building, Residential Building (Boys and Girls Hostel), and Play courts, Library, Green area, Swimming pool, Amphitheatre, Convenience centre, Auditorium and Restaurant.
- (iv) The water requirement comprises mainly of two parts i.e. fresh water for laborers and treated water for building constructions. It is estimated approx. 23 KLD of fresh water will be required for domestic purpose will be procured from Delhi Jal Board during the construction phase. About 1682 m³ of water will be required for construction & non potable purpose of the project. The treated water requirement will be met by the treated water supply from nearby operational STP of Delhi Jal Board.
- (v) During Operation Phase, in summer season it is estimated that the total water demand will be approx. 535 KLD. The fresh water requirement for the project is estimated to be approx. 205 KLD, whereas the treated water requirement will be approx. 330 KLD. 106 KLD of treated water will be procured from STP of DJB. The source of domestic water will be Delhi Jal Board. All the treated water will be utilized inside the project itself making the project as zero liquid discharge.
- (vi) During the operation phase, waste will comprise domestic as well as horticulture waste. The solid waste generated from the project shall be mainly domestic waste and estimated quantity of the waste shall be approx. 1983.35 kg per day (@ 0.15 kg per capita per day for the visitor, @ 0.25 kg per capita per day for the staff members, landscape wastes @ 0.2 kg/acre/day and Residential& hosteller @ 0.6 kg/capita/day). Arrangements will be made at the site in accordance to Solid Wastes Management Rules, 2016.
- (vii) No tree cutting involved in the project. All the existing trees are merged with landscape. Approximately 445 number of trees are present at site. All the plants species suggested are evergreen and fast growing and help in climate amelioration.
- (viii) The power supply shall be supplied by BSES. The demand load will be 3869 KVA for the proposed project. There will be a provision of 3X 1000 KVA + 2 X 500 KVA DG for power back up in the project. The DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.
- (ix) Investment/Cost of the project: The cost of the project including land and development cost and other contingencies is Rs. 1100 Crores.
- (x) Employment potential: Construction phase: Approx.200-250 labors will be engaged during construction phase. It will also provide direct & indirect employment to the local people from the surrounding areas. Operation phase: Staff and other technicians will be hired. Approximately 700 staff will be deputed.

- (xi) Benefits of the project: Make a positive impact on society. Employment generation during Construction and Operation phase. Landscape development.

The EAC noted that 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 State level. However, due to absence of SEIAA/SEAC in Delhi, the proposal has been appraised at Central level by sectoral EAC.

The EAC deliberated upon the information provided by the project proponent. After detailed deliberation, EAC recommended granting 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) An assessment of the cumulative impact of all development and increased inhabitation being carried out or proposed to be carried out by the project or other agencies in the core area, shall be made for traffic densities and parking capabilities in 5 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning shall be submitted with the EIA. The Plan shall also include the consent of all the concerned implementing agencies.
- (iii) Permission from CGWA for abstraction of ground water, if any, for basement/excavation dewatering.
- (iv) Details of tree cutting/transplantation, if any.
- (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) Option analysis of onsite and off-site wastewater treatment generated during operational stage.
- (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.

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.

Agenda item No. 56.3.12.

Development of Passenger Ropeway of 1,302 m length, covering area of 13,918 sqm at Rohtasgarh Fort, Tehsil & District Rohtas, by M/s Bihar State Tourism Development Corporation (BSTDC) Ltd. - Terms of Reference

(IA/BR/MIS/174653/2020; F. No. 10-58/2020-IA-III)

The EAC was informed that the project proponent did not attend the meeting. However, Standard Terms of Reference was generated automatically to project proponent through Parivesh vide letter F.No. 10-58/2020 dated 5th October, 2020. The details of the project are as follows:

- (i) The "Development of Passenger Ropeway" at Rohtasgarh Fort, Rohtas District Bihar is to be developed by M/s Bihar State Tourism Development Corporation (BSTDC) Ltd. The project is 1,302 m long ropeway, covering an area of 13,918 sqm.

- (ii) The proposed alignment starts from an open area on south western side of Akbarpur Village to a place 300 m away from Chorasani (Rohtas) temple overflying Nallah and forest area falling in District Saasaram (Rohtas). Lower Terminal Point (40 msl) is located on South Western side of Akbarpur Village on Akbarpur (Rohtas) to Jara Dag/ Nohatta Road near Forest Nursery (near Forest office/Police Station at Akbarpur village) and Upper terminal point (511msl) is located near Rohtas (Chorasani) Temple (at about 300 m distance from Rohtas Temple on western side and situated at top of Plateau).
- (iii) During construction 35 number of local labour will be hired. Proper arrangement of water supply and sewage disposal will be made at site. During operation 22 person are required for passenger ropeway. Suitable drainage and waste management measures shall be adopted in both the construction and operational phase such that there will be no stagnation of water or accumulation of waste.
- (iv) Construction material required for the development of the project will be procured from Dehri except Hauling Rope Hauling Rope will be procured from Patna, Bihar. Solid waste generated during Construction and Operation phase will be taken care as per the Solid waste Management Rule 2016 and its amendments.
- (v) There will be no displacement or immigration of the human population due to the proposed project. All safety guidelines shall be adhered to and followed during construction and operation phases. First aid facilities will be provided at site. The estimated cost for proposed ropeway project at Rohtasgarh Fort is about Rs.1265.15 Lakh. Total Annual O & M cost is about Rs 73.08 lakhs.

The EAC noted that the project is an Aerial Ropeway and falls under item 7 (g) of the EIA notification, 2006 as per Schedule and falls under category A, as it attracts the general condition. The proposed project lies in the Kaimur wild life sanctuary, Uchilla PF, Rohtas PF and inter-state boundary of Bihar and Jharkhand state at 4 km. Accordingly, the proposal has been appraised at Central level by sectoral EAC.

After detailed deliberations on the proposal, the Committee prescribed 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 dated 5th October, 2020 for preparation of EIA-EMP report:

- (i) Importance and benefits of the project.
- (ii) Submit copy of Stage-1 Forest Clearance.
- (iii) Status of clearance from National Board for Wild Life (NBWL).
- (iv) Confirmation/Status of permissible activity of ropeway ESZ area of Kaimur wildlife sanctuary.
- (v) Detailed plan for management air emission, domestic effluents, solid waste and hazardous waste.
- (vi) A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning.
- (vii) Details about the distance from the ESZ site to various ropeway stations.
- (viii) An onsite disaster management plan shall be drawn up to account for risks and accidents. This onsite plan shall be dovetailed with the onsite management plan for the two districts in consultation with district authority.
- (ix) 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.

The EAC recommended for the grant of ToR with Public Hearing for preparation of EIA / EMP report in addition to all relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006 and as amended from time to time. The draft EIA/EMP report be submitted to the State Pollution Control Board for public hearing.

Agenda item No. 56.3.13.

Construction of Aerial Passenger Ropeway System between Purkul Gaon (Dehradun) and Library (Mussoorie), covering area of 63500 sqm and length of 5.402 km at district Dehradun, Uttarakhand by M/s Mussoorie Sky Car Company Private Limited - Terms of Reference

(IA/UK/MIS/176857/2020; F.No. 10-60/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Perfect Enviro Solutions Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The proposed project is "Aerial Passenger Ropeway System between Dehradun (Purkul Gaon) and Mussoorie, District Dehradun, Uttarakhand" to be developed by M/s Mussoorie Sky Car Company Private Limited.
- (i) For the proposed Monocable Detachable Grip Ropeway System, LTP will be developed at Purkul Gaon, District- Dehradun, Uttarakhand and UTP near Library Mussoorie, District- Dehradun, Uttarakhand. The land of LTP – 42,000 sqm & UTP – 17,000 sqm are owned by the Government of Uttarakhand- Uttarakhand Tourism Development Board. Uttarakhand Tourism Development Board has further allotted M/s Mussoorie Sky Car Company Private Limited for development of Ropeway system via Public private partnership. The ropeway will cover a total land area of 63500 sqm (6.3 ha.) out of which approximately 9700 sqm is forest land. For the same, joint inspection by forest and revenue Officials has been done and the forest application has been filed.
- (ii) The land has been allotted for construction of the ropeway. Hence, the land use will be changed from forest to ropeway alignment and the land cover will be changed from undeveloped land to ropeway alignment. Project components (Activities and Facilities to be developed) are as follows:
- (iii) LTP: Ropeway Lower Terminal Station with boarding and deboarding facility. Car/vehicle Parking (mix of open and covered) for minimum 1500 units. Passenger holding / waiting area, Ticket Counter, Office block, Staff Accommodation, Service Area. Public Convenience & other utility areas. Open Spaces. Food Court.
- (iv) UTP: Ropeway Upper Terminal Station with boarding and deboarding facility. Passenger holding / waiting area, Ticket Counter, Office block, Staff Accommodation, Service Area. Direct Connectivity of the Terminal Station to the Mussoorie Mall road with planned public movement. Public Convenience & other utility areas. Open Spaces & Food Court
- (v) The proposed ropeway alignment falls within the notified Eco Sensitive area (ESA) of Doon Valley Hence, Doon Valley Notification 06th January 2020 - S.O. 94 (E) is applicable
- (vi) 9700 sqm (0.97 ha) of land is forest land which will be used for the construction of station and line towers (non forest uses) involved in ropeway installation. Tree cutting will be involved for which joint inspection by forest and revenue Officials has been done and the forest application has been filed. 71 no. of trees will be cut and 20 no. of trees will be pruned for the installation.
- (vii) The project does not fall under Critically Polluted Area.

- (viii) The Baseline is being collected for October 2020 to December 2020
- (ix) Since the elevation of Upper Terminal Point is more than 1000 m i.e. 1996 m above mean sea level. Also, the project falls in the Notified Eco-Sensitive Area (ESA) of Doon Valley [Doon Valley Notification] 06th January 2020 - S.O. 94(E). Hence, general condition is applicable and the project falls under Activity 7(g), Category A as per schedule of EIA Notification, 2006 and its subsequent amendments
- (x) No ground water extraction will be done. Water will be sourced through Jal Sansthan
- (xi) During Construction Phase Approx. 200 local laborers will be employed. Water will mainly be required for ropeway development, dust suppression & human consumption. It is estimated that around 17 KLD of water will be required during construction for domestic as well as construction purposes at both the terminals.
- (xii) During Operation Phase total water requirement has been estimated as 45 KLD, out of which 15 KLD of fresh water will be sourced through Jal Sansthan and rest 30 KLD will be provided by proposed STPs. Water will be used mainly for domestic, flushing, gardening & misc. purposes.
- (xiii) During peak days, total quantity of waste water generation has been estimated to be 33 KLD that will be treated in STP of total capacity 40 KLD (20 KLD at each Terminal Point). 30 KLD treated water will be reused completely in the premises for flushing, gardening and miscellaneous purposes. It will be a Zero-Liquid Discharge Project. The waste water from wet scrubber (for DG set of 1500 kVA) will be treated in STP at UTP.
- (xiv) Approx. 267kg/day biodegradable waste which will be treated in an Organic Waste Converter and converted into compost and 114 kg/day recyclable waste will be collected and given to the approved recycler.
- (xv) Tree cutting will be involved for which joint inspection by forest and revenue Officials has been done and the forest application has been filed. 71 no. of trees will be cut and 20 no. of trees will be pruned for the installation.
- (xvi) No Rehabilitation will be involved
- (xvii) There is no water body in the core zone. No water body will be diverted.
- (xviii) No litigation pending against the project proponent.
- (xix) Expected Power Requirement will be 1650KW. DG sets of 1 x 1500 kVA, 1x 350 kVA, 1 x 225 kVA, 1 x 85 kVA are proposed for the backup power supply located. In addition, an auxiliary DG Set of 1x250 kVA is also proposed.
- (xx) Investment/Cost of the project is Rs. 285.2 Crore
- (xxi) Employment potential: The project will provide employment to 200 laborers during the construction phase and 175 no. of staff during operation phase. It will also create more indirect employment
- (xxii) Benefits of the project: Aerial Ropeway is fast emerging technologies of providing not only tourist experience but an urban transportation means especially for tourist places. It is totally environment friendly with no generation of any type of pollutants. The land requirement is minimal as the transportation happens aerially thereby reducing any impact on the surface flora and fauna of the region. The Ropeway system would lead to better transport potential, reduced pollution, improved environment, speedy transit of passengers, and in case of emergency evacuation will be done easily. The Ropeway will boost the local economy when a larger number of Tourists / Visitors will visit Mussoorie. The Ropeway will provide direct and indirect employment of the local people. The ropeway will give a boost to the tourism potential. The project will lead to improved aesthetics in the area. The basic facilities such as road, water supply system,

drainage system, streetlight etc. near the project area are likely to be remarkably improved due to the implementation of the project.

The EAC noted that the project is an Aerial Ropeway and falls under item 7 (g) of the EIA notification, 2006 as per Schedule and falls under category A, as its elevation is more than 1000 mt. Accordingly, the proposal has been appraised at Central level by sectoral EAC.

The EAC noted that in order to reduce congestion along Dehradun-Mussoorie Road, the ropeway project has been proposed by Government of Uttarakhand. It is an environmental friendly system with no adverse impact on environment. It will promote tourism and strengthen the socio-economic status of the areas. To cater the national growth rate of 5% and to boost up the tourism in the area, construction of ropeway has been proposed. The alignment will involve cutting of 71 no. of trees and pruning of 20 no. of trees. For the same, joint inspection has been done by forest and revenue Officials and the forest application has been filed. The Project fall in Notified Eco-Sensitive Area (ESA) of Doon Valley dated 6th January 2020.

After detailed deliberations on the proposal, the Committee prescribed 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 copy of Stage-1 Forest Clearance.
- (iii) Details about the distance from the ESZ, if exist, from the site to various ropeway stations
- (iv) Status of clearance from National Board for Wild Life (NBWL), if applicable.
- (v) Permission of state in case of site falling under Doon Valley Zone.
- (vi) Detailed plan for management air emission, domestic effluents, solid waste and hazardous waste.
- (vii) A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning.
- (viii) EIA should consist of the landslide study.
- (ix) Details of controlled blasting at various ropeway stations.
- (x) An onsite disaster management plan shall be drawn up to account for risks and accidents. This onsite plan shall be dovetailed with the onsite management plan for the two districts in consultation with district authority.
- (xi) 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.

The EAC recommended for the grant of ToR with Public Hearing for preparation of EIA / EMP report in addition to all relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006 and as amended from time to time. The draft EIA/EMP report be submitted to the State Pollution Control Board for public hearing.

Agenda item No. 56.3.14.

Development/Redevelopment of Common Central Secretariat Buildings and Central Conference Centre with built area of 17,54,057 sqm, New Delhi by M/s Central Public Works Department - Terms of Reference

(IA/DL/MIS/174215/2020; F.No. 21-67/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Kadam Environmental Consultants made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The proposal is for Development/Redevelopment of Common Central Secretariat Buildings and Central Conference Centre, New Delhi
- (ii) The land use of the Plot No 4, Plot No.5 and Plot No 6 falling in Zone –D has been changed vide Gazette Notification S.O. 1192 (E) dated 20.03.2020 issued by Ministry of Housing and Urban Affairs. Land use of Plot No. 4 (As per L & DO Plot No 137) and Plot No 6 (As per L & DO-Plot No 22A, 22B & 22C) has been changed to Govt. Office. The details for proposed development are as follows:

Particulars	CCS 1, 2,3	Conference Centre & CCS4	CCS 5,6,7	CCS 8,9,10	Raksha Bhawan	Overall
Plot Area (sqm)	1,05,562.305	83,937.82	1,05,561.02	1,04,308.704	17,883.37	4,17,253.219
Plot Area (acres)	26.08	20.74	26.08	25.78	4.42	103.1
Plot Area (Hectare)	10.56	8.39	10.56	10.43	1.79	41.73
Plot nos	137	120	22A, 22B, 22C	23D, 23C, 23B	138	-
Permissible Ground coverage (sqm)	52,781	41,969	52,781	52,154	8,942	2,08,627
Permissible FAR	2	2	2	2	2	-
Actual Ground Coverage (sqm) achieved	46,500	26,475	46,500	46,500	8309	1,74,284
Actual FAR achieved, %	1.95	1.8	1.95	1.95	2	-
Total Built-up area (sqm) including 5% contingency	4,80,499.887	2,71,488.5565	4,80,605.0025	4,80,168.4545	41,295.45	17,54,057.35
Basement Area(sqm)	142367	88,312.4	142454	142005	10323	525461
Area To be demolished (BUA)/Existing BUA (sqm)	34,116	1,17,032	77432	1,60,097	7,162	3,95,839
No. of Floors	2B+G+6	2B+G+6	2B+G+6	2B+G+6	2B+G+6	-
Total No of Buildings	3	2	3	3	1	-
Maximum Height(m)	39	39	39	39	36.5	-
Total Parking provided	2425	1650	2425	2425	687	9612
Landscape Area (sqm)	3000	2000	3000	3000	2700	13,700
Total Employee Population	16,890	5090	14,960	14,960	400	52300

Particulars	CCS 1, 2,3	Conference Centre & CCS4	CCS 5,6,7	CCS 8,9,10	Raksha Bhawan	Overall
Floating Population	4,500	6000	4,500	4,500	300	19800
Project Cost (Rs. in Crore)	2990	1675	2990	2990	393	11038

- (iii) 12 Week Baseline Data has been collected during the months of February – June 2020, during non-monsoon period, leaving the period of lockdown due to COVID – 19.
- (iv) Total water demand for the project will be 6391 KLD, out of which fresh water requirement during Operation Phase will be 2304 KLD and it will be sourced from NDMC. No ground water will be abstracted.
- (v) Total wastewater generation will be 3542 KLD, which will be treated up to a tertiary level in Sewage Treatment Plants (STPs) of 3542 KLD capacities.
- (vi) During the operation phase, it is conservatively estimated that over the years, maximum MSW generation will be 14900 kg per day. OWC will be provided.
- (vii) Status of Litigation, if pending any: Yes, Litigation pending at the Honourable Supreme Court of India.
- (viii) Expected Power Requirement and proposed strategy for energy conservation: Expected Power Demand: 62,532 KW.
- (ix) Investment/Cost of the project: Rs.11038 Crores.
- (x) Employment potential: 52,300 nos.
- (xi) Benefits of the project: A consolidated Central Secretariat will improve productivity and efficiency through proximity and connectivity of ministries, which are well connected to Delhi's public transport and to each other through an internal people mover system. These new offices shall have purpose designed and well-organised workspaces, with robust and secure communications infrastructure and reliable and environmentally conscious services infrastructure. It shall take care of environmental comfort, and shall include well designed break-out spaces, social amenities and well-managed support facilities. The Central Conference Centre is an integral part of the Central Secretariat facility for the Government of India. A large central facility that caters to the conferencing needs of all the ministries adds to the same intent, enhanced by the provision of internal people-mover shuttles within this area.

The EAC noted that 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 State level. However, due to absence of SEIAA/SEAC in Delhi, the proposal has been appraised at Central level by sectoral EAC.

The Development/Redevelopment of Common Central Secretariat Buildings and Central Conference Centre are to be carried out by Central Public Works Department, Ministry of Housing and Urban Affairs, New Delhi. There will be proposed total built-up area of 17,54,057 sqm. Total area to be demolished is 3,95,839 sqm. The existing building will be demolished. The Committee also referred the representations received in the matter and requested project proponent to furnish point-wise replies to these representation at the time of submission of EIA-EMP report.

The EAC deliberated upon the information provided by the project proponent. After detailed deliberation, EAC recommended granting 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) Detailed demolition plan along with mitigative measures. Efforts to be made for instant demolition of latest technique in place of extended demolition to avoid air pollution during demolition process.
- (iii) An assessment of the cumulative impact of all development activities, proposed/being proposed with increased inhabitation shall be carried out within 10 km area of the core area.
- (iv) Assessment to be carried out for traffic densities and parking capabilities in 5 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning shall be submitted with the EIA. The Plan shall also include the consent of all the concerned implementing agencies.
- (v) For basement/excavation dewatering, permission from CGWA shall be submitted.
- (vi) Details of tree cutting/transplantation, if any.
- (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) Option analysis of onsite and off-site wastewater treatment generated during operational stage.
- (ix) Point –wise replies to representation against the project.
- (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.

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.

Agenda item No. 56.3.15.

Construction of Commercial Development with built area of 1,98,226.40 sqm at Survey no 40/1B/2, 40/2B/2, 41/1A/1B, 41/2A/1/1/A/B, 59/1A/1, 59/1A/2, 59/1A/3 and 59/3(Plot no. 7) in Kharadi, Pune, Maharashtra by M/s. Pune BP Development Pvt Ltd. - Terms of Reference

(IA/MH/MIS/177085/2020; F.No. 21-68/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s VK Environmental LLP made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The proposal is for Commercial Development at Survey no: 40/1B/2, 40/2B/2, 41/1A/1B, 41/2A/1/1/A/B, 59/1A/1, 59/1A/2, 59/1A/3 and 59/3(Plot no:7) in Kharadi, Pune, Maharashtra by M/s. Pune BP Development Pvt Ltd. (Latitude: 18°33'24.63"N , Toposheet no. 47/F /14, Longitude: 73°56'45.79"E)
- (ii) The proposed project is a commercial development. Proposed project comprises 2 commercial towers A & B with 30 nos. of offices and 5 No. of Shops and a Multilevel car park building. Population of 8,600 nos. is expected from the project. The Plot area is 30,955.00 sqm and total Built up area will be 1,98,226.40 sqm. The Building configuration will be Tower A (B+LP+UP+ G+ 13), tower B (B+LP+UP+ G+ 13) and Multilevel car park (B+LP+UP+ G+ 11).
- (iii) Total water requirement for Dry Season will be 539 KLD and Wet Season will be 503

KLD form Pune Municipal Corporation. No ground water extraction needed.

- (iv) Sewage generation will be 339 KLD which will be treated in STP of Capacity of 340kld (proposed for treating sewage). Technology of STP will be Moving bed biofilm reactor (MBBR).
- (v) Dry waste of 1290 kg/day will be generated. The dry waste will be segregated and hand over to authorized vendor. Wet waste of 860 kg/day will be generated. The wet waste will be treated on site in Organic waste converter. E-Waste of 3 kg/day will be generated. The E- waste will be segregated and hand over to authorized vendor. STP Sludge (dry) of 51kg/day will be generated. Dry Sludge will be used as manure for Gardening.
- (vi) Total 93 trees exist on site out of which 33 will be transplanted. 387 Number of trees will be planted as per required tree density of 1 per80 sqm of net plot area.
- (vii) During Construction Phase (Demand Load) will be 100 KW. During Operation phase Connected load will be 13647 KW and Demand load will be 7527 KW. Source of power supply will be Maharashtra State Electricity Distribution Company Limited (MSEDCL).
- (viii) For energy conservation use of LED with timers/dimmers comparing with CFL (non-conventional Method), Use of solar PV panel (conventional Method).
- (ix) Solar PV Panel + LED Light fittings will be done. Installed Capacity of Solar Panel is considered 1% of Demand Load.
- (x) Investment/Cost of the project is Rs. 1013.6 Crore.
- (xi) Employment potential: Proposed project is Commercial development project which consist offices and shops, due to this skilled and unskilled employment will be generated.
- (xii) Benefits of the project: The proposed project is commercial development supplementing Pune city's need for commercial and office spaces. The project lies eastward of Pune which is attracting economic activities such as IT, ITES, BT and automobile. The project will provide long term employment to skilled and unskilled people and during the phase of construction it will generate employment for labors. The project will take care to follow all development control norms of Pune city and environmental conditions of MOEFCC thereby ensuring that any environmental impacts will be mitigated through appropriate measures. With this project there will be substantial improvement in the overall economy of the local people in the form of additional income through employment.

The EAC noted that 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 State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC deliberated upon the information provided by the project proponent. After detailed deliberation, EAC recommended granting 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) An assessment of the cumulative impact of all development and increased inhabitation being carried out or proposed to be carried out by the project or other agencies in the core area, shall be made for traffic densities and parking capabilities in 5 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up

through an organization of repute and specializing in Transport Planning shall be submitted with the EIA. The Plan shall also include the consent of all the concerned implementing agencies.

- (iii) Permission from CGWA for abstraction of ground water, if any, for basement/excavation dewatering.
- (iv) Details of tree cutting/transplantation, if any.
- (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) Option analysis of onsite and off-site wastewater treatment generated during operational stage.
- (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.

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.

Day 2- Thursday, 22nd October, 2020

Agenda item No. 56.4.1.

Construction of residential and commercial development with built up area 13,38,628.65 at Village Majiwade, district Thane, Mumbai, Maharashtra by M/s Ananta Landmark Pvt. Ltd - Environmental Clearance

(IA/MH/NCP/173841/2020; F.No. 21-61/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Enviro Analysts & Engineers Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) Proposed project of residential and commercial development on plot bearing S.NO 5/3C (Pt), 113/1A, 114/1A, 114/2A at village Majiwade, Thane & proposed development on plot bearing S.NO. 185/1, 185/2, 185/3, 185/4, 185/5, 185/6, 185/7, 185/8, 185/9, 185/10, 185/11, 185/12, 185/13, 185/15A, 185/15B, 185/16, 185/17, 185/18, 185/19, 185/20, 185/21, 185/22, 185/23, 185/24, 185/27, 185/28, 185/29, 185/30, 185/31, 186/1A, 186/1B, 186/2, 186/3, 186/4, 186/5, 186/6, 186/7/1, 186/7/2, 186/8, 186/9, 186/10, 187/1, 187/2, 187/3, 187/4, 187/5, 187/6A, 187/6B, 187/6C, 187/7P, 187/7, 187/8, 187/9, 188/1, 188/2A, 188/2B, 188/2C, 188/3, 188/4, 188/5, 188/6, 188/7, 188/7, 188/8A, 188/8B, 188/9A, 188/9B, 188/9C, 188/10A, 188/10B, 188/10C, 188/11, 188/12, 188/13, 188/14, 188/15, 188/16, 188/17, 188/18, 189/1, 189/2, 189/3, 189/4, 189/5, 189/6, 189/7, 189/8, 190/3A, 190/3B, 190/3C, 190/4, 190/5, 190/6, 190/7, 199/1A, 199/4, 199/5, 201/1, 201/2, 201/3A, 201/3B, 201/4, 201/5, 201/6, 201/7, 201/8, 201/9, 202/1A, 202/1B, 202/2, 202/3, 202/4, 202/5, 203/1, 203/2, 203/3, 203/4A, 203/4B, 203/5, 203/6, 203/7, 203/8, 203/9A, 203/9B, 203/10A, 203/10B, 203/11, 203/12, 203/12, 203/13, 203/14, 203/15, 203/16, 203/17A, 203/17B, 203/18, 203/19, 203/20, 203/21, 203/22, 203/23A, 203/23B, 203/24, 203/25, 203/26, 203/27, 203/28, 203/29, 203/30, 203/31, 203/32, 204/1A, 204/1B, 204/2, 204/3, 204/4, 204/5, 204/6, 205/1, 205/2, 205/3, 205/4, 206/1, 206/2A, 206/2B, 206/3A, 206/3B, 206/4, 206/5, 206/6, 206/7, 206/8, 206/9, 206/10, 206/11, 207/1, 207/2B, 207/2A, 207/3, 207/4, 207/5A, 207/5B, 207/6A, 207/6B, 207/6C, 207/7, 207/8A, 207/8B, 207/9,

207/10, 209/1, 209/2, 209/3, 209/4, 210, 211/1A(Pt), 211/1B(Pt), 211/2, 211/3, 211/4, 211/5, 212/2B, 212/3C, 212/5(Pt), 213/1B, 213/2B, 213/3, 213/4, 213/5, 214/1, 214/2, 214/3, 215/1, 215/2, 216, 217/1, 217/2, 217/3, 217/4, 217/5, 217/6, 217/7, 217/8, 217/9, 217/10, 218/1, 218/2, 218/3, 218/4, 219/1, 219/2, 220/1, 220/4B, 220/6A & 6B, 220/7, 220/8, 220/3PT, 221/1, 221/2, 221/3, 224/7, 224/8, 224/9, 229/1/2B, 229/7/2, 229/8/2, 229/9/2, 171/4P, 172/2A, 172/7P, 172/8P, 172/9P, 172/10P AT VILLAGE BALKUM, THANE by M/s. Ananta Landmark Pvt. Ltd. Having Latitude from 19°12'57.95"N to 19°13'14.82"N and Longitude from 72°59'6.93"E to 72°59'20.46"E.

- (ii) Terms of Reference was granted by SEIAA, Maharashtra vide letter No. SIA/MH/NCP/51386/2020 dated 28.05.2020.
- (iii) The project is New. The details of the project are as follows:

S. No.	Description	Details	
1.	Total Plot Area in sqm.	2,98,380.00	
2.	Net plot area for the project under reference in sqm.	1,60,128.75	
3.	Proposed BUA in sqm.	FSI Component in sqm	6,40,515.00
		Non-FSI Component in sqm	6,98,113.65
		Total BUA in sqm.	13,38,628.65
4.	Buildings	Residential-Maximum Floors 53	18 Nos.
		Commercial	03 Nos.
		Retail	02 Nos.
		Club Houses	02 Nos.
		Multi Level Car Parks	02 Nos.
5.	Number of residential apartments	6992 Nos.	
6.	Commercial built up area in sqm.	1,72,090.00	
7.	Retail built up area in sqm.	6654.00	
8.	Maximum height of the building in m	156.10	

- (iv) The details of building are as follows:

Type	Configuration	Height of the Building meter
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 51 floors	150.3
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 51 floors	150.3
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 53 floors	156.1
Residential	Stilt + 51 floors	150.3
Residential	Stilt + 51 floors	150.3
MLCP 1	2B + Gr + 11 floors	34.05
MLCP 2	2B+ Gr + 12 floors	50.0
Commercial	2 B + Gr +3 Podiums + 21 floors	98.3
Commercial	2 B + Stilt +3 podiums + 22 floors	102.1
Commercial	2 B + Stilt + 3 podiums + 21 floors	98.3
Retail	2 B + Gr + 1 floor	8.4

Retail	2 B + Gr + 1 floor	8.4
Club 1	Gr+ 2 floors	10.5
Club 2	Gr+ 2 floors	10.5

- (v) During construction phase, total water requirement is expected to be 75 KLD which will be met by Tanker water. 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.
- (vi) During operational phase, total water requirement of the project is expected to be 6314 KLD and the same will be met by TMC. 3932 KLD fresh water from TMC and 2382 KLD Recycled Water. Wastewater generated (5277 KLD) will be treated in four STP of total 5310 KLD capacity. 2382 KLD of treated wastewater will be recycled and re-used (2126 KLD for flushing, 256 KLD for gardening etc.). About 2103 KLD will be disposed in to municipal drain.
- (vii) About 19.38 TPD solid wastes will be generated in the project. The biodegradable waste (7.75 TPD) will be processed in OWC and the non biodegradable waste generated (11.63 TPD) will be handed over to authorized local vendor.
- (viii) The total power requirement during various construction phases is 2000 KVA and will be met from MSEDCL and total power requirement during operation phase is 52,658 KVA and will be met from MSEDCL. DG set- Cumulative capacity of 34,350 kVA will be installed during operation phase.
- (ix) Rooftop rainwater of buildings will be Recharged in 41 nos. of Recharge pit total capacity 3238.90
- (x) Parking facility for 13,194 nos. four wheelers and 12,785 no's two wheelers is proposed.
- (xi) Proposed energy saving measures would save about 11 % of power for commercial and 16% of power for Residential.
- (xii) It is located within 10 km of Eco Sensitive Zone. The project is 2.66 km away from the notified ESZ of SGNP as per notification dated 16.09.2016 and 7.00 from proposed ESZ of Thane Creek Flamingo Sanctuary.
- (xiii) NBWL Clearance is not required.
- (xiv) Forest Clearance is not required.
- (xv) No Court case is pending against the project.
- (xvi) Green belt development: 32,025.75 sqm RG required and 32,025.75 sqm (provided) and Details of tree cutting: 419 of trees to be cut,
- (xvii) Expected timeline for completion of the project: 10 Years
- (xviii) Investment/Cost of the project is Rs 4647.44 Crores.
- (xix) Employment potential: 100 nos. shall be provided with temporary housing facilities Around 200 nos. labors will come to site during peak construction phase. This is a Residential cum Commercial project 'which will create 10,000 nos. direct employment and 15000 nos. indirect employment during the operation phase.
- (xx) Benefits of the project: The project will provide many facilities for improvement of the physical environment. This is a well-designed project and uses the sustainable development policy. The project provides an employment opportunity for the local community, as tender specification for construction and operation would include a favourable employment opportunities for the locals.

The EAC noted that 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 State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC was informed that there are existing sheds which will be demolished. Demolition will be done with due permission from local body and C&D waste handling guidelines. Demolition will be done as per C&D Waste Management Rules 2016. Large number of tree exists within site with small stream from the site. The EAC after detailed deliberation on the proposal asked the project proponent to submit following:

- (i) Details of Demolition indicating area and detailed Demolition Plan for existing building.
- (ii) Details of tree Plantation and green area Development.
- (iii) Water balance to be revised in order to meet the Zero Liquid Discharge.
- (iv) Biodiversity management Plan for migratory birds.
- (v) Proper drain management plan.
- (vi) Proper Plan for energy conservation.

Agenda item No. 56.4.2.

Construction project Treeland with built up area 1,96,501.85 sqm at Sr. No. 21/1+3/5+21/1+3/6+21/1+3/9 +24+25/1+25/2 +167+28/1/2/1+28/1/2/2+26/1, Gangapur Shiwar, Behind Hira Baug, Gangapur Road, Nashik, Maharashtra by M/s. ABH Developers Pvt. Ltd. - Environmental Clearance

(IA/MH/NCP/173717/2020; F.No. 21-62/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Enviro Analysts and Engineers Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at Latitude: 20° 1'14.64"N and Longitude: 73°44'0.95"E at Sr. No. 21/1+3/5+21/1+3/6+21/1+3/9 +24+25/1+25/2 +167+28/1/2/1+28/1/2/2+26/1, Gangapur Shiwar, Behind Hira Baug, Gangapur Road, Nashik, Maharashtra
- (ii) Terms of Reference was granted by SEIAA, Maharashtra vide letter No. SIA/MH/NCP/50625/2020 dated 29.05.2020.
- (iii) The project is New. The total plot area is 64,130.00 sqm, FSI area is 1,14,411.34 sqm and total construction (Built-up) area of 1,96,501.85 sqm. The project will comprise of 17 No. of Buildings 17 No. of shops and 75 no. of offices with Club House. Total 920 flats shall be developed. Maximum height of the building is 69.8 m. The details of building are as follows:

Building Name	Number of floors	Tenements	Height of Building in meter
A Wing	Lower Ground + Ground +19 Floor	38	60.00
B Wing	Basement+Ground+1st Podium+2nd Podium+21 Floor	42	69.8
C Wing	Basement+Ground+1st Podium+2nd Podium+21 Floor	84	69.8
D Wing	Basement+Ground+1st Podium+2nd Podium+21 Floor	84	69.8

E Wing	Basement+Ground+1st Podium+2nd Podium+21 Floor	84	69.8
F Wing	Basement+Ground+1st Podium+2nd Podium+21 Floor	84	69.8
G Wing	Basement+Ground+1st Podium+2nd Podium+21 Floor	84	69.8
H Wing	Basement+Ground+1st Podium+2nd Podium+21 Floor	84	69.8
I Wing	Basement+Ground+1st Podium+2nd Podium+21 Floor	84	69.8
J Wing	Basement+Ground+1st Podium+2nd Podium+21 Floor	84	69.8
K Wing	Basement+Ground+1st Podium+2nd Podium+21 Floor	84	69.8
L Wing	Basement+Ground+1st Podium+2nd Podium+21 Floor	84	69.8
M Wing	Commercial Ground+Mezzanine+3 Floors	13Shops 60 Offices	15.00
N Wing	Commercial Ground+Mezzanine+3 Floors	5 Shops 15 Offices	15.00
O Wing	Lower Ground +Ground + 1Floor	Club House	8.25
P Wing	Ground +1 Floor	Club House	6.45
Q Wing	Ground+1 Floor	Club House	9.00

- (iv) During construction phase, total water requirement is expected to be 10-12.KLD which will be met by tanker. During the construction phase, Mobile toilets will be provided for disposal of waste water. Temporary sanitary toilets i.e. mobile toilets will be provided during peak labor force.
- (v) During operational phase, total water requirement of the project is expected to be 895 KLD and the same will be met by 536 KLD fresh water from Nashik Municipal Corporation and 687 KLD Recycled Water. Wastewater generated (724 KLD) will be treated in 1 No. of STP of total 800 KLD capacity.165 KLD of treated wastewater will be recycled and re-used (268 for flushing, 80 for gardening). About 339 KLD will be disposed in to municipal drain.
- (vi) About TPD solid wastes will be generated in the project. The biodegradable waste (1.85 TPD) will be processed in OWC and the non- biodegradable waste generated (1.39 TPD) will be handed over to authorized local vendor.
- (vii) The total power requirement during construction phase is 100 KVA and will be met from DG set or MSEDCL and total power requirement during operation phase is 6840 KVA and will be met from MSEDCL.
- (viii) Rooftop rainwater of buildings will be collected along with surface rainwater and harvesting will be done by proposing 12 Nos. of RWH pits of size 1.2 m x 1.2 m x 2.5 m. Parking facility for 1971 four wheelers and 2877 two wheelers is proposed to be provided against the requirement of 1971 and 2877.respectively (according to local norms).
- (ix) Proposed energy saving measures would save about 11 % of power.
- (x) NBWL Clearance is not required. Forest Clearance is not required.
- (xi) No Court case is pending against the project.

- (xii) There are 51 Nos. of trees existing at the site. All trees will be retained and no tree will be cut/transplanted.
- (xiii) Expected timeline for completion of the project: Approx. 5 years.
- (xiv) Investment/Cost of the project is Rs. 188.21 Cr. (Crore).
- (xv) Employment potential.100 Nos.
- (xvi) Benefits of the project: Will create affordable residential facility, job opportunity for support staff like Security, Maintenance, household workers etc.

The EAC noted that 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 State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC took note of the submission made by the project proponent and noted that the proposed project site is abating the River Godavari and the boundary is only 20 mt away from the river. The EAC also expressed serious concern on this issue as the sewage generated from the project and treated water disposal might be an issue in case of non-operation of the STP. The EAC after detailed deliberation asked the project proponent to submit following:

- (i) Demarcation of Flood Zone line duly certified by concerned irrigation Department. Overlap area of site with flood zone to be demarcated.
- (ii) Details of existing Sewage system in the locality and feasibility to use the existing sewage system of the Municipality rather to propose dedicated STP. Option analysis to be made for onsite and offsite treatment system.
- (iii) Details of solid waste management within site and or management with municipality.
- (iv) Proper plan for energy conservation.

Agenda item No. 56.4.3.

Residential Apartment Project with 1200 flats with built up area 55,492.03 sqm at Western Portion of Survey No.195/5, Chikkanagamangala, Sarjapur Hobli, Anekal Taluk, Bengaluru by M/s. Shanders Properties Pvt. Ltd. - Environmental Clearance

(IA/KA/NCP/171710/2020; F.No. 21-63/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Samrakshan, Bangalore made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at Latitude 12° 51' 02.78" N & Longitude 77° 41' 13.06" E.
- (ii) The project is new development. The total plot area is 18912 sqm (4 Acres 27.0 Guntas) FSI area is 42,549.13 sqm and total construction (Built-up) area of 55,492.03 sqm. The project will comprise of 2 Blocks both consisting of Basement, Ground and 4 floors. Total 1200 flats shall be developed. Maximum height of the building is 14.95 m. The details of building are as follows:

S. No	Floor	Built up area in sqm		Number of flats
		Block 1	Block 2	
1	Basement	8726.16	2673.83	Parking
2	Ground Floor	6754.90	2010.48	240
3	First floor	6705.71	2010.48	240
4	Second floor	6705.71	2010.48	240

5	Third floor	6705.71	2010.48	240
6	Fourth floor	6705.71	2010.48	240
7	Terrace	372.46	89.44	Utilities
8	Total	42676.36	12815.67	-
Grand Total		55,492.03		1200

- (iii) During construction phase, total water requirement is expected to be 30 KLD which will be met by Shanthipura Grama Panchayath Sources. During the construction phase, Package STP of 30 KLD capacity will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labor force.
- (iv) During operational phase, total water requirement (after recycling) of the project is expected to be 323 KLD out of it 192 KLD is fresh water to be drawn from Shanthipura Gram Panchayath / Bore well sources and 131 KLD Recycled Water. Wastewater generated (432 KLD) will be treated in STP of 450 KLD capacity. 432 KLD of treated wastewater will be recycled and re-used (toilet flushing (157 KLD), landscape development (48 KLD), car washing (28 KLD), paved area washing (4 KLD), part will be recycled and used for secondary purposes (131 KLD). Excess will be utilized for avenue plantation and construction activities (64 KLD).
- (v) About 1.392 TPD solid wastes will be generated in the project. The biodegradable waste (0.836 TPD) will be processed in OWC and the non-biodegradable waste generated (0.556 TPD) will be handed over to authorized local vendor.
- (vi) The total power requirement during construction phase is 50 KVA and will be met from BESCO and total power requirement during operation phase is 4500 KVA and will be met from BESCO
- (vii) Rooftop rainwater of buildings will be collected in 250 cum capacity RWH tanks for harvesting after filtration.
- (viii) Parking facility for 794 four wheelers and 200 two wheelers is proposed to be provided against the requirement of 762 and 190 respectively (according to local norms).
- (ix) Proposed energy saving measures would save about 28.61 % of power. About 20% of car parking spaces will be reserved for electric cars with necessary facilities. Solar power generation plant at terrace to a size of 2000 Sqm to supply power back to Grid will be implemented. Solar hot water generation facility is also proposed.
- (x) It is not located within 10 km of Wildlife Sanctuary. NBWL Clearance is not required.
- (xi) Forest Clearance is not required.
- (xii) No Court case is pending against the project.
- (xiii) An area of 6,846.62 sqm (36.20%) is earmarked for landscape development in the project. About 235 trees of native / indigenous species will be planted at site.
- (xiv) Project is expected to be completed by 2023.
- (xv) Investment/Cost of the project is Rs. 101 Crores.
- (xvi) Employment potential - During construction about 300 workers will be engaged for construction activities. Employment will be provided for about 100 persons during occupancy phase of the project.
- (xvii) Benefits of the project - Fulfilling housing necessity of the region and direct / indirect employment opportunities during construction and operation phase of the project.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Karnataka, the proposal has been appraised at Central level by sectoral EAC.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from Shanthipura Gram Panchayath / Bore well shall not exceed 192 KLD during operational phase and necessary permission shall be obtained. No ground water shall be abstracted without prior permission from CGWA.
- (iii) The wastewater will be treated in house in STP of advance treatment technology having 450 KLD capacity. The treated water shall be used for flushing, landscape development, car washing, paved area washing, part will be recycled and used for secondary purposes. As proposed, excess treated water shall be utilized for avenue plantation and construction activities and no treated water shall be disposed to municipal drain.
- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) 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. As proposed, Rain water storage sump of 250 cum capacity will be constructed to collect the roof top rain water and will be reused for domestic purposes. Rain water from open space shall be discharge to 24 nos. rain water harvesting recharge pit for rain water harvesting after filtration as per CGWB guidelines.
- (vi) Bio-degradable shall be composted in Organic Waste Converter. As proposed 93 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.
- (vii) No tree felling/transplantation has been proposed in the instant project. As proposed, total area of 88381 sqm (21.9% of net plot area) shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.4.4.

Construction of Residential and Commercial Project with built up area 71388.96 sqm at Sy No 37, Keshavnagar, Pune by M/s Unique Triaa Ventures - Environmental Clearance (IA/MH/NCP/175025/2020; F.No. 21-64/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Terracon Ecotech Pvt Ltd made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at 18°31'55.0"N Latitude and 73°56'37.5"E Longitude
- (ii) The project is new. The total plot area is 15800 sqm, FSI area is 39150.74 sqm and total construction (Built-up) area of 71388.96 sqm. The project will comprise of 13 Buildings. Total 521 flats and 4 shops shall be developed. Maximum height of the building is 38.40 m. The details of building are as follows:

Building "A"	B+P+12
Building "B"	B+P+12
Building "C"	B+P+12
Building "D"	B+P+12
Building "E"	B+P+12
Building "F"	B+P+12
Building "G"	B+P+12
Building "H"	B+P+12
Building "I"	B+P+12
Building "J"	B+P+12
Building "K"	B+P+2
MHADA	G+7
Club House	G+1

- (iii) During construction phase, total water requirement is expected to be 24 KLD which will be met by Tanker water. During the construction phase, soak pits and septic tanks will be provided for disposal of wastewater. Temporary sanitary toilets will be provided during peak labour force
- (iv) During operational phase, total water requirement of the project is expected to be 378.98 KLD and the same will be met by 245.73 KLD fresh water from Pune Municipal Corporation (PMC) and 133.25 KLD Recycled Water. Wastewater generated (318.58 KLD) will be treated in two STPs of total 325 KLD capacity. 133.25 KLD of treated wastewater will be recycled and re-used (118.25 for flushing, 15 for gardening etc.). About 169.40 KLD will be disposed into municipal drain.
- (v) About 1317 kg/day solid wastes will be generated in the project. The biodegradable waste (787 kg/day) will be processed in OWC and the nonbiodegradable waste generated (530 kg/day) will be handed over to authorized local vendor
- (vi) The total power requirement during construction phase is 35 KVA and will be met from DG Set/State Electricity Board and total power requirement during operation phase is 1735.25 kW and will be met from State Electricity Board.
- (vii) For rainwater harvesting 14 recharge pits of size 2.50 x 2.50 x 1.25 meter Bore well 0.90-meter diameter and 1 meter depth silting chamber are provided
- (viii) Parking facility for 555 four wheelers and 1110 two wheelers is proposed to be provided against the requirement of 554 and 1106 respectively (according to local norms).
- (ix) Proposed energy saving measures would save about 20% % of power
- (x) It is not located within 10 km of Eco Sensitive Zone. NBWL Clearance is not required.
- (xi) Forest Clearance is not required.

- (xii) No Court case is pending against the project.
- (xiii) Green belt development and Details of tree felling/transplantation
- (xiv) Expected timeline for completion of the project: Within 5 years
- (xv) Cost of the project is Rs 99.00 Crore
- (xvi) Employment potential 1500
- (xvii) Benefits of the project: Project is designed considering all the environmental aspect of the site which include plantation of local species trees and proper treatment and disposal of water waste and solid waste. The project will aid improvement of life standards of the people staying in the area. The development and operation of the Project will provided employment opportunities for professionals and labours.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from Pune Municipal Corporation shall not exceed 245.73 KLD during operational phase and necessary permission shall be obtained.
- (iii) The wastewater will be treated in house in two STP of advance treatment technology having total 325 KLD capacity. The treated water shall be used for flushing and gardening etc. Only excess treated wastewater, not more than 50 % of treated wastewater, shall be considered for discharge after meeting the standard. Proper flow measuring devices are to be installed at outlet points.
- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) 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. As proposed, 14 no. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (vi) Bio-degradable shall be composted in Organic Waste Converter. As proposed 98 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.

- (vii) No tree felling/transplantation has been proposed in the instant project. As proposed, total area of 1487.91 sqm (10% of net plot area) shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.4.5.

Construction of Residential cum Commercial project with built up area of 33,522.11 sqm on plot bearing S. No. 146/1/A/1, 146/5/A/3, 147/1/A/3, 148/2/A/1, 148/6/A, 149/1/A, 149/2/A, Village Panchpakhadi, Taluka & District Thane, Maharashtra by Om Divine Buildcon LLP. - Environmental Clearance

(IA/MH/NCP/176585/2020; F.No. 21-65/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Mahabal Enviro Engineers Pvt. Ltd made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at 19^o12'28.47"N Latitude and 72^o57'34.55"E Longitude.
- (ii) The project is new for construction of Residential cum commercial Building on plot bearing S. No. 146/1/A/1, 146/5/A/3, 147/1/A/3, 148/2/A/1, 148/6/A, 149/1/A, 149/2/A, village Panchpakhadi, Thane (W), Tal & Dist. Thane, Maharashtra by OM DIVINE BUILDCON LLP
- (iii) The total plot area is 8,346.61 sqm. FSI area is 14,669.65 sqm and total construction area is 33,522.11 sqm. The project comprise of 1 Residential cum commercial building having 154 flats & Commercial area of 6,357.52 sqm. Maximum height of the building is 97.10 m. The details of the Bldg. is as follows:

Building	Building Configuration	Nos. of flats and Comm area (sqm)	Height (m)
Residential cum Commercial bldg.	G+3P +1 st to 26 and 27 th (pt) floor	Flats: 154 Nos. & Commercial area: 6,357.52 sqm	97.10

- (iv) During construction phase, total water requirement is expected to be 50 KLD which will be met by tanker water/ treated water from nearby STP. 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.
- (v) During operational phase, total water demand of the project is expected to be 135 KLD and same will be met by 87 KLD fresh water from Thane Municipal Corporation (TMC) and 48 KLD recycled water. Wastewater generated (125 KLD) will be treated in 1 STP of 150 KLD capacity. 48 KLD and 8 KLD of treated water will be recycled for flushing and gardening respectively. About 68 KLD treated water will be discharged into the Municipal sewer lines.
- (vi) About 524 kg/d solid waste will be generated in the project. The biodegradable waste (314 kg/d) will be processed in mechanical composting and the non-biodegradable waste generated (210 kg/d) will be handed over to authorized local vendor/ Municipal collection system.
- (vii) The total power requirement during construction phase is 50 kVA and will be met from MSEDCL and Total power requirement during operation phase (Demand load) is 1.1 MW and will be met from MSEDCL.

- (viii) Rooftop rainwater of building will be collected in RWH tank of total 30 m³ capacity for harvesting after filtration.
- (ix) Parking facilities for 358 nos. of four wheelers and 492 nos. of two wheelers are proposed to be provided against the requirement of 355 nos of four wheelers and 492 nos of two wheelers respectively (according to local norms).
- (x) Proposed energy saving measures would save about 21.4 % of (Total demand) power.
- (xi) The project site is located at distance of 1.2 km from the Sanjay Gandhi National Park (SGNP) protected area. However, the site is outside of the ESZ (i.e. 100 m) of SGNP as notified vide Notification No. S. O. 3645 (E) dated 05.12.2016. Also, Project site is located within the 10 of Thane creek flamingo sanctuary (TCFS) at a distance of 4.0 km from the protected area of TCFS. It is also out of the proposed draft ESZ of TCFS vide notification published by the MoEF&CC dt. 06.11.2019. NBWL clearance is not required for SGNP as per the ESZ notification of SGNP, vide no. S. O. 3645 (E) dated 05.12.2016, as project site is outside of ESZ i.e. (100 m) at a distance of 1.2 km.
- (xii) Forest Clearance is not as no Forest land is involved in the project.
- (xiii) There is no court case pending against the project
- (xiv) Greenbelt/Recreational ground requirement as per the rule (local norms) is 1,504.78 sqm and 1,521.42 sqm will be provided. There are existing 76 nos. of trees on site, out of which 36 nos. will be cut, 16 nos. will be transplanted, 24 nos. will be retained and 272 nos. of new trees will be planted.
- (xv) The project will be completed within 4-5 years.
- (xvi) Investment/Cost of the project is Rs. 80 Crores.
- (xvii) Employment potential: During construction: 100 Nos. During Operation: 50 Nos. (Household activity/ ancillary services) + 600 (Commercial Jobs)
- (xviii) Benefits of the project: The proposed project will be giving the good quality of livelihood to people. The project will generate employment (employment for household activity and commercial 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.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from Thane Municipal Corporation shall not exceed 87 KLD during operational phase and necessary permission shall be obtained.
- (iii) The wastewater will be treated in house in STP of advance treatment technology having 150 KLD capacity. The treated water shall be used for flushing and gardening etc. Only excess treated wastewater shall be considered for discharge after meeting the standard. Proper flow measuring devices are to be installed at outlet points.

- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) 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. As proposed, 1 no. of rain water harvesting storage tank shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (vi) Bio-degradable 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. The inert waste from project will be sent to designated/authorized landfill site.
- (vii) As proposed, a total of 36 nos. of trees will be cut and 16 nos. of trees will be transplanted will be felled/cut for which the permission from Tree Authority constituted as per the Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 shall be obtained. However, tree cutting/transplantation should be taken where absolutely necessary. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted). In case of cut/non-survival of any transplanted tree, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree) shall be done and maintained.
- (viii) As proposed, total area of 1521.42 sqm shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.4.6.

Construction of Central Paark” Residential building with built up area of 57,715.34 sqm at Sy No. 759/A/2+759/A/3+759/A/4, Nashik Shiwar, Nashik, Maharashtra by M/s Bhavik & Khetwani Ventures LLP - Environmental Clearance

(IA/MH/NCP/174609/2020; F. No. 21-66/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Enviro Analysts and Engineers Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at Latitude: 19°59'14.51"N and Longitude: 73°45'36.85"E
- (ii) The project is New Project. The total plot area is 13,100 sqm, FSI area is 36,160.00 sqm and total construction (Built-up) area of 57,715.34 sqm. The project will comprise of 10 Buildings with Club House. Total 672 flats shall be developed. Maximum height of the building is 60 m. The details of building are as follows:

Building Name & number	Number of floors	No. of Tenements	Max Height of the building (m)
Wing A	G+P +16	64	54.0
Wing B	G+P +16	64	54.0

Building Name & number	Number of floors	No. of Tenements	Max Height of the building (m)
Wing C	G+P +16	64	54.0
Wing D	G+P +18	72	60.0
Wing E	G+P +18	72	60.0
Wing F	G+P +18	72	60.0
Wing G	G+P +18	72	60.0
Wing H	G+P +16	64	54.0
Wing I	G+P +16	64	54.0
Wing J	G+P +16	64	54.0
Club House	G+1	-	
	TOTAL	672	

- (iii) During construction phase, total water requirement is expected to be 10-12.KLD which will be met by tanker. During the construction phase, Mobile toilets will be provided for disposal of waste water. Temporary sanitary toilets i.e. mobile toilets will be provided during peak labor force.
- (iv) During operational phase, total water requirement of the project is expected to be 471 KLD and the same will be met by 306 KLD fresh water from Nashik Municipal Corporation and 165 KLD Recycled Water. Wastewater generated (417 KLD) will be treated in 1 No. of STP of total 420 KLD capacity.165 KLD of treated wastewater will be recycled and re-used (158 for flushing, 07 for gardening). About 210 KLD will be disposed in to municipal drain.
- (v) About 1.5 TPD solid wastes will be generated in the project. The biodegradable waste (1.05 TPD) will be processed in OWC and the non-biodegradable waste generated (0.46TPD) will be handed over to authorized local vendor.
- (vi) The total power requirement during construction phase is 100 KVA and will be met from DG set or MSEDCL and total power requirement during operation phase is 1185 KVA and will be met from MSEDCL.
- (vii) Rooftop rainwater of buildings will be collected along with surface rainwater and harvesting will be done by proposing 7 Nos. of RWH pits of size 1.2 m x 1.2 m x 2.5 m. Parking facility for 479 four wheelers and 921 two wheelers is proposed to be provided against the requirement of 479 and 921.respectively (according to local norms).
- (viii) Proposed energy saving measures would save about 10.8 % of power.
- (ix) It is not located within 10 km of Eco Sensitive Zone. NBWL Clearance is not required.
- (x) Forest Clearance is not required.
- (xi) No Court case is pending against the project.
- (xii) Greenbelt/Recreational ground requirement as per the rule (local norms) is 1310.36 sqm and we have provided 1310.36 sqm. There are existing 34 nos. of trees on site, out of which 30 nos. will be cut/transplanted, 4 nos. will be retained and 174 nos. of new trees will be planted.
- (xiii) Expected timeline for completion of the project is approx 5 years.
- (xiv) Investment/Cost of the project is Rs. 101.67 Crore.
- (xv) Employment potential.150 Nos.

- (xvi) Benefits of the project: Will create affordable residential facility, job opportunity for support staff like Security, Maintenance, household workers etc.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

It was also informed to the EAC that this is the proposed project at S.No.759/A/2+3+4/B of Nashik Shiwar, Nashik. Maharashtra PP has proposed Residential development with 10 wings and club house. The site can be accessed from 9m and 30m wide DP road. The total plot area is 13,100 sqm, FSI area is 36,160 sqm and total construction (Built-up) area of 57,715.34 sqm. Part sanction/approval obtained from NMC for FSI area 12914.83 sqm vide sanction dated 05.11.2019. Total Construction area for the same is worked out to be 19,257.51 sqm. Water supply and drainage connection is committed by Nashik Municipal Corporation.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from Nashik Municipal Corporation shall not exceed 306 KLD during operational phase and necessary permission shall be obtained.
- (iii) The wastewater will be treated in house in STP of advance treatment technology having 420 KLD capacity. The treated water shall be used for flushing and gardening etc. Only excess treated wastewater upto 210 KLD shall be considered for discharge after meeting the standard. Proper flow measuring devices are to be installed at outlet points.
- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) 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. As proposed, 7 no. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (vi) Bio-degradable shall be composted in Organic Waste Converter. As proposed 65 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.
- (vii) Total of 30 nos. of trees will be transplanted for which the permission from Tree Authority constituted as per the Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 shall be obtained. However, tree cutting/transplantation should be taken where absolutely necessary. Old trees should

be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted). In case of cut/non-survival of any transplanted tree, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree) shall be done and maintained.

- (viii) As proposed, total area of 1310.36 sqm (10% of net plot area) shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.4.7.

Building Construction Project “K Town” with built up area of 1,41,459.93 sqm at S. No. 39, Near Mukai Chowk, Kiwale, Pune by M/s. Unique AMS Spaces LLP - Environmental Clearance

(IA/MH/NCP/175365/2020; F.No. 21-74/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Terracon Ecotech Pvt Ltd made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at 18°39'57.0"N Latitude and 73°43'48"E Longitude.
- (ii) The project is new. The total plot area is 41,387.00 sqm, FSI area is 74,608.37 sqm and total construction (Built-up) area of 1,41,459.93 sqm. The project will comprise of 13 Buildings. Total 1077 flats and 143 shops shall be developed. Maximum height of the building is 45.15 m. The details of building are as follows:

Building “A1”	B + G + 14
Building “A2”	B + G + 14
Building “A3”	B + G + 14
Building “A4”	B + G + 14
Building “B1”	B + G + 14
Building “B2”	B + G + 14
Building “B3”	B + G + 14
Building “C1”	B + G + 14
Building “C2”	B + G + 14
Building “D”	G + 6
Building “E”	G + 14
Building “F”	G+1
Club House	G + 1

- (iii) During construction phase, total water requirement is expected to be 24 KLD which will be met by Tanker water. During the construction phase, soak pits and septic tanks will be provided for disposal of wastewater. Temporary sanitary toilets will be provided during peak labour force
- (iv) During operational phase, total water requirement of the project is expected to be 818.60.00 KLD and the same will be met by 502.47 KLD fresh water from Pune Municipal Corporation (PMC) and 306.13 KLD Recycled Water. Wastewater generated (689.15 KLD) will be treated in STP of total 750 KLD capacity. 306.13 KLD of treated

wastewater will be recycled and re-used (263.25 for flushing, 43 for gardening etc.). About 314.11 KLD will be disposed into municipal drain.

- (v) About 2828 kg/day solid wastes will be generated in the project. The biodegradable waste (1676 kg/day) will be processed in OWC and the nonbiodegradable waste generated (1152 kg/day) will be handed over to authorized local vendor
- (vi) The total power requirement during construction phase is 35 KVA and will be met from DG Set/State Electricity Board and total power requirement during operation phase is 3224.78 kW and will be met from State Electricity Board.
- (vii) For rainwater harvesting 14 recharge pits of 2 x 2 x 2 meter Bore well 0.180 meter diameter and 60 meter depth silting chamber 1x 1 x 1 are provided
- (viii) Parking facility for 650 four wheelers and 2484 two wheelers is proposed to be provided against the requirement of 650 and 2484 respectively (according to local norms).
- (ix) Proposed energy saving measures would save about 21.30 % of power
- (x) It is not located within 10 km of Eco Sensitive Zone. NBWL Clearance is not required.
- (xi) Forest Clearance is not required.
- (xii) No Court case is pending against the project.
- (xiii) Expected timeline for completion of the project: Within 5 years.
- (xiv) Cost of the project is Rs. 162.00 Crore
- (xv) Employment potential: 1500 Nos.
- (xvi) Benefits of the project: Project is designed considering all the environmental aspect of the site which include plantation of local species trees and proper treatment and disposal of water waste and solid waste. The project will aid improvement of life standards of the people staying in the area. The development and operation of the Project will provided employment opportunities for professionals and labours.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from Pune Municipal Corporation shall not exceed 502.47 KLD during operational phase and necessary permission shall be obtained.
- (iii) The wastewater will be treated in house in STPs of advance treatment technology having 750 KLD capacity. The treated water shall be used for flushing and gardening etc. No treated water shall be discharged to Municipal drain and excess wastewater should be considered for other consumptive purposes within site or if required to other purposes with dedicated line only.

- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) 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. As proposed, 14 no. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (vi) Bio-degradable shall be composted in Organic Waste Converter. As proposed 310 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.
- (vii) No tree felling/transplantation has been proposed in the instant project. As proposed, total area of 7,007.87 sqm shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.4.8.

Construction of Marvel Ribera” with Built-up Area 23,636.97 sqm at CTS no. 199+F. No 201 sub plot no A, Sangamwadi TPS (Boat Club Road), Pune, Maharashtra by M/s Marvel Sigma Homes Pvt. Ltd. - Environmental Clearance

(IA/MH/MIS/176661/2020; F.No. 21-72/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s VK:e Environmental made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at 18°32’23.09’’N Latitude and 73°52’34.78’’E Longitude.
- (ii) The project is new. The total plot area is 5,431.23 sqm, FSI area is 10,714.96 sqm and total construction (Built-up) area of 23,636.97 sqm. The project will comprise of 1 No Buildings. Total 37 Nos. flats shall be developed. Maximum height of the building is 51.15 m. The details of building are as follows:

Building Name	Configuration	Height (m)
Building A	B1 + B2 + GF+ 16 Floors	51.15

- (iii) During construction phase, total water requirement is expected to be 10 KLD which will be met by Private Water 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 labor force.
- (iv) During operational phase, total water requirement of the project is expected to be 33 KLD and the same will be met by 22 KLD fresh water from Pune Municipal Corporation and 18 KLD Recycled Water. Wastewater generated (31 KLD) will be treated in 1 No STPs of total 35 KLD capacity. 18 KLD of treated wastewater will be recycled and re-used (11 KLD for flushing, 07 KLD for gardening etc.). About 11 KLD will be disposed in to municipal drain.
- (v) About 0.123 TPD solid wastes will be generated in the project. The biodegradable

waste (0.074 TPD) will be processed in OWC and the non- biodegradable waste generated (0.049 TPD) will be handed over to authorized local vendor.\

- (vi) The total power requirement during construction phase is 116.25 KVA and will be met from DG Set and total power requirement during operation phase is 425.19 KVA and will be met from Transformer.
- (vii) Rooftop rainwater of buildings will be collected in 2 no of RWH pits one for surface water collection and one is for roof water collection having capacity 4.57 m³/ day.
- (viii) Parking facility for 192 Nos. four wheelers and 78 Nos. two wheelers is proposed to be Provided against the requirement of 117 Nos. and 78 Nos. respectively (according to local norms).
- (ix) Proposed energy saving measures would save about 23.29% of power.
- (x) It is not located within 10 km of Eco Sensitive Zone. NBWL Clearance is not required.
- (xi) Forest Clearance is not required.
- (xii) No Court case is pending against the project.
- (xiii) Investment/Cost of the project is Rs.60.00 (Crore)
- (xiv) Employment potential: 100 nos.
- (xv) Benefits of the project: The Project creates a social infrastructure for local peoples.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC noted that the construction work was started on the site as the Built-up area was 13,296.40 sqm (added FSI Area 6345.42 sqm) which is within 20,000 sqm as per old Sanctioned Layout dated 11.08.2016. As on date work is stopped on site. It was also noted that the project proponent has not mentioned any details of present construction in the application also copy of Form-1, 1-A and Conceptual Plan was not submitted. The EAC after detailed deliberation asked PP to apply afresh application along with Form-1, 1-A and Conceptual Plan mentioning the details of existing construction and approval obtained for the same and returned the proposal in original.

Agenda item No. 56.4.9.

Construction of 171 Nos. (T/II- 119, T/III-24, T/IV- 10 & T/V-18) family quarters & 01-180 Men barracks, Phase 1 with built area of 30,003.48 sqm (6,562 sqm existing + 23,441.48 sqm proposed) at 55 BN, BCS Bawana, CRPF, New Delhi by M/s Central Reserve Police Force, Bawana - Environmental Clearance

(IA/DL/MIS/173639/2020; F.No. 21-73/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Ind Tech House Consult, Delhi made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at 28°48'33.97" N Latitude and 77°02'48.51" E longitude.
- (ii) This is a New Project of Existing CRPF Campus. The existing permanent structure in the project site includes six number of G+1 quarters for guards (having built-up area 6562 sqm). The proposed development is new.

- (iii) The total plot area is 4,28,967 sqm and Pocket area for phase 1 is 69,146.4 sqm, FSI area is 26,060.695 sqm (6568 sqm existing and 19,498.695 sqm proposed) and total construction (Built-up) area of 30,003.48 sqm (6568 sqm existing and 23,441.48 sqm proposed). Total 171 DU's & 1-180 men's Barrack will be developed.

Plot Area Details		
Total Plot Area	428967	sqm
Plot area for which land use has not been changed	36421.7	sqm
Area deduction under road widening	14643.32	sqm
Net Plot Area	392559	sqm
Existing Project		
Six Residential Building (quarters for guards)	6	
ESS		
Offices/ Admin (Temporary Structures)		
Barracks (Temporary Structures)		
Play/ drill/ exercise grounds		
Proposed Project		
To be Developed in 04 pockets	P1, P2, P3, P4	
180 Mens Barrack + Admin Block	P1	G+3
Type II Full residential Quarters	P2	G+9
Type II Half residential Quarters		G+9
Type III Residential Quarters		G+5
Type IV & Type V Residential Quarters	P3	S+9
Sports Field (Green area)	P4	
Pocket Area		
Area under pocket P1	11736.24	sqm
Area under pocket P2	46697.7	sqm
Area under pocket P3	6948.74	sqm
Area under pocket P4	3763.72	sqm
Total area under four pockets	69146.4	sqm
Buildup Area		
Existing	6562	sqm
Proposed (FAR + Non FAR + Stilt)	23441.48	sqm
Total BUA	30003.48	sqm
Dwelling Units		
Proposed DUs (As type II, III, IV and V)	171	Nos
Proposed Barrack	1	Nos.

- (iv) During construction phase, total water requirement is expected to be 5 KLD which will be met from treated water supply. 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.
- (v) During operational phase, total water demand of the project is expected to be 118 KLD and the same will be met by 75 KLD fresh water from Delhi Jal Board (DJB) and 43 KLD Recycled Water. Wastewater generated (84 KLD) will be treated in STP of 100 KLD capacity. 43 KLD of treated wastewater will be recycled (23 for flushing, 19.27 for gardening). 32 KLD treated waste water will be used for construction/Roadside Green and Public Parks.

- (vi) About 0.55 TPD solid waste will be generated in the project. The biodegradable waste (0.33 TPD) will be processed in OWC and the non-biodegradable waste generated (0.23 TPD) will be handed over to authorized local vendor.
- (vii) The total power requirement during construction phase will be met from Tata Power Delhi Distribution Limited (TPDDL) and total power requirement during operation phase is 1421 kVA and will be met from Power Delhi Distribution Limited (TPDDL).
- (viii) 04 Nos. of rain water harvesting pits will be constructed.
- (ix) Parking facility for 468 ECS is proposed to be provided (according to local norms).
- (x) Proposed energy saving measures would save about approx. 1 % of power.
- (xi) It is located within 10 km of Eco Sensitive areas - NO
- (xii) NBWL Clearance is not required.
- (xiii) Forest Clearance is not required.
- (xiv) There is litigation on the project in Rohini Court vide Execution petition no. 379/2019. LAC No. 45/2017 filed by Surjeet @ Surajmal vs Union of India and Others. Court passed order on 19th January 2019 on LAC No. 45/2017, for payment. Final hearing to take place.
- (xv) Green belt development and Details of tree felling/transplantation- 09 No. of trees to be cut/Transplant. 19266.13 sqm (27.86% of plot area) will be developed for green area.
- (xvi) Expected timeline for completion of the project - September 2021.
- (xvii) Investment/Cost of the project is Rs. 62.23 Crore.
- (xviii) Employment potential: 100 Labours during construction phase.
- (xix) Benefits of the project: The project will enable housing for CRPF families.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Delhi, the proposal has been appraised at Central level by sectoral EAC.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard EC Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes), while considering for accord of environmental clearance:*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from DJB shall not exceed 75 KLD for operation of facility and necessary permission shall be obtained.
- (iii) The wastewater will be treated in house in STP of advance treatment technology having 100 KLD capacity. The treated water shall be used within the campus for flushing, gardening and construction/Roadside Green and Public Parks. As proposed, no excess treated water shall be discharged to Municipal drain.
- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing

- (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) 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. As proposed, 04 Nos. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
 - (vi) Segregated bio-degradable waste shall be compost in Organic Waste Converter. As proposed 110 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.
 - (vii) A total of 9 trees will be felled/cut for which the permission from Tree Authority constituted as per the Delhi Preservation of Trees Act, 1994 (Delhi Act No. 11 of 1994) shall be obtained. However, tree cutting/transplantation should be taken where absolutely necessary. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted). In case of cut/non-survival of any transplanted tree, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree) shall be done and maintained.
 - (viii) A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed 19,266.16 sqm (27.86% of total area) area shall be provided for green area development.

Agenda item No. 56.4.10.

Proposed enhancement/ Construction Project “Life Republic” with built up area of 18,90,091.83 sqm at village Marunji, Jambe, Nere, Taluka Mulshi, District Pune by M/s Kolte Patil I Ven Townships (Pune) Ltd. - Environmental Clearance

(IA/MH/NCP/176653/2020; F.No. 21-75/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s ABC Techno Labs India Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at 18°37'16.40"N Latitude and 73°42'50.78"E Longitude.
- (ii) The project is new. Earlier Clearance details is as follows:

No.	Category	From	Dated of EC	Area (ha.)	BUA (sqm)
1	Fresh	MOEFCC	06-09-2007	222.00	1,58,38,082
	Revalidation	SEIAA	16-12-2014	222.00	
2	Fresh	SEIAA	23-04-2019	168.84	14,50,972.52
3	Amendment	SEIAA	24-01-2020	168.84	14,50,972.52

- (iii) Total construction as per previous EC is 8,71,017.32 sqm

- (iv) ToR was granted by SEIAA, Maharashtra vide letter no. SIA/MH/NCP/50153/2020 dated 29/05/2020.
- (v) The total plot area is 15,81,344.18 sqm, FSI area is 11,68,230.97 sqm and total construction (Built up) area of 18,90,091.83 sqm. The project will comprise of buildings, parking structures, club houses, fire station, row houses. Total 16,437 flats shall be developed. Maximum height of the building is 73.6 m. The details of building are as follows:

Sr. No.	Details	As per previous EC vide no. SEIAA –EC 000002328 dated 24 th January 2020	Expansion phase	Remark
1.	Plot area (sqm)	16,28,405.50	15,81,344.18	(-) 47,061.32
2.	FSI (sqm)	8,14,133.00	11,68,230.97	(+) 3,54,097.97
3.	Non FSI (sqm)	6,47,153.52	7,21,860.86	(+) 74,707.34
4.	Built Up area	14,61,286.52	18,90,091.83	(+) 4,28,805.31
5.	Building Component			
	Sector	Residential (9), Educational (3), Amenity (5), Commercial Buildings (6) Public Utility (2)	Residential (21), Educational (2), Community market (2), Public Assembly facility (17), Public utility (10) Social Housing (3)	Change in sectors
	No. of Residential buildings	38 Buildings + 38 Row House + 47 Twin Bunglow + 1 Bunglow + 157 Bunglow	79	(+) 48
	Total Tenements	8,419	16,437	(+) 8018
	Residential Population	42,275	82,185	(+) 39,910
	Commercial buildings	21	62	(+) 41
	Shops/offices	429	1043	(+) 614
	Commercial population	22,481	31,537	(+) 9056
	Estimated population	64,756	1,13,722	(+) 48,966
6.	Fresh Water (KLD)	4423	8112	(+) 3689
7.	Flushing (KLD)	3263	5056	(+) 1793
8.	Gardening (KLD)	1623	1733	(+) 110
9.	Sewage Generation (KLD)	6917	11,852	(+) 4935
10.	STP no. and Capacity	22 Nos. 7060 KLD	51 nos. 11,890 KLD	(+) 30 no. 4830
11.	RWH pits	100	100	No change
12.	Quantity of storm water	159.55 m ³ /min	137.25 m ³ /min	(-) 22.30
13.	Dry waste	14138 kg/day	19,901 kg/day	(+) 5763

14.	Wet waste	14,423 kg/day	25,788 kg/day	(+) 11,365
15.	E waste	167 kg/day	198 kg/day	(+) 31
16.	Connected load	46530.40 KW	97603.25KW	(+) 51,072.85
17.	Demand Load	58162.91 KW	44834.42 KW	(-) 13328.49
18.	Transformer	630 KVA (51) and 315 KVA (2)	630 KVA (89) and 315 KVA (23)	(+) Capacity
19.	DG set	62.5 KVA x2, 82.5 KVA x1, 125 KVA X 1, 160 KVA X3, 250 KVA X11,320 KVA X1, 500 KVAX3,600 KVA X1	50 KVA (17), 100 KVA (12), 180 KVA(8), 225 KVA (5), 365 KVA (1), 500 KVA (1)	(+) Capacity
20.	Energy savings	27.17 %	27.24 %	
21.	Parking area	3,08,193.40 sqm	387643.80 sqm	(+) 79,450.40
22.	No. of cars	6309	7182	(+) 873
23.	No. of Two wheeler	25,051	38,813	(+) 13,762
24.	Landscape area	2,70,411.54 sqm	3,72,870.74 sqm	(+) 102459.2
25.	No. of trees	20,590	20,840	(+) 250
26.	Project cost	5417.61 Cr	6680.93 Cr	(+) 1263.32
27.	EMP Capital cost	304.70 Cr	232.51 Cr	(-) 72.19 Cr
28.	EMP O & M cost	51.88 Cr	4.84 Cr	(-) 47.04 Cr

- (vi) During Construction phase, total water requirement is expected to be 100 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 labor force.
- (vii) During Operational phase, total water requirement of the project is expected to be 15,124 KLD and the same will be met by 8112 KLD fresh water from Pawana river water treatment plant at site and 6789 KLD recycled water. Wastewater generated (11,852 KLD) will be treated in 51 STPs of total 11,980 KLD capacity. 6789 KLD of treated wastewater will be recycled and re-used (5056 KLD for flushing 1773 KLD for gardening etc.) About 5063 KLD will be disposed into municipal drain.
- (viii) About 45,689 kg/day solid wastes will be generated in the project. The bio degradable waste (25,788 kg/day) will be processed in OWC and the non-bio degradable waste generated (19,901 kg/day) will be handed over to authorized local vendor.
- (ix) The total power requirement during construction phase is 650 KW and will be met from MSEDCL and Total power requirement during operation phase is connected load of 97,603 KW and demanded load of 44,834 KW is estimated. and will be met from MSEDCL.
- (x) For rainwater harvesting, recharge pits (100 nos.) will be provided in the storm water drainage system in the form of chamber with size (2.0 m x 2.0 m X 2.0 m) to harvest maximum rainwater collected from terraces and paved areas of the project.
- (xi) Parking facility for 7182 four wheeler and 38,813 two wheelers is proposed to be provided against the requirement of 7182 and 38,813 respectively (according to local norms).
- (xii) Proposed energy saving measures would save about 27.24 % of power.
- (xiii) It is not located within 10 km of Eco Sensitive Zone. NBWL Clearance is not required.
- (xiv) Forest Clearance is not required.

- (xv) Court case is pending against the project.
- (xvi) The required mandatory RG area at township level is 18.48 Ha. and at sector level is 79,908.54 sqm. Swimming pools and clubhouses are provided in open space at sector levels. The total landscape area will be 3,72,870 sqm. Landscape on ground is 2,85,816 sqm and on podium is 87,055 sqm. The total softscape area on ground and podium is 2,88,823.96 sqm out of which 83,179.07 sqm of softscape area is completed. Presently, 7775 Trees are existing at site which are planted as per previous EC. In all 20,840 trees are proposed. List of proposed trees and details of plant treatment is given in chapter III. Water quantity required for landscape is 1,733 KLD and fully treated and recycled water from STP will be used for landscape.
- (xvii) Expected time line for completion of the project: 10 Years
- (xviii) Investment/Cost of the project is Rs 6680.93 (in core)
- (xix) Employment potential: 500 – 700
- (xx) Benefits of the project: Improvement in physical infrastructure, Improvement in social infrastructure and Employment potential:

The EAC noted that 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 State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC was informed that Environmental clearance was granted to the project by MoEF vide letter No. 21-111/2007-IA-III dated 06.09.2007. The validity of the EC was extended vide letter dated 16.12.2014. Further, Environmental Clearance for expansion of the proposal was granted by SEIAA, Maharashtra vide letter no. SEIAA-EC-0000001462 dated 23.04.2019 and further amended vide letter dated 24.01.2020.

The EAC also deliberated on the certified compliance report letter No. 16-175/2007/(Env)/7360 dated 19th October, 2020 issued by the MoEF&CC's Regional Office (WCZ), Nagpur. The EAC noted that there is several non-compliance reported in the Compliance report. Additional, PP has also obtained EC in the past and compliances to conditions given therein is not provided. The EAC after detailed deliberation on the proposal asked the project proponent to submit following additional information:

- (i) Action taken report on the non-compliance reported in the Certified Compliance Report issued by MoEF&CC's Regional Office (WCZ), Nagpur. Also status of compliance of EC issued on 06-09-2007.
- (ii) Details to be provided in totality for all the parameter like water requirement, waste water generation, water balance, solid waste generation, electricity, parking etc. since inception of township.
- (iii) Details of court cases, issues and latest status.
- (iv) Details of Consent to establish and Consent to operate in chronological order.
- (v) An assessment of the cumulative impact of all development and increased inhabitation being carried out or proposed to be carried out by the project or other agencies in the core area, shall be made for traffic densities and parking capabilities in 5 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning shall be submitted with the EIA. The Plan shall also include the consent of all the concerned implementing agencies.

Agenda item No. 56.4.11.

Construction of residential and commercial Development with built up area of 4,88,422.77 sqm at Thane, Mumbai, Maharashtra by M/s. Agile Real Estate Pvt. Ltd. - Terms of Reference

(IA/MH/MIS/174000/2020; F.No. 21-53/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Enviro Analysts & Engineers Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The proposal is for proposed residential and commercial development on plot bearing new S.no.80/2c, 81, 82, 83/4/2b, 83/7/b, 85/4, 19/1b, 19/2, 19/3, 19/4, 19/5, 19/6, 19/7, 19/8, 19/9, 19/10, 19/11, 19/12, 19/13b, 13/13a(p), 13/13a(p), 19/14, 19/15, 19/16a, 19/16b, 19/17, 19/18, 19/19, 19/20/b, 19/21, 19/22, 19/23, 19/24, 19/25/b, 19/26, 19/27/b, 19/28, 19/34/c, 19/35, 19/36, 19/39/b, 19/41/b, 19/46, 19/46, 20/1, 20/2, 20/3 of Village Balkum, Thane (W). Maharashtra.
- (ii) The project is new. Total plot area is 68,577.50 sqm having total FSI area of 3,29,172.00 sqm, total Non FSI Area of 1,59,250.77 sqm and total Construction Area of 4,88,422.77 sqm.
- (iii) Total water requirement will be 3424KLD which will be supplied from TMC. No ground water withdrawal is proposed.
- (iv) Expected Waste Generation (Liquid and Solid) and proposed management strategy

S. No.	Type of Waste	Quantity (kg/day)	Management/Disposal
1	Biodegradable Waste	4225	Treated in OWC.
2	Non-biodegradable Waste	6337	Segregated/Sale/Collected by local authority

- (v) Total 2879 KLD wastewater will be generated from the site is proposed to be treated in STP. The treated water will be utilized for flushing & landscaping. The excess treated water shall be discharged to Municipal drain. The sludge shall be reused for landscaping
- (vi) Trees which are falling under proposed building line shall be cut as per tree NOC
- (vii) Expected Power Requirement During Operation Phase will be Connected Load: 21,381- KW and Demand Load 11,758 KW. It will be sourced from MSEB/Local electricity supplier. DG set shall be provided for backup power to emergency facilities.
- (viii) Investment/Cost of the project is ₹ 1818.66 Crores
- (ix) Employment potential. Approximately 250-300 workers shall be employed for all the construction related activity on site.
- (x) Benefits of the project: The PP proposes a Residential Cum Commercial project. There shall be generation of employment opportunities during construction stage and also at operational phase development. Municipal Drainage system is well developed. Storm water drains are designed considering the elevation profile.

The EAC noted that 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 State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC deliberated upon the information provided by the project proponent. After detailed deliberation, EAC recommended granting 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 NOC/certificate from Chief Wildlife Warden/Forest Officer to the effect that the project site does not lie within notified boundary of Flamingo Sanctuary.
- (iii) Submit NOC/certificate from Maharashtra Coastal Zone management Authority, to the effect that the project site does not lie within CRZ.
- (iv) An assessment of the cumulative impact of all development and increased inhabitation being carried out or proposed to be carried out by the project or other agencies in the core area, shall be made for traffic densities and parking capabilities in 5 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning shall be submitted with the EIA. The Plan shall also include the consent of all the concerned implementing agencies.
- (v) Permission from CGWA for abstraction of ground water, if any, for basement/excavation dewatering.
- (vi) Details of tree cutting/transplantation, if any.
- (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) Option analysis of onsite and off-site wastewater treatment generated during operational stage.
- (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.

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.

Agenda item No. 56.4.12.

Proposed Construction of Rehabilitation Scheme along With Sale Component with built up area of 2,47,695.96 sqm at Village Powai, Mumbai, Maharashtra by M/s Bhawanishankar H. Sharma - Terms of Reference

(IA/MH/MIS/175556/2020; F.No. 21-54/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s ULTRA TECH made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The proposal is for "Proposed Rehabilitation Scheme along With Sale Component" CTS no. 23A (Pt.), 26A(Pt.) & 27(Pt.), at Hiranandani Garden, Village Powai
- (ii) Total Plot Area of the project is 60,000.00 sqm. Built-up Area as per FSI 2,47,695.96 sqm (Including Fungible Area) and Total Construction Built -up Area will be 4,30,938.59 sqm. The details off the building are as follows:

Building Configuration	Details
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Rehabilitation : 11 Nos. of buildings	
Building No. 1 Stilt Floor + 1 st to 22 nd Floors	Flats: 3986 Nos. Shops: 70 Nos. Balwadi: 40 Nos. Welfare Center: 40 Nos. Society Offices: 40 Nos.
Building No. 2 : Stilt Floor + 1 st to 23 rd Floors	
Building No 3 & 7: Ground Floor + 1 st to 23 rd Floors	
Building No 4: Lower Ground + Upper Ground Floor + 1 st to 21 st Floor + 22 nd (pt.) Floor	
Building No. 5: Lower Ground(pt.) + Upper Ground Floor + 1 st to 22 nd Floors + 23 rd (pt.) Floor	
Building No 6: Ground Floor + 1 st to 22 nd Floors + 23 rd (pt.) Floor	
Building No. 8 &11 : Ground/ Stilt Floor + 1 st to 23 rd Floors	
Building No 9: Ground/Stilt Floor + 1 st to 22 nd Floors	
Building No 10: Lower Ground Floor + Upper Ground Floor+ 1 st to 22 nd Floors	
Sale : 1 Building with 3 Wings	
Wing - A : 4 Basements + Lower Ground Floor + Ground Floor + Upper Ground Floor + 1 st Floor Retail + 2 nd & 3 rd Floors Multiplex + Eco deck Floor	Offices & Retail Multiplex Anchors: 9 Nos. Food Court: 2 Nos. Food & Beverage Court: 4 Nos.
Wing - B & C: 4 Basements + Lower Ground Floor+ Upper Ground Floor + 1 st to 2 nd Floor Retail + 3 rd Floor Multiplex + Eco deck Floor + 1 st to 21 st Floors for Offices	
Parking Tower	8 Nos.

(iii) Total water requirement will be 2850 KLD which will be sourced from Municipal Corporation of Greater Mumbai (M.C.G.M.)/ Partly by Rain water harvesting (during monsoon season)/ Treated sewage for flushing & Gardening. Withdrawal of ground water is not planned in the project

(iv) Sewage Quantity and Treatment: 2453 KLD sewage shall be:

Details	Quantity (KLD)	Treatment
Rehabilitation	1922	Treatment in 3 Sewage Treatment Plants (STPs) of total capacity 2030 KL
Sale	531	Treatment in STP of capacity 580 KL

(v) Solid Waste Quantity and Treatment:

Waste	Quantity (Kg/day)	Treatment/Disposal
Non-biodegradable	5585	Shall be handed over to authorized recyclers
Biodegradable	3718	Shall be treated by composting in Organic Waste Converters (OWCs)
E- Waste	25	Shall be stored separately and disposed to authorized recycler

(vi) There are some existing structures (Bungalow, Studio) present on site which will be demolished. This Scheme will offer housing facility to the Project affected people and contemporary living conditions which would improve their quality of life. No rehabilitation is involved in this project.

(vii) Power Requirement during Operation Phase will be Connected load (KW): 24333 KW and Maximum demand (KW) : 14757 KW.

(viii) Investment/Cost of the project is Rs. 1394 Crores

(ix) Employment potential: This project will generate temporary employment to many unskilled and semi-skilled laborers in nearby areas for construction and other related works. Employment opportunities for local people in the operational phase as security guard, driver, maid/ servant, sweeper, gardener etc. Commercial development will also

generate employment opportunities for many skilled people which will help to improve economy of the region.

- (x) Benefits of the project: This Scheme will offer housing facility to the Project affected people and contemporary living conditions which would improve their quality of life.

The EAC noted that 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 State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC deliberated upon the information provided by the project proponent. After detailed deliberation, EAC recommended granting 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) An assessment of the cumulative impact of all development and increased inhabitation being carried out or proposed to be carried out by the project or other agencies in the core area, shall be made for traffic densities and parking capabilities in 5 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning shall be submitted with the EIA. The Plan shall also include the consent of all the concerned implementing agencies.
- (iii) Permission from CGWA for abstraction of ground water, if any, for basement/excavation dewatering.
- (iv) Details of tree cutting/transplantation, if any.
- (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) Option analysis of onsite and off-site wastewater treatment generated during operational stage.
- (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.

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.

Agenda item No. 56.4.13.

Integrated Township Project with built up area of 16,97,400.20 sqm at Village Gharivali Usarghar and Sagaon, Tahsil Kalyan, District Thane, Maharashtra by M/s Runwal Residency Pvt. Ltd. - Terms of Reference

(IA/MH/MIS/176569/2020; F.No. 21-59/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Ultra Tech made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The proposal is for construction of “Integrated Township Project” at Survey No. 4, Hissa No. 1 – 6 & 9 – 11, Survey No.5, Hissa No. 1 – 6, Survey No. 6, Hissa No. 1 – 3, Survey No.7 , Hissa No. 1, 2A, 2B, 2C, 3A, 3B, Survey No.8, Hissa No. 1 – 9, Survey No.9, Hissa No.1 – 8, Survey No. 10 & 11, Survey No. 12, Hissa No.1 – 14, Survey No. 13, Survey No. 14, Hissa No. 1, 2A, 2B & 3 – 5, Survey No. 15, Survey No. 16, Hissa No, 1,2 , Survey No.17, Hissa No. 1 – 11, Survey No. 18, 19, 20, Hissa No. 1, 2, Survey No 21, Hissa No, 1-4, 22, Survey No. 23, hissa No. 1 – 3 & 10, Survey No. 37, Hissa No. 1, 2B, 2C, 2D, 3 & 4, 21, Survey No. 38, Hissa No. 1 & 2, Survey No. 39, Hissa No. 1 – 3, Survey No. 40, Survey No. 41, Hissa No. 1A, 1B, 2, 3 & 4, Survey No. 42, Hissa No. 2, Survey No. 44, Hissa No. 1- 4, 5A, 5B, 6A, 6B & 7 –20, Survey No. 49, Survey No.50, Hissa No. 1 – 3 , Survey No. 51, Hissa No. 1-2, Survey No. 56, Hissa No. 1,2 at village Gharivali. Survey No. 44, Hissa No. 1 – 12, Survey No. 45, Hissa No. 1 – 4, 5A, 5B & 6, Survey No.46, Hissa No. 1, 2A, 2B & 3, Survey no. 47, 49, 50 & 51, Survey No.52, Hissa No. 1& 2, Survey No. 53, Hissa No. 1A, 1B, 2A, 2B, 3A & 3B and Survey No. 94 at village Usarghar, Survey No 67, Hissa No. 1 at village Sagon , Tal – Kalyan, Dist. Thane, State – Maharashtra.
- (ii) This is modernization in Environmental Clearance proposal. Earlier Environmental Clearance was granted by SEIAA, Maharashtra vide letter No: SEIAA-EC-0000002073 dated 07.11.2019.
- (iii) Total Plot Area is 5,33,750 sqm Built-up Area as per FSI (Including EWS/ LIG) will be 9,63,771.62 sqm and total Construction Built -up Area 16,97,400.20 sqm. The details of the project are as follows:

No.	Proposal	Details
Phase I		
1	12 Nos. of Residential Buildings: Ground + 23 floors each	Flats: 1923 Nos.
2	School: Basement + Stilt + 6 floors (Part bldg will be constructed in phase 1 & part in phase 3)	Students: 1100 Nos.
3	Retail & Business Office: Basement + Lower Ground + Upper Ground + 17 th floors	--
4	Shopping Arcade: Basement + Ground + 3 floors	--
5	EWS/ LIG building: Stilt + 23 floors	Flats: 474 Nos.
6	Standalone Podium 2: Gr + 2 floors	--
7	Multi-level car parking 1: 2 Basements + Ground + 15 floors	--
8	Club House 1: Ground + 1 floor (above MLCP)	--
9	Shops: Ground Floor of MLCP	--
10	Health care: Basement + Ground + 3 floors (Part bldg will be constructed in phase 1 & part in phase 3)	Beds: 30 Nos.
Phase II		
1	11 Nos. of Residential Buildings: Stilt + 23 floors each	Flats: 1657 Nos.
2	EWS/ LIG building: Stilt + 15 floors	Flats: 147 Nos.
Phase III		
1	7 Nos. of Residential Buildings: Stilt + 1 st to 23 rd + Fire check floor + 24 th to 32 nd floors each	Flats: 2167 Nos.
2	EWS/ LIG building: Stilt + 23 floors	Flats: 588 nos.
3	Standalone Podium: Ground + 2 floors	--
4	Multi-Level Car Parking (MLCP 2): 3 Basements+ Ground + 15 floors	--
5	Club House 2: Ground + 1 floor (Above MLCP)	
6	Bus station: Ground floor	
7	Fire Brigade: Ground floor	

No.	Proposal	Details
8	Town Hall: Basement + Ground + 2 Podia + 3 floors	
9	School: Basement + Stilt + 6 floors (Part bldg will be constructed in phase 1 & part in phase 3)	Students: 1100 Nos.
10	Health care: Ground + 3 floors (part bldg will be constructed in phase 1& part in phase 3)	Beds: 30 Nos.
Phase IV		
1	11 Nos. of Residential Buildings: Stilt + 1 st to 23 rd floor + Fire check floor + 24 th to 34 th floors each	Flats: 2636 Nos
Phase V		
1	3 Nos. of Residential Buildings: 2 Basements + 3 Podia + Stilt + 1 st to 20 th + fire check floor + 21 st to 33 rd floors each	Flats: 906 nos.
Phase VI-A		
1	3 Nos. of Residential Buildings: 2 Basements + 5 Podia + Stilt + 1 st to 20 th fire check floor + 21 st to 32 nd floors each	Flats: 622 Nos.
2	Market: Ground + 1 floor Additional Market: Ground Floor	--
Phase VI-B		
1	2 Residential Buildings: 2 Basements + 4 podia + Stilt + 1 st to 20 th floors + Fire check + 21 st to 35 th floors each	Flats: 828 Nos.
Phase VI - C		
1	2 Residential Buildings: 2 basements + 4 Podia + Stilt + 1 st to 20 th floors + fire check + 21 st to 39 th floors each	Flats: 454 nos.
Phase VII		
1	2 Residential Buildings: Stilt + 5 podia + 6 th to 34 th floors	Flats: 568 Nos.
2	EWS/ LIG Building: Stilt + 21 floors	Flats: 126 Nos.
3	Commercial: Ground + 3 floors	Offices/Shops
Phase VIII		
1	1 Residential building: Stilt + 5 podia + 6 th to 34 th (pt) floor	Flats: 228 Nos.
2	2 Residential buildings: Stilt + 5 podia + 6 th to 34 th floor	Flats: 568 Nos.
3	Commercial: Ground + 22 floors	Offices/Shops
4	School: Stilt + 5 floors	Students: 300 Nos.
5	Health care (In commercial Building)	Beds: 2 Nos.
6	Market: Ground + 1 floor	--

- (iv) Total water requirement will be 11172 KLD which will be sourced from Maharashtra Industrial Development Corporation (MIDC)/ Treated sewage/ Tanker water of potable quality. No withdrawal of ground water is proposed.
- (v) Sewage generation: 8385 KLD shall be treatment in STP and reuse of treated sewage for flushing, gardening and cooling tower make up.
- (vi) Biodegradable waste: 19565 kg/day shall be treated in Biomethanation plant Non-biodegradable waste: 12828 kg/day shall be handed over to Authorized recyclers
- (vii) Expected Power Requirement will be Connected Load: 83984 KW and Maximum Demand: 44921 KW
- (viii) Project does not falls within 10 km of eco-sensitive area.

- (ix) Investment/ Cost of the project is Rs. 4000 Crore.
- (x) Employment potential: In construction phase, there would be growth in indirect jobs and business opportunities to the local and people such as contractors, transporters and raw material suppliers etc. due to the proposed development in the area. The completion of project will eventually lead to permanent job opportunities to the local & nearby villagers as there would be increased demand for security, kitchen help, etc. There would be provision of convenient shops in the proposed township project which could provide livelihood opportunity to people in the area. A multiplier effect will be felt during construction phase as establishing small shops like tea stalls, supply of intermediate raw materials, repair outlets, hardware stores etc. However these impacts are likely to be temporary. In the operations phase, the project would provide job opportunities in the organized and unorganized sector. There is likely to be increased demand for security, kitchen help, need for drivers etc.
- (xi) Benefits of the project: This Integrated Township Project comprises of Residential buildings, EWS (Economical Weaker Section), Social Housing LIG (Lower Income Group) Scheme, along with amenities like School, Commercial/ Business office, Retail, Health care, Market, Fire station, Bus station, Police station, Club House, etc.

The EAC noted that 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 State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC also noted that earlier Environmental Clearance to the project was granted on 07.11.2019 by SEIAA, Maharashtra for a built-up area 19,09,251.37 sqm. Now, there are changes in the planning hence the project proponent has re-applied for revised Environmental Clearance with a built-up area of 16,97,400.20 sqm. Standard Terms of Reference was also generated to the project by MoEFCC on 6th October, 2020. The EAC opined that the built-up area in the instant proposal is reducing and the PP has applied in Expansion category. In this case, the PP has to apply for Amendment in the Environmental Clearance. The Standard Terms of Reference dated 6th October, 2020 shall be cancelled by MoEFCC. The EAC recommended to return the proposal in original and asked the PP to apply afresh for Amendment in the Environmental Clearance.

Day 3- Friday, 23rd October, 2020

Agenda item No. 56.5.1.

Construction of commercial project with built up area of 62,891.568 sqm on subdivided plot bearing CTS No. 533(pt), 533/2(pt), & 553 (pt), of village Nahur, L. B. S. Road, Mulund (W), T- Ward, Mumbai Maharashtra by M/s. Kalpataru Ltd. - Environmental Clearance (IA/MH/MIS/174154/2020; F.No. 21-78/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Enviro Analysts and Engineer made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) Proposed development of Commercial project at plot bearing CTS No. 533(Pt.), 533/2 (Pt.) 553 (Pt.) of village Nahur, L.B.S road, Mulund (West), T- Ward, Mumbai by M/s, Kalpataru Limited having Latitude- From 19°10'7.77"N to 19°10'11.73"N and Longitude – From 72°56'21.42"E to 72°56'21.52"E.
- (ii) The project is New. The details of project are as follows:

S. No.	Description	Details	
1.	Total Plot Area in sqm.	5000.00	
2.	Net plot area for the project under reference in sqm.	5000.00	
3.	Proposed BUA in sqm.	FSI Component in sqm	33,750.00
		Non-FSI Component in sqm	29,141.57
		Total BUA in sqm.	62,891.56
4.	Buildings	1.00	
5.	Number of Offices + shops	311 Offices + 4 shops +1 Retail at Grd. + Mezzanine Floor.	
6.	Maximum height of the building in m	119.62	
Details of building			
	Building Name	Building Configuration	Building Height (m)
	Tower 1	1Basement+ Grd. With shops having Gr + mezzanine / Stilt + 1st Podium (Parking/Comm.) + 2nd to 7th Podiums (Parking) + 8th Podium Comm./Refuge/Stilt) + 1st to 24th Floors Commercial	119.62

- (iii) During construction phase, total water requirement is expected to be 20-30 KLD which will be met by Tanker water. 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 requirement of the project is expected to be 250 KLD and the same will be met by MCGM. 135 KLD fresh water from MCGM and 115 KLD Recycled Water. Wastewater generated (218 KLD) will be treated in 1 STP of total 220 KLD capacity. 115 KLD of treated wastewater will be recycled and re-used (110 KLD for flushing, 5 KLD for gardening etc.). About 87 KLD will be disposed in to municipal drain.
- (v) About 1.088 TPD solid wastes will be generated in the project. The biodegradable waste (0.435 TPD) will be processed in OWC and the non-biodegradable waste generated (0.653 TPD) will be handed over to authorized local vendor.
- (vi) The total power requirement during construction phase is 200 KVA and will be met from Tata/Adani/MSEDCL .and total power requirement during operation phase is 3987 KVA and will be met from Tata/ Adani power. 3 DG Sets of 1500 KVA each are proposed to be installed during operation phase.
- (vii) Rooftop rainwater of buildings will be recharged via in 4 nos. of Recharge pits of total 126 cu.m. capacity for harvesting after filtration.
- (viii) Parking facility for 489 nos four wheelers is proposed to be provided against the requirement of 471 nos (according to local norms).
- (ix) Proposed energy saving measures would save about 16.25 % of power.
- (x) The project is 1.00 km away from notified (vide Notification 3645 dated 05.12.2016) ESZ of SGNP and 3.00 km of proposed ESZ of Thane Creek Flamingo Sanctuary.
- (xi) Forest Clearance is not required.
- (xii) No Court case is pending against the project.
- (xiii) As per local regulations required LOS (RG) is 1250 sqm. Proposed LOS (RG) is 1250 sqm. Out of total LOS (RG) of 1250 sqm., 819.30 sqm. of RG is proposed at ground level & balance RG of 430.70 sqm. is proposed at top most podium level open to sky. Out of 819.30 sqm. of RG proposed at ground level, area admeasuring 381.20 sqm. is proposed on mother earth and balance RG is provided with grid pavers at ground level. 12 Number of trees are proposed to be cut.

- (xiv) Expected timeline for completion of the project 7 Years.
- (xv) Investment Cost of the project is ₹ 255.52 Crores.
- (xvi) Employment potential: 50 nos shall be provided with temporary housing facilities Around 50 nos. labors will come to site during peak construction phase. This is a commercial project which will create 500 nos. direct employment and 500 nos. employment during the operation phase.
- (xvii) Benefits of the project: Being a commercial project it will provide a lot of job opportunities. The project will improve the infrastructure of the surrounding area, will generate direct and indirect employment during construction and operation phase. The project has all infrastructure like STP, OWC, RWH system, Solar PV panels etc to mitigate the impact on the surrounding environmental.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC noted that the plot under reference is a sub-divided Plot B. Residential Building is proposed on sub-divided Plot A. (EC already received from SEIAA). MCGM has sanctioned the sub-division. The Indian Green Building Council's GREEN HOMES Rating System for residential buildings provides a set of performance standards for certifying the design and construction phases of residential buildings. IGBC Green Homes addresses environmental issues in six distinct categories viz. Sustainable Design, Water Conservation, Energy Efficiency, Materials & Resources, Resident health & Wellbeing, Innovation & Design; The project is proposed for IGBC Green Homes for a target rating of GOLD. (Registration no: IGBCNBT190203).

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) The project proponent shall obtain clearance from the National Board for Wildlife due to Flamingo Wildlife Sanctuary.
- (iii) As proposed, fresh water requirement from MCGM shall not exceed 135 KLD during operational phase and necessary permission shall be obtained.
- (iv) The wastewater will be treated in house in STP of advance treatment technology having 220 KLD capacity. The treated water shall be used for flushing and gardening etc. Only excess treated wastewater shall be considered for discharge after meeting the standard. Proper flow measuring devices are to be installed at outlet points.
- (v) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.

- (vi) 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. As proposed, 04 no. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (vii) Bio-degradable shall be composted in Organic Waste Converter. As proposed, 59 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.
- (viii) As proposed, a total of 12 trees will be felled/cut, which should be translated safely and permission from Tree Authority constituted as per the Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended shall be obtained. However, tree cutting/transplantation should be taken where absolutely necessary. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted). In case of cut/non-survival of any transplanted tree, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree) shall be done and maintained
- (ix) As proposed, total area of 1250 sqm (25% of plot area) shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.5.2.

Construction of “Ganga Jamuna” residential project with built-up area 22,661 sqm at Plot No. G/399-C, G/399-D, G/399-E Bandra, Mumbai by M/s Jade Constructions Pvt.Ltd. - Environmental Clearance

(IA/MH/NCP/177691/2020, F.No. 21-80/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Mahabal Enviro Engineers Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at 19°04’38.43”N Latitude and 72°49’47.45”E Longitude. The project is redevelopment of Residential Building “Ganga Jamuna’ on Plot no. G/399-C, G/399-D, G/399-E, Bandra, Mumbai, Maharashtra by Jade Constructions Pvt. Ltd.
- (ii) The proposal is new. The total plot area is 3,467.70 sqm. FSI area is 11,170 sqm and total construction area is 22,661 sqm. The project comprise of 1 Residential complex with 3 wings. Total 66 flats shall be developed. Maximum height of the building is 61.77 m. The details of the building are as follows:

Building	Building Configuration	Nos. of flats	Height (m)
Wing A	Ground + Podium 1+ Podium 2+ E deck floor +15th floor + Terrace floor	22	61.77
Wing B	Ground + Podium 1+ Podium 2+ E deck floor +15th floor + Terrace floor	22	61.77
Wing C	Ground + Podium 1+ Podium 2+ E deck floor +15th floor + Terrace floor	22	61.77

- (iii) During construction phase, total water requirement is expected to be 50 KLD which will be met by tanker and municipal water. 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 45 KLD and same will be met by Municipal Corporation of Greater Mumbai (MCGM). Wastewater generated (39 KLD) will be treated in 1 STP of total 40 KLD capacity. 18 KLD of treated wastewater will be recycled and re-used (15 KLD for flushing and 3 KLD for gardening). About 16 KLD will be disposed into the municipal drain.
- (v) About 165 kg/d solid waste will be generated in the project. The biodegradable waste (99 kg/d) will be processed in OWC and the non-biodegradable waste generated (66 kg/d) will be handed over to authorized local vendor/ Municipal collection system.
- (vi) The total power requirement during construction phase is 50 kVA and will be met from Adani electricity and total power requirement during operation phase is 483 kW (Demand load) and will be met from Adani electricity
- (vii) Rooftop rainwater of building will be collected in 3 nos. recharge pits of total 3.5 m x 3.5 m capacity for harvesting after filtration.
- (viii) Parking facilities for 168 nos. of four wheelers and 18 nos. of two wheelers are proposed to be provided against the requirement of 165 nos of four wheelers (according to local norms).
- (ix) Proposed energy saving measures would save about 12 % of (Total demand) power.
- (x) NBWL Clearance is not required
- (xi) Forest Clearance is not required.
- (xii) No Court case is pending against the project.
- (xiii) Greenbelt will be developed on area of 521 sqm. Existing trees on site are 39 Nos. Out of which 21 nos of trees will be cut. New trees to be planted will 96 Nos. resulting in total no. of trees as 114 no.
- (xiv) The project will be completed within 4 years.
- (xv) Investment/Cost of the project is Rs. 49 Crore.
- (xvi) Employment potential: During construction: 100 Nos. During Operation: 50 Nos.
- (xvii) Benefits of the project: The proposed project will improve the socio economic status by providing quality residential complex with environmental infrastructure. During Construction and operation phase the project will generate direct and indirect job opportunities improving the financial condition of the locals.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC further noted that M/s Jade Constructions Pvt. Ltd. is proposing redevelopment of existing residential building "Ganga Jamuna" at Plot No. G/399-C, G/399-D, G/399-E, Bandra, Mumbai, Maharashtra. The plot area of the project is 3,467.70 sqm, FSI area of 11,170 sqm, non FSI area of 11,491 sqm and total Built-up area of 22,661 sqm. Existing buildings are in a dilapidated condition with total of 24 tenements. This being a redevelopment project the existing buildings will be demolished to construct proposed building

complex. The demolition work involves demolition, dismantling and removal of redundant tanks, redundant services and redundant buildings. This Demolition Work Plan has been designed to provide the necessary processes and procedures for demolition and removal works at sites.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) For demolition of existing building:
 - (a) the building will be demolished from Top to Bottom, floor-wise. Net Fabric Wrapping, around the building to reduce air borne dust generation.
 - (b) All recyclables & saleable items like Steel, Door-Windows Frames, Plumbing pipes & fixtures etc. will be collected & taken away.
 - (c) Other material will be categorized & disposed off as per their usage.
 - (d) Material will be stacked near the entrance with minimal disturbance to site & other activities.
 - (e) Complete precaution will be taken to avoid Dust & Air Pollution. Regular water sprinkling will be done.
 - (f) Efforts shall be done to prevent dirt and mud from going onto the nearby road by the provision of wheel washing facilities during times heavy ground works being undertaken. Only PUC certified vehicles will be allowed.
 - (g) Entry gate will be manned to control the ingress & egress of the vehicles.
 - (h) Majority of the material handling shall be done in non-peak hours to avoid congestions on the roads.
 - (i) Flagmen with flags will be effectively used at the exit/entry points during working stretch.
- (iii) As proposed, fresh water requirement from MCGM shall not exceed 45 KLD during operational phase and necessary permission shall be obtained.
- (iv) The wastewater will be treated in house in STP of advance treatment technology having 40 KLD capacity. The treated water shall be used for flushing and gardening etc. Only excess treated wastewater shall be considered for discharge after meeting the standard. Proper flow measuring devices are to be installed at outlet points.
- (v) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (vi) 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. As

proposed, 03 no. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.

- (vii) Bio-degradable shall be composted in Organic Waste Converter. As proposed, 25 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.
- (viii) As proposed, a total of 21 trees will be felled/cut for which the permission from Tree Authority constituted as per the Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 shall be obtained. However, tree cutting/transplantation should be taken where absolutely necessary. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted). In case of cut/non-survival of any transplanted tree, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree) shall be done and maintained
- (ix) As proposed, total area of 521 sqm (15% of plot area) shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.5.3.

Construction of Residential building with built area of 60,392.18 sqm on plot bearing CTS no. 134A/3 (Pt), CTS No. 134A/4 of village Akurli, Kandivali (E), Mumbai by M/s Neo Pharma Pvt. Ltd. - Environmental Clearance

(IA/MH/NCP/175122/2020; F.No. 21-79/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Enviro Analyst and Engineer Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The proposal is for proposed Development of Residential building on plot bearing CTS no. 134A/3 (Pt), CTS No. 134A/4 of village Akurli, Kandivali (E), Mumbai by M/s Neo-Pharma Pvt Ltd having Latitude- From 19°12'9.05"N to 19°12'10.21"N and Longitude – From 72°51'21.94"E to 72°51'22.39"E.
- (ii) The project is New. The details are as follows:

S. No.	Description	Details	
1.	Total Plot Area in sqm.	3763.40	
2.	Net plot area for the project under reference in sqm.	3763.40	
3.	Proposed BUA in sqm.	FSI Component in sqm	22,000.00
		Non-FSI Component in sqm	38,392.18
		Total BUA in sqm.	60,392.18
4.	Buildings	1.00	
5.	Number of tenements	310	
6.	Maximum height of the building in m	166.20	
Details of building			
Building Name	Building Configuration	Building Height (m)	
Tower 1	Residential building with ground floor/ stilt + 1 st podium + 2nd To 8th Podium + 9th podium/ as 1st Amenity Level + 2 nd Amenity Level + Service Floor + 1 to 40th Upper Residential Floors	166.20	

- (iii) During construction phase, total water requirement is expected to be 20-30 KLD which will be met by Tanker water. 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 requirement of the project is expected to be 211 KLD and the same will be met by MCGM. 136 KLD fresh water from MCGM and 75 KLD Recycled Water. Wastewater generated (177 KLD) will be treated in 1 STP of total 190 KLD capacity. of treated wastewater will be recycled and re-used (69 KLD for flushing, 6 KLD for gardening etc.). Balance excess treated water shall be disposed to municipal drain.
- (v) About 0.73 TPD solid wastes will be generated in the project. The biodegradable waste 0.438 TPD will be processed in OWC and the non-biodegradable waste generated 0.292 TPD will be handed over to authorized local vendor.
- (vi) The total power requirement during construction phase is 200 KVA and will be met from Tata / Adani and total power requirement during operation phase is 1598 KVA and will be met from Tata/ Adani power
- (vii) Rooftop rainwater of buildings will be recharged in 03 nos of recharge pit total capacity 94.50 cu.m.
- (viii) Parking facility for 352 nos. four wheelers proposed to be provided.
- (ix) Proposed energy saving measures would save about 16.07 % of power.
- (x) The project is 2-3 km away from notified ESZ of SGNP notified vide notification number 3645 (E) dated 5th December 2016.and beyond 10.00 km of proposed ESZ of Thane Creek Flamingo Sanctuary. NBWL Clearance is not required.
- (xi) Forest Clearance is not required.
- (xii) No Court case is pending against the project.
- (xiii) As per local regulations required LOS (RG) is 752.268 sqm. Proposed LOS (RG) is 765.687 sqm. Out of total LOS (RG) of 765.687 sqm, 452.931 sqm. of RG is proposed at ground level & balance RG of 312.756 sqm. is proposed at top most podium level open to sky. Out of 452.931 sqm. of RG proposed at ground level, area admeasuring 312.756 sqm. is proposed on mother earth and balance RG is provided at ground level as paved RG. 9 numbers of trees are proposed to be cut.
- (xiv) Expected timeline for completion of the project: 7 Years
- (xv) Investment/Cost of the project is Rs. 234.64 (Crore).
- (xvi) Employment potential: 25 nos. shall be provided with temporary housing facilities Around 75 nos. labors will come to site during peak construction phase. This is a Residential project which will create 30 nos. direct employment and 20 indirect employment during the operation phase
- (xvii) Benefits of the project: The project will improve the infrastructure of the surrounding area, will generate direct and indirect employment during construction and operation phase. The project has all infrastructure like STP, OWC, RWH system, Solar PV panels etc to mitigate the impact on the surrounding environmental.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from MCGM shall not exceed 136 KLD during operational phase and necessary permission shall be obtained.
- (iii) The wastewater will be treated in house in STP of advance treatment technology having 190 KLD capacity. The treated water shall be used for flushing and gardening etc. Only excess treated wastewater shall be considered for discharge after meeting the standard. Proper flow measuring devices are to be installed at outlet points.
- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) 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. As proposed, 03 no. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (vi) Bio-degradable shall be composted in Organic Waste Converter. As proposed, 74 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.
- (vii) As proposed, a total of 9 trees will be felled/cut for which the permission from Tree Authority constituted as per the Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 shall be obtained. However, tree cutting/transplantation should be taken where absolutely necessary. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted). In case of cut/non-survival of any transplanted tree, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree) shall be done and maintained
- (viii) As proposed, total area of 765.69 sqm (20% of plot area) shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.5.4.

Construction of Residential and Commercial development with built up area of 71,532.55 sqm at plot bearing CTS No. 24, 24/1, 24/2, 24/3, Chandivali, Mumbai, Maharashtra by M/s. Godrej Properties Limited - Environmental Clearance

(IA/MH/MIS/177865/2020; F.No. 21-81/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Aditya Environmental Services Pvt. Ltd. Mumbai made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at 19°06'25.00" N Latitude and 72°54'07.00 E Longitude.
- (ii) The project is new. The total plot area is 12,830.90 sqm, FSI area is 38,082.97 sqm and total construction (Built-up) area of 71,532.55 sqm. The project will comprise of 9 residential towers 5 Towers with 15 Floors and 4 Towers with 16 Floors with convenience shopping. Total 507 nos. of flats shall be developed. Maximum height of the building is 51.2 m [5 Towers of configuration: 3B + S + 15 Floors (Height: 48.2 m) & 4 Towers of configuration: 3B + S + 16 Floors (Height: 51.2 m)]. The details of building are as follows:

S. No.	Building	Building Configuration	No. of flats	Height (m)
1.	Tower 1	3B + S + 15 Floors	42	48.2m
2.	Tower 2	3B + S + 15 Floors	40	48.2m
3.	Tower 3	3B + S + 15 Floors	53	48.2m
4.	Tower 4	3B + S + 15 Floors	55	48.2m
5.	Tower 5	3B + S + 15 Floors	55	48.2m
6.	Tower 6	3B + S + 16 Floors	85	51.2m
7.	Tower 7	3B + S + 16 Floors	58	51.2m
8.	Tower 8	3B + S + 16 Floors	43	51.2m
9.	Tower 9	3B + S + 16 Floors	76	51.2m
	Total	-	507	-
Retail/Commercial area: 3750.76 sq.m				

- (iii) During construction phase, total water requirement is expected to be 43.5 KLD which will be met by MCGM and 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 labor force.
- (iv) During operational phase, total water requirement of the project is expected to be 385 KLD and the same will be met by Municipal Supply, Recycled water and Tanker water. 233 KLD fresh water from MCGM and 137 KLD Recycled Water. Wastewater generated (326 KLD) will be treated in 1 STP of total 345 KLD capacity. 309 KLD of treated wastewater will be recycled and re-used (117 KLD for flushing, 20 KLD for gardening). About 172 KLD will be disposed in to municipal drain.
- (v) About 1564 TPD solid wastes will be generated in the project. The biodegradable waste (625 TPD) will be processed in OWC and the non biodegradable waste generated (939 TPD) will be handed over to authorized local vendor.
- (vi) The total power requirement during construction phase is 400 KVA and will be met from ADANI/TATA and total power requirement during operation phase is (total connected load: 10174.22 KW, total demand load: 2790.37 KW) and will be met from ADANI/TATA.
- (vii) Rooftop rainwater of buildings will be collected in 2 nos. of RWH tanks of total 100 KLD capacity for harvesting after filtration.
- (viii) Parking facility for 778 nos. of four wheelers and 141 nos. of two wheelers is proposed to be provided against the requirement of 587 nos. and 141 nos. respectively (according to local norms).
- (ix) Proposed energy saving measures would save about 20.29 % of power.
- (x) Site is located 6 kms from the Thane Creek Flamingo Sanctuary. If applicable, due procedure for statutory clearance from NBWL will be followed.

- (xi) Forest Clearance is not required.
- (xii) No Court case is pending against the project.
- (xiii) Green belt development and Details of tree felling/transplantation: There are 69 trees exists on the site. Out of the total trees 46 trees will be retained and 10 trees will be transplanted & 13 trees will be cut.
- (xiv) Expected timeline for completion of the project: 31st December 2023.
- (xv) Investment/Cost of the project is Rs. 330 Crores.
- (xvi) Employment potential: Employment potential during construction phase. During operation phase, residential areas will employ staff for household work, retail areas will employ workers/ helpers.
- (xvii) Benefits of the project: Activities like Provision of public health and sanitation facilities and Avenue plantation will be envisaged under the proposed CER program.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC also noted that the proposal consists of a Residential and Commercial Project located at Plot bearing CTS No. 24, 24/1, 24/2, 24/3 of village Chandivali, Mumbai. The plot under reference is for industrial use as per DP and will be developed for residential use after change of land use. The process for land use change from industrial to Residential is under process. The proposed development involves construction of 9 residential towers- 5 Towers with 15 Floors and 4 Towers with 16 Floors with convenience shopping.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from MCGM shall not exceed 233 KLD during operational phase and necessary permission shall be obtained.
- (iii) The wastewater will be treated in house in STP of advance treatment technology having 190 KLD capacity. The treated water shall be used for flushing and gardening etc. Only excess treated wastewater i.e. 172 KLD shall be discharged after meeting the standard. Proper flow measuring devices are to be installed at outlet points.
- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) 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. As

proposed, 02 no. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.

- (vi) Bio-degradable 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. The inert waste from project will be sent to designated/authorized landfill site.
- (vii) As proposed, a total of 13 trees will be felled/cut and 10 trees will be transplanted for which the permission from Tree Authority constituted as per the Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 shall be obtained. However, tree cutting/transplantation should be taken where absolutely necessary. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted). In case of cut/non-survival of any transplanted tree, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree) shall be done and maintained
- (viii) As proposed, total area of 2882.22 sqm shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.5.5.

Integrated Logistic Park "Welspun One Logistic Park Bhiwandi" with Built-up area 369,479.00 sqm at Bapgaon & Lonand Village, Taluka Bhiwandi, District Thane, Maharashtra by M/s DBG Estate Pvt. Ltd. - Environmental Clearance

(IA/MH/MIS/176254/2020; F.No. 21-60/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Perfect Enviro Solutions Private Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at Latitude- 19°17'1.61"N & Longitude- 73° 8'29.76"E. The project is new.
- (ii) Terms of Reference was granted to the project by SEIAA vide letter no. SIA/MH/NCP/52875/2020 dated 26.06.2020.
- (iii) The total plot area of the project will be 4,48,270.24 sqm (110.76 Acres), total net plot area will be 4,03,443.22 sqm, the total FSI area will be 3,69,479 sqm, Total ground coverage area will be 2,29,477.42 sqm, Mezzanine floor area will be 4914.23 sqm, Other built Up area will be 4,03,443.22 sqm. The total built-up area will be 3,69,479.00 sqm. The total number of floors will be Ground+Mezzanine. The total number of buildings will be 16 Warehouses (11 No. in North Park; 5 Nos. in South Park) Maximum height of the building will be 13.70 m. The details of the building are as follows:-

Description	Unit	Proposed Area
Plot Area	sqm	448270.24
Deduction	sqm	44827.02 (10% open Space)
Net Plot Area	sqm	403443.22
Total FSI (Per)	sqm	403443.22
Total FSI Area (Proposed)	sqm	369479
Ground Coverage-A	sqm	229477.42

Mezzanine floor-B	sqm	4914.23
Other built up area-C	sqm	135087.35
Non FSI-D	sqm	-
Built Up Area (A+B+C+D)	sqm	3,69,479.00
Green Area	sqm	88,381.00
Surface parking area	sqm	50,438.56
Road Areas	sqm	35,146.24
No. of Floors	-	Ground+Mezzanine
No.of buildings		16 Warehouses (11 No. in North Park; 5 Nos. in South Park)
Height of building	No.	13.70

- (iv) The proposed development is related to the construction of warehousing and logistics sheds to the E-commerce (domestic items), 3PL, automobile and ancillary companies and many more. Mainly orange & green category storage units will be there. There will be no chemical storage (hazardous as per MSIHC rules) within the proposed logistic park.
- (v) During Construction Phase total 25 KLD water will be required, out of which 11 KLD of construction water will be sourced from nearby STP treated water through tankers and 14 KLD of domestic water requirement for 300 No. of labours will be met through by tankers. During the construction period, runoff from the construction site shall not be allowed to stand (water logging) or enter into the roadside or nearby drain. Mobile Sewage Treatment Plant will be provided for disposal of waste water. Temporary sanitary toilets shall be provided during peak labour force.
- (vi) During Operation Phase total water requirement of the project will be 428 KLD out of which 267 KLD fresh water will be met by TMC/Gram Panchayat. Total waste water generation from the project will be 170 KLD which will be treated in STP of capacity 180 KLD (50 KLD, 50 KLD, 75 KLD & 5 KLD) based on MBBR technology. Total 161 KLD treated wastewater generated from the STP which will be used to meet the requirement for flushing and gardening.
- (vii) About 0.675 TPD solid wastes will be generated in the project. The biodegradable waste 0.270 TPD will be treated in an Organic Waste Converter & converted to manure and the non-biodegradable waste generated 0.203 TPD which will be given to the approved recycler and plastic waste generated 0.202 TPD which will be given to the approved recycler. The used oil generation from the project will be 126 lit./month & E-waste of 5-10 kg/month will be collected and given to the approved recycler.
- (viii) The total power connected load will be 11 MVA, total power demand load will be 7 MVA through 18 x 630 KVA Transformers which will be met by Maharashtra State Electricity Distribution Company Ltd. (MSEDCL). In case of power failure, power backup will be provided through DG sets of capacities of 18x500 kVA that will be installed. To prevent the impact of air emissions, stack heights of 4.5 m above roof level will be installed in accordance with CPCB norms.
- (ix) Rooftop rainwater of buildings will be collected in 48 nos. of RWH pits of total 5681 KLD capacity for harvesting after filtration.
- (x) The parking provision will be 1028 ECS
- (xi) Proposed energy saving measures would save about 37.41% of total power
- (xii) NBWL clearance is not required.
- (xiii) No forest clearance is required

- (xiv) No court case is pending against the project. An undertaking for no litigation has been submitted along with the EIA Report.
- (xv) The green belt will be developed at the site with a total green area of 88,381.00 sqm (21.9 % of the total net plot area). Total no. of trees proposed at site 4035.
- (xvi) Expected timeline for completion of the project: 4-5 years
- (xvii) Investment/Cost of the project: The total project cost of the project is Rs. 550 crores
- (xviii) Employment potential: Approx. 300 labourers will be hired during the construction phase and During operation phase the total population of the project will be 3200 persons comprising staff and visitors.
- (xix) Benefits of the project: The construction and operation will promote a healthy environment for all involved, and it will not disrupt the land, water, resources and energy in and around the building. Energy efficient building material during the construction stage will help in the reduced impact on the environment directly & indirectly. It will provide employment to the people during the construction and operation phase directly & indirectly. Additional employment opportunities will lead to a rise in the income and improve their standard of living.

The EAC noted that 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 State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC further noted that as per the ToR condition Hydrology study of the catchment area was done as two streams are passing through the plot and distance of plot from Ulhas river is 140 meters. The Hydrology study of the catchment area was presented by PP. Out of two streams, one stream which flows from NE-SW will be re-routed with due permission to avoid the major difference in natural flow. The project will be a zero discharge warehouse as all the waste water generated will be treated in inhouse STP of combined capacity of 180 KLD (50 KLD, 50 KLD, 75 KLD & 5 KLD) and treated water will be reused for flushing or gardening.

The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) NOC for diverting the drain shall be obtained from Irrigation/concerned Department.
- (iii) There will be no chemical storage (hazardous as per MSIHC rules) within the proposed logistic park.
- (iv) As proposed, fresh water requirement from TMC/Gram Panchayat shall not exceed 267 KLD during operational phase and necessary permission shall be obtained.
- (v) The wastewater will be treated in house in STPs of advance treatment technology having 180 KLD capacity. The treated water shall be used for flushing and gardening etc. As proposed, no treated water shall be discharged to Municipal drain. Wastewater should not be released in to the artificial creek drain made adjacent to the park.
- (vi) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing

(specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.

- (vii) 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. As proposed, 48 no. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (viii) Bio-degradable 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. The inert waste from project will be sent to designated/authorized landfill site.
- (ix) No tree felling/transplantation has been proposed in the instant project. As proposed, total area of 88381 sqm (21.9% of net plot area) shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.5.6.

Greenfield CETP and Incineration Plant at Plot No D-23,24, 25,26 UPSIDC Industrial Area, Village Gopalpur, Tehsil Sikandrabad, District Bulandshahar, Uttar Pradesh by M/s Unnat Udhog Pvt Ltd - Reconsideration Environmental Clearance

(IA/UP/MIS/50520/2016; F. No. 10-26/2016-IA.III)

The EAC noted the following:-

- (i) The proposal is for grant of Environmental Clearance to the project Greenfield CETP and Incineration Plant at Plot No D-23,24, 25,26 UPSIDC Industrial Area, Village Gopalpur, Tehsil Sikandrabad, District Bulandshahar, Uttar Pradesh by M/s Unnat Udhog Pvt Ltd.
- (ii) The project/activity is covered under category A of item 7(d) 'Common hazardous waste treatment, storage and disposal facilities (TSDFs)' and 7(h) 'Common Effluent Treatment Plant (CETP)' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central level by sectoral EAC.
- (iii) Terms of Reference (ToR) was granted by MoEF&CC vide F.No. 10-26/2016-IA-III dated 04.05.16 and subsequent amendment in ToR vide letter dated 16.10.2018.
- (iv) The proposal was considered by the EAC (Infra-20 in its 41st meeting held during 27-29 May, 2019, wherein, the EAC asked the project proponent to submit additional information.
- (v) Project Proponent has submitted the additional information on Parivesh Portal on 23.09.2020.

*The EAC deliberated upon the information provided by the project proponent. The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, **recommended the** project for grant of environmental clearance and stipulated the following specific conditions along with other Standard EC Conditions as specified by the Ministry vide OM dated 04.01.2019 for the said project/activity (specified at **Annexure-2 and Annexure-5** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA

- Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) The Project proponent should ensure that the facility fulfils all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 & the Protocol for 'Performance Evaluation and Monitoring for the same as published by the CPCB and Bio-Medical Waste Management Rules, 2016.
 - (iii) It shall be ensured that all the project operations/activities shall be carried out under the best management practices.
 - (iv) All possible measures shall be adopted for odour control shall be controlled by providing proper ventilation in the site, spraying ecosorb (organic and biodegradable chemical) around odour generation areas at regular intervals and by developing greenbelt with odour control species.
 - (v) Fresh water of 4 KLD will be met from tanker supply. No ground water abstraction shall be done at site.
 - (vi) 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.
 - (vii) As proposed, sufficient Greenbelt shall be developed in area of the proposed facility with native species (as per CPCB guidelines). It shall be ensured that all the trees and other plantation within facility do not in any way encourage the incorporation of toxic materials in the food chain
 - (viii) As proposed, onsite and off-site disaster management plan shall be operationalised in consultation with district level authority in order to minimize the hazards to human health or environment from fires, explosion or any unplanned sudden or continuous release of hazardous waste or hazardous waste constituents to air, soil or surface water.
 - (ix) The Project Proponent and the State Pollution Control Board should ensure that the membership of the CETP is restricted to only those industries which legitimately exist in the area. A list of industries in this regard shall be prepared by the Association which will have the following details.
 - Name of Industry
 - Office Address
 - Location of Industry
 - Status of Consent under Water Act along with order number.
 - Status of consent under Air Act along with order number.
 - Production capacity as per consent orders.
 - Total industrial Effluent to CETP as per consent order.
 - (x) Members units shall only be allowed access to the CETP if they have consent from the State Pollution Control Board. Members units shall only be allowed access to the CETP if they have consent from the State Pollution Control Board. Individual members to the CETP shall treat their effluents in Primary treatment systems to the Inlet quality standards of the CETP as prescribed by the State Pollution Control Board.
 - (xi) All tankers carrying untreated wastes and all hazardous and other wastes shall be properly labeled and transported as per the Hazardous and Other Wastes (Management and Transboundary) Rules, 2016. All the vehicles shall be equipped with GPS tracking system. Vehicle loaded with liquid waste should not be allowed to move outside the industrial premises.
 - (xii) Conformance to the influent and effluent standards shall be the responsibility of the CETP. Periodical monitoring shall be carried out for the functioning of CETP and outlet parameters.

- (xiii) Individual Members shall segregate their wastes in to concentrated and diluted streams and also as per the nature of chemical contamination vis. Cr+6, Ni, Pb, Zn etc. and store them as per conditions to be specifically imposed in this regard by the State Pollution Control Board.
- (xiv) Chemical recovery and reuse, either in-house or outside shall be practiced to the satisfaction of the State Pollution Control Board. Use in agriculture shall be exercised with caution after getting the irrigation management plan approved by the SPCB.
- (xv) Any changes in the manufacturing process, installed capacity or the quality or quantity of effluents as agreed upon in the initial MOU between the operator and the member units, will only be done after an approval of the State Pollution Control Board in the matter.

Agenda item No. 56.5.7.

Proposed Residential Building with built up area of 63,070.406 sqm on Final Plot No. 459 and 495 at Panvel, Taluka Panvel, District Raigad, Maharashtra by M/s Kalpataru & Sharyans - Environmental Clearance

(IA/MH/MIS/177263/2020; F.No. 21-82/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Enviro Analysts & Engineers Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) Proposed Residential Building on Final Plot No. 459 and 495 at Panvel, Taluka Panvel, District-Riagad, Maharashtra. by M/s Kalpataru + Sharyans. Latitude From 18°58'40.13"N to 18°58'44.54"N and Longitude – From 73° 6'47.87"E to 73° 6'44.92"E.
- (ii) The project is New. Total area of the plot is 9,623.00 sqm. After deducting area under road set becks, net plot area under consideration is 9,255.33 sqm. FSI area is 39,335.15 sqm, Non FSI area is 23,735.256 sqm, and total construction (Built-up) area of 63,070.406 sqm. The project will comprise of one building viz. Building No.1 with 4 wings. Total 458 nos. flats shall be developed. Maximum height of the building is 69.95 m. The details of building are as follows:

Building Name	Building Configuration	Building Height (m)
Wing A, Wing B, Wing C & Wing D	2 Basements + Ground/Stilt+1 st floor (Resi.+Podium) and 2 nd floor (Resi.+Podium) + 3 rd to 19 th floors	60.35 m

- (iii) During construction phase, total water requirement is expected to be 20-30 KLD which will be met by Tanker water. 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 requirement of the project is expected to be 338 KLD and the same will be met by PMC. 210 KLD fresh water from PMC and 128 KLD Recycled Water. Wastewater generated (278 KLD) will be treated in 1 STP of total 290 KLD capacity. 128 KLD of treated wastewater will be recycled and re-used (107 KLD for flushing, 11 KLD for gardening etc.). Balance treated water will be disposed in to municipal drain.
- (v) About 1.045 TPD solid wastes will be generated in the project. The biodegradable waste (0.418 TPD) will be processed in OWC and the non-biodegradable waste generated (0.627 TPD) will be handed over to authorized local vendor.

- (vi) The total power requirement during construction phase is 200 KVA and will be met from TATA/Adani/MSEDCL and total power requirement during operation phase is 1831 KVA and will be met from Tata/ Adani power. One DG set of 630 KVA will be provided during operation phase.
- (vii) Rooftop rainwater of buildings will be Recharged in 05 nos. of Recharge pit.
- (viii) Parking facility for 267 nos. four wheelers and 1176 nos. two wheelers is proposed to be provided against the requirement of 241 nos. and 1202 nos. respectively (according to local norms).
- (ix) Proposed energy saving measures would save about 19 % of power.
- (x) The project is at 4 km away from the notified ESZ of Karnala Bird sanctuary and as per MoEFCC Notification SO 230 (E) dated 22.01.2016 is outside the notified zone of Bird Sanctuary. NBWL Clearance is not required.
- (xi) Forest Clearance is not required.
- (xii) No Court case is pending against the project.
- (xiii) Green belt development: 926 sqm RG required and 926 sqm provided. 30 nos. of trees will be cut.
- (xiv) Expected timeline for completion of the project is 7 Years.
- (xv) Investment/Cost of the project is Rs 225 Crore.
- (xvi) Employment potential: 100 nos. shall be provided with temporary housing facilities Around 70 nos. labors will come to site during peak construction phase. This is a Residential project which will create 50 nos. direct employment and 80 nos. indirect employment during the operation phase.
- (xvii) Benefits of the project: The project will improve the infrastructure of the surrounding area, will generate direct and indirect employment during construction and operation phase. The project has all infrastructure like STP, OWC, RWH system, Solar PV panels etc to mitigate the impact on the surrounding environmental.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from PMC shall not exceed 210 KLD during operational phase and necessary permission shall be obtained.
- (iii) The wastewater will be treated in house in STPs of advance treatment technology having 290 KLD capacity. The treated water shall be used for flushing and gardening etc. Only excess treated wastewater shall be considered for discharge after meeting the standard. Proper flow measuring devices are to be installed at outlet points.

- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) 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. As proposed, 5 no. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (vi) Bio-degradable 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. The inert waste from project will be sent to designated/authorized landfill site.
- (vii) As proposed, a total of 30 trees will be felled/cut for which the permission from Tree Authority constituted as per the Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 shall be obtained. However, tree cutting/transplantation should be taken where absolutely necessary. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted). In case of cut/non-survival of any transplanted tree, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree) shall be done and maintained.
- (viii) As proposed, total area of 926 sqm (10% of net plot area) shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.5.8.

Construction of Residential cum Commercial Project with built area of 1,00,253.85 sqm at Sy. No. 38/1, 39/1 & 40/1, Village Kausa, Taluka Mumbra, District Thane, Maharashtra by M/s Virani Construction Company - Environmental Clearance

(IA/MH/NCP/177191/2020; F.No. 21-76/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Mahabal Enviro Engineers Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) The project is located at 19^o10'22.21"N Latitude and 73^o01'53.96"E Longitude
- (ii) The project is new for construction of Residential cum commercial buildings project on land bearing S. No. 38/1, 39/1 & 40/1 at village Kausa, Mumbra, Tal & District Thane, Maharashtra, by M/s Virani Construction Company.
- (iii) The total plot area is 21,770 sqm. FSI area is 49,895.13 sqm and total construction area is 1,00,253.85 sqm. The project will have 6 Residential cum commercial buildings with total 1,073 flats and commercial area of 2,964 sqm, 5 Nos. of parking podiums/levels for car parking and 1 Club House. Maximum Height of the building is 78.45 m. The details of the Bldg. is as follows:

Building	Building Configuration	Nos. of flats and Comm area (sqm)	Height (m)
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Bldg. 1	G/S+1 st to 22 nd floors	Flats: 210 Nos. Comm area: 442.31 sqm	68.15
Bldg. 2	G/S+1 st to 22 nd floors	Flats: 210 Nos. Comm area: 409.29 sqm	68.15
Bldg. 3	G/S + 1st to 3rd (pt) commercial/(pt) Residential + 4th to 22nd floors	Flats: 205 Nos. Comm area: 1,148.23 sqm	68.15
Bldg. 4	G/S + 1 st to 3 rd (pt) commercial/(pt) Residential + 4 th to 22 nd floors	Flats: 118 Nos. Comm area: 964.53 sqm	68.15
Bldg. 5	S+1 st to 25 th floors	Flats: 238 Nos.	78.45
Bldg. 6	S +1 st to 16 th floors	Flats: 92 Nos.	49.85
Parking levels	S + 4 Podium	-	16.45
Club House	Lower+ upper floors (above parking levels)	-	8.0

- (iv) During construction phase, total water requirement is expected to be 150 KLD which will be met by tanker water/ treated water from nearby STP. 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.
- (v) During operational phase, total water demand of the project is expected to be 738 KLD and same will be met by 490 KLD fresh water from Thane Municipal Corporation (TMC) and 248 KLD recycled water. Wastewater generated (689 KLD) will be treated in 1 STP of 700 KLD capacity. 248 KLD and 27 KLD of treated water will be recycled for flushing and gardening respectively. About 407 KLD treated water will be discharged into the Municipal sewer lines.
- (vi) About 2,742 kg/d solid waste will be generated in the project. The biodegradable waste (1,645 kg/d) will be processed in mechanical composting and the non-biodegradable waste generated (1,097 kg/d) will be handed over to authorized local vendor/ Municipal collection system.
- (vii) The total power requirement during construction phase is 200 kVA and will be met from MSEDCL and Total power requirement during operation phase (Demand load) is 3.8 MW and will be met from MSEDCL.
- (viii) Rooftop rainwater of building will be collected in 04 RWH tanks of total 150 m³ capacity for harvesting after filtration.
- (ix) Parking facilities for 735 nos. of four wheelers and 1,121 nos. of two wheelers are proposed to be provided against the requirement of 727 nos of four wheelers and 1,121 nos of two wheelers respectively (according to local norms).
- (x) Proposed energy saving measures would save about 21.6 % of (Total demand) power.
- (xi) Project site does not come under the any Critically Polluted area.
- (xii) The project site is located at distance of 10 km from the Sanjay Gandhi National Park (SGNP) protected area. However, the site is outside of the ESZ (i.e. 100 m) of SGNP as notified vide Notification No. S. O. 3645 (E) dated 05.12.2016. Also, Project site is located within the 10 of Thane creek flamingo sanctuary (TCFS) at a distance of 5.0 km from the protected area of TCFS. It is also out of the proposed draft ESZ of TCFS vide notification published by the MoEF&CC dt. 06.11.2019.

- (xiii) As per the ESZ notification of SGNP, vide no. S. O. 3645 (E) dated 05.12.2016, project site is outside of ESZ i.e. (100 m) at a distance of 10 km. As per the draft Notification of TCFS, the site is at distance of 5 km and the same is also the outside of ESZ.
- (xiv) No Forest land is involved in the project.
- (xv) There is no court case pending against the project.
- (xvi) Greenbelt/Recreational ground requirement as per the rule (local norms) is 4,594.50 sqm and we have provided 5,398.26 sqm. There are no trees on site. 230 nos. of additional trees will be planted in the proposed development.
- (xvii) The project will be completed within 4-5 years.
- (xviii) Investment/Cost of the project is Rs. 200 Crore.
- (xix) Employment potential: During construction: 100 Nos. During Operation: 100 Nos. (Household activity/ ancillary services) + 300 (Commercial Jobs).
- (xx) Benefits of the project: The proposed project will be giving the good quality of livelihood to people. The project will generate employment (employment for household activity and commercial 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.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from Thane Municipal Corporation shall not exceed 490 KLD during operational phase and necessary permission shall be obtained.
- (iii) The wastewater will be treated in house in STPs of advance treatment technology having 700 KLD capacity. The treated water shall be used for flushing and gardening etc. Only excess treated wastewater, not more than 50% of wastewater generation, shall be considered for discharge after meeting the standard. Proper flow measuring devices are to be installed at outlet points.
- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) 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. As

proposed, 4 no. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.

- (vi) Bio-degradable shall be composted in Organic Waste Converter. As proposed, 45 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.
- (vii) No tree felling/transplantation has been proposed in the instant project. As proposed, total area of 5398.26 sqm shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.5.9.

Construction of Residential project with built up area 92,434.682 sqm at Plot bearing CTS No. 94C, 94B, 94D and 94A of village Wadhwan situated at Kandivali (East), Mumbai by M/s Kalpataru Retail Ventures Pvt. Ltd. - Environmental Clearance

(IA/MH/MIS/174125/2020; F.No. 21-77/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s. Enviro Analysts And Engineers Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) Proposed Residential Project is at Plot bearing CTS No. 94C, 94B, 94D and 94A of village Wadhwan situated at Kandivali (East), Mumbai by M/s Kalpataru Retail Ventures Pvt. Ltd. having Latitude from 19°11'50.39"N to 19°11'55.08"N and Longitude from 72°51'18.73"E to 72°51'20.59"E.
- (ii) The project is New. The details of the project are as follows:

Sr. NO.	Description	Details	
1.	Total Plot Area in sq.m.	12,285.00	
2.	Net Plot area in sq.m.	9215.33	
3.	Proposed BUA in sq.m.	FSI Component in sqm	39,291.51
		Non-FSI Component in sqm	53,052.19
		Total BUA in sqm.	92,343.70
4.	Buildings	2.00	
5.	Number of Tenements	Building No.1	382 Tenements + 9 Shops
		Building No.2	40
6.	Maximum height of the building in m	133.45	

- (iii) The details of building are as follows:.

Building Name	Building Configuration	Building Height (m)
B-1 Wing A	2 Basements + Gr./Stilt for parking/ shops + 1st Podium partly for shops and partly for Parking + 2 nd to 3rd Podiums for Parking + 4th Podiums / Stilt Floor + 5th to 39 th Floors	133.45
B-1 Wing B	2 Basements + Gr./Stilt for parking + 1st to 3rd Podiums for parking+ 4th Podiums / Stilt Floor + 5th to 39 th Floors	
Building No. 2	Gr + 10 Floors	31.775

- (iv) During construction phase, total water requirement is expected to be 20-30 KLD which will be met by Tanker water. 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.

- (v) During operational phase, total water requirement of the project is expected to be 336 KLD and the same will be met by 213 KLD fresh water from MCGM and 123 KLD Recycled Water. Wastewater generated (278 KLD) will be treated in 1 no. of STP of 265 KLD (for Residential + Shops) & 1 no. of STP 20 KLD (for EWS). 123 KLD of treated wastewater will be recycled and re-used (108 KLD for flushing, 15 KLD for gardening etc.). Balance treated waste water will be disposed in to municipal drain.
- (vi) About 1.18 TPD solid wastes will be generated in the project. The biodegradable waste (0.708 TPD) will be processed in OWC and the non biodegradable waste generated (0.473 TPD) will be handed over to authorized local vendor.
- (vii) The total power requirement during construction phase is 200 KVA and will be met from TATA / Adani and total power requirement during cooperation phase is 2637 KVA and will be met from Tata/ Adani power
- (viii) Rooftop rainwater of buildings will be recharged in 06 nos. of recharge pit total capacity 30 cu.m.
- (ix) Parking facility for 729 nos. four wheelers and 42 nos. two wheelers is proposed to be provided against the requirement of 680 nos. and nil respectively (according to local norms).
- (x) Proposed energy saving measures would save about 19.8 % of power.
- (xi) The project is 1-2 km away from the notified ESZ of SGNP as per notification bearing number SO 3645 (E) dated 05.12.2016.and beyond 10 km away from proposed ESZ of TCFS.
- (xii) NBWL Clearance is not required.
- (xiii) Forest Clearance is not required.
- (xiv) No court case is pending against the project.
- (xv) As per local regulations required LOS (RG) is 1843.06 sqm. Proposed LOS (RG) is 2364.88 sqm. Out of total LOS (RG) of 2364.88 sqm, 1,364.079 sqm. of RG is proposed at ground level & balance RG of 1000.810 sqm. is proposed at top most podium level open to sky. Out of 1,364.079 sqm. of RG proposed at ground level, area admeasuring 1198.042 sqm is proposed on mother earth and balance RG is provided at ground level as paved RG. 22 numbers of trees are proposed to be cut.
- (xvi) Expected timeline for completion of the project: 7 Years
- (xvii) Investment/Cost of the project is Rs 278.97 (Crore).
- (xviii) Employment potential: 25 nos. shall be provided with temporary housing facilities Around 100 nos. labors will come to site during peak construction phase. This is a Residential project which will create 50 nos direct employment and 100 nos. indirect employment during the operation phase.
- (xix) Benefits of the project: The project will improve the infrastructure of the surrounding area, will generate direct and indirect employment during construction and operation phase. The project has all infrastructure like STP, OWC, RWH system, Solar PV panels etc to mitigate the impact on the surrounding environmental.

The EAC noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

It was also noted that there are 51 existing trees on the proposed site. Out of which, 22 trees will be cut and 25 trees will be transplanted for which Tree NOC received vide letter No. Dy.SG/TA/Z-VII/34 dated 25.08.2020. 83 nos. of new plants are also proposed resulting the total no. of plants on the site as 119. Some trees having girth of 2.5 mt are also proposed to be transplanted. The EAC was of the view that such trees should be saved and accordingly alteration in the building should be done. The project proponent assured the EAC that they will endeavor to retain as many trees as possible.

*The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project subject to the following specific conditions and other Standard Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity (specified at **Annexure-7** of the minutes):*

- (i) The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
- (ii) As proposed, fresh water requirement from MCGM shall not exceed 213 KLD during operational phase and necessary permission shall be obtained.
- (iii) The wastewater will be treated in house in two STPs of advance treatment technology having 265 KLD and 20 KLD capacity. The treated water shall be used for flushing and gardening etc. Only excess treated wastewater shall be considered for discharge after meeting the standard. Proper flow measuring devices are to be installed at outlet points.
- (iv) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (v) 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. As proposed, 6 no. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (vi) Bio-degradable shall be composted in Organic Waste Converter. As proposed 60 sqm area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to designated/authorized landfill site.
- (vii) As proposed, a total of 22 trees will be felled/cut for which the permission from Tree Authority constituted as per the Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 shall be obtained. However, tree cutting/transplantation should be taken where absolutely necessary. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted). In case of cut/non-survival of any transplanted tree, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree) shall be done and maintained.
- (viii) As proposed, total area of 2364.88 sqm shall be developed as green area. A minimum of one tree for every 80 sqm of land should be planted and maintained. The existing trees should be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide

canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Agenda item No. 56.5.10.

Construction of Residential development with built up area of 3,25,221.92 sqm at old Survey No. 233 (Pt.), 235 (Pt.), and 256 (Pt.), (new survey no. 66 (Pt.), 68 (Pt.), and 69 (Pt.)) at village Penkarpada, Mira road, Thane, Maharashtra by M/s Eversmile Properties Pvt Ltd. - Terms of Reference

(IA/MH/MIS/176500/2020; F.No. 21-69/2020-IA-III)

The Project Proponent (PP) along with his accredited consultant M/s Enviro Analysts and Engineers Pvt. Ltd. made a presentation and presented following parameters and salient features of the project to the Committee:

- (i) M/s. Eversmile Properties Pvt. Ltd. has proposed a predominantly residential development at at old Survey No. 233 (pt.), 235 (pt.), and 256 (pt.), (new survey no. 66 (pt.), 68 (pt.), and 69 (pt.), at village Penkapada, Mira road, Thane.
- (ii) Total plot area of the project is 37,880.24 sq. mt. and total construction area of the project is 3,25,221.92 sqm. Total RG area proposed is 9,471.00 sqm. Total 10 no. of buildings of residential users are proposed including two towers of Multi-level car parking.

Building No.	Configuration	No. of units	Ht. of the Bldg.
T1 & T2	Shops at Gr. Floor		
T1	1B + Stilt/ shops + 42 upper Resi. floors	252.0	130.00
T2	1B + Stilt/ shops + 42 upper Resi. floors	336	130.00
T3	1B + Stilt + 42 upper Resi. floors	336.0	129.00
T4	1B + Stilt + 42 upper Resi. floors	336	129.00
T5	1B + Stilt + 41 upper Resi. floors	328.0	126.00
T6	1B + Stilt + 41 upper Resi. floors	328.0	126.00
T7	1B + Stilt + 42 upper Resi. floors	336	129.00
T8	1B + Stilt + 42 upper Resi. floors	336	130.00
MLCP 1	2 B + Gr. Floor + 9 upper floors	-	28.00
MLCP 2	2 B + Gr. Floor + 9 upper floors	-	28.00

- (iii) Total water requirement will be 1,805 KLD which will be sourced from MBMC supply. No ground water withdrawal is proposed. Sewage generation will be 1,537 KLD which will be treated in STP of 1550 KLD.
- (iv) Expected Waste Generation (Liquid and Solid) will be Total 6,597 kg/day (Wet Waste:3,920 kg/day, Dry Waste: 2,677 kg/day). Dry waste will be handed over to Local Recyclers for recycling. Wet waste will be processed in the OWC. Manure obtained shall be used for landscaping/gardening. Excess manure shall be sold to nearby end users.
- (v) Trees which are falling under proposed building line shall be cut as per tree NOC.
- (vi) Expected Power Requirement will be Connected load (kW) 35,281 kW and Demand load will be 14,494 kW.
- (vii) The project site 1.29 Km from notified ESZ of SGNP vide notification bearing number SO 3645 (E) dated 05.12.2016.
- (viii) Investment/Cost of the project is Rs. 1,050.00 Crore.

- (ix) Employment potential: Approximately 200 workers shall be employed for all the construction related activity on site.
- (x) Benefits of the project: The PP proposes a Residential township project. The project includes Residential building which shall improve the lifestyle of the people in that area. Due to the availability of infrastructure facilities near the project site people are willing to buy homes in Mira road area and nearby. Considering the socioeconomic condition of the people nearby the project. There shall be generation of employment opportunities during construction stage and also at operational phase development. Municipal Drainage system is well developed. Storm water drains are designed considering the elevation profile.

The EAC noted that 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 State level. However, due to absence of SEIAA/SEAC in Maharashtra, the proposal has been appraised at Central level by sectoral EAC.

The EAC was also informed that a small part of land admeasuring 1721.41 sqm as per CRZ Notification of 2011 is affected by CRZ-II on the landward side of the existing road. CRZ clearance for CRZ affected part of SNO.235(Pt.) & S.No.256(Pt.) (new survey no 68(Pt.) 69(Pt.)) is already obtained as per CZMP 2011 dated 7th June, 2019. As per draft CZMP of 2019, plot is not affected by CRZ.

The EAC deliberated upon the information provided by the project proponent. After detailed deliberation, EAC recommended granting Terms of Reference as specified by the Ministry as Standard ToR in April, 2015 for the said project/activity and the following ToR in addition to Standard ToR for preparation of EIA-EMP report:

- (i) Importance and benefits of the project.
- (ii) Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale.
- (iii) Recommendation of the Maharashtra CZMA.
- (iv) Submit superimposing of latest CZMP as per CRZ (2011) on the CRZ map.
- (v) Submit a complete set of documents required as per para 4.2 (i) of CRZ Notification, 2011.
- (vi) An assessment of the cumulative impact of all development and increased inhabitation being carried out or proposed to be carried out by the project or other agencies in the core area, shall be made for traffic densities and parking capabilities in 5 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning shall be submitted with the EIA. The Plan shall also include the consent of all the concerned implementing agencies.
- (vii) Permission from CGWA for abstraction of ground water, if any, for basement/excavation dewatering.
- (viii) Details of tree cutting/transplantation, if any.
- (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) Option analysis of onsite and off-site wastewater treatment generated during operational stage.
- (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.

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.

56.6 Any other item with the permission of Chair- Nil

The meeting ended with vote of thanks to the Chair.

LIST OF PARTICIPANTS OF EAC (INFRASTRUCTURE-2) IN 56th MEETING OF EAC (INFRASTRUCTURE-2) HELD DURING 21-23 OCTOBER, 2020 THROUGH VIDEO CONFERENCING

S. No.	Name	Designation	Attendance			Sign
			21.10.2020	22.10.2020	23.10.2020	
1.	Prof. T. Haque	Chairman	P	P	P	
2.	Dr. N. P. Shukla	Member	P	P	P	
3.	Dr. H. C. Sharatchandra	Member	P	P	P	
4.	Shri V. Suresh	Member	P	P	P	
5.	Dr. V. S. Naidu	Member	P	P	P	
6.	Shri B. C. Nigam	Member	P	P	P	
7.	Dr. Manoranjan Hota	Member	P	P	P	
8.	Dr. Dipankar Saha	Member	P	P	P	
9.	Dr. Jayesh Ruparelia	Member	P	P	P	
10.	Dr. (Mrs.) Mayuri H. Pandya	Member	A	A	A	
11.	Dr. M. V. Ramana Murthy	Member	A	A	A	
12.	Prof. Dr. P.S.N. Rao	Member	A	A	A	
13.	Shri Lalit Bokolia	Scientist F & Member Secretary	P	P	P	
14.	Shri Shard	Scientist E	P	P	P	

ANNEXURE-1

Standard EC Conditions for Project/Activity 7(a): Airport

I. Statutory compliance:

- (i) The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- (ii) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- (iii) The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
- (iv) The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
- (v) The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- (vi) Clearance from Directorate General of Civil Aviation (DGCA) and Airports Authority of India (AAI) for safety and project facilities shall be obtained.
- (vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- (viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.

II. Air quality monitoring and preservation:

- (i) The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the airport area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- (ii) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- (iii) 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.
- (iv) Soil and other construction materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty material wet
- (v) The excavation working area should be sprayed with water after operation so as to maintain the entire surface wet.
- (vi) Excavated materials shall be handled and transported in a manner that they do not cause any problems of air pollution.
- (vii) The soil/construction materials carried by the vehicle should be covered by impervious sheeting to ensure that the dusty materials do not leak from the vehicle.

III. Water quality monitoring and preservation:

- (i) Run off from chemicals and other contaminants from aircraft maintenance and other areas within the airport shall be suitably contained and treated before disposal. A spillage and contaminant containment plan shall be drawn up and implemented to the satisfaction of the State Pollution Control Board.
- (ii) Proper drainage systems, emergency containment in the event of a major spill during monsoon season etc. shall be provided.
- (iii) The runoff from paved structures like Runways, Taxiways, can be routed through drains to oil separation tanks and sedimentation basins before being discharged into rainwater harvesting structures.
- (iv) Storm water drains are to be built for discharging storm water from the air-field to avoid flooding/water logging in project area. Domestic and industrial waste water shall not be allowed to be discharged into storm water drains.
- (v) Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented. Rain water harvesting structures shall conform to CGWA designs. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease.
- (vi) Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
- (vii) Sewage Treatment Plant shall be provided to treat the wastewater generated from airport. Treated water shall be reused for horticulture, flushing, backwash, HVAC purposes and dust suppression
- (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 should be obtained.
- (ix) A detailed drainage plan for rain water shall be drawn up and implemented.

IV. Noise monitoring and prevention:

- (i) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- (ii) Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.
- (iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

- (iv) During airport operation period, noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- (v) Where construction activity is likely to cause noise nuisance to nearby residents, restrict operation hours between 7 am to 6 pm.

V. Energy Conservation measures:

- (i) Energy conservation measures like installation of LED/CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Waste management:

- (i) Soil stockpile shall be managed in such a manner that dust emission and sediment runoff are minimized. Ensure that soil stockpiles are designed with no slope greater than 2:1 (horizontal/vertical).
- (ii) The project activity shall conform to the Fly Ash notification issued under the E.P. Act of 1986.
- (iii) Solid inert waste found on construction sites consists of building rubble, demolition material, concrete; bricks, timber, plastic, glass, metals, bitumen etc shall be reused/recycled or disposed off as per Solid Waste Management Rules, 2016 and Construction and Demolition Waste Management Rules, 2016.
- (iv) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
- (v) The project proponents shall implement a management plan duly approved by the State Pollution Control Board and obtain its permissions for the safe handling and disposal of:
 - a. Trash collected in flight and disposed at the airport including segregation, collection and disposed.
 - b. Toilet wastes and sewage collected from aircrafts and disposed at the Airport.
 - c. Wastes arising out of maintenance and workshops
 - d. Wastes arising out of eateries and shops situated inside the airport complex.
 - e. Hazardous and other wastes
- (vi) The solid wastes shall be segregated as per the norms of the Solid Waste Management Rules, 2016. Recycling of wastes such as paper, glass (produced from terminals and aircraft caterers), metal (at aircraft maintenance site), plastics (from aircrafts, terminals and offices), wood, waste oil and solvents (from maintenance and engineering operations), kitchen wastes and vegetable oils (from caterers) shall be carried out. Solid wastes shall be disposed in accordance to the Solid Waste Management Rules, 2016 as amended.
- (vii) A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- (viii) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VII. Green Belt:

- (i) Green belt shall be developed in area as provided in project details, with native tree species in accordance with Forest Department. The greenbelt shall inter alia cover the entire periphery of the Air Port.
- (ii) Top soil shall be separately stored and used in the development of green belt.

VIII. Public hearing and Human health issues:

- (i) Construction site should be adequately barricaded before the construction begins.
- (ii) Traffic congestion near the entry and exit points from the roads adjoining the airport shall be avoided. Parking should be fully internalized and no public space should be utilized.
- (iii) Provision of Electro-mechanical doors for toilets meant for disabled passengers. Children nursing/feeding room to be located conveniently near arrival and departure gates.
- (iv) Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- (v) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (vi) Occupational health surveillance of the workers shall be done on a regular basis.

IX. Corporate Environment Responsibility:

- (i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 01.05.2018, as applicable, regarding Corporate Environment Responsibility.
- (ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- (iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- (iv) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- (v) Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous:

- (i) The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

- (ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- (iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- (iv) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- (v) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- (vi) The criteria pollutant levels namely; PM₁₀, PM_{2.5}, SO₂, NO_x (ambient levels) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (vii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- (viii) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- (ix) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- (x) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- (xi) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- (xii) The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- (xiii) The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- (xiv) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- (xv) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts/NGT and any other Court of Law relating to the subject matter.
- (xvi) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

ANNEXURE-2

Standard EC Conditions for Project/Activity 7(d): Common hazardous waste treatment, storage and disposal facilities (TSDFs)

I. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
- v. The Project proponent should ensure that the TSDF fulfils all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.
- vi. 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.
- vii. Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.
- viii. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- ix. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- x. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities

II. Air quality monitoring and preservation:

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
- v. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- vi. Appropriate Air Pollution Control (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; venturi 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) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- vii. The periodical monitoring of Dioxins and Furans in the Stack emissions shall be carried out. Analysis of Dioxins and Furans shall be done through CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory
- viii. Gas generated in the Land fill should be properly collected, monitored and flared
- ix. 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 02 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 02 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. Water quality monitoring and preservation:

- i. The project proponent shall install continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. 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.
- iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iv. No discharge in nearby river(s)/pond(s).

- v. The depth of the land fill site shall be decided based on the ground water table at the site.
 - vi. The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.
 - vii. All leachates arising from premises should be collected and treated in the ETP followed by RO. RO rejects shall be evaporated in MEE. Toxicity Characteristic Leaching Procedure (TCLP) test to be performed on leachates.
 - viii. The Company shall review the unit operations provided for the treatment of effluents, specially the sequencing of MEE after tertiary treatment, the source of permeate when no R.O. is recommended and the treatment of MEE condensate. The scheme for treatment of effluents shall be as permitted by the Pollution Control Board/Committee under the provisions of consent to establish.
 - ix. Scrubber water, leachate water or wheel wash effluent shall be treated in the effluent treatment plant followed by RO to achieve zero liquid discharge.
 - x. Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
 - xi. Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused within the project.
 - xii. 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 should be obtained.
 - xiii. Rain water runoff from hazardous waste storage area shall be collected and treated in the effluent treatment plant.
- IV. Noise monitoring and prevention:**
- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
 - ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
 - iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
- V. Energy Conservation measures:**
- i. Energy conservation measures like installation of LED/CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.
- VI. Waste management:**
- i. The TSDF should only handle the waste generated from the member units.
 - ii. Periodical soil monitoring to check the contamination in and around the site shall be carried out.
 - iii. No non-hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, shall be handled in the premises.
 - iv. The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.
 - v. The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
 - vi. A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
 - vii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- VII. Green Belt:**
- i. Green belt shall be developed in an area as provided in project details, with native tree species in accordance with Forest Department. The greenbelt shall inter alia cover the entire periphery of the project site.
 - ii. Top soil shall be separately stored and used in the development of green belt.
- VIII. Public hearing and Human health issues:**
- i. Traffic congestion near the entry and exit points from the roads adjoining the project site shall be avoided. Parking should be fully internalized and no public space should be utilized.
 - ii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 - iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 - iv. Occupational health surveillance of the workers shall be done on a regular basis.
- IX. Corporate Environment Responsibility:**
- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 01.05.2018, as applicable, regarding Corporate Environment Responsibility.
 - ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
 - iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
 - iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
 - v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- X. Miscellaneous:**
- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of

- the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
 - iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
 - iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
 - v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
 - vi. The criteria pollutant levels namely; PM_{2.5}, PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
 - vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
 - viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 - ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 - x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 - xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 - xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
 - xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
 - xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
 - xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts/NGT and any other Court of Law relating to the subject matter.
 - xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

ANNEXURE-3

Standard EC Conditions for Project/Activity 7(da): Bio-Medical Waste Treatment Facilities

- I. Statutory compliance:**
 - i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
 - ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 - iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (incase of the presence of schedule-I species in the study area)
 - iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
 - v. Transportation and handling of Bio-medical Wastes shall be as per the Bio-Medical Waste Management Rules, 2016 including the section 129 to 137 of Central Motor Vehicle Rules 1989.
 - vi. Project shall fulfill all the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 including collection and transportation design etc and also guidelines for Common Hazardous Waste Incineration - 2005, issued by CPCB Guidelines of CPCB/MPPCB for Bio-medical Waste Common Hazardous Wastes incinerators shall be followed.
 - vii. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
 - viii. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
 - ix. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities
- II. Air quality monitoring and preservation:**
 - i. The project proponent shall install emission monitoring system including Dioxin and furans to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - ii. Periodical air quality monitoring in and around the site including VOC, HC shall be carried out.
 - iii. Incineration plants shall be operated (combustion chambers) with such temperature, retention time and turbulence, so as to achieve Total Organic Carbon (TOC) content in the slag and bottom ashes less than 3%, or their loss on ignition is less than 5% of the dry weight of the material.
 - iv. Venturi scrubber (alkaline) should be provided with the incinerator with stack of adequate height (Minimum 30 meters) to control particulate emission within 50mg/Nm³.
 - v. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards. All necessary air pollution control devices (quenching, Venturi scrubber, mist eliminator) should be provided for compliance of emission standards.
 - vi. Masking agents should be used for odour control.
- III. Water quality monitoring and preservation:**
 - i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - ii. Waste water generated from the facility shall be treated in the ETP and treated waste water shall be reused in the APCD connected to the incinerator. The water quality of treated effluent shall meet the norms prescribed by State Pollution Control Board. Zero discharge should be maintained.
 - iii. Process effluent/any waste water should not be allowed to mix with storm water.
 - iv. Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
 - v. Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused within 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 should be obtained.
 - vii. The leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
 - viii. Magnetic flow meters shall be provided at the inlet and outlet of the ETP & all ground water abstraction points and records for the same shall be maintained regularly.
 - ix. Rain water runoff from hazardous waste storage area shall be collected and treated in the effluent treatment plant.
- IV. Noise monitoring and prevention:**
 - i. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- V. Energy Conservation measures:**
 - i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
 - ii. Provide LED lights in their offices and residential areas
- VI. Waste management:**
 - i. Incinerated ash shall be disposed at approved TSDF and MoU made in this regard shall be submitted to the Ministry prior to the commencement.
 - ii. The solid wastes shall be segregated as per the norms of the Solid Waste Management Rules, 2016.
 - iii. A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.

- iv. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016
- v. No landfill site is allowed within the CBWTF site
- vi. The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.

VII. Green Belt:

- i. Green belt shall be developed in area as provided in project details, with native tree Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.

VIII. Public hearing and Human health issues:

- i. Feeding of materials/Bio-medical waste should be mechanized and automatic no manual feeding is permitted.
- ii. Proper parking facility should be provided for employees & transport used for collection & disposal of waste materials.
- iii. Necessary provision shall be made for fire-fighting facilities within the complex.
- iv. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- v. 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 gradual release of hazardous waste or hazardous waste constituents to air, soil or surface water.
- vi. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- vii. Occupational health surveillance of the workers shall be done on a regular basis.

IX. Corporate Environment Responsibility:

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 01.05.2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous:

- i. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vi. The criteria pollutant levels namely; PM_{2.5}, PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

- xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts/NGT and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Standard EC Conditions for Project/Activity 7(g): Aerial ropeways

I. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
- v. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

II. Air quality monitoring and preservation:

- i. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission) covering upwind and downwind directions.
- ii. Appropriate Air Pollution Control (APC) system (both during the construction and operation) shall be provided for all the dust generating points *inter alia* including loading, unloading, transfer points, fugitive dust from all vulnerable sources, so as to comply prescribed standards.
- iii. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- iv. Adequate parking shall be constructed at upper terminal and lower terminal. PP shall ensure smooth traffic management.

III. Water quality monitoring and preservation:

- i. Storm water from the project area shall be passed through settling chamber.
- ii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- iv. Prior permission from competent authority shall be obtained for use of fresh water.
- v. No wastewater shall be discharged in open. Appropriate Water Pollution Control system shall be provided for treatment of waste water.
- vi. A certificate from the competent authority, in case of discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.

IV. Noise monitoring and prevention:

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time..

V. Energy Conservation measures:

- i. Energy conservation measures like installation of LED/CFLs/TFLs for lighting should be integral part of the project design and should be in place before project commissioning.
- ii. Solar energy shall be used in the project i.e. at upper terminal and lower terminal to reduce the carbon footprint.

VII. Waste management

- i. The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
- ii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
- iii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.

VIII. Public hearing and Human health/safety issues:

- i. Comply with the safety procedures, norms and guidelines (as applicable) as outlined in IS 5228, IS 5229 and IS 5230, code of practice for construction of aerial ropeways, Bureau of Indian Standards.
- ii. Maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition.
- iii. Ensuring that walking surfaces or boards at height are of sound construction and are provided with safety rails or belts.
- iv. The project should conform to the norms prescribed by the Director General Mine safety. Necessary clearances in this regard shall be obtained.
- v. Adequate infrastructure, including power, shall be provided for emergency situations and disaster management.
- vi. Adequate first aid facility shall be provided during construction and operation phase of the project.
- vii. Regular safety inspection shall be carried out of the ropeway project and a copy of safety inspection report should be submitted to the Regional Office.
- viii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

IX Corporate Environment Responsibility:

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 01.05.2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous:

- i. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vi. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- ix. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- x. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xiv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xv. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

ANNEXURE-5**Standard EC Conditions for Project/Activity 7(h): Common Effluent Treatment plants (CETPs)****I. Statutory compliance:**

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- vi. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

II. Air quality monitoring and preservation:

- i. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Diesel generating sets shall be installed, in the downwind directions.
- ii. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards.

III. Water quality monitoring and preservation:

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
- iii. There shall be flow meters at inlet and outlet of CETP to monitor the flow. Suitable meters shall be provided to measure the quantity of effluent received, quantity of effluent recycled/reused and discharged.
- iv. The units and the CETP will maintain daily log book of the quantity and quality of discharge from the units, quantity of inflow into the CETP, details of the treatment at each stage of the CETP including the raw materials used, quantity of the treated water proposed to be recycled, reused within the Industrial park/units, quantity of the treated effluent discharged. All the above information shall be provided on-line of the web site exclusively prepared for the purpose by the CETP owner. The website shall be accessible by the public. The financial and energy details of the CETP will also be provided along with details of the workers of the CETP.
- v. The CETP operator will maintain an annual register of member units which will contain the details of products with installed capacities and quality and quantity of effluents accepted for discharge. This will form a part of the initial and renewal applications for consent to operate to be made before the State Pollution Control Board.
- vi. No changes in installed capacity, quality or quantity of effluents as agreed upon in the initial MOU between the operator and the member units, addition of any new member units shall be carried without prior approval of the ministry
- vii. The Unit shall inform the State Pollution Control Board at least a week prior to undertaking maintenance activities in the recycle system and store/dispose treated effluents under their advice in the matter.
- viii. The unit shall also immediately inform the Pollution Control Board of any breakdown in the recycling system, store the effluents in the interim period and dispose effluents only as advised by the Pollution Control Board.
- ix. The MoU between CETP and member units shall indicate the maximum quantity of effluent to be sent to the CETP along with the quality.
- x. The unit shall maintain a robust system of conveyance for primary treated effluents from the member units and constantly monitor the influent quality to the CETP. The Management of the CETP and the individual member shall be jointly and severally responsible for conveyance and pre-treatment of effluents. Only those units will be authorized to send their effluents to the CETP which have a valid consent of the Pollution Control Board and which meet the primary treated standards as prescribed. The CETP operator shall with the consent of the State Pollution Control Board retain the powers to delink the defaulter unit from entering the conveyance system.
- xi. The effluent from member units shall be transported through pipeline. In case the effluent is transported thorough road, it shall be transported through CETP tankers only duly maintaining proper manifest system. The vehicles shall be fitted with proper GPS system.
- xii. Before accepting any effluent from member units, the same shall be as permitted by the SPCB in the consent order. No effluent from any unit shall be accepted without consent from SPCB under the Water Act, 1974 as amended.
- xiii. Treated water shall be disposed on land for irrigation. An irrigation management plan shall be drawn up in consultation with and to the satisfaction of the State Pollution Control Board.
- xiv. The Project proponents will build operate and maintain the collection and conveyance system to transport effluents from the industrial units in consultation with and to the satisfaction of the State Pollution Control Board and ensure that the industrial units meet the primary effluent standards prescribed by the State Pollution Control Board.
- xv. The State Pollution Control Board will also evaluate the treatment efficiency of the Effluent Treatment Plant (ETP) and its capability of meeting the prescribed standards. The final scheme of treatment would be such as is approved by the Pollution Control Board in the Consent to Establish.
- xvi. The project proponents will create an institutional arrangement for the involvement of individual members in the management of the CETP.

- IV. Noise monitoring and prevention:**
- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
 - ii. Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.
 - iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
- V. Waste management:**
- i. ETP sludge generated from CETP facility shall be handled and disposed to nearby authorized TSDF site as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
 - ii. Non Hazardous solid wastes and sludge arising out of the operation of the CETP shall be adequately disposed as per the Consent to be availed from the State Pollution Control Board. Non Hazardous solid wastes and sludge shall not be mixed with Hazardous wastes.
 - iii. The CETP shall have adequate power back up facility, to meet the energy requirement in case of power failure from the grid.
 - iv. The site for aerobic composting shall be selected and developed in consultation with and to the satisfaction of the State Pollution Control Board. Odour and insect nuisance shall be adequately controlled.
 - v. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
 - vi. The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
- VI. Energy Conservation measures:**
- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
 - ii. Provide LED lights in their offices and residential areas
- VII. Green Belt:**
- i. Green belt shall be developed in area as provided in project details, with native tree Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- VIII. Public hearing and Human health issues:**
- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 - ii. Adequate infrastructure, including power, shall be provided for emergency situations and disaster management.
 - iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 - iv. Occupational health surveillance of the workers shall be done on a regular basis.
- IX. Corporate Environment Responsibility:**
- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 01.05.2018, as applicable, regarding Corporate Environment Responsibility.
 - ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
 - iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
 - iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
 - v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- X. Miscellaneous:**
- i. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
 - ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
 - iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
 - iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
 - v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
 - vi. The criteria pollutant levels or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
 - vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of operation by the project.

- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

ANNEXURE-6**Standard EC Conditions for Project/Activity 7(i): Common Municipal Solid Waste Management Facility (CMSWMF)**

- I. Statutory compliance:**
 - i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
 - ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 - iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area)
 - iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
 - v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
 - vi. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
 - vii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.
- II. Air quality monitoring and preservation:**
 - i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (for projects involving incineration).
 - ii. 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; venturi 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, SO₂, NO_x and CO from the incinerator stack. The periodical monitoring of Dioxins and Furans in the Stack emissions shall be carried out.
 - iii. Analysis of Dioxins and Furans shall be done through CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory.
 - iv. Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.
 - v. Gas generated in the Land fill should be properly collected, monitored and flared.
 - vi. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- III. Water quality monitoring and preservation:**
 - i. The project proponent shall install continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - ii. 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.
 - iii. The depth of the land fill site shall be decided based on the ground water table at the site.
 - iv. Rain water runoff from the landfill area and other hazardous waste management area shall be collected and treated in the effluent treatment plant.
 - v. Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
 - vi. The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.
 - vii. All leachates arising from premises should be collected and treated in the ETP followed by RO. RO rejects shall be evaporated in MEE. Toxicity Characteristic Leaching Procedure (TCLP) test to be performed on leachates.
 - viii. Scrubber water, leachate water or wheel wash effluent shall be treated in the effluent treatment plant followed by RO to achieve zero liquid discharge.
 - ix. Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused within 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 should be obtained.
- IV. Waste management:**
 - i. No non-hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, shall be handled in the premises.
 - ii. The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
 - iii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
 - iv. A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- V. Transportation:**

- i. 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 Authorization under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 to prevent unwanted access.
 - ii. Traffic congestion near the entry and exit points from the roads adjoining the project site shall be avoided. Parking should be fully internalized and no public space should be utilized.
 - iii. 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 02 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 02 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.
- VI. Green belt:**
- i. Green belt shall be developed in an area as provided in project details, with native tree species in accordance with Forest Department. The greenbelt shall inter alia cover the entire periphery of the project site.
 - ii. Top soil shall be separately stored and used in the development of green belt.
- VII. Public hearing and Human health/safety issues:**
- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 - ii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 - iii. Occupational health surveillance of the workers shall be done on a regular basis.
- VIII. Corporate Environment Responsibility:**
- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 01.05.2018, as applicable, regarding Corporate Environment Responsibility.
 - ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
 - iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
 - iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
 - v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- IX. Miscellaneous:**
- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently. (for projects involving incineration)
 - ii. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed (For projects involving only Landfill without incineration)
 - iii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
 - iv. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
 - v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
 - vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
 - vii. The criteria pollutant levels namely; PM_{2.5}, PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain (in case of incineration involved).
 - viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
 - ix. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 - x. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 - xi. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 - xii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

- xiii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvi. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

ANNEXURE-7

Standard EC Conditions for Project/Activity 8(a/b): Building and Construction projects / Townships and Area Development projects

I. Statutory compliance:

- 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. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of fire fighting equipment etc as per National Building Code including protection measures from lightning etc.
- iii. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- iv. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
- vi. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
- vii. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix. The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016, shall be followed.
- x. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

II. Air quality monitoring and preservation:

- i. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5}) covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Management Rules 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation:

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained 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. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
 - vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
 - viii. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
 - ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
 - x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
 - xi. 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/storage tanks shall be provided for ground water recharging as per the CGWB norms.
 - xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
 - xiii. All recharge should be limited to shallow aquifer.
 - xiv. No ground water shall be used during construction phase of the project.
 - xv. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
 - xvi. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
 - xvii. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
 - xviii. No sewage or untreated effluent water would be discharged through storm water drains.
 - xix. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
 - xx. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
 - xxi. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
- IV. Noise monitoring and prevention:**
- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
 - ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
 - iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
- V. Energy Conservation measures:**
- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
 - ii. Outdoor and common area lighting shall be LED.
 - iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
 - iv. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
 - v. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
 - vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- VI. Waste Management:**
- i. 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 shall be obtained.
 - ii. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
 - iii. 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.
 - iv. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.

- v. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
 - vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
 - vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
 - viii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
 - ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
 - x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
- VII. Green Cover:**
- i. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
 - ii. 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. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
 - iii. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
 - iv. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
- VIII. Transport**
- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
 - ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
 - iii. 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.
- IX. Human health issues:**
- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
 - ii. For indoor air quality the ventilation provisions as per National Building Code of India.
 - iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 - iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 - v. Occupational health surveillance of the workers shall be done on a regular basis.
 - vi. A First Aid Room shall be provided in the project both during construction and operations of the project.
- X. Corporate Environment Responsibility:**
- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 01.05.2018, as applicable, regarding Corporate Environment Responsibility.
 - ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
 - iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
 - iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- XI. Miscellaneous:**

- i. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vi. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- ix. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).
- x. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xiv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xv. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
