



सत्यमेव जयते

File No: 10/39/2022-IA.III
Government of India
Ministry of Environment, Forest and Climate
Change
IA Division



Date 25/06/2024



To,

Mr.B.R.Veerabhadraiah
KARNATAKA INDUSTRIAL AREAS DEVELOPMENT BOARD
4th & 5th floors, Khanija Bhavan, East Wing, No.49, Race Course Road, Bangalore 560001
cdocekiadb@gmail.com

Subject: Development of "Harohalli Industrial Area-5th Phase", over an extent of 369.19 Ha (912.31 Acres) at Kanchagaranahalli, Kanchagaranahalli Kaval Village, Bidadi Hobli Ramanagara Taluk and Mudenahalli, Yerehalli Village, HarohalliHobli, Kanakapura Taluk, Ramanagara District and Karnataka State by M/s. Karnataka Industrial Areas Development Board -Environmental Clearance reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/KA/INFRA1/450902/2023 dated 02/11/2023 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A3101KA5420729N
(ii) File No.	10/39/2022-IA.III
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	7(c) Industrial estates/ parks/ complexes/ areas, export processing Zones (EPZs), Special Economic Zones
(vi) Sector	INFRA-1
(vii) Name of Project	Development of Harohalli - 5th Phase Industrial Area of 369.19 Ha (912.31 Acres)
(viii) Name of Company/Organization	KARNATAKA INDUSTRIAL AREAS DEVELOPMENT BOARD
(ix) Location of Project (District, State)	RAMANAGARA, KARNATAKA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per	No

EIA Notification, 2006

3. The above mentioned proposal was earlier considered by 347th meeting of Expert Appraisal Committee held on 28th November, 2023 and 358th meeting of Expert Appraisal Committee held on 27th February, 2024. The proposal was deferred for want of requisite information/documents. After submission of the information, at this instance, the aforementioned proposal was placed before the EAC during its 363rd meeting of Expert Appraisal Committee held on 25th -26th April, 2024. The project proponent and EIA consultant M/s Hubert Enviro Care Systems (P) Limited, Chennai made presentation in the Ministry and submitted the following:

4. The proposal is for 'Development of "Harohalli Industrial Area – 5th Phase", over an extent of 369.19 Ha (912.31 Acres) at Kanchagaranahalli, Kanchagaranahalli Kaval Village, BidadiHobliRamanagara Taluk and Mudenahalli, Yerehalli Village, HarohalliHobli, Kanakapura Taluk, Ramanagara District and Karnataka State by M/s. Karnataka Industrial Areas Development Board'.

5. The proposed project falls under Schedule 7(c) – Industrial Estates/Parks/SEZ etc, Category 'A' as per the EIA Notification 14th September 2006 as the Bannerghatta National Park ESZ is located approximately at a distance of ~ 5.89km (E) and Bannerghatta National Park Core is located approximately at a distance of ~ 6.91km (E) from the Project boundary and KIADB is proposing to establish Red Category industries with in the industrial area. The proposed project cost is Rs. 1,45,399 Lakhs (1,453.99 Crores).

6. Terms of References (ToR) details: The ToR proposal was considered in the 308th EAC meeting held during 15th-16th September, 2022 in the Ministry of Environment, Forest and Climate Change, New Delhi. ToR was granted on 10th October 2022.

7. Public Hearing: Public hearing was conducted on Ramanagara district, Karnataka. The details are as following:

Date of Public Hearing	Venue	District and State	Chaired by
09.08.2023	Proposed Project Site Kanchanahalli, Kanakapura, Taluka	Ramanagara, Karnataka	Assistant Commissioner Ramanagara District

8. Land use/Land cover of project site:

S.No	Description	Area in Ha	Area in %
1.	Industrial Area	121.539	32.92
2.	Bulk land for EV Unit	81.038	21.95
3.	KSIIDC	5.572	1.51
4.	Residential	5.438	1.47
5.	Commercial	5.544	1.50
6.	Amenities	8.741	2.50
7.	Utilities	9.133	2.36
8.	Park, Buffer & Open spaces	82.001	22.20
9.	Parking	18.858	5.10
10.	Road	31.330	8.49
Total		369.19	100

9. List to industries to be housed with the proposed project site:

S.no	Focus Sector	Types of Industries	Activities	Categorization of industry as per EIA notification	Categorization as per CPCB	Pollution Potential
1	Engineering	Fabricated Metal	Manufacturing of	Not Applicable	Orange	W13, A1D

		products	pressure vessels			
		Automobiles	Manufacture of motor vehicles (Two wheelers, Cars etc)	Not Applicable	Red	A1C; W11; HW3 & HW4
		Automobile components	Manufacture of parts and accessories for motor vehicles such as Engine, Gear box parts, Drive axle, steering and suspension, breaks, Seats, Tyres, rubber products etc	Not Applicable	Orange, green, white	W11, A1C,E,F,G
		Fibre glass manufacturing	Manufacturing of fibre glass and processing	Not applicable	Red	A2F1, HW1, HW4
		Batteries Manufacturing	Lead acid batteries manufacturing	Nil	Red	
2	Food and beverages	Instant tea/coffee, Coffee processing, Non- alcoholic beverages, processing industries, dairy and dairy products.	-	Not Applicable	Orange	A1G, HW1, HW4, W12 W13, A1D
3	Other Industries	Manufacturing of vegetable oils	-	Nil	Orange	W12, Group A1G
		Coated electrode manufacturing	-	Nil	Orange	W12, Group A1F
		Tile manufacturing	-	Nil	Orange	GroupA2F2

10. Terrain and Topographical features: The Major land within the project site is plantation, crop land and scattered grass. The rest is barren land. The area is at a height of about ~ 760 m – 795 m above MSL.

11. Details of water bodies, impact on drainage:

S.no	Water Bodies	~Distance (km)	Direction
1	Canal		Within the Site
2	Nala		Within the Site
3	Pond		Within the Site
4	Kanchugaranahalli Kaval Lake		Within the Site
5	Suvarnamukhi Reservoir	Adjacent to Site	E
6	Suvarnamukhi R	Adjacent to Site	S
7	Lake near Kanchigaranhalli	0.06	W
8	Bairamangala Left Bank Canal	1.72	WSW
9	Byramangala Reservoir	2.24	NNW
10	Vrishabhavati R	2.67	W
11	KaggalhalliKere	3.09	E

12	HarohalliKere	3.33	SSE
13	Bairamangala Right Bank Canal	3.64	W
14	SubedaranakerekodiHalli	6.94	E
15	Gadipalyada Halla	7.43	NE
16	Tattaguppe Halla	7.52	NE
17	MuninagaraKere	8.8	ENE
18	Gattalkere Halla	8.91	SE
19	TimmarayanaHalla	9.89	ENE
20	Antaragange Hole/YebbaHalla	10.19	ESE
21	Arkavati R	10.26	SW
22	Nelligodda Tank	11.40	NW
23	SuddeHalla	12.19	ENE
24	Kutle Hole	12.90	SSE
25	Rayatmala Hole	13.08	SSE
26	MavathurKere	14.75	S
27	RayatmalaKere	14.95	SE

12. The Zonation map of the proposed Industrial Area has been revised by relocating the red category industries away from the water bodies and The revised layout of the project site has also excluded the canal/nallas that are passing through the project site. Also Submitted that around the water bodies/nallah/lakes minimum 100mtrs think plantation will be done. Garland drains/Trenches and collection pits of adequate capacity shall be provided to arrest the runoff in the event of heavy rains and to check the water pollution due to surface run off. The banks should also strengthened properly. Maintenance of canal banks after inspecting heavy rains and necessary repairs if found any deterioration. Maintaining canal/Nallah flow without any waterlogging. Lining of the canals to avoid seepage. Proper cross drainage works to be done. To implement conservation measures for the existing canal or nallah. KIADB allocated an amount of RS.1.09 crores for implementation.

13. Water requirements: Total water requirement is 175 KLD including domestic requirements for 200 persons. During operational phase total water requirement will be 4,697 KLD out of which freshwater water requirement will be 1,186KLD and TTRO water requirement will be 1,933 KLD). Water will be sourced from Bangalore Water Supply and Sewerage Board (BWSSB) through Bidadi Industrial Area and the Approval for the same was obtained from BWSSB vide letter no.BWSSB/CE(KO&M)TE/TA01/40/2023/1098/2023-24 dated 01.12.2023. Reclaimed water will be met from TTP at Bidadi Industrial Area.

14. Diversion of forest land: No forest land is involved in the proposed project. The proposed project is located 5.89 km distance from the Bannerghatta National Park ESZ and 6.91 km from the Core zone of the Bannerghatta National Park. Also State Forest Department visited the site and given the No Objection Certificate (NOC) vide No.A5/bhoomi/Abhipraya/CR-135/2023- 24/1988 dated 07.03.2024 from the Deputy Conservator of Forests stating that as per the site verification report the KIADB proposed Harohalli 5th Phase of Kanchugarnahlli & Kanchughanhalli Kaval village Bidadi Hobli Ramnagar District & Yarehalli Mudenhalli Village, Harohalli Hobli, kanakapuraTaluk, Ramnagar District does not falling under any reserve forest, protected forest and Declared Forest, Dominance forest under Section 4.

15. Department of Wildlife and Management, Kuvempu University carried out the detailed biodiversity study in consultation with CWLW/FD of the Bannerughatta National Park and as per the study the following 15 schedule-1 species are identified (i) Sloth Bear, (ii) Shikra, (iii) Bonelli's Eagle, (iv) Black-winged kite, (v)Brahminy Kite, (vi) Black Eagle, (vii) Rufous-bellied Eagle, (viii) Black kite, Changeable Hawk Eagle, (ix) Oriental Honey Buzzard, (x) Shaheen Falcon, (xi) Indian peafowl, (xii) Common Crow, (xiii) Plain tiger, (xiv) Jezebel, (xv) Common Silver line based on the identified species made a conservation strategies and recommendations for schedule-I species with the budget of INR 72.39 Lakhs is earmarked for Wildlife Conservation and its Management. Accordingly, KIADB will allocate INR 72.39 Lakhs in addition to the EMP for Wildlife Conservation and Management.

16. Waste Management: Construction Phase: During construction phase approximately 0.45 kg/person/day i.e., 90 kg/day of Municipal Solid Waste will be generated. This will be collected and segregated at site. Organic waste will be composted at site and compost will be used as manure for green belt development during construction phase. Inorganic

waste will be sold to recyclers. Operation Phase: During operational phase, 10218 kg/day of Municipal Solid Waste will be generated. The waste will be segregated by individual industries and organic wastes will be sent to common MSW processing area. This will be composted at a site in an area earmarked for municipal waste processing. Compost will be used as manure for green belt development. Inorganic waste will be sold to recyclers. CETP details: The Sewage generation is estimated to be 937 KLD, Sewage will be treated in proposed CSTP of 1200 KLD and treated sewage will be recycled for green belt development and flushing for residential units. The effluent generation is estimated to be 913 KLD, which will be treated in CETP of 1200 KLD followed by RO, Multi Effect Evaporator (MEE) and Agitated Thin Film Dryer (ATFD). Treated effluent will be recycled for utilities and process. Sewage generation-937 KLD will be treated in CSTP of 1200 KLD Effluent generation -913 KLD will be treated in CETP of 1200 KLD. Treated domestic sewage will be recycled for green belt development and secondary purposes. Treated effluent will be recycled for process and utilities. Zero liquid discharge (ZLD) process is proposed.

17. Details of tree cutting and Green belt development: The total no of 23271 trees will be removed from the proposed site and plantation will be done with 1:10 ratio. The total land area is 369.19 Ha (912.31 Acres), out of which industrial area is 121.539 Ha. The Greenbelt area proposed is 82.001 Ha (22.2% of total area). KIADB has earmarked 82.001 Ha (202.63 Acres) (22.2%) and balance 39.87 Ha (10.8% of total area) will be developed by individual industries and total overall green belt area proposed will be 33%. Individual industries are mandated to develop the remaining percentage of the green belt development. KIADB also proposes to develop 15m width of green belt buffer along the periphery of the project site. It is proposal to plant indigenous native species which can further control pollution load. Also KIADB will develop greenbelt around the lakes, water bodies and around the boundary of the project site will maintained with the indigenous species of trees and bushes around the lakes accordingly, KIADB consulted with Range Forest Officer, Ramanagara District, and the Forest Department vide letter no.VAA/RAV/ARANYA.SASI/VIV491/2023- 24 dated 01.12.2023 has suggested the native Species. Further, EMP budget has been revised including revised cost of the greenbelt development and providing the trenches around the plantation. The total revised EMP cost is 51.59 crores.

18. Energy conservation measures with estimated saving: Power back up facility is proposed for common facilities and individual industries will be arranging the power backup on their own. individual industries will also be emphasized to have solar lighting for their premises.

19. Details of Rainwater Harvesting: 355 No's of rainwater harvesting pits are proposed for the project. Rainwater harvesting pits of 1.0m dia x 3.5m depth will be constructed.

20. Land acquisition and R&R issues involved: Entire land has been acquired by KIADB for the development of the Industrial Area. Hence there is no R& R for the project.

21. Employment potential: The proposed project will generate the employment of total 22,907 persons(direct and indirect) out of which 200 persons will get employment during construction phase and during operation period around 22707 persons (direct and indirect) will be get employment. Local people will be employed from the surrounding villages.

22. Benefits of the project: The project will help to increase its contribution to the overall development of the area as well as the Country's share in international business. The social requirements such as Drinking water requirement, facilities to educational institutions, and medical facilities to the villages etc will also be developed as part of social responsibility.

23. Details of Court cases: No litigation pending against the proposed project.

24. The EAC, after examining the documents submitted by the project proponent and detailed deliberations in its 363rd meeting held on 25th-26th April, 2024 recommended the proposal for Environmental Clearance with the specific conditions, as mentioned below, in addition to all standard conditions applicable for such projects.

25. The EAC, after examining the documents submitted by the project proponent and detailed deliberations in its 363rd meeting held on 25th-26th April, 2024 recommended the project for grant of Environmental for the project of 'Development of "Harohalli Industrial Area-5thPhase", over an extent of 369.19Ha(912.31Acres) at Kanchagaranahalli, Kanchagaranahalli Kaval Village, BidadiHobliRamanagara Taluk and Mudengahalli, Yerehalli Village, HarohalliHobli, Kanakapura Taluk, Ramanagara District and Karnataka State by M/s. Karnataka Industrial Areas Development Board' subject to all specific and standard conditions applicable for such projects.

26. The Ministry of Environment, Forest and Climate Change has considered the proposal based on the recommendations of the Expert Appraisal Committee (Infrastructure, CRZ and other Miscellaneous projects) and hereby decided to grant Environmental and CRZ Clearance for the 'Development of "Harohalli Industrial Area-5th Phase"', over an extent of 369.19Ha(912.31Acres) at Kanchagaranahalli, Kanchagaranahalli Kaval Village, BidadiHobliRamanagara Taluk and Mudenahalli, Yerehalli Village, HarohalliHobli, Kanakapura Taluk, Ramanagara District and Karnataka State by M/s. Karnataka Industrial Areas Development Board' under the EIA Notification, 2006 as amended subject to strict compliance of the following specific conditions, in addition to all standard conditions applicable for such projects.

27. This issues with the approval of the Competent Authority.

Copy To

1. The Secretary, Forest, Environment & Ecology Department, Karnataka Government Secretariat, Room No. 448, 4th Floor, Gate No. 2, M. S. Building, Bangalore-560001.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum office Complex, East Arjun Nagar, Delhi – 32.
3. Member Secretary, Karnataka Pollution Control Board, 6,7,8 & 9 Floor (Public Utility Building), Netaji Subhash Chand Building, M. G. Road, Bangalore – 1.
4. The Deputy Director General of Forests (C), Ministry of Environment, Forests and Climate Change, Regional Office (SZ), Kendriya Sadan, 4th Floor, E&F Wing, 17th Main Road, Koramangala II Block, Bangalore – 34.
5. Guard File
6. IA-Division, Monitoring Cell, MoEFCC, New Delhi – 3.
7. Guard File/Record File.
8. Notice Board.

Annexure 1

Specific EC Conditions for (Industrial Estates/ Parks/ Complexes/ Areas, Export Processing Zones (Epzs), Special Economic Zones)

1. Specific Conditions

S. No	EC Conditions
1.1	<p>i. The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc required to be obtained under any other Act/Rule/regulation The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.</p> <p>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.</p> <p>iii. The proponent has to comply with the Ministry's OM no. J-11011/321/2016-IA.II(I), dated 27.04.2018 which made it mandatory for certain type of industries to conduct public hearing irrespective of their location within Industrial Area or outside the industrial area.</p> <p>iv. The proposed individual units need to take Environmental Clearance separately as per the applicability of the schedule of EIA Notification, 2006.</p>

S. No	EC Conditions
	<p>v. The ecological and biodiversity conservation study conducted by the Kuvempu University, PP shall get approval/recommendations of the concern state forest department and all commitments made in the biodiversity Management & Conservation Plan shall be implemented in letter and spirit. The status of implementation of Wildlife Management & Conservation Plan shall be submitted to the Regional Office of the Ministry along with 6 monthly compliance report.</p> <p>vi. As proposed Proponent shall install the Zero Liquid Discharge System (ZLD). The Industrial complex shall achieve Zero Liquid Discharge and to achieve the Zero Liquid Discharge, waste water generated from various industrial operations shall be properly collected, treated to the prescribed standards and then recycled or reused for the identified uses.</p> <p>vii. As proposed by the KIADB Green belt over 82.001 Ha (22.2% of total area) out of 369.19 ha of the total area industrial estate shall be developed by the KIADB and rest of 39.87 Ha (10.8% of total area) shall be developed by individual industries to achieve total overall green space of the 33%. Open Spaces and lawns shall not be taken into account for the purpose of area of the green belt.</p> <p>a. 15m wide multi-layered green belt of indigenous native species shall be developed along the periphery of the project site.</p> <p>b. At least 50 meter wide multilayered green belt shall be created and maintained around the Suvernmukhi Reservoir.</p> <p>c. At least 20-meter-wide green belt shall be maintained around the tank/pond present within the project side.</p> <p>viii. The company shall construct a garland drain all around the industrial estate and also around the Suvernmukhi Reservoir as well as around the tank/pond within the project boundary to prevent runoff of any contaminants/ waste into the Swater bodies. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.</p> <p>ix. Processed effluents/any wastewater shall not be allowed to mix with storm water, storm water drain shall be provided on tank farm, and solvent transfer through pumps.</p> <p>x. Garland drains and collection pits of adequate capacity shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface run off.</p> <p>xi. Rain water harvesting for roof run-off and surface run-off, should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease.</p> <p>xii. Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water. Treated affluent emanating from STP shall be recycled/reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done.</p> <p>xiii. Storm water control and its re-use as per CGWB and BIS standards for various applications.</p> <p>xiv. The industrial unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.</p> <p>xv. Training shall be imparted to all employees on safety and health aspects of Chemicals handling.</p>

S. No	EC Conditions
	<p>xvi. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the industrial estate at least at four locations (one within and three outside the port area at an angle of 120°each), covering upwind and downwind directions.</p> <p>xvii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed fugitive emission standards.</p> <p>xviii. 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.</p> <p>xix. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high level of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.</p> <p>xx. Spillage of fuel/engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life, particularly benthos. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.</p> <p>xxi. Necessary approvals be taken during implementation and commissioning from statutory bodies concerned.</p> <p>xxii. All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.</p> <p>xxiii. All the mitigation measures to reduce pollution as mentioned in EIA/EMP report shall be implemented in toto.</p> <p>xxiv. Ground water abstraction shall be as prescribed by the CGWA. A clearance/permission of the CGWA shall be obtained in this regard.</p> <p>xxv. 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.</p> <p>xxvi. All the recommendation of the EMP shall be complied with in letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to RO, MoEF&CC along with half yearly compliance report.</p> <p>xxvii. Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.</p> <p>xxviii. Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so</p>

S. No	EC Conditions
	<p>that they should not leach into the ground water.</p> <p>xxix. Any hazardous waste generated during development/ construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Karnataka State Pollution Control Board.</p> <p>xxx. The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of firefighting equipment's, etc. as per National Building Code including protection measures from lightening etc.</p> <p>xxxi. All the topsoil excavated during development/ construction activities should be stored for use in horticulture/landscape development within the project site.</p> <p>xxxii. Disposal of muck during development/ construction phase should 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.</p> <p>xxxiii. Detailed plan of expenditure with implementation schedule to address issues raised during Public Hearing shall be prepared and submitted to the Regional Office of this Ministry within three months. The proponent shall adhere the strict compliance of above plan to utilize funds as per schedule.</p> <p>xxxiv. As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III dated 30th September, 2020, the project proponent shall abide by all the commitments made by them to address the concerns raised during the public consultation. The project proponent shall initiate the activities proposed by them, based on the commitment made in the public hearing, and incorporate in the Environmental Management Plan and submit to the Ministry. All other activities including pollution control, environmental protection and conservation, R&R, wildlife and forest conservation/protection measures including the NPV, Compensatory Aforestation etc, either proposed by the project proponent based on the social impact assessment and R&R action plan carried out during the preparation of EIA report or prescribed by EAC, shall also be implemented and become part of EMP.</p>

Standard EC Conditions for (Industrial estates/ parks/ complexes/ areas, export processing Zones (EPZs), Special Economic Zones)

1. Statutory Compliance

S. No	EC Conditions
1.1	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).
1.2	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.

S. No	EC Conditions
1.3	All excavation related dewatering shall be as duly authorized by the CGWA. A NOC from the CGWA shall be obtained for all dewatering and ground water abstraction
1.4	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.
1.5	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Coast Guard, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	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 PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the project area at least at four locations (one within and three outside the project area at an angle of 120°each), covering upwind and downwind directions.
2.2	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed emission standards.
2.3	Dust collectors shall be deployed in all areas where surface cleaning and painting operations are to be carried out, supplemented by stacks for effective dispersion.
2.4	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.
2.5	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.

3. Water Quality Monitoring And Preservation

S. No	EC Conditions
3.1	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.

S. No	EC Conditions
3.2	Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused for horticulture, flushing, backwash, HVAC purposes and dust suppression.
3.3	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.
3.4	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.

4. Noise Monitoring And Prevention

S. No	EC Conditions
4.1	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.
4.2	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.
4.3	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.
4.4	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.

5. Energy Conservation Measures

S. No	EC Conditions
5.1	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;
5.2	Provide LED lights in their offices and project areas.

6. Waste Management

S. No	EC Conditions
6.1	Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.
6.2	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.

S. No	EC Conditions
6.3	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.
6.4	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.
6.5	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.

7. Green Belt

S. No	EC Conditions
7.1	An overall green area of at-least 33% of the Industrial Area should be developed with native species. The green area shall be 40% in case of critically polluted area. The project proponent of the Industrial Area shall comply with the additional commitment made by them in the EIA report regarding the development of green belt.
7.2	The Industrial Areas are directed to accordingly allocate the area, to be developed as green cover, to respective individual industrial units so as to achieve the above mentioned condition.
7.3	The individual industrial unit, at the time of obtaining EC, shall bring a letter from the Industrial Area, specifying the area allocated to them to be developed as green cover, as a part of obligation from the Industrial Area.
7.4	Wherever possible, plantations around the periphery of the Industrial Area, in the downwind direction and along the road sides shall be provided for containment of pollution and for formation of a screen between the industrial area and the outer civil area. The choice of plants should include shrubs of height 1 to 1.5 m and tree of 3 to 5 m height. The intermixing of trees and shrubs should be such that the foliage area density in vertical is almost uniform.
7.5	The parameters like selection of plant species, procedure for plantation, density of tree plantation etc shall be as per the CPCB guidelines.

8. Public Hearing And Human Health Issues

S. No	EC Conditions
8.1	Workers shall be strictly enforced to wear personal protective equipments like dust mask, ear muffs or ear plugs, whenever and wherever necessary/ required. Special visco-elastic gloves will be used by labour exposed to hazards from vibration.
8.2	Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/ accidents.

S. No	EC Conditions
8.3	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
8.4	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.
8.5	Occupational health surveillance of the workers shall be done on a regular basis.

9. Environment Responsibility

S. No	EC Conditions
9.1	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.
9.2	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.
9.3	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.
9.4	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

10. Miscellaneous

S. No	EC Conditions
10.1	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.
10.2	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.

S. No	EC Conditions
10.3	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.
10.4	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.
10.5	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.
10.6	The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx (ambient 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.
10.7	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.
10.8	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
10.9	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.
10.10	No further expansion or modifications in the Industrial Area shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10.11	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.
10.12	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
10.13	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
10.14	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.
10.15	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.

S. No	EC Conditions
10.16	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

11. Specific Conditions

S. No	EC Conditions
11.1	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

Additional EC Conditions

N/A

Annexure 2

Details of the Project

S. No.	Particulars	Details								
a.	Details of the Project	Development of Harohalli - 5th Phase Industrial Area of 369.19 Ha (912.31 Acres)								
b.	Latitude and Longitude of the project site	12.70211023572293,77.42978019692185 12.7323840274772,77.4597784718635								
c.	Land Requirement (in Ha) of the project or activity	<table border="1"> <thead> <tr> <th>Nature of Land involved</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>Non-Forest Land (A)</td> <td>369.19</td> </tr> <tr> <td>Forest Land (B)</td> <td>0</td> </tr> <tr> <td>Total Land (A+B)</td> <td>369.19</td> </tr> </tbody> </table>	Nature of Land involved	Area in Ha	Non-Forest Land (A)	369.19	Forest Land (B)	0	Total Land (A+B)	369.19
		Nature of Land involved	Area in Ha							
		Non-Forest Land (A)	369.19							
		Forest Land (B)	0							
Total Land (A+B)	369.19									
d.	Date of Public Consultation	Public consultation for the project was held on								
e.	Rehabilitation and Resettlement (R&R) involvement	NO								
f.	Project Cost (in lacs)	145399.21								
g.	EMP Cost (in lacs)	5059								

S. No.	Particulars	Details
h.	Employment Details	

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
Land	Product	369.19	Hectares (Ha)	Not Applicable, since it is a area development project.	

