	CLEARANCE	To, The Add CEO UPEIDA UTTAR PRADESH EXPE	overnment of India nment, Forest and Climate Change te Environment Impact Assessment ty(SEIAA), Uttar Pradesh)
		AUTHORITY (UPEIDA) Paryatan Bhawan , 2nd F -226010	Floor , C-13, Vipin Khand Gomti Nagar , Lucknow
PARIVESH	and Responsive Facilitation by Interactive, ous Environmental Single-Window Hub)	under the provision of El Sir/Madam, This is in reference to in respect of project submit	EC22B031UP137453 6573 New B1 7(c) Industrial estates/ parks/ complexes/ areas, export processing Zones
	(Pro-Active and Virtu	The project details along with terms no 2 onwards.	and conditions are appended herewith from page
	d)	Date: 20/10/2022	(e-signed) Member Secretary Member Secretary SEIAA - (Uttar Pradesh)
	PARTER PARTER Marter		



**Directorate of Environment, U.P.** Vineet Khand-1, Gomti Nagar, Lucknow- 226010 E-Mail- doeuplko@yahoo.com, seiaaup@yahoo.com Phone no- 0522-2300541

# Reference- MoEFCC Proposal no- SIA/UP/NCP/66749/2022 & SEIAA, U.P File no-6573

Sub: Environmental Clearance for Proposed UP Defence Industrial Corridor" at Village– Sarh, Tehsil: Narwal; District-Kanpur Nagar, U.P., M/s Uttar Pradesh Expressways Industrial Development Authority (UPEIDA).

Dear Sir,

This is with reference to your application / letter dated 16-09-2021, 20-09-2021, 18-08-2022, 08-09-2022 on above mentioned subject. The matter was considered by 684<sup>rd</sup> SEAC in meeting held on 08-09-2022 and 655<sup>th</sup> SEIAA in meeting held on 03-10-2022.

A presentation was made by the project proponent along with their consultant M/s EQMS India Pvt. Ltd to SEAC on 08-09-2022.

# Project Details Informed by the Project Proponent and their Consultant

The project proponent, through the documents and presentation gave following details about their project –

- 1. The environmental clearance is sought for "UP Defence Industrial Corridor" at Village– Sarh, Tehsil: Narwal; District-Kanpur Nagar, U.P., M/s Uttar Pradesh Expressways Industrial Development Authority (UPEIDA).
- 2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 382/Parya/SEIAA/6573/2021, dated 23/12/2021.
- 3. The public hearing was organized under the chairmanship of Additional District Magistrate (City) Kanpur Nagar on 30/06/2022. Final EIA report submitted by the project proponent on 08/08/2022.
- 4. The proposed site is for the development of UP defense Industrial Corridor spread over an area of 213.5304 ha.
- The proposed project is an industrial area development which will have multiple engineering and secondary metallurgical industries. This may involve furnace of > 30000 tonnes per annum (TPA) which is Category B sector 3(a) i.e. secondary metallurgical processing industry as per EIA notification 2006 and amended.

S.N.	Particulars U	Unit	Details				
1	Project Cost	Rs.	385.54 Crores				
AREA	DETAILS						
2	Total Plot Area	m <sup>2</sup>	2135304				
			(213.5304 ha.)				
3	Common Road Area (to be developed by	m <sup>2</sup>	243638.19				
	UPEIDA) – (A)		(11.41% of total plot area)				
4	Area under services and common	m <sup>2</sup>	118200				
	infrastructure						
5	Common Green Area (to be developed by	m <sup>2</sup>	213530.40				
	UPEIDA) –(B)		(10 % of total plot area)				
5	Total Plotted Area	m <sup>2</sup>	1560000				
6	Ground Coverage (Permissible) (55%)	m <sup>2</sup>	858000				
7	Permissible FAR (1)	m <sup>2</sup>	1560000				
6	Ground Coverage (Permissible) (55%)	m <sup>2</sup>	858000				

6. Salient features of the project:

8	Non-FAR Area/ Service Area (0.15)			m2							
9	Built up area (FAR + Non-FAR)				m2		1794000				
10	Parking –(C)					No. m2		15600			
11	Open Area (including Roads)							457169			
	POPULATION/EMPLOYMENT										
12	Staff (@20 persons per 1000 m <sup>2</sup> )					Nos. 31200					
13	Visitor (20% ad	,				Nos.		6240			
14	Total Population					Nos.		37440			
	ICE DETAILS & E		TAL ASPEC	CTS		1		1			
15	Total Water Re					KLD 6625					
16	Fresh Water R	equirement				KLD					
							Industrial Purpose - 4625				
47				-	9	1/1 5		Domestic-6	586,		
17	Domestic Was			20	2	KLD	7	1423			
18	Wastewater T	reatment Sch	emes			KLD		STP-1500			
10	Treated Mater	Available	-			KLD		MBBR Technology			
19 20	Treated Water Effluent Gener					KLD	-	1280 2313			
20						MW			2		
21	Power Require Power Backup	ement				KVA	-		100		
22	Rain water hai	wosting nits					-	232	2x125		
	and use break-u				-	nos		252			
Partic		Are <mark>a (Sqm</mark> )	-	Area (a	ocre			Area (ha)		%	
	ed area	1560000			.)	156.0000			73.06		
	Area	213530			,	21.3530		10.00			
Comr		118200 29.21			11.8200		5.54		5		
	nfrastructure	110200		23.21				11.0200		5.54	
	non Road Area	243638 60.20					24.3638		11.4	1	
-	Plot Area (A)	2135369			213.5		100.00				
	Vater and waste		113								
Partic	culars	Quantity	Factor	Tot	al	Water	D	omestic	Flushing		Wastewater
	6		Requir				equirement			(in KLD)	
	5		(in KLD		)	(in KLD)		(in KLD)			
Wate	r Requirement							/		6	
Dome	estic 🦳 📿								1		
Staff		31200	45	140	)4		62	24 780			
Visito	ors	5935	25 156		62		94				
Sub-t	otal	P		1560			686		874		
		riv -				Wastewater G					
	ewater		1Cc	1	2	CC	54	19	874		1423
Indus				13			1				
Industrial Water		385.484	12		25						2313
		acres	-								
	andscaping 217200 m <sup>2</sup> 1.5 L/m <sup>2</sup> 320							0			
Wate				650	)5						
	Requirement (Avg										
	Daily)						<u> </u>				
	Fire Water556Total Water7061				-				2726		
	Total Water7061Note : It is proposed to provide CSTP (1500 KLD) and CE						 ha ·	araiast site 7	 Thuc the c	offluor	3736
	e treated withi	•	-	-				-			-
				-					•	-	-
<ul><li>landscaping and industrial process as required. Zero Liquid Discharge shall be achieved for the project.</li><li>9. Solid waste generation details:</li></ul>											
9. Solid waste generation details:											

Category	Capacity	Standard-	Total Waste-	Biodegradable	Non-		
		Kg/day		Waste	Biodegradable		
			kg/day	kg/day	Waste		
					kg/day		
Domestic Waste							
Staff	31200	0.3	9360	3744	5616		
Visitor	6240	0.15	936	374	562		
Landscaping		0.2 Kg/acre	11	11			
Total Municipal Was	te		10307	4129	6178		
STP Sludge			40 kg/day				

10. Hazardous waste details:

S. No.	Category of Waste	Quantity Disposal		Applicable Rule	
1	Biodegradable Waste	4129 Kg/day	Common OWC	Solid Waste Management Rules, 2016	
2	Non-Biodegradable 🦯	6178 Kg/day	Given to	Solid Waste Management Rules, 2016	
	waste (A+B)	2:	Recycler as per		
Α	Plastic Waste	3089 Kg/day	applicable Rule	Plastic Waste Management Rules,	
	100			2016	
В	Other Waste	3089 Kg/day		Solid Waste Management Rules, 2016	
3	E-Waste	5 Kg/day		E-Waste (Handling & Management)	
				Rules, 2016	

11. Around 23,485 trees proposed to be planted by UPEIDA.

12. The project proposal falls under category–7(c) of EIA Notification, 2006 (as amended).

Based on the recommendations of the State Level Expert Appraisal Committee Meeting (SEAC) held on 08-09-2022 the State Level Environment Impact Assessment Authority (SEIAA) in its Meeting held 03-10-2022 and decided to grant of environmental clearance on the proposal as above alongwith standard environmental clearance conditions prescribed by MoEF&CC, GoI and following additional conditions:

### Additional Conditions:

- I. UPEIDA in consultation with UPSPCB will establish required number of CAAQMS in district within a period of one year and submit geo-referenced map of these stations along with data. Details of existing CAAQMS, if any, be submitted within a period of three months.
- II. Qualified Environmental health and safety experts shall be appointed and the expert will report directly to the head of the organisation.
- III. UPEIDA has proposed ZLD for the units to be installed in the defence corridor.
- IV. Management of hazardous waste will be carried out as per the existing rules / act.
- V. Units coming up in this project will take EC for their project as per the existing regulatory framework.
- VI. Under the project, different purposes of area/land has been allotted, separate Environmental Clearance shall be taken for the project/activity having built-up area more than 20,000 sqm and any type of industry/activity covered under the provision of EIA Notification 2006, (as amended).
- VII. UPEIDA should ensure that 33% area of the total plot area should be developed as green area with native place while allotting the land to the individual unit. UPEIDA should ensure its compliance.

### Standard Environmental Clearance Conditions prescribed by MoEF&CC:

### I. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State

Forest Department. The implementation report shall be furnished along with the six-monthly compliance report, (in case of the presence of schedule-I species in the study area)

- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.
- viii. This environmental clearance is only for the said Industrial Area. Any other activity within the Industrial Area would require separate environmental clearance, as applicable under EIA Notification, 2006 as amended from time to time. For all the individual units, environmental clearances, as applicable, shall be obtained from the respective regulatory authorities.
- ix. The buildings shall have adequate distance (as per local building bye laws) between them to allow movement of fresh air and passage of natural light, air and ventilation in accordance with guidelines of local authorities

# II. Air quality monitoring and preservation

- i. The D.G. sets to be used during development/ construction phase shall be in conformity to Environment (Protection) Rules prescribed for air and noise emission standards. Storage of diesel shall be made underground and necessary approvals/permissions from Chief control of explosives to be obtained.
- ii. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking, loading and unloading shall be fully internalized and no public space shall be utilized.
- iii. Vehicles hired for bringing construction material to the site should have a Pollution Under Control (PUC) certificate and shall conform to applicable air and noise emission standards and shall be operated only during non-peak hours.

### III. Water quality monitoring and preservation

- i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986.
- ii. Construction of storm water drains for collection, storage and its re-use as per guidelines of Central Ground Water Authority (CG WA).
- iii. Fixtures for showers, toilet flushing and drinking shall be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured/recorded to ensure the water balance as projected by the project proponent. The record shall be submitted to the concerned Regional Office of the Ministry along with six monthly monitoring reports.
- v. Water demand during development/construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices referred. Project specific
- vi. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- vii. The project proponent shall make efforts to minimize water consumption in the industrial complex by segregation of used water, practicing cascade use and by recycling treated water.
- viii. Member industries shall treat the effluent to meet the prescribed CETP inlet norms.
- ix. The member units shall provide RCC tanks for storage of effluent for monitoring the characteristics of effluent before taking into the Common Effluent Treatment Plant (CETP) for further treatment.

- x. Proper flow meters along with online monitoring facilities shall be provided to monitor the effluent quality and quantity sent from member industries to CETP and from CETP to the final disposal/re-use on a continuous basis.
- xi. Weep holes in the compound wails shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
- xii. To achieve the Zero Liquid Discharge, waste water generated from different industrial operations shall be properly collected, treated to the prescribed standards and then recycled or reused for the identified uses. Project specific.
- xiii. The project should not amend or alter the pathways of the natural streams or creeks/nallah flowing.
- xiv. Rain water harvesting for roof run-off and surface run- off, as plan submitted shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging shall be kept at least 4 m above the highest ground water table.

### IV. Noise monitoring and prevention

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

### V. Energy Conservation measures

- i. Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- ii. Provide LED lights in their offices and residential areas.

### VI. Waste management

- i. Disposal of muck during development/construction phase should 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. The ground water quality of the adjacent to dumping area should be monitored and report should be submitted to MoEF&CC and its Regional Office concerned.
- ii. Fly ash bricks should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016.
- iii. All hazardous waste generated during development/ construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the Central Pollution Control Board/State Pollution Control Board.
- iv. Used LEDs shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible. Energy conservation measures should be as per Bureau of Energy Efficiency (BEE) standards.
- v. Air pollution and the solid waste management aspects need to be properly addressed ensuring compliance of the Construction and Demolition Waste Management Rules, 2016.
- vi. The solid waste generated shall be properly collected and segregated in accordance with the Solid Waste Management Rules, 2016. Wet garbage shall be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material. No municipal waste shall be disposed off outside the premises

### VII. Green Belt

- i. The UPEIDA should ensure that 33% area of the total plot area should be developed as green area with native place while allotting the land to the individual unit. UPEIDA should ensure its compliance.
- ii. Cutting of plants/trees are to be totally avoided by the construction labours. The contractor has to maintain log book for the purchase and distribution of fuel wood.
- iii. Management Plan for biodiversity conservation along with the implementation schedule should be prepared with the help of concerned government institution /state forest department, and same to

be submitted to MoEF&CC and its Regional Office before commencement of work. Sufficient fund provision to be made to implement the same.

- iv. All the topsoil excavated during development/construction activities should be stored for use in horticulture/landscape development within the project site. Report should be submitted to MoEF&CC and its Regional Office concerned.
- v. For monitoring of land use pattern, a time series of landuse maps, based on satellite imagery (on a scale of 1: 5000) of the core zone and buffer zone, shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEF and its concerned Regional office.

### VIII. Public hearing and Human health issues

- i. 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- ii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

### IX. Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-1 A.1II dated I<sup>sl</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) regarding plants located in the industrial estates/park shall be implemented.
- vii. Special purpose vehicle shall be established for implementation, monitoring and compliance of the environmental safeguards.

### X. Miscellaneous

- i. Construction material has to be brought from approved/authorized places.
- ii. Internal Road widths within the industrial area shall be minimum 18 m ROW.
- iii. Parking space to accommodate trucks, cars, two wheelers and bicycles shall be provided as per the norms.
- iv. 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.

- v. 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.
- vi. 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.
- vii. The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- viii. 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.
- ix. 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 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.
- xi. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xii. The project proponent shall abide by all the commitments and recommendations made in the E1A/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- xiii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xiv. 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.
- xv. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xvi. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvii. 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.
- xviii. 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.
- xix. 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.

Concealing factual data and information or submission of false/fabricated data and failure to comply with any of the conditions stipulated in the Prior Environmental Clearance attract action under the provision of Environmental (Protection) Act, 1986.

This Environmental Clearance is subject to ownership of the site by the project proponents in confirmation with approved Master Plan for Lucknow. In case of violation; it would not be effective and would automatically be stand cancelled.

The project proponent has to ensure that the proposed site in not a part of any no- development zone as required/prescribed/identified under law. In case of the violation this permission shall automatically deemed to be cancelled. Also, in the event of any dispute on ownership or land use of the proposed site, this Clearance shall automatically deemed to be cancelled.

Further project proponent has to submit the regular 6 monthly compliance report regarding general

& specific conditions as specified in the E.C. letter and comply the provision of EIA notification 2006 (as Amended).

These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006 including the amendments and rules made thereafter.

#### Copy, through email, for information and necessary action to -

- 1. The Principal Secretary, Department of Environment, Forest and Climate Change, Government of Uttar Pradesh, Lucknow (email <u>soenvups@rediffmail.com</u>)
- Joint Secretary, Ministry of Environment, Forest and Climate Change, Government of India, 3rd Floor, Prithvi-Block, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003 (email – sudheer.ch@gov.in)
- 3. Deputy Director General of Forests (C), Integ rated Regional Office, Ministry of Environment, Forest and Climate Change, Kendriya Bhawan, 5th Floor, Sector "H", Aliganj, Lucknow – 226020 (email – rocz.lko-mef@nic.in)
- 4. District Magistrate Lucknow.
- 5. Member Secretary, Uttar Pradesh Pollution Control Board, TC-12V, Paryavaran Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow-226010 (email <u>ms@uppcb.com</u>)

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- 6. Copy to Web Master for uploading on PARIVESH Portal.
- 7. Copy for Guard File.

(Ajay Kumar Sharma) Member Secretary, SEIAA