

SIX MONTHLY COMPLIANCE REPORT

April 2022 to September 2022



M/s. DBG Estate Pvt. Ltd.

*“Welspun One Logistic Park Bhiwandi”
at Bapgaon & Lonand Village, Taluka Bhiwandi,
District Thane, Maharashtra*

EC File No: EC File No: 21-60/2020-IA-III Dated December 18th, 2020.

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Project Background

M/s. DBG Estate Pvt. Ltd. is one of the big warehousing and logistics sheds for E-commerce (Domestic items), third party logistics (3PL), automobile and ancillary companies and many more. Mainly orange & green category storage units will be there.

M/s. DBG Estate Pvt. Ltd. has developed Integrated logistics park; at “Welspun One Logistic Park Bhiwandi” at Bapgaon & Lonand Village, Taluka Bhiwandi, District Thane, Maharashtra. In accordance with EIA Notification 14th September 2006 and amendment thereof M/s. DBG Estate Pvt. Ltd. has obtained environmental clearance from Expert Appraisal Committee (Infra-2), Ministry of Environment, Forest & Climate Change, New Delhi vide letter no. 21-60/2020-IA-III Dated December 18th, 2020.

Industry has obtained Environmental Clearance for Plot Area 448270.27 Sq.M. The total built-up area will be 3,69,479.00 sqm.

1. INFORMATION SHEET

Monitoring the Implementation of Environmental Safeguards

Ministry of Environment & Forest

Western Region, Regional Office, Nagpur

MONITORING REPORT

PART – I

DATA SHEET

Sl. No.	Particulars		Details										
1.	Project type: River Valley / Mining / Industry / Thermal / Nuclear / Others (specify)	:	Other - Infra-2, Category 'B' item 8(b), Township and Area Development Projects. (Integrated Logistic Park)										
2.	Name of the Project	:	"Welspun One Logistic Park Bhiwandi" at Bargaon & Lonand Village, Taluka Bhiwandi, District Thane, Maharashtra by M/s. DBG Estate Pvt. Ltd.										
3.	Clearance letter (s) / OM No. and date	:	EC File No: 21-60/2020-IA-III Dated December 18th, 2020 Annexure 1: Copy of Environmental Clearance Consent to Establish was obtained from MPCB vide consent order no. Format Format 1.0/UAN No. 0000098648/CE 2101001180 dated 28/01/2021 Annexure 2: Copy of Consent to Establish. Consent to Operate vide letter no. Format 1.0/CC/UAN No. 0000135346/CO/2208000042 dated 01.08.2022. Annexure – 3: Copy of Consent to Operate Consent to Operate vide letter no. Format 1.0/CC/UAN No. 0000147473/CO/2211001524 dated 18.11.2022 Annexure – 4: Copy of Consent to Operate										
4.	Location		Thane										
	a) District (s)	:											
	b) State (s)	:	Maharashtra										
	c) Location latitude / longitude	:	<table border="1"><thead><tr><th>Latitude</th><th>Longitude</th></tr></thead><tbody><tr><td>19°17'15.84"N</td><td>73°08'31.57"E</td></tr><tr><td>19°16'48.84"N</td><td>73°08'10.78"E</td></tr><tr><td>19°16'54.17"N</td><td>73°08'44.25"E</td></tr><tr><td>19°17'12.87"N</td><td>73°08'47.93"E</td></tr></tbody></table>	Latitude	Longitude	19°17'15.84"N	73°08'31.57"E	19°16'48.84"N	73°08'10.78"E	19°16'54.17"N	73°08'44.25"E	19°17'12.87"N	73°08'47.93"E
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5.	Address for Correspondence	:	Shri. Sanjeev Arjun Jhurani (Vice President)										

	a) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers)	4 th Floor, Welspun House, Kamala Mills Compounds, Senapati Bapat Marg, Lower Parel, Mumbai – 400013, Maharashtra-400013. E-Mail: Sanjeev_jhurani@welspun.com																																											
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pres 6.	Salient features a) of the Project	<table border="1"> <tr> <td colspan="2">Project Spectrum</td> <td></td> </tr> <tr> <td>Total Plot Area</td> <td colspan="2">4,48,270.24 Sq.M.</td> </tr> <tr> <td rowspan="2">Project Resident Population size</td> <td colspan="2">Floating population of individual tenant approx.</td> </tr> <tr> <td>As per EC</td> <td>Present Scenario Construction Phase -</td> </tr> <tr> <td>Direct Employment</td> <td>3200 nos.</td> <td>300 Nos.</td> </tr> <tr> <td></td> <td colspan="2">Presently 300 nos. employs are in operational</td> </tr> <tr> <td>Water Demand</td> <td>428 CMD</td> <td>25 CMD</td> </tr> <tr> <td>Source of Water</td> <td>TMC/Gram Panchayat</td> <td>construction water is being supplied through tanker water.</td> </tr> <tr> <td>Waste Water generation</td> <td>170 CMD</td> <td>6 CMD form construction</td> </tr> <tr> <td></td> <td colspan="2">Presently sewage generation is 15 CMD</td> </tr> <tr> <td>Sewage Treatment Plant (STP)</td> <td>180 CMD</td> <td>Provided Septic Tank and soke pit</td> </tr> <tr> <td>Effluent Treatment Plant (ETP)</td> <td colspan="2">NA</td> </tr> <tr> <td>Common Effluent Treatment Plant (CETP)</td> <td colspan="2">NA</td> </tr> <tr> <td rowspan="2">Non-Hazardous Solid Waste generation</td> <td>As per EC</td> <td>Present Scenario Construction Phase -</td> </tr> <tr> <td>Wet Waste- 270</td> <td>Wet Waste- 18 kg/day</td> </tr> </table>	Project Spectrum			Total Plot Area	4,48,270.24 Sq.M.		Project Resident Population size	Floating population of individual tenant approx.		As per EC	Present Scenario Construction Phase -	Direct Employment	3200 nos.	300 Nos.		Presently 300 nos. employs are in operational		Water Demand	428 CMD	25 CMD	Source of Water	TMC/Gram Panchayat	construction water is being supplied through tanker water.	Waste Water generation	170 CMD	6 CMD form construction		Presently sewage generation is 15 CMD		Sewage Treatment Plant (STP)	180 CMD	Provided Septic Tank and soke pit	Effluent Treatment Plant (ETP)	NA		Common Effluent Treatment Plant (CETP)	NA		Non-Hazardous Solid Waste generation	As per EC	Present Scenario Construction Phase -	Wet Waste- 270	Wet Waste- 18 kg/day
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			Presently Wet generation is 30 Kg/d
		Dry Waste- 203 kg/day	Dry Waste- 27 kg/day
			Presently dry generation is 45 Kg/d
		ETP Sludge	Not Applicable
		Power requirement	Connected Load – 11 MVA Demand Load – 4.5 MVA
			Presently connected load is 4.5
		Cost of the Project	As per EC
			Present Scenario Construction Phase -
			Rs. 550 Cr
			Rs. 180.0 Cr

b) of the Environmental Management Plans

Environmental and Social Monitoring –

Waste Water Treatment Plant

It is Integrated logistic park has provided common sewage treatment plant of capacity 180 CMD. Presently domestic sewage 15 CMD is being treated in STP and treated water has been provided grading purpose within the park area.

Air Pollution

Regular Water sprinkling is being done to reduce the dust generation. Low Sulphur diesel are be used in all DG sets. Excavated soil is being stacked properly under tarpaulin cover to reduce dust emissions.

Waste Management

As per EC

Sr.No.	Waste Generation	Disposal System
1.	Biodegradable Waste: 270 kg/day (Wet Waste)	Treated in an Organic Waste Converter (OWC) and converted to manure.
2.	Non-Biodegradable Waste: 25 kg/day (Dry Waste)	Segregated and disposed of through authorized vendor.
3.	Plastic Waste: 202 kg/day	Segregated and disposed of through authorized vendor.
4.	Used oil generation: 126 Lit/month	Given to the approved recycler.
5.	E waste: 5-10 kg/month	Given to the approved recycler.

Present condition –		
Sr.No.	Waste Generation	Disposal System
1.	Biodegradable Waste: 30 kg/day (Wet Waste)	Treated in an Organic Waste Converter (OWC) and converted to manure.
2.	Non-Biodegradable Waste: 45 kg/day (Dry Waste)	Segregated and disposed of through authorized vendor.
3.	Used oil generation: 10 Lit/month	Given to the approved recycler.
7.	Breakup of the Project Area a) Submergence area: forest & non forest b) Others	: NA There is no forest area involved. Total Plot Area: 4,48,270.27 sqm Deduction: 44827.02 sqm (10% open space) Net Plot area; 4,03,443.22 sqm Total BUA: 3,69,479.00 Sq.M.
8.	Breakup of the project affected population with the enumeration of those losing Houses / Dwelling units only, Agricultural Land & Landless Laborers / Artisans: a) SC, ST / Adivasi b) Others (please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details & year of survey)	: Not applicable.
9 a)	Financial Details: Project cost as originally planned and subsequent revised estimates and the year of price reference	: Originally Planned: Rs. 550 Cr
b)	Allocation made for environmental management plans with item wise and year wise breakup	: Capital Investment – Rs. 518 L Recurring Cost – Rs. 52 L/Y
c)	Benefit cost ratio/Internal rate of Return and the year of assessment	: -
d)	Whether includes the cost of environmental management as shown in the above	: Yes.

e)	Actual expenditure incurred on the project so far	:	Yes
f)	Actual expenditure incurred on the environmental management plans so far	:	Capital Investment – Rs. 1.5 cr. Recurring Cost – Rs. 25 L/Y
10	Forest Land Requirement		No Forest land is involved in the project.
a)	The status of approval for diversion of forest land for non-forestry use	:	NA
b)	The status of clearing felling	:	NA
c)	The status of compensatory afforestation, if any	:	NA
d)	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	NA
11	The status of clear felling in non-forest areas (such as submergence area or reservoir, approach roads.), if any with quantitative information required.	:	NA
12	Status of construction (Actual & /or planned)	:	Total BUA 3,69,479.00 Sqm. Till date 84277.68 Sqm Construction is completed.
a)	Date of commencement (Actual & / or planned)	:	06.02.2021
b)	Date of completion (Actual &/or planned)	:	Planned: December 2025.
13	Reasons for the delay if the project is yet to start	:	---
14	Dates of Site Visits		
a)	The dates on which the project was monitored by the Regional Office on previous occasions, if any	:	--
b)	Date of site visits for this monitoring report	:	12 and 13 April 2022, 2 & 3 May 2022, 8 & 9 June 2022, 11 &12 July 2022, 8 & 9 August 2022, 12 &13 September 2022.

CONDITION -WISE COMPLIANCE REPORT OF ENVIRONMENT CLEARNACE

EC Order No.: EC File No: 21-60/2020-IA-III Dated December 18th, 2020.

Sr.No.	Conditions	Status of Compliance along with details
(A) <u>Specific condition</u>		
(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.	Noted and agreed.
(ii.)	NOC for diverting the drain shall be obtained from Irrigation/ concerned Department.	Noted and agreed.
(iii.)	There will be no chemical storage (hazardous as per MSIHC rules) within the proposed logistic park.	Noted and agreed. The proposed development is concerned to construction of industrial sheds for logistics facilities/ warehousing to the E-commerce (domestic items), 3PL, automobile and ancillary companies and many more.
(iv.)	As proposed, fresh water requirement from TMC/Gram Panchayat shall not exceed 267 KLD during operational phase and necessary permission shall be obtained.	Noted and agreed.
(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.	Yes, as on date 180 CMD of STP is installed at site. Fatherly it is agreed that no shall be discharge to municipal Drain and released in to the artificial creek drain.

(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.	Noted and agreed. It would be followed during operation phase of the project.
(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.	Till date 34 numbers rainwater harvesting pits are constructed on site. Construction is under progress.
(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.	OWC -130 installed at site. Annexure 5 – OWC Photographs Annexure 6 – Installation and Commissioning Report Annexure 7 - OWC Manuel
(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.	As on date 5400 sq.mt area develop as green area and 200 nos. trees are planted on site. Annexure 8 – Trees Photographs
(B) <u>Standard Condition:</u>		
I. <u>Statutory compliance:</u>		

(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.	Project proponent has obtained permission form MIDC, TMC, Maharashtra pollution control Board. Required NOC as per project is under progress.
(ii.)	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.	Project has been constructed as per structural plan approval from structural engineer.
(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.	Forest clearance is not required.
(iv.)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	NBWL clearance is not required.
(v.)	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention 86 Control of Pollution) Act, 1981 and the Water (Prevention 8s Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Consent to Establish was obtained from MPCB vide consent order no. Format Format 1.0/UAN No. 0000098648/CE 2101001180 dated 28/01/2021 Annexure 2: Copy of Consent to Establish. Consent to Operate vide letter no. Format 1.0/CC/UAN No. 0000135346/CO/2208000042 dated 01.08.2022. Annexure – 3: Copy of Consent to Operate Consent to Operate vide letter no. Format 1.0/CC/UAN No. 0000147473/CO/2211001524 dated 18.11.2022 Annexure – 4: Copy of Consent to Operate
(vi.)	The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.	NA, no ground water is being used for construction works.
(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.	Load allowed for the project is 4.5 MVA sanction. Annexure 9: Power Supply
(viii.)	All other statutory clearances such as the approvals for storage of diesel from Chief	CCOE – NA, Provisional Civil Aviation – Not Applicable.

	Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.	Yes, we are following the instructions and NOC, approval of Firefighting scheme, NOC from Forest Department. The approvals for storage of diesel from Chief Controller of Explosives is not necessary at the moment. Annexure 10: Fire NOC
(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.	25 TPA of used oil generated from DG sets will be carefully stored in HDPE drums in an isolated covered facility. The used oil will be sold to vendors authorized by Maharashtra Pollution Control Board for the disposal. Suitable care will be taken so that spills/leaks of used oil from storage could be avoided. Annexure 11: Hazardous & E-waste tie up letter. Annexure 12: NOC Hazardous and Other Waste.
(x.)	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.	Noted and complied. Translucent Panels for natural lights in roof have been installed. PEB Design has been done considering natural ventilation with 6 to 7 Air Changes Per Hour without using a forced ventilation. Wall and roof insulation has been introduced across all warehouses to reduce internal temperature.
II. <u>Air quality monitoring and preservation:</u>		
(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.	Used Tarpaulin and green net on scaffolding around the area under-construction. All vehicles including carrying construction material should be cleaned and wheels washed before leaving the construction site. All vehicles including carrying construction material should be fully covered. Wet-jet used in grinding and stone cutting. Every worker working on construction site and involve loading, unloading and carriage of construction material provided dust mask to prevent inhalation of dust particle.
(ii.)	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	Noted. Ambient air quality has been carried out monthly.

		As per Ambient air quality monitoring result the ambient air quality found to be with permissible limit. Annexure 13: Ambient air quality monitoring Reports.
(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. PM 10 and PM2.5) covering upwind and downwind directions during the construction period.	Noted. The Ambient air quality monitoring Reports area attached as Annexure 13.
(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.	DG sets will be source of backup power will conform to the rules made under Env. Protection Act, 1986. Low Sulphur diesel will be used. DG sets will be placed in an acoustic enclosure. All these DG sets will be operated for during power failure at temporary purpose. Provision of adequate stack height as per CPCB norms.
(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 3meter 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.	It is compiled, before construction 2.4m boundary wall is being constructed along the construction area. Plastic /tarpaulin sheet covers 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. Annexure 14: Photograph of boundary wall
(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.	Whenever the dust prone area found water sprinkling is being carried out in dust prone area. Annexure 15 – Water sprinkling Photographs
(vii.)	Wet Jet shall be provided for grinding and stone cutting.	Not Applicable

(viii.)	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	Sprinkled water on Unpaved surfaces and loose soil for suppress dust. Annexure 15 – Water sprinkling Photographs
(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.	It is being complied. All construction debris are stored at designated site area and will be reuse for back filling and leveling of the site or road construction with plant area. Annexure 16 – Back filling and leveling of the site or road construction Photographs
(x.)	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to rules made under the Environment (Protection) Act, 1986.	DG sets used in construction phase are low Sulphur diesel fuel. There is connected load is 4.5 MVA, Hence DG set will operate in case of power failure.
(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.	Construction Phase: Provided adequate stack height and Acoustic enclosure as per CPCB standards to the DG set. The location of the DG set and exhaust pipe height provided as per the provisions of the Central Pollution Control Board (CPCB) norms. Annexure 17 – DG Set with stack height and Acoustic enclosure Photograph.
(xii.)	For indoor air quality the ventilation provisions as per National Building Code of India.	Noted and agreed. Construction of industrial shed as per National Building Code 2016.
III. <u>Water Quality monitoring and preservation</u>		
(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.	Noted. Natural drain core is rerouted has as per approval received. For ensuring unrestricted flow necessary cleaning is carried out. Annexure 18 – Nalla Photographs.
(ii.)	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	Noted. Development has been done as per contour plan. Site development is been done to maintain the natural slope of the site. 458955 m2 of soil has been excavated.

(iii.)	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	Noted. Shall be complied before operations phase. Annexure 30 - Water Quality Monitoring Analysis Report
(iv.)	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.	There is no obtrusion of ground water. Required water 264 KLD will be supplied by TMC.
(v.)	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.	Noted and it is being complied, as on date 5400 sq.mt of area is being develop as green area over the plot area.
(vi.)	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.	Project proponent has proposed dual plumbing system for domestic water uses, flushing purpose and grading purpose. Annexure 19 - Dual Plumbing System Plan
(vii.)	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.	Noted, shall be complied. Low fixture shall be installed at urinal and wash area.
(viii.)	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.	Noted and it is being complied. Annexure 19 - Dual Plumbing System Plan
(ix.)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Noted and it is being complied.
(x.)	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	As per EC 48 numbers of recharge pits has been proposed out of which 34 numbers of recharge pits are constructed on site. with photo graphs. Annexure 20 - Recharge Pits photographs.

	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.	
(xi.)	All recharge should be limited to shallow aquifer.	Noted.
(xii.)	No ground water shall be used during construction phase of the project.	Noted and agreed.
(xiii.)	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.	No ground water is being utilized.
(xiv.)	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, MoEF86CC along with six monthly Monitoring reports. xv. No sewage or untreated effluent water would be discharged through storm water drains.	Noted and agreed for operation phase of the unit.
(xv.)	No sewage or untreated effluent water would be discharged through storm water drains.	Noted and agreed for operation phase of the unit.
(xvi.)	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.	Sewage treatment of capacity of treating 100% waste water installed on site. The installation of the Sewage Treatment Plant installed by expert. Treated waste water will be reused on site for landscape, flushing, cooling tower, and other end-uses. Commissioning done for STP. The OC received for S1 N10, N8 Units last month, so load of occupancy is not much. Generation of waste by STP is negligible. It will operate within one or two months.
(xvii.)	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	Noted and agreed for operation phase.
(xviii.)	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	Presently septic tank sewage is being dispose of through authorized municipal corporation. Sludge of soke pit tank is used for grading purpose within site area.

	Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	
IV. <u>Noise monitoring and prevention</u>		
(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.	Construction has been monitoring monthly basis. During day time noise level observed 44 to 49 dB. The noise level monitoring report are attached as annexure 21.
(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.	Noted and Complied.
(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.	DG set are procured as per CPCB norms.
V. <u>Energy Conservation measures</u>		
(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.	Noted. Translucent Panels for natural lights in roof have been installed. PEB Design has been done considering natural ventilation with 6 to 7 Air Changes Per Hour without using a forced ventilation. Wall and roof insulation has been introduced across all warehouses to reduce internal temperature.

(ii.)	Outdoor and common area lighting shall be LED.	Noted. Outdoor and common area LED and Solar Street lights are provided.
(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.	Considering the building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass for minimize energy consumption in buildings (Concept of passive solar design).
(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.	Noted, Outdoor and common area LED and Solar Street lights are provided.
(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.	Solar
(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	Solar power used for lighting in the Street and common area.

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.	Approx. 675 kg/day of solid waste is been generated from the project. Out of which, biodegradable waste is 270 kg/day which is treated in in-house Organic Waste Converter to be converted to manure. 203 kg/day of Non- Biodegradable waste and 202 kg/day of Plastic waste is been generated which will be given to Approved Recycler. Annexure 7: OWC Manual
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(ii.)	Disposal of muck during construction phase shall not create any adverse effect on the neighboring 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.	Noted and it is being compiled.
(iii.)	Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.	Approx. 675 kg/day of solid waste is been generated from the project. Out of which, biodegradable waste is 270 kg/day which is treated in in-house Organic Waste Converter to be converted to manure. OWC- 130 model install at site. Annexure 5: OWC photographs
(iv.)	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.	Noted and it will comply during operation phase of the unit. Presently non-hazardous waste will be dispose through authorized vendor during construction Phase of 27 kg/day.
(v.)	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.	Noted. Discarded paint containers & chemicals are generated.
(vi.)	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.	Noted and complied.
(vii.)	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 27.08.2003 and 25.01.2016. Ready mixed concrete must be used in building construction.	The project is using RMC plant which has fly ash as a part of composition. –
(viii.)	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.	Annexure 22 – C & D waste calculation
(ix.)	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.	Noted and it will be complied operation phase of the project.
VII. <u>Green Cover</u>		
(i.)	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads,	Topsoil excavated during construction activities stored for use in horticulture

	paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	landscape development within the project 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.	Traffic management shall be done as per traffic management plan.
(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	All the vehicles bringing construction material have valid PUC certificate which have filed for log maintenance. All the vehicles do comply with relevant air and noise standards. The proponent has instructed the contractors and sub-contractors to run the vehicles during non-peak hours. Annexure 23: PUC Certificate
(iii.)	Traffic Management Plan as submitted shall be implemented in letter and spirit. Further, a detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within 5 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	Traffic management shall be done as per traffic management plan.

	components of the plan which involve the participation of these departments.	
IX. <u>Human Health Issues</u>		
(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.	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 is using dust mask. with dust mask.
(ii.)	For indoor air quality the ventilation provisions as per National Building Code of India.	Noted and complied. PEB Design has been done considering natural ventilation with 6 to 7 Air Changes Per Hour without using a forced ventilation. Wall and roof insulation has been introduced across all warehouses to reduce internal temperature.
(iii.)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied.
(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.	For labour working on site there is provision for good quality drinking water, sufficient number of mobile toilets, First Aid Room & medical health care facility are provided on site. Annexure 24: Photo (Mobile Toilets, First Aid Room & medical health care)
(v.)	Occupational health surveillance of the workers shall be done on a regular basis.	Construction worker health checkup will be carried out on 6 monthly basis. Occupational health surveillance of the workers done on a regular basis. Annexure 25: Photo (regular checkup)
(vi.)	A First Aid Room shall be provided in the project both during construction and operations of the project.	Construction Phase: - For labour working on site there is provision for First Aid Room & medical health care facility are provided on site. Annexure 26: Photo First Aid Room
X. <u>Miscellaneous</u>		
(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	Complied.

	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.	Copy of advertisement attached herewith as Annexure -27.
(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.	Complied.
(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.	Complied.
(iv.)	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.	Environmental policy in prescribed format is design and hoarded at construction planning office. Last six-monthly compliance has been submitted on 30 th May 2022. Annexure 28 – June 2022 Report submission proof
(v.)	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.	The project has erected environmental management cell within the construction supervision team to supervise all aspects of the Environmental management plan.
(vi.)	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	Noted Complied.

	shall be reported to the Ministry/ Regional Office along with the Six-Monthly Compliance Report.	
(vii.)	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.	Last six-monthly compliance has been submitted on 30 th May 2022. Annexure 28 – June 2022 Report submission proof.
(viii.)	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. x. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted. And complied.
(ix.)	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.	Noted and agreed.
(x.)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and agreed.
(xi.)	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).	Noted and agreed.
(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.	Noted and agreed.
(xiii.)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted and agreed.
(xiv.)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted and agreed.
(xv.)	The Regional Office of this Ministry shall monitor compliance of the stipulated	Noted and agreed.

	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 85 Control of Pollution) Act, 1974, the Air (Prevention 86 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 Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.	Noted and agreed.
(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.	Noted and agreed.