



सत्यमेव जयते

File No: J-11011/221/2011-IA. II(I)
Government of India
Ministry of Environment, Forest and Climate
Change
IA Division



Date 06/02/2024



To,

HIMANSHU KANABAR
ALMEGA PAINTS PRIVATE LIMITED
A907, 02 Commercial Premises Asha Nagar, Mulund west Mumbai 400080
surojitpalit@gmail.com

Subject: *Expansion of Resins (Solid) manufacturing from 5,520 TPA to 17503 TPA; Paint (Solvent and Water Based) from 47520 TPA to 87120 TPA in two Phases located at J.L. No. 01, Village Tulsiberia, R.S. Dag No. 2188 to 2194, 2196, 2297 to 2299, District Howrah, West Bengal by M/s Almega Paints Pvt. Limited-Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.*

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/WB/IND3/455716/2023 dated 26/12/2022 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.	EC23A2409WB5460125N
(ii) File No.	J-11011/221/2011-IA. II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(f) Synthetic organic chemicals industry
(vi) Sector	Industrial Projects - 3
(vii) Name of Project	Expansion of Resins (Solid) manufacturing from 5,520 TPA to 17503 TPA & Paint (Solvent & Water Based) Production from 47520 TPA to 87120 TPA, by M/s Almega Paints Pvt. Limited
(viii) Name of Company/Organization	ALMEGA PAINTS PRIVATE LIMITED
(ix) Location of Project (District, State)	HOWRAH, WEST BENGAL
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per	No

EIA Notification, 2006

3. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking Environmental Clearance for Expansion of Resins (Solid) manufacturing from 5,520 TPA to 17503 TPA; Paint (Solvent and Water Based) from 47520 TPA to 87120 TPA in two Phases located at J.L. No. 01, Village Tulsiberia, R.S. Dag No. 2188 to 2194, 2196, 2297 to 2299, District Howrah, West Bengal by M/s Almega Paints Pvt. Limited.

4. The project/activity is covered under Category 'A' of Item 5(f) Synthetic Organic Chemicals (excluding formulations) of Schedule of EIA Notification, 2006 (as amended) as the project is located outside the notified industrial area.

5. The Standard ToR was issued by the Ministry vide letter No J-11011/221/2011-IA. II(I); dated 02.11.2022. The PP applied for Environment Clearance in the Common Application Form and submitted EIA/EMP Report and other documents. The PP in the Form reported that it is an Expansion EC case. The proposal is placed in this 72nd EAC meeting on 2nd January, 2024 wherein the PP along with accredited Consultant, M/s. Parivesh Environmental Engineering Services., Lucknow. (NABET/EIA/2124/IA0092- Rev 02) Valid till 11.11.2024 made a detailed presentation on the salient features of the project. The information submitted by the PP is as follows:

6. The PP reported that the total land area is 35,248.12 m² (3.5248 ha), no additional land is required for the proposed expansion and no R& R is involved in the Project. The details of products and capacity are as follows:

S.No	Product Details (complete name)	CAS NO.	Existing Quantity (TPA)	Proposed Quantity (TPA)		Total Quantity (TPA)	Uses
				Phase-I	Phase-II		
1.	Resins (Solid)	63148-69-6	5520	6513	5470	17503	Used in paint manufacturing. It acts as a binder & vehicle of the pigment.
2.	Paint (Solvent and water based)	-	47520	19800	19800	87120	It is protective coating of the building/Machine and it increase the aesthetic look of the objects.

7. The PP reported that there is no violation case as per the Notification No. S.O. 804(E) dated 14.03.2017 and no direction is issued under E (P) Act/Air Act/Water Act.

8. Ministry had issued EC earlier vide letter no. J-11011/221/2011-IA. II(I); dated 22.03. 2013 to the existing project for Manufacture of Resins (5,520 TPA) at J.L. No. 01, Village Tulsiberia, R.S. Dag No. 2188 to 2194, 2196, 2297 to 2299, District Howrah, West Bengal by M/s Almega Paints Pvt. Limited.

9. The Status of compliance of earlier EC was obtained from Regional Office, Bhubaneswar vide letter no. 102-451/12/EPE/159 dated 01.05.2023 in the name of M/s. Almega Paints Pvt Ltd. The Action taken report regarding the partially/non-complied condition has been submitted to regional officer, MoEF&CC on 25.05.2023. MoEF&CC (RO), Bhubaneshwar evaluated the same and has issued letter dated 16.10.2023.

10. The PP reported that there are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. The Damodar River, Damodar Kata Nadi is flowing at a distance of 4.1 Km (West) & 9.0 Km in North West Direction respectively. Bansbati Khal, Kendua Khal & Madari Khal is flowing at a distance of 2.0 Km (West),4.0 km (E) & 8.0 (NW) direction respectively.

11. The PP reported that the Ambient air quality monitoring was carried out at 9 locations during March 2022 to May 2022 and the baseline data indicates the ranges of concentrations as: PM₁₀ (42.66-86.30 g/m³), PM_{2.5} (18.73-38.26 µg/m³), SO₂ (7.69-18.16g/m³) and NO₂ (15.37-28.67 g/m³). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 1.03 mg/m³, with respect to PM. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS). The maximum noise level measured in the study area was 36.65 to 73.45 dB(A) in day time and 31.22 to 64.16 dB (A) in night time, which were below the stipulated standards.

12. The PP reported that the total water requirement is after expansion (including Phase- I & Phase-II) is 107 m³/day of which fresh water requirement of 87 m³/day will be met from Ground Water Source. and balanced 20 KLD is recycled water. Permission for extraction of Ground Water has been taken under Permit No. P0614001020820000001TLE dated 21/06/2011. Industrial Effluent generation after expansion will be 21 KLD and the same will be treated in ETP followed by RO & MEE. The RO permeate will be recycled and the reject will be sent to MEE. The MEE salt will be sent TSDF for disposal. ZLD system will be adopted.

13. The Power requirement after expansion will be 400 kVA including existing 200 KVA and will be met from West Bengal State electricity distribution corporation limited (WBSEDCL). Existing unit has DG sets of 160 KVA capacity, and another two DG Set of 160 KVA will be installed for 1st Phase & 2nd Phase expansion respectively. Stack (height)

will be provided as per CPCB norms to the proposed DG sets.

14. Details of fuel: Existing and Proposed

S.No	Particulars	Fuel	Fuel consumption	Mode of Transportation	Distance from Site	
Existing						
1	Thermic fluid heater (6lac kcal/hr) 2 No.	LPG	45 Kg/hr	Truck	Within 10 Km	
2	DG set (160 kVA)	Diesel	18 lt/hr	By Truck	Within 10 Km	
Proposed expansion						
1	Thermic fluid heater	(15lac kcal/hr) Ph-I	LPG	60 Kg/hr	Truck	Within 10 Km
		(10lac kcal/hr) Ph-II	LPG	55 Kg/hr	Truck	Within 10 Km
2	DG set (160 kVA)	160 kVA (Phase-I)	Diesel	18 lt/hr	By Truck	Within 10 Km
		160 kVA (Phase-II)	Diesel	18 lt/hr	By Truck	Within 10 Km

15. Details of Process Emissions Generation and its Management:

Sr. No	Stack attached to	Fuel Type	Stack height(m)	APC	Probable Pollutant
Existing					
1	Thermic Fluid Heater (2 Nos -6 lakh kCal/h)	LPG	30 m common	-	PM, SO2 & NOx
3	DG Set (1x 160 KVA)	HSD	7	-	PM, SO2 & NOx
Additional due to Proposed expansion					
1	Thermic Fluid Heater (1 No -15 lakhs Kl.cal/h & 1 No 10 Lakhs kl.cal/h)	LPG	Common stack, 30	-	PM, SO2 & NOx
3	DG Set (2 x160 KVA)	HSD	7 m each	-	PM, SO2 & NOx

16. Details of Solid Waste / Hazardous Waste Generation and its Management:

Solid waste (Non-hazardous)					
Description (Name of waste)	Quantity of Existing solid waste Ton	Proposed quantity		Quantity After expansion (Ton/Annum)	Mode of disposal
		Ph-I	Ph-II		
Damage carton/bag/plastic	250	200	200	650	By truck to authorized recycler
STP Sludge	-	17		17	Used as manure for greenbelt development

E-waste details

Sr. No.	Particulars	E-Waste Category	Proposed (Kg/A)	Method of Disposal
1.	Personal Computers (Central Processing Unit with input and output devices)	ITEW2	5	Sale to WBPCB authorized recycler / return to manufacturer/supplier
1.	Personal Computing: Laptop Computers (Central Processing Unit with input and output devices)	ITEW3	5	
1.	Printers including cartridges	ITEW6	5	

Hazardous solid waste

Description	Category of hazardous waste as per the sch I, II, III	Quantity of Existing hazardous waste (TPA)	Proposed (TPA)		Quantity After expansion (Ton/Annum)	Mode of disposal
			Ph-I	Ph-II		
MEE Salt	35.3	-	70	80	150	Collection, Storage, transportation, disposal

						by CHWTSDF
Chemical sludge from ETP	35.3	20	35	35	90	Disposal to CHWTSDF
Spent solvent	21.2	10	11	10	31	Disposal to CHWTSDF
Contaminated aromatic, aliphatic or naphthenic solvents may or may not be fit for reuse	20.1	5	6	5	16	Disposal to CHWTSDF
Contaminated aromatic, aliphatic or naphthenic solvents may or may not be fit for reuse	21.1	1500	4000	2000	7500*	Disposal to CHWTSDF
Discarded Plastic Bags /Barrels	33.1	40	47	40	127	Recycling through authorized recyclers or Disposal to CHWTSDF

17. It is decided by the company that finish products damage during transportation and unloading at the depot will be returned back to the factory for reprocessing. It is observed that only 25 to 30 % material would be recovered as good material and balance material would go to Ram key & co processors as waste. It is included here.

18. The Budget earmarked towards the Environment Management Plan (EMP) is 1.26 Crores (capital) and the Recurring Cost (operation and maintenance) will be about 24 lac/per annum. Industry proposes to allocate Rs. 16 lacs towards Corporate Social Responsibility.

19. Industry has already developed greenbelt in an area of 35.43 % i.e., 12488 m² out of total area of the project. Strengthening of greenbelt by planting additional 1500 nos of tree over an area of 6000 sq.m (gap filing to achieve density of 2500 trees/ha) inside the premises within one year will be done. The budget earmarked for the plantation is Rs 7.5 lakhs (Capital) & 1.5 lakhs/year (recurring cost)

20. The PP reported that the Public Hearing for the proposed expansion project has been conducted by the West Bengal State Pollution Control Board on 26.09.2023 at 12.00 Hrs at Ashirbad Banquet (Beside Ideal Public School), Shirampur, Tulsberia Road, Kulgachia, PS-Rajapur, District -Howrah, West Bengal, which was presided by Additional District Magistrate. The main issues raised during the public hearing are related to employment , environmental pollution.

S. No.	Issue raised	Response/commitment from Project Proponent	Budget Allocated and Timeline	Action Plan in Brief
	Mr. Achintya Dolui of Tulsiberia enquired about the scope of employment generation in the proposed expansion project and the application procedure.	The project proponent stated that there was scope for employment of about 90 people in the upcoming project, of which a large number would be employed locally. It was further mentioned that the job notices and the proforma for application shall be displayed at the existing unit as well as at the local gram panchayat offices for information dissemination to the public.	-----	As per West Bengal employment norms, manpower will be hired from nearby village. local peoples will be given preference for jobs in the industry
	Mr. Surajit Roy of Tulsiberia enquired about the scope of skilled employment generation in the proposed expansion project.	Project proponent stated that both skilled and unskilled workers will be required for the upcoming project.	---	Unskilled labor will be recruited from local area while skilled labor will be recruited from outside if not available at local level
	Mrs Baby Singha of Khanpur enquired about the scope of employment for women in the proposed expansion project	Project proponent stated that there is scope for employment of women workers in the upcoming project, especially in the packing section	-	As per West Bengal employment norms, manpower will be hired from nearby village. local peoples will be given preference for jobs in the industry

	Mr. Rabin Pal of Mahishrekha enquired about the scope of local employment	Project Proponent reiterated that local employment will be prioritized, especially for unskilled workers, as it had been observed that it was more convenient for local people to work closer to their homes during the pandemic period.		
5	Shri. Najir Ali of Tulsiberia enquired whether the proposed expansion project will cause environmental pollution	Project Proponent stated that the we shall take necessary measures for prevention of environmental pollution. He emphasized that the existing ETP will be enhanced in capacity and an additional STP shall be installed. Treated water shall be used for greenbelt development. LPG shall be used as fuel for Thermic Fluid Heaters.	Budget for controlling Air Pollution (under EMP): 40 lakhs Timeline: Before commissioning of the unit Budget for controlling Water Pollution (under EMP): 50 lakhs Timeline: Before commissioning of the unit Budget for greenbelt development within industry (Under EMP): 5.0 lakhs Timeline: Before commissioning of the unit or within 1 year	To reduce and control the air emission, Company proposed to provide combined stack for two proposed TFH LPG is used as a fuel in thermic fluid heaters & same will used in Proposed thermic fluid heater. Proposed thermic fluid heater will be attached with single Existing Stack. All reactor vents will be equipped with the condensers to trap emissions To achieve avoid/eliminate chances of soil and water pollution company will establish ZLD system. DMP will be approved and implemented whenever necessary
6.	Mr. Achintya Dolui of Tulsiberia enquired further whether there will be noise pollution from the proposed expansion project.	PP stated that the noise level of the operations at the existing unit were within acceptable limits, and that the project proponent shall take necessary measures to prevent noise pollution both during construction and operation phases of the upcoming project.	Budget for controlling Noise Pollution (under EMP): 7.0 lakhs Timeline: Before commissioning of the unit	Proper maintenance of the machine/equipment for construction/ Installation will be carried out and the machines will be equipped with vibration isolators Sufficient oiling and lubrication will be done to all the parts of the machineries to ensure that minimal noise is generated.
7	Mr. Manju Shi of Kamina Social Welfare Society, a local NGO	Thanked the project proponent for their CSR activities undertaken in the past and suggested that further activities in health sector be taken up in the future		CSR activities will be done as per company Govt norms

8	Mr. Tarun Pal of Mahishrekha	Thanked the project Proponent for local employment generation and welcomed further employment in the proposed expansion project	As per West Bengal employment norms, manpower will be hired from nearby village. local peoples will be given preference for jobs in the industry
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21. The PP proposed to set up an Environment Management Cell (EMC) by engaging Managing Director- GM-EHS- Environmental Engineer- Safety officer- HR admin officer for the functioning of EMC.

22. The PP reported that reported that for various conditions the Carbon sequestration are as:

Sources of CO2	Quantity (Tons/ Annum)
CO2 Emission from Fuel	51.4132
CO2 Emission from process	9315.698
CO2 Emission from transportation	298.6875
CO2 Emissions from electricity	310.4
Total Emissions	9976.199
CO2 sequestration	
Greenbelt	1162.5
CO2 generation avoided,	1993
Net contribution	3155.5
Reduction %	31.63%

23. The PP submitted the Disaster Management Plan and On-site and Off-site Emergency Plans in the EIA report.

24. The estimated project cost is Rs. 15.64 Crores including existing investment of Rs. 4.5 crores. Total Employment after expansion will be 300 persons as direct & indirect after expansion

25. Deliberations by the EAC:

During deliberations, EAC discussed the following issues:

PP submitted the Month wise action plan for additional greenbelt of 1500 trees (gap filing) to achieve density of 2500 trees/ha along with budget earmark.

Sr. No	Ref. No in greenbelt layout diagram	Area (m2)	Nos of tree to be planted	Capital cost (Lakhs)	Recurring cost (Lakhs/year)	Time line
1.	A	1450	363	7.5	1.5	July 2024
2.	B	645	161			
3.	C	750.48	188			August 2024
4.	D	810.52	202			
5.	E	704	176			
6.	F	1640	410			
Total		6000	1500	7.5	1.5	

Capital and recurring expenses for greenbelt development

Sr. No.	Activity or work	July 2024 to September 2024	Budget (Lakhs)		
			Capital cost	Recurring cost/year (considering 20% mortality rate)	
1	Plantation within the Project Site will be carried in 1 years (July 2024 to September 2024). Totally 1500 saplings will be planted (Approx. Cost @ Rs. 500 per plant including labour cost)				
		1500	7.5	1.5	

- PP submitted the Revised layout plan with the requisite green belt. PP informed that 1600 tree already exists and additional 1500 trees will be planted within 6 months time to achieve 33% greenbelt.
- PP submitted the Quantified and specific details w.r.t. hazardous waste, and solid waste management. Solid waste has to be segregated into wet and dry waste. Wet waste shall be treated in situ and compost shall be used as manure.

Generated municipal solid waste will be segregated at source into dry waste & wet waste and then it will be disposed as per the municipal solid waste rules. Revised details of non-hazardous waste.

Solid waste (Non-hazardous)

Description (Name of waste)	Quantity of Existing solid waste (Ton)	Proposed quantity		Quantity expansion (Ton/Annum)	After	Mode of disposal
		Ph- I	Ph- II			
Damage carton/bag/plastic	250	200	200	650		By truck to authorized recycler
STP Sludge	-	109		109		Collection, Storage & use as manure in gardening
Solid Waste	6.19	4.7		10.89		Collection, Storage, Segregation of waste into dry waste & wet waste, Transportation and disposal as per Solid Waste Management Rules.

E-waste details

Sr. No.	Particulars	E-Waste Category	Proposed (Kg/A)	Method of Disposal
1.	Personal Computers (Central Processing Unit with input and Output devices)	ITEW2	5	Sale to WBPCB authorized recycler / return to manufacturer/supplier
2.	Personal Computing: Laptop Computers (Central	ITEW3	5	

Hazardous Waste Generation and Disposal

Hazardous solidwaste							
Description	Category of hazardous waste as per the sch I, II, III	Quantity of Existing hazardous waste (TPA)	Proposed (TPA)		Quantity expansion (Ton/Annum)	After	Mode of disposal
			Ph-I	Ph-II			
MEE Salt	35.3	-	70	80	150		Collection, Storage, transportat ion, disposal by CHWTSDF
Chemical sludge from ETP	35.3	20	35	35	90		Disposal to CHWTSDF
Spent solvent	21.2	10	11	10	31		Disposal to CHWTSDF
Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse	20.1	5	6	5	16		Disposal to CHWTSDF
Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit	21.1	1500	4000	2000	7500*		Disposal to CHWTSDF

for reuse						
Discarded Plastic Bags /Barrels	33.1	40	47	40	127	Recycling through authorized

*It is decided by the company that finish products damage during transportation and unloading at the depot will be returned back to the factory for reprocessing. It is observed that only 25 to 30 % material would be recovered as good material and balance material would go to Ram key & co processors as waste. It is included here.

PP submitted the Revised EMP cost (capital and Recurring)

Sr. No	Component	Description	Existing		Proposed		After expansion	
			Capital cost (Lakh)	Recurring cost (Lakh /yr.)	Capital cost (Lakh)	Recurring cost (Lakh /yr.)	Capital cost (Lakh)	Recurring cost (Lakh /yr.)
1	Air Pollution Control	Installation and maintenance of, stacks for Thermic Fluid Heater, D.G. sets. Installation and maintenance of online emission monitoring system.	22	1.3	40	3	62	4.3
2	Water Pollution Control	Full-fledged ETP with primary, secondary and tertiary treatment followed by R.O treatment, Installation of STP	15	5	75	15	90	20
3	Noise Pollution Control	Acoustic enclosures to DG Sets and control measures for noise generating equipment's	4	1.0	5.0	1.5	9	2.5
4	Occupational Health and Safety	PPEs to employees and health check-ups of employees	-	5.0	-	5.0	-	10.0
5	Green Belt development	Greenbelt development for 1500 trees at the rate of Rs. 500 per sapling for capital and maintenance.	7.0	1.0	7.5	1.0	14.5	2.0
6	Environmental monitoring	Monitoring of workplace for air monitoring, ambient air, noise, stack ETP inlet and outlet.	-	3	-	3	-	6
7	Solid waste management	Providing separate storage area for storage area for storage of solid waste/Hazardous waste. Purchase of solid waste storage bags, containers and its disposal	2.0	64	2.5	125	4.5	189
8	Cost for CER activates	Tree plantation, Rainwater harvesting and LED, Solar Lighting	-	-	16	-	16	-
Total			50	80.3	146	153.5	196	233.8

- PP submitted the Revised water balance diagram for monsoon and non-monsoon season and treatment scheme (During Non- Monsoon Period -Total water consumption after expansion in our premises will be 107 KLD. And recycle quantity will be 20 KLD. Hence, fresh water will be only 87 KLD and During Monsoon Period- Total water

consumption after expansion in our premises will be 107 KLD. and recycle quantity will be 20 KLD. Additionally, 15 KLD rain water will be used in process. Hence, fresh water will be only 72 KLD.)

- PP submitted the Revised noise pollution control measures (Approx 0.25 MW rooftop solar plant will be installed within the premises)
- PP submitted the Installation of solar power.
- PP submitted the Details of carbon foot print and carbon sequestration study w.r.t. existing and proposed expansion project.

CO2 Emission from Project Process

CO2 Emission from Fuel									
SN	Fuel	Consumption L/Day		Emission Factor	CO2 emission (TPA)		Total		
		Existing	proposed		Existing	After Expansion			
1	Diesel	18	36	2.65	14.31	28.62	42.93		
2	LPG	45	115	53.02	2.3859	6.0973	8.4832		
CO2 Emission from process									
		TPA		Emission Factor	CO2 emission (TPA)		Total		
		Existing	After Expansion		Existing	After Expansion			
3	Resin	5520	11983	0.0899	496.248	1077.27	1573.51		
4	Paint	47520	38600	0.0899	4272.048	3470.14	7742.188		
CO2 Emission from transportation									
SN	Phase	Material Transport by Trucks	No of 10t Truck / Day	Running km / day (to & fro)	Total km Run per day	Total km Run per year	CO2 Emission Factor kg/km by Heavy Duty Vehicles (HDV)\$	CO2 Emission (kg CO2/year)	t-CO2 / yr
5	Existing	495	15	50	750	225000	0.7375	165937.5	165.9375
6	After Expansion	355	12	50	600	180000	0.7375	132750	132.750
CO2 Emissions from electricity									
SN		Consumption		Emission Factor	CO2 emission (TPA)		Total		
		Existing (KVA)	After Expansion (KVA)		Existing	After Expansion			
7	Electricity	200	200	0.97	155.2	155.2	310.4		
\$ India GHG Programm (2015). India Specific Road Transport Emission Factors. Version 1. India GHG Program.									

The total estimated CO2 emission from the project is about 9976.199 t/annum.

Action Plan for Green Belt / Green Cover Development and CO2 Sequestration

Year of Plantation	Location	No. of Tree Saplings Planted	CO2 Sequestration (t-CO2)
Existing & Proposed Green Belt	Project Premises	3100	1162.5
Total			

To achieve 35% CO2 emission cut Almega paints Pvt Ltd is working continuously. In current green belt 1162.5 t-CO2 is allocated. However, 1500 tree species in next 1 years will be planted by industry which will be strengthen existing green belt and contribute in carbon neutralisation. Industry will install Roof top solar panels of 0.25 MW in industrial premises. Street light and work zone lights will be replaced by solar lights. Previously, Industry has reduced their CO2 emission to change Fuel by LPG.

Installation of Roof top solar

S.N.	Details	Specific CO2 T of CO2/ Tonne of production & T of CO2 /MWhr	CO2 generation avoided, TPA
1	Roof top solar 0.25 MW	0.91	1993

Sources of CO2	Quantity (Tons/ Annum)
CO2 Emission from Fuel	51.4132
CO2 Emission from process	9315.698
CO2 Emission from transportation	298.6875
CO2 Emissions from electricity	310.4
Total Emissions	9976.199
CO2 sequestration	
Greenbelt & Afforestation	1162.5
CO2 generation avoided,	1993
Net contribution	3155.5
Reduction %	31.63%

The committee was satisfied with the response provided by PP on above information.

The EAC deliberated the Onsite and Offsite Emergency plans and also the various mitigation measures proposed during the implementation of the project and advised the PP to implement the provisions of the Rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, as amended from time to time.

The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for the grant of environmental clearance.

The EAC is of the view that its recommendation and grant of environmental clearance by the regulatory authority to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The PP shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

26. Based on the proposal submitted by the PP and recommendations of the EAC (Industry-3 Sector), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance for ***“Expansion of Resins (Solid) manufacturing from 5,520 TPA to 17503 TPA; Paint (Solvent and Water Based) from 47520 TPA to 87120 TPA in two Phases located at J.L. No. 01, Village Tulsiberia, R.S. Dag No. 2188 to 2194, 2196, 2297 to 2299, District Howrah, West Bengal by M/s Almega Paints Pvt. Limited.”*** under the provisions of the EIA Notification 2006 and its subsequent amendments therein, subject to compliance of the Specific and General terms and conditions as mentioned at **Annexure-1**. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

27. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.

28. 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.

29. The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing 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.

30. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during perational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate

account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

31. 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.

32. 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.

33. 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.

34. The above conditions will 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

This issues with the approval of the Competent Authority.

Copy To

1. Additional Chief Secretary, Forest, Aranya Bhawan, Block LA-10A, Sector-III, Salt Lake, Kolkata -700106.
2. Principal Secretary, Environment, PraniSampad Bhavan, 5th Floor, LB-2, Sector-III, Salt Lake, Kolkata-700098.
3. Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandrasekharpur, Bhubaneswar – 751023
4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 32
5. The Member Secretary, West Bengal Pollution Control Board, Paribesh Bhavan, 10A, LA Block, Sector III, Bidhannagar, Kolkata, West Bengal 700106
6. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
7. The District Collector, District East Medinipur, West Bengal
8. Guard File/Monitoring File/Website/Record File/Parivesh portal.

Annexure 1

Standard EC Conditions for (Synthetic organic chemicals industry)

1.

S. No	EC Conditions
1.1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
1.2	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.
1.3	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.

S. No	EC Conditions
1.4	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
1.5	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
1.6	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
1.7	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
1.8	The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
1.9	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.
1.10	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
1.11	The project authorities 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 and the date of start of the project.
1.12	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

2. Specific Conditions

S. No	EC Conditions
2.1	<p>(i) The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.</p> <p>(ii) NOC from the Central Ground Water Authority shall be obtained before start of the construction of plant and drawing water from ground water source. State Pollution Control Board 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.</p> <p>(iii) Approx 0.25 MW rooftop solar plant shall be installed within the premises</p> <p>(iv) Adequate stack height shall be provided to LPG fired Fluid Heater as per norms of CPCB/SPCB. Stack height of 7 m above rooftop and acoustic enclosure as per CPCB norms shall be provided with DG set. Position the DG set so that impact on receptor is minimal.</p> <p>(v) Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB.</p> <p>(vi) Total fresh water requirement from ground water source shall not exceed 87 m³/day.</p> <p>(vii) Industrial Effluent after expansion shall not exceed 22 KLD and shall be treated in ETP followed by RO & MEE. The RO permeate (20.5 KLD) shall be recycled and the reject (0.5 KLD) shall be sent to MEE further, MEE salt shall be sent TSDF for disposal. ZLD system shall be maintained. 8 KLD Domestic wastewater shall be treated in the STP and treated wastewater shall be recycled/reused for horticulture purpose.</p> <p>(viii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.</p> <p>(ix) The green belt of at least 5 m-10m width shall be developed 33% with tree density @ 2500 trees per hectares, mainly along the plant periphery. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Additional 1500 number of Saplings 6 feet high shall be planted within 6 months from date of issue of EC. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. PP shall develop thick greenbelt around ball mill as well as other noise pollution source to reduce noise pollution. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP shall annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.</p> <p>(x) A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions by engaging Managing Director- GM-EHS- Environmental Engineer-Safety officer- HR admin officer. In addition to this, one safety & health officer as per the qualification given in Factories Act, 1948 shall be engaged within a month of grant of EC. The PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.</p> <p>(xi) The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed under EMP Rs. 146 lakhs (Capital cost) and 153.5 Lakhs per Annum (Recurring cost)] shall be kept in a separate account and should be audited annually. The PP should submit the annual audited statement along with proof of</p>

S. No	EC Conditions
	<p>implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.</p> <p>(xii) All the hazardous waste shall be managed and disposed as per the HWM Rules 2016. Hazardous waste such as Distillation Residue and Off Specification Products shall be either sent to common incineration site or send for coprocessing. Solid waste shall be segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016. Wet waste shall be converted into compost and used as manure for greenbelt development.</p> <p>(xiii) The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.</p> <p>(xiv) The project proponent shall comply with the environment norms for 'synthetic organic chemicals' as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608 (E), dated 21st July, 2010 under the provisions of the Environment (Protection) Rules, 1986.</p> <p>(xv) All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996. The occupier of new as well as expansion projects shall be required to comply with the provisions of the MSHIC Rules, 1989 including notifying their activities or seeking site approval from the concerned authorities, to address operational safety aspects. In doing so, various schedule, particularly Schedule-5 of the said rules may be referred.</p> <p>(xvi) The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.</p> <p>(xvii) The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.</p> <p>(xviii) The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.</p> <p>(xix) Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.</p> <p>(xx) The unit shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.</p> <p>(xxi) The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.</p> <p>(xxii) The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.</p> <p>(xxiii) There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places.</p> <p>(xxiv) Storage of raw materials shall be either in silos or in covered areas to prevent dust</p>

S. No	EC Conditions
	<p>pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Chemicals shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.</p> <p>(xxv) PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority</p> <p>(xxvi) The activities and the action plan proposed by the project proponent to address the issues raised during the public hearing as well as the related socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.</p>

Additional EC Conditions

N/A

Annexure 2

Details of the Project

S. No.	Particulars	Details	
a.	Details of the Project	Expansion of Resins (Solid) manufacturing from 5,520 TPA to 17503 TPA & Paint (Solvent & Water Based) Production from 47520 TPA to 87120 TPA, by M/s Almega Paints Pvt. Limited	
b.	Latitude and Longitude of the project site	22.51719091652646,88.02284652724524	
c.	Land Requirement (in Ha) of the project or activity	Nature of Land involved	Area in Ha
		Non-Forest Land (A)	3.5248
		Forest Land (B)	0
		Total Land (A+B)	3.5248
d.	Date of Public Consultation	Public consultation for the project was held on 2023-09-26	
e.	Rehabilitation and Resettlement (R&R) involvement	NO	

S. No.	Particulars	Details
f.	Project Cost (in lacs)	1564
g.	EMP Cost (in lacs)	110
h.	Employment Details	300

