

BIHAR INDUSTRIAL AREA DEVELOPMENT AUTHORITY
1st Floor, Udyog Bhawan, East Gandhi Maidan, Patna-04

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Public Notification

(Grant of Environmental Clearance for IMC Gaya under AKIC Project)

It is to be informed that an **Integrated Manufacturing Cluster (IMC), Gaya** is proposed to be established under **Amritsar Kolkata Industrial Corridor (AKIC) Project** in an extent of 1670.22 acre (675. 93 ha) at 13 revenue villages named; Gamhariya, Kishoriya, Gangi, Mangruchak, Bariya, Lembogara, Gazichak, Kharanti, Sugasot, Masaundha, Babhavandev, Banvasi and Invorva in Dobhi block of Sherghati subdivision under Gaya district, Bihar. The Geo-coordinates of the project site fall in the Latitude: 24°25'52" N to 24°29'33" N; Longitude: 84°52'13" E to 84°55'04" E.

For development of IMC Gaya project, the Ministry of Environment, Forest & Climate Change (MoEF&CC), New Delhi has granted Environmental Clearance of the project vide EC identification no EC25A3102BR5327540N, File No 10/20/2024-IA.III, dated 18.03.2025 under the provisions of EIA Notification, 2006 and subsequent amendments.

The particulars of EC granted to the project are as below:

1. EC Identification No: EC25A3102BR5327540N
2. File No: 10/20/2024-IA.III
3. Clearance Type: Fresh EC
4. Category – A
5. Project / Activity including schedule no- 7(C) Industrial estates/ parks/ complexes/ areas, export processing Zones (EPZs), Special Economic Zones
6. Sector: INFRA 1
7. Name of Project: Development of Integrated Manufacturing Cluster, (IMC) at Gaya, Gaya District, Bihar
8. Name of Company Organization: Bihar Industrial Area Development Authority
9. Project location- Gaya, Bihar
10. Issuing Authority: MoEF&CC
11. Applicability of General Conditions as per EIA Notification, 2006: No

The Environmental clearance (EC) letter is available on the website of MoEF&CC: <https://parivesh.nic.in/> and BIADA <https://biada1.bihar.gov.in>

For implementation of the project a Special Purpose Vehicle (SPV) namely '**Bihar Integrated Manufacturing City Gaya Limited (BIMCGL)**' has been exclusively incorporated under collaboration of Government of India represented by National Industrial Corridor Development and Implementation Trust (NICDIT) and Government of Bihar, represented by Bihar Industrial Area Development Authority (BIADA).

This information is available on state.bihar.gov.in/prdbihar also

PR- 22475 (B & C) 2024-25

नशे की मार, बर्बाद करे सुखी परिवार

DGM Technical (HQ)



सत्यमेव जयते

File No: 10/20/2024-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 18/03/2025



To,
Mr Manish Kumar
Bihar industrial area development authority
1st Floor, Udyog Bhavan, Gandhi Maidan, Patna, GAYA, BIHAR, 800004
dgmnorth.tech@bihar.gov.in

Subject: Development of Integrated Manufacturing Cluster (IMC) of 675.93Ha (1670.22 Acres) at Gaya, Gaya District, Bihar by M/s Bihar Industrial Area Development Authority–Environmental Clearance regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/BR/INFRA1/522494/2025 dated 06/02/2025 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.	EC25A3102BR5327540N
(ii) File No.	10/20/2024-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 Integrated Manufacturing Cluster (IMC) at Gaya, Gaya District, Bihar
(viii) Name of Company/Organization	Bihar industrial area development authority
(ix) Location of Project (District, State)	GAYA, BIHAR
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The proposed project is for the 'Development of Integrated Manufacturing Cluster (IMC) of 675.93 Ha (1670.22 Acres)

at Gaya, Gaya District, Bihar by M/s Bihar Industrial Area Development Authority’.

4. The proposed project is being implemented under the National Industrial Corridor Development Programme as a part of the Amritsar Kolkata Industrial Corridor (AKIC) project. The project is being jointly developed by GoI represented by the National Industrial Corridor Development and Implementation Trust (NICDIT) & Government of Bihar (GoB) represented by the Bihar Industrial Area Development Authority (BIADA).

5. The project site is located at Dobhi block of Sherghati subdivision of Gaya district in Bihar State. The proposed IMC site is spread across 1670.22 acres (as per land records). The IMC site is falling in 13 revenue villages i.e., Gamhariya, Kishoriya, Gangi, Mangruchak, Bariya, Lembogara, Gazichak, Kharanti, Sugasot, Masaundha, Babhavandev, Banvasi & Invorva in Dobhi block of the Sherghati subdivision of Gaya district. The Geo-coordinates of the project site fall in the Latitude: 24°25'52" N to 24°29'33" N; Longitude: 84°52'13" E to 84°55'04" E.

6. The proposed project activity is listed at schedule S.No.7(c) Industrial estates/parks/ complexes/Areas, export processing zones (EPZs), Special economic zones (SEZs), Biotech parks, Leather complexes under Category- ‘A’, of the schedule of the EIA Notification, 2006 and its amendments due to applicability of general condition as Interstate Boundary Jharkhand–Bihar is adjoining the project boundary. Total Project Cost is Rs.1339.02 Cr.

7. Terms of References (TOR) Details: The ToR proposal was considered in the 372nd EAC meeting held on 21st-22nd August 2024, the committee recommended the proposal for undertaking a detailed EIA/EMP report. Ministry granted the TOR vide letter no.10/20/2024-IA.III dated 01.10.2024. Further, an Amendment in ToR was granted on 02.12.2024 regarding the revision of the buffer of min. 100 m from the edge of Falgu River instead of the 500m width suggested earlier by the EAC vide ToR dated 01.10.2024.

8. Public Hearing Details: The public hearing was conducted in the Gaya district of Bihar state on 10.01.2025. The details of the public hearing are as follows:

Date	Venue	District and State	Chairman
10-01-2025	Project Site, Dobhi Block Office, District Gaya, Bihar	Gaya District, Bihar	Additional Collector (Law and Order), Gaya District

9. Land use/Land cover of the project site: The total area involved in the proposed development is 675.93ha(1670.22 Acres) out of which government land is 636.88 Acres i.e.(38%) and Private Land is 1014.74 Acres i.e. 61% of the total land. The Details land use are as follows:

Sl. No.	Classes	Area (Acres)	Area (in Ha.)	% of Area
1	Agriculture-Plantation	10.82	4.37	0.65
2	Crop Land	1487.20	601.84	89.04
3	Plantation	27.11	10.97	1.62
4	Rural	9.19	3.71	0.55
5	Scrub Land	135.90	54.99	8.14
	Total	1670.22	675.93	100

10. List of industries to be housed with the proposed project site, for projects covered under the 7(c) category of EIA Notification, 2006.

Focus Sector	Anticipated Types of Industries/activities as per NIC Classification	Categorization of Industry as per EIA Notification, 2006	Categorization as per CPCB	Pollution Index
Agro/ food processing sector	Food and Beverages (NIC Division 10 and 11)	Not Applicable	Red, Orange, Green, and White	W13, A1D, A2F2
Technical Industry	Manufacturing of Auto-components/ Farm equipment; Steel based	In case of secondary metallurgical industry-3(a) Category B Others	Red, Orange, and White	W11, A1A

	Products; Medical/ Electronics Equipment; Aerospace/ Defence; Electronics; MSME-NIC Division 24, 25, 26, 27 and 28	not applicable		
Leather products and Yarn-to Garment Cluster	Manufacture of wearing apparel and leather and related products (NIC Division 14 and 15)- No tanneries only product manufacturing	Category B if located in a notified industrial area.	Red, Orange, Green, and White	
Furniture	Furniture-NIC 31	Not Applicable	Orange, Green, and White	A1C
Building Materials	Manufacture of other non-metallic mineral products- NIC 23	Not Applicable	Green, and White	W13
Traditional Small Industries	Handicraft and Handloom products	Not Applicable	White	
Construction	Common Ready-Built-Sheds	Not Applicable	White	
Logistics	Warehouse Area-NIC 52	Based on built up area; need to undertake Environmental Clearance	Orange	W13, A1C
Retail	Commercial buildings-NIC 47			
Retail	Petrol Pump; District Centre/Community Centre	Not Applicable	Green	A1F
Service	Hotels-NIC 55	Based on built up area; need to undertake Environmental Clearance	Red, Orange, and Green	W11, W13, W16, A1C, A1D
Healthcare	Hospitals-NIC 86	Based on built up area; need to undertake Environmental Clearance	Red	W11
Skill Development	Skillssets Development Institutes; Technology Training Centres-NIC 85	Not Applicable	White	

The committee noted that the red category units proposed are the automobile component industries, which will involve processes like electroplating which will result in acidic discharges. Thus the committee opined that these industries shall be placed away from the River Falgu i.e. other side of the project area.

11. Terrain and Topographical Features: The project site is contiguous and gently sloping from west to east. It is quite undulating in nature with an elevation between 155m to 185m. The site mainly consists of agricultural lands, settlements, and scrubland.

12. Details of water bodies, impact on drainage: The project area is on the northwest side of adjoining River Falgu having its slope towards the river. There are 2 No. of canals / nalas crossing through the project site along with few minor streams. One Canal/Nala is running along the project boundary on the southeast side, joining the Falgu River in the north. The other canal / nala crosses from the middle of the Project Area joining the Falgu River. The natural slope of this area is towards this canal /nala and also has been considered an outfall location for the internal drain of IMC. As it is a major stream that also carries runoff from downstream of the site, it becomes very important to not disturb the natural stream but rather to reinforce it. No impact on the natural flow of the river as it is safeguarded with green buffers. These buffers along the Falgu River shall be treated as 'No Development Zone (NDZ). Site drainage is planned in such a way that it will not impact the existing drainage pattern.

Sl. No.	Water Bodies	Distance (~Kms.)
1	Falgu River	adjoining (NW) runs parallel N to S
2	Lilajan Weir	3.0 (W)
3	Two Canals/ Nalas	along the project boundary (SE), and the middle of the project area

The project area is on the northwest side of adjoining River Falgu having its slope towards the river. PP mentioned that from the project boundary to the high flood level of the river 100 mtrs, shall keep the no development zone, and will develop the plantation. Apart from this, 15-mtrswide green belt shall be developed all along project boundary. Further, due to the proposed project no drainage shall be altered and disturbed and shall maintain at least 30 mtrs green belt around the drainages and no discharge effluents shall be released into the drainages and river.

13. Water requirements: The water requirement during the construction phase shall be 3.6 MLD while operation phase, the total water requirement is estimated to be around 37.41 MLD where potable water is 17.97 MLD and non-potable water is 19.45 MLD. The source of water supply for the proposed IMC at Gaya will be met through Hybrid water source i.e. the combination of a surface water source and a groundwater source. During the operation phase, surface water will be met from the Ganga Water Lift Scheme. Groundwater will be used for potable purposes after approval from CGWA until surface water is made available and during the maintenance of the surface water supply for the initial stage of the project. CGWB permission is in progress. It is proposed to fulfil the IMC Gaya initial demand through Ground water source i.e. via extracting ground water through tube wells initially and ultimate water demand to meet through the surface water source. However, the ground water extraction through tube well will be done on short term basis till the time surface water is not made available. As per the classification of Central Ground Water Board (CGWB), the project site falls under safe zone and groundwater can be extracted. Permission shall be obtained from CGWB. Groundwater is proposed to be utilized until the water supply pipeline is made available and also for administrative office purpose. During the operational phase water will be sourced from the Ganga Water Lift Scheme (GWLS), no ground water shall be extracted during operational phase.

14. Waste Management: About 34 TPD of municipal solid waste is estimated to be generated from the proposed project. The wet waste will be sent to the organic waste treatment facility proposed within the site. The mix of dry waste would be manually segregated in the sorting platform to collect all the recyclables like paper, plastic, metals rubber glass, etc. These recyclables will be baled and sold to the authorized vendors. 1200 TPA Bio-medical waste generated shall be given to authorized bio-medical waste recyclers. 25 TPA Plastic waste, 35 TPA E-waste, and 15 TPA Batteries waste will be disposed of through BSPCB authorized vendors. 12500 TPA Industrial Waste (Hazardous) will be disposed of at a nearby TSDF site as per Hazardous Waste Management Rules, 2016. 1250 TPA C&D Waste will be disposed of as per C&D Waste Management Rules, 2016. Wastewater: The estimated industrial wastewater generation in IMC is 14.02 MLD. Individual industries will treat industrial wastewater up to the primary level in the common effluent treatment plant (CETP) proposed in IMC. The estimated capacity of CETP is 14.5 MLD capacity. Treated wastewater will be reused within the IMC. CETP shall be developed on a modular basis. The estimated sewage generation in IMC is 6.36 MLD of sewage. Individual industries will treat wastewater up to the tertiary level in the Sewage treatment plant (STP) proposed, which will be of 6.5 MLD capacity. Treated wastewater will be reused within the IMC. STP will be developed on a modular basis.

15. Details of Tree Cutting and Green Belt Development: The proposed project envisages the cutting of 4500 trees (15 Ha). About 450 trees are proposed for transplantation. An area of 551 acres i.e., 33% of the total project area shall be kept reserved under green. Therefore, at the master plan level, 20.30 % of the area is given as green areas and the remaining 12.70% will be carved out at the plot level.

16. Diversion of forestland: The instant proposal does not envisage any diversion of forestland as there is no forestland involved.

17. Gautham Buddha Wildlife Sanctuary in Bihar is located 6.7 Km from the project site. Protected Area (PA)/Eco-Sensitive Zone (ESZ) was notified vide Gazette Notification S.O.2200 (E) dated 12.07.2017 by MoEFCC and its ESZ boundary (Bihar GBWLS) is 4.1 km from the project site. Gautham Buddha Wildlife Sanctuary in Jharkhand is located 10.8 Km from the project site. Protected Area (PA)/Eco-Sensitive Zone (ESZ) was notified vide Gazette Notification S.O.2796 (E) dated 02.08.2019 by MoEFCC and its ESZ boundary (Jharkhand GBWLS) is 9.6 km from the project site. The project site is situated outside PA/ESZ. No NBWL clearance is applicable. The Schedule I species like Brahminy Kite, Indian Fox, Common Indian Cobra, Indian crested Porcupine, Indian Peafowl, Shikra, Indian Monitor Lizard, Fan throated Lizard, Russell's Viper, etc are reported within the study area are. The wildlife mitigation and conservation plan has been prepared for schedule-I species.

18. Energy conservation measures with estimated savings: Solar rooftops are proposed for utility buildings including pumping stations and substation buildings in the proposed project site. A total of 262 kWp rooftop solar panels shall be

installed. Approx. 318 Acres (50% of the terrace area) shall be earmarked as a Solar Terrace Area.

19. Details of Rainwater Harvesting: Rainwater harvesting recharge pits are planned at every plot in the proposed IMC, Gaya. It is proposed to integrate stormwater drains with these rainwater harvesting pits to collect the stormwater runoff which can be stored. About 9 rainwater harvesting sites were identified.

20. Land acquisition and R&R issues involved: The state Govt. has delineated 1670 acres of land for the project, out of which 1652 acres are under the possession of the Industries Department, the revenue department handed over private land in September 2023 and the State Cabinet transferred Govt. land in January 2024. Balance 18 acres of land is being acquired. Compensation of settlements is being paid after verification of legal ownership of land. About 33 settlements were found in the project site. Resettlement & Rehabilitation (R&R) shall be carried out as per RFCTLARR 2013 policy and by state law "Bihar Land Acquisition and Resettlement and Rehabilitation Policy, 2007". Compensation by the District Revenue Department shall be done accordingly as per the said R&R policies. Joint Survey on settlements present in the project site has also been completed by Revenue officials.

21. Employment Potential: The project is likely to generate employment by the end of the year 2039 is approximately 1,09,185 which includes direct employment of 51,993 and indirect employment of about 57,192. Preference will be given to the locals for employment based on skillset. Skill Development training shall be provided.

22. Benefits of the project: The Integrated Manufacturing Cluster (IMC) is being developed under the AKIC project at Gaya, which serves as the pilot project node in Bihar due to its strategic location. As one of the Phase-1 IMCs of the AKIC Corridor, the IMC will provide essential logistics infrastructure to enable firms to focus on their core competencies. It will include facilities for road networks, water supply, stormwater drainage, wastewater management, power supply, solid waste management, and ICT networks. This project aims to catalyze local commerce and attract both private and public sector investments, with an expected investment of 6.00 crore per acre. The IMC is poised to set a benchmark for sustainable development and create a world-class industrial destination, supporting local MSMEs and fostering a robust supply chain network. The development of industrial corridors is anticipated to create jobs, enhancing local employment potential to approximately 1,09,185 by 2039. This growth will help preserve familial structures, improve social integration, and raise human development standards. Additionally, the project can reduce unemployment and poverty levels in rural areas by providing permanent employment and improving living standards through digital education, skill enhancement centers, and health services.

23. Details of Court cases: The proposed project does not involve any court case/ litigation.

24. The EAC based on the information submitted and clarifications provided by the project proponent and detailed discussions held on all the issues during 391st meeting during 14th February 2025 and recommended the project for grant of environmental clearance with stipulated specific conditions along with other Standard EC Conditions.

25. 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 Clearance for 'Development of Integrated Manufacturing Cluster (IMC) of 675.93 Ha (1670.22 Acres) at Gaya, Gaya District, Bihar by M/s Bihar Industrial Area Development Authority' 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.

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

Copy To

1. The Principal Secretary, Environment and Forest Department, Government of Bihar, Secretariat, Patna-800 015, Bihar.
2. The Principal Chief Conservator of Forests (HoFF), Bihar Forest Department, Visweshwaraiya Complex, Chowthi Manzil, Technology Bhavan, Bailey Road, Patna-800 015, Bihar.
3. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change (MoEF&CC), Integrated Regional Office Ranchi, 2nd Floor, Headquarter-Jharkhand State Housing Board, Harmu Chowk, Ranchi-834 002, Jharkhand.
4. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110 032.
5. The Member Secretary, Bihar State Pollution Control Board, Parivesh Bhawan, Plot No. NS-B/2, Patliputra Industrial Area, Patliputra, Patna-800 023, Bihar.
6. Compliance and Monitoring Division, Ministry of Environment, Forest and Climate Change (MoEF&CC), Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110 003.
7. Parivesh Portal.

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	i. No-development zone of 100 meters shall be maintained from the project boundary to the high flood level of the River Falgu. This area will be dedicated to plantation development. Beside this 100 meter wide green belt a green belt of 15 meters width shall be developed all along the project boundary with in the project area.
1.2	The proposed project shall not cause any alteration or disturbance to the natural drainage pattern. A 30-meter green belt must be maintained around all drainage areas to ensure ecological protection. Further, PP shall prepare a plan for the rejuvenation of the water streams crossing through the project boundaries as well as for Falgu river in consultation with state forest department and state water resource / irrigation department which shall be submitted to the IRO of the MoEF&CC along with the first 6 monthly compliance report and progress of implementation of this plan be submitted in subsequent 6 monthly compliances .
1.3	PP shall utilize groundwater only initial stage for the construction phase of Industrial area only and as proposed for the operational phase the water shall be sourced from the Ganga Water Lift Scheme (GWLS), no ground water shall be extracted during operational phase. PP shall also submit the permission obtained for water supply from Ganga Water Lift Scheme (GWLS) to the Concern IRO, MoEF&CC along with the first 6 monthly EC compliance report.
1.4	NoC from the Central Ground Water Authority (CGWA)/Concerned Local authority, as the case may be, shall be obtained before drawing the ground water for the project activities, State Pollution Control Board/ Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.
1.5	The PP shall construct a garland drain, with catch pits of appropriate capacity at an appropriate distance, all around the industrial estate and also around the water bodies falling within the project boundary to prevent runoff of any contaminants/ waste into the nearby water bodies. The garland drains shall be designed such that the runoff within the boundary of the industrial area is collected in the garland drains, which shall be treated appropriately, and conform to CPCB standards.
1.6	No sewage or untreated effluent water would be discharged through stormwater drains, drainage systems or the river is permitted throughout the duration of the project. The project developer (PP) must implement measures to monitor and ensure compliance with these conditions to prevent any significant flooding in areas adjacent to the project site.
1.7	Rainwater harvesting for roof run-off and surface run-off, as the plan submitted shall be implemented. Before recharging the surface runoff, pre-treatment must be done to remove suspended matter, oil, and grease. The borewell for rainwater recharging shall be kept at least 4 m

S. No	EC Conditions
	above the highest ground water table.
1.8	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.
1.9	Soil and groundwater samples will be tested to ascertain that there is no threat to groundwater quality by the leaching of heavy metals and other toxic contaminants. Frequent monitoring of groundwater and surface water will be done to ensure that the quality of water is being maintained within the norms the report of the same shall be submitted to the concerned IRO, MoEF&CC along with the six-monthly EC & CRZ compliance report.
1.10	Detailed Biodiversity assessment and conservation/mitigation plan be developed by a reputed institute or by a team of experts of national repute. The recommendations of the biodiversity conservation plan shall be implemented in true spirit in consultation with the state forest department. If any specific mitigation measures are recommended by the Forest Department the same shall be incorporated in the Plan. The biodiversity assessment and conservation/mitigation plan shall be submitted to the Concern IRO, MoEF&CC within 6 months along with the first 6-monthly EC compliance report and compliance of implementation of this plan shall be submitted in subsequent 6 monthly compliance reports.
1.11	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 types of industries to conduct public hearing irrespective of their location within the Industrial Area or outside the industrial area.
1.12	The proposed individual units need to take Environmental Clearance separately as per the applicability of the schedule of EIA Notification, 2006.
1.13	Project Proponent shall strive to enhance the Green Belt beyond 33% and that the trees planted in this regard would be planted under the campaign " एक_पेड़_म११_के_नाम " and the details of the trees planted would be uploaded on the portal https://merilife.nic.in .
1.14	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 that they should not leach into the groundwater.
1.15	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, and should be operated only during non-peak hours.
1.16	Any hazardous waste generated during the development/ construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Rajasthan State Pollution Control Board.
1.17	The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted along with the six-monthly EC compliance report to the concerned IRO of the Ministry before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.

S. No	EC Conditions
1.18	Sewage shall be treated in the STP with tertiary treatment i.e. Ultra Filtration. The treated effluent from STP shall be recycled/reused for flushing and landscaping.
1.19	Ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, PM2.5, SO2, and NOx are anticipated in consultation with SPCB within and outside the industrial estate area at least at four locations (one within and three outside the port area at an angle of 120° each), covering upwind and downwind directions. An 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 with prescribed fugitive emission standards. Data on ambient air quality and emission shall be regularly submitted to the IRO, MoEF&CC along with the six-monthly EC & CRZ compliance report.
1.20	Installation of Ambient Air Quality data shall display unit for public display.
1.21	PP shall utilize renewable energy preferably solar power and submit a commitment to meet at least 20% of the total energy requirement of the proposed project through solar power. The total renewable energy and solar power plan shall be submitted to the IRO of the Ministry in its first six monthly compliance report and the progress of implementation of this plan be submitted in the subsequent 6 monthly compliance reports.
1.22	Red category industrial units to be avoided near residential areas, habitations and water bodies. A distance of approximately 500 meters shall be maintained for the establishment of the red category industry from the residential area.
1.23	All the recommendations 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.

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.
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

S. No	EC Conditions
	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.
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.

S. No	EC Conditions
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.
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.

S. No	EC Conditions
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.
8.3	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

S. No	EC Conditions
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.
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.

S. No	EC Conditions
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.
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

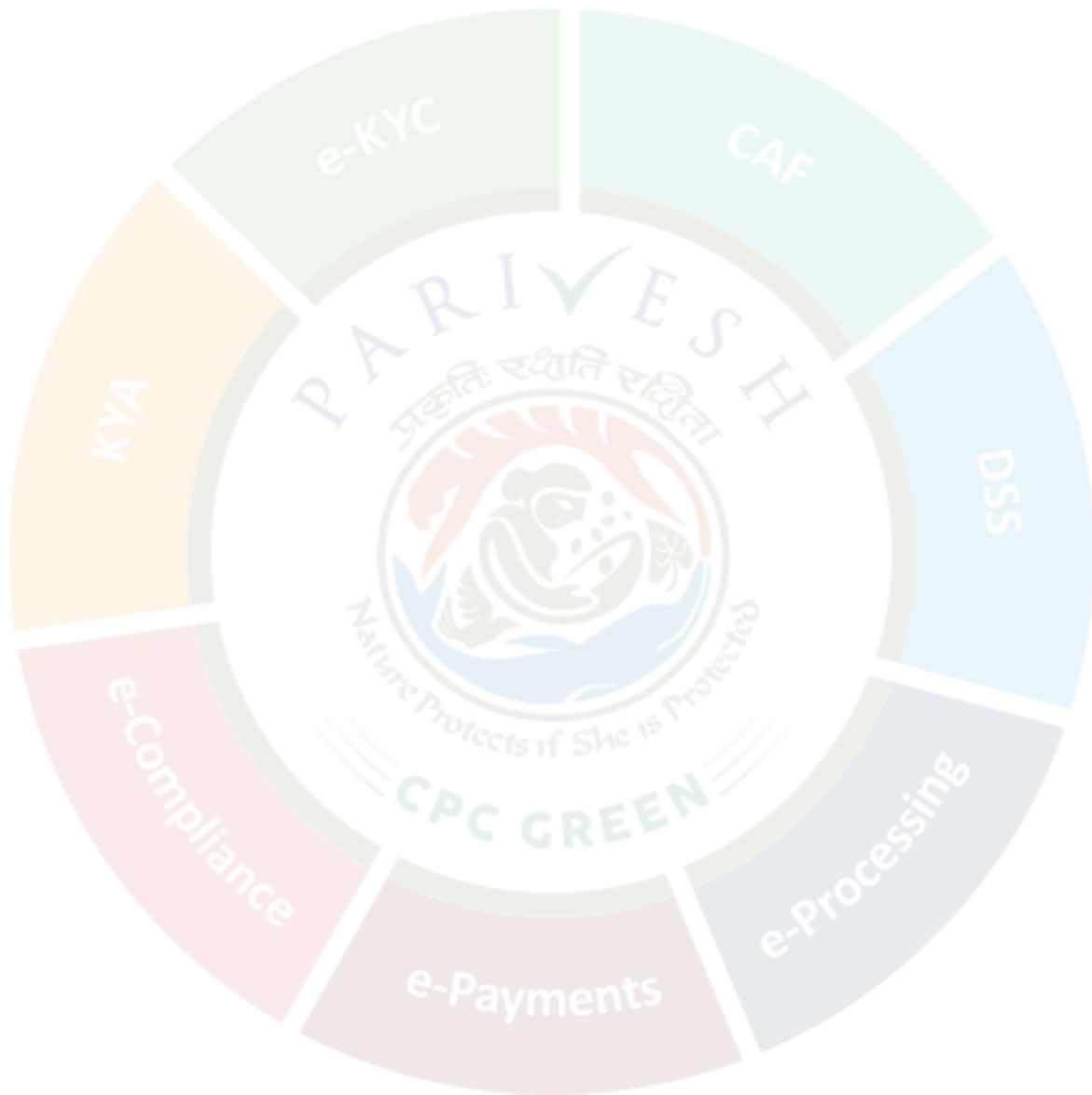
Annexure 2

Details of the Project

S. No.	Particulars	Details	
a.	Details of the Project	Development of Integrated Manufacturing Cluster (IMC) at Gaya, Gaya District, Bihar	
b.	Latitude and Longitude of the project site	24.4406, 84.8985 24.4411, 84.8993	
c.	Land Requirement (in Ha) of the project or activity	Nature of Land involved	Area in Ha
		Non-Forest Land (A)	675.93
		Forest Land (B)	0
		Total Land (A+B)	675.93
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)	133902	
g.	EMP Cost (in lacs)	13279	
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)
Proposed project is classified as industrial park	Product	0	NA	Combination of two or three modes	Proposed project is classified as industrial park



Signed by
Amardeep Raju
Date: 18-03-2025 13:16:51
Reason: Verified and
signed