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File No: IA-J-11011/444/2022-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division
***

Date **28/12/2023**

To,

Mr. Rishad Bhumgara
ESKAY DYESTUFFS AND ORGANIC CHEMICALS PVT LTD
22-D, S.A. Brelvi Road, Horniman Circle, Fort, Mumbai , MUMBAI, MAHARASHTRA, , 400001
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Subject: 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/MH/IND3/437648/2023 dated 09/01/2023 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A2412MH5553376N
(ii) File No.	IA-J-11011/444/2022-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	Proposed expansion project for manufacturing of Optical brightening agents/Fluorescent brightening agents classified as textile auxiliaries at Plot No.: H-25, MIDC Taloja, Tal. Panvel, Dist. Raigad, Maharashtra by Eskay Dyestuffs & Organic Chemicals Pvt. Ltd.
(viii) Name of Company/Organization	ESKAY DYESTUFFS AND ORGANIC CHEMICALS PVT LTD
(ix) Location of Project (District, State)	RAIGAD, MAHARASHTRA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for expansion project for manufacturing unit of Optical brightening agents/Fluorescent brightening agents classified as textile auxiliaries with total production capacity from 520 TPM to 780 TPM located at Plot No: H-25, MIDC Taloja, Tal. Panvel, Dist. Raigad, Maharashtra by Eskay Dyestuffs & Organic Chemicals Pvt. Ltd.

4. The project/activity is covered under Category 'B' of item 5(f), Synthetic organic chemicals industry of Schedule of Environment Impact Assessment (EIA) Notification, 2006 (as amended) but due to applicability of general condition i.e. project site is located in a critically polluted area, the proposal is treated as Category A and the proposal requires appraisal at central level by the sectoral EAC in the MOEF&CC.

5. The ToR was issued by the Ministry, vide letter no. IA-J-11011/444/2022-IA-II(I); dated 20th December 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 case. The proposal is placed in this 69th EAC meeting on 16th November 2023, wherein the PP along with accredited Consultant, M/s. Goldfinch Engineering Systems Private Limited, (NABET Accreditation No.: NABET/EIA/2023/SA0161 valid till 28th November 2023] 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 existing land area is 4500 m2, additional land will not be used for proposed expansion, no R& R is involved in the Project. The details of products to be manufactured are as follows:

Sr. No.	Product Details (complete name)	CAS NO.	Existing Quantity (TPM)	Additional Proposed Quantity (TPM)	Total Quantity (TPM)	Uses
1	Optical Brightening agents/Fluorescent Brightening agents (As 100% active substance)	16470-24-9 52301-70-9 4193-55-9	520	260	780	These products are used in the textile & paper industries as whitening agents.
	Total		**520**	**260**	**780**	

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 the E(P) Act/Air Act/Water Act

8. The PP reported that Unit was established before EIA notification 2006. EC was not applicable to the existing unit. The unit is operational based on the CTO and Current CTO No. Format 1.0/BO/AST/UAN No. 0000063080/CC-1902000534, issued on 12/02/2019 valid up to 31/12/2023 For Manufacturing capacity of 20 MT/D i.e. 520 TPM

9. The PP reported that Certified EC Compliance Report of existing CTO was issued by MPCB vide file no. Certified CTO No. MPCB/SROTaloja/TB/1308 dated 12.07.2023 in which PP has majorly complied with the conditions stipulated in the consent.

10. The PP reported that there are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wild Life Corridors etc. within 10 km distance from the project site. Kasardi River is flowing at a distance of 0.15 km in direction There is no forest land involved in the proposed project. No Schedule-I species were observed in the 10 km radius from the proposed project.

11. The PP reported that the **Ambient air quality** monitoring was carried out at 8 locations during October 2022 to December 2022 and the baseline data indicates the ranges of concentrations as: PM10 (41.4 - 95.4 µg/m3), PM2.5 (19.3 - 55.1 µg/m3), SO2 (14.5 - 57.2 µg/m3) and NOx (21.3 - 72.0 µg/m3). AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.59 µg/m3 with respect to NOx. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS). **Noise**- The Leq during the daytime varied from 55.4 dB (A) to 66.2 dB (A). The Leq during the night time varied from 46.3 dB (A) to 56.8 dB (A). The results of the noise monitoring reflect that the Leq during the daytime and the night time was found to be within the

stipulated limits of CPCB for the industrial area. **Surface water**: pH (7.88-8.41), DO (4.2-5.6 mg/lit), TDS (110-1420 mg/lit), chlorides (5-760 mg/lit), sulphates (<10-110.6 mg/lit), nitrates (< 0.1-0.842 mg/lit) & BOD (4-17 mg/lit) **Ground water**: pH (7.6-8.48), TDS (240-1140 mg/lit), chlorides (9-860 mg/lit), sulphates (44-135.1 mg/lit), nitrates (0.246-0.863 mg/lit) **Soil**: pH (6.94-8.03), total nitrogen (326.35-412.72 mg/kg), available phosphorus (123.61-192.14 mg/kg), available potash (150.9-2159.5 mg/kg) & total organic carbon (0.69%-1.11%).

12. The PP has submitted revised water balance and reported that the total water requirement will be increased from 224 to 437 m3/day after expansion. Out which fresh water requirement of 215 m3/day will be met from MIDC Taloja water supply and remaining water requirement of 222 m3/day will be met from recycled water. Effluent from process plant (313 CMD) & vessel-reactor washing, floor washing (2 CMD) & utility blow downs (23 CMD) totaling to (338 CMD) will be fed to Nano filtration after pH adjustment. The retentate of Nano filtration (7 CMD) will be recycled in process and permeate (331 CMD) will be passed through the RO, 50% permeate i.e. 166 CMD will be the RO permeate. 65% RO permeate (108 CMD) will be sent to CETP as per existing consent and remaining 35% i.e 58 CMD will be fed to polish RO for further treatment. RO reject (165 CMD) along with the reject of polish RO (11 CMD), totaling to (176 CMD) will be fed to WHE. The condensate from WHE (159 CMD) along with the RO permeate (58 CMD), totaling to (217 CMD) will be fed to polish RO. Reject of polish RO (11 CMD) fed to WHE and permeate of polish RO (206 CMD) will be reused in process. The concentrated ML from WHE will be fed to spray dryer and salts from spray dryer will be reused in dilution of crude product. Domestic effluent of 9 CMD will be treated in STP with SBR technology. Treated domestic wastewater will be used for gardening, floor washing, flushing etc

13. Power requirement after expansion will be 1683 kW including existing 1033 kW and additional 650 kW will be met from Maharashtra State Electricity Distribution Company Limited (MSEDCL). Existing unit does not have DG set. There will be one proposed DG set of 250 KVA capacity. Stack (3.5 m) will be provided as per CPCB norms to the proposed DG sets.

14. Existing unit has PNG fired Thermopack of 15 LacKcal/hr. Additionally, unit will install one PNG fired Thermopack of 10 LacKcal/hr. & one PNG fired Boiler of 3 TPH. Common stack of height of 30 m is already in provided for controlling the particulate emissions within the statutory limit of 115 mg/Nm3 for the proposed boilers.

15. Details of Process Emissions Generation and its Management: There are no emissions envisaged from the process

16. Details of Solid waste/ Hazardous waste generation and its management: Hazardous Waste and Other Waste Generation

Sr. No.	Type of Waste	Category No.	Unit	Existing Quantity	Additional Proposed Quantity	Total Quantity	From	Disposal
1.	Process waste/residue (Hyflow, sweeping material)	26.1	TPA	9.36	5.64	15	Process	Will be Sent to the CHWTSDF
2.	ETP Sludge	35.3	TPA	62.4	-26.4*	36	ETP	Will be Sent to the CHWTSDF
3.	Discarded barrels/containers/liners contaminated with hazardous chemicals /wastes	33.1	TPA	20	30	50	Process	Sale to authorized party/ CHWTSDF
4.	Pallets	--	TPA	0	25	25	Process	Sale to authorized party/ CHWTSDF

Note: ** The actual generation of ETP sludge is lesser than the consented quantity. After expansion also the total generation of ETP sludge will remains within consented quantity.*

Other waste

Sr.	Description	Cat.	Unit	Existing	Additional	Total	Disposal method

No.		No.		Quantity	Proposed Quantity	Quantity	
1	E-Waste	*NS	TPA	0.0	0.1	0.1	Sale to authorized dismantlers/ Recyclers
2	Battery waste	*NS	TPA	0.0	0.05	0.05	Returned to battery manufacturer through authorized dealer on buy back procurement

Non- Hazardous Wastes

Sr. No.	Description	Unit	Existing Quantity	Additional Proposed Quantity	Total Quantity	Disposal method
1	Metal, Wood & paper scrap	TPA	0.0	25	25	By Sale
2	STP Sludge	TPA	0.0	0.8	0.8	Used as manure for gardening

17. The Budget earmarked towards the Environmental Management Plan (EMP) is 540.2 Lakhs (capital) and the Recurring Cost (operation and maintenance) will be about 48.64 lakhs per annum. Industry proposes to allocate Rs.75 Lakhs towards Corporate Environment Responsibility.

18. Eskay is proposing to develop green belt outside the premises on Plot no. OS-52. Plot OS-52 with the permission of MIDC. The said land is within 1 km from the project site. Eskay should developed 1400 sq.m area as a green belt to meet the norm. However, Eskay will willingly develop total plot area i.e. 3100 sq. m. as green belt. Thus the total green belt will be provided to the tune of 3638.76 sq.m & total nos. of trees will be 1100 (Considering 80% survival rate). Drip irrigation system will be provided for greenbelt development for effective water conservation. Green belt will be developed within 1 year after obtaining EC. Additionally, PP has planted 1000 trees at Sundarban National Park, West Bengal and 2500 trees at Ramtek, Maharashtra.

19. The PP reported that the public hearing is exempted as per the Para 7.III. Stage (3) (i) (b) of the EIA Notification, 2006 as the project site is located within MIDC Taloja which is declared as notified industrial area vide notification number No. IDC 1065/13583 (I) IND dated 11.3.1966.

20. The PP proposed to set up an Environment Management Cell (EMC) by engaging MD- Director- factory manager- Environment officer- ETP supervisor- ETP/WHE- safety department- cleanliness and housekeeping of ETP and all plant for the functioning of EMC.

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

22. The estimated project cost is Rs. 78.07 crores including existing investment of Rs. 28.07 crores. Total Employment will be 150 persons after expansion. Industry proposes to allocate Rs. 75 Lacs as CER which is 1.5% of the additional capital investment i.e. Rs. 50 Crores.

23. Deliberations by the EAC

During deliberations, EAC discussed the following issues:

i. The PP has submitted revised water balance and reported that the total water requirement will be increased from 224 to 437 m3/day after expansion. Out which fresh water requirement of 215 m3/day will be met from MIDC Taloja water supply and remaining water requirement of 222 m3/day will be met from recycled water. Industrial effluent generation will be 338 m3/day. Domestic wastewater generation will be 9 m3/day and the same will be treated in STP with SBR technology. Treated wastewater will be reused for Gardening. Effluent from process plant (313 CMD) & vessel-reactor washing, floor washing (2 CMD) & utility blow downs (23 CMD) totalling to (338 CMD) will be fed to Nano filtration after pH adjustment. The reject of Nano filtration (7 CMD) will be recycled to the process and permeate (331 CMD) will be passed through the RO-1. RO-1 reject off 165 CMD will be fed to WHE (waste heat evaporator) and permeate off 166 CMD will be subjected to a 2nd pass of RO-1. During 2nd pass of RO-1, 35% i.e. the permeate (58 CMD) will be collected and along with condensate of WHE (159 CMD) totalling 217 CMD will be subjected to further treatment in RO-

The remaining 65% i.e. the reject (108 CMD) will be sent to CETP as per existing consent. This reject of 108 CMD (having TDS of around 1500 mg/lit.) contains some inorganics, (mainly sodium chloride and sodium sulphate) along with isomers of OBA & cannot be treated further or reused. The permeate of RO-2 (206 CMD) will be reused in process. The reject of RO-2 (11 CMD) will be mixed with the RO-1 reject (165 CMD) totalling 176 CMD, and this will be fed to WHE. The saturated solution from WHE will be mixed with our product and fed to the spray dryer. PP has submitted characterization report of the nano filtration and RO treatment.

ii. PP explained point wise compliance to the mitigation measures as Per Ministry's Office Memorandum 31st October, 2019 regarding Projects Located in Critically Polluted Area, which is as given below:

Sr. No.	Environmental Component	Mitigation Measures	Compliance
1	Air	i) Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.	• Existing there is 1 Thermopack of 15 LacKcal/hr. • 1 Thermopack of 10 LacKcal/hr. and 1 Boiler of 3 TPH is additional proposed. • Fuel for existing Thermopack is PNG only and for proposed Thermopack and Boiler fuel will be PNG only, which is cleaner than other fuels. • A common stack of 30 m will be provided for all Thermopacks and Boiler as air pollution control device. There will be only emission of NOx from the combustion of PNG from the existing and proposed Thermopac & proposed Boiler. For NOx standard is not given. Actual emission for NOx will be 0.157 gm/sec
		ii) CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.	Not applicable, as there are no process vents at site.
		iii) Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.	Company is following effective fugitive emission control measures such as: **For Process:** Use of closed loop systems practiced in the process for arresting fugitive emissions. However, other fugitive emissions due to leakages are controlled using air handling units (AHU). Charging of liquid & solid raw materials are done under vacuum. All pumps are provided with mechanical seals to avoid leakages. **Packing:** Packing are done at closed chamber. Air handling units will be provided. **To control the fugitive emissions from pipes following measures are being taken:** Replacement of old, outdated valves. Installation of right leak proofed valves. Valves and flanges preventive maintenance program are followed regularly. Regular monitor of system for leaks. **For Transportation:** Only vehicles having a valid PUC are permitted for transportation of raw material, finished goods etc. Idling of engines of vehicles are not allowed inside the project premises. Sweeping paved roads, covering open trucks are being done regularly to control dust.
		iv) Transportation of	The transportation of materials is presently being done by road in

		materials by rail/conveyor belt, wherever feasible.	tarpaulin covered trucks & same will be followed after expansion.
		v) Encourage use of cleaner fuels (pet coke/ furnace oil/ LSHS may be avoided).	For Existing and proposed Boilers fuel PNG is the fuel which contains less sulphur and is cleaner fuel than FO or Pet Coke.
		vi) Best Available Technology may be used. For example; usage of EAF/SAF/IF in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology.	We are using best available technology. • Achieved reduction in effluent by continuously reducing the input water consumption and recycling the water condensates. • Dedicated equipment for the product which enables us to reduce the intermittent washings of the equipment thereby reducing the effluent quantity. • Continuous preventive maintenance of the moving parts of the equipment as per the preplanned schedule keeps the noise generation under control. Besides we provide acoustic system to the noise making equipment to control the noise.
		vii) Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.	The unit is old (established in the year 2004) and constructed as per the norms of MIDC at that time. So, no land is available inside to develop the 40% of green belt as per the requirement. Eskay will develop 538.76 m2 greenbelt area (11.97% of total plot area) inside the premises & deficient 1400.00 m2 greenbelt area (31.11% of total plot area) will be developed outside the premises on Plot no. OS-52, MIDC Taloja, Raigad at distance 350 m from project site. Total greenbelt area will be 1938.76 m2 (43.08% of total plot area) PP will additionally develop greenbelt area i.e. 1700 m2 as part of avenue plantation & social forestry on OS-52 only as a compliance point for the projects located in SPA. **The green belt development is already in process and will be completed within 1 year after grant of EC.**
		viii) Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	Eskay has already developed avenue plantation on MIDC land adjoining to the compound wall admeasuring 658.00 Sq. m. area.
		ix) Assessment of carrying capacity of transportation load on roads inside the industrial premises. If the roads required to be widened, shall be prescribed as a condition.	Proper Road Network is available inside the Industrial Premises. 6 m wide roads with 9m turning radius is already provided. So there will be no requirement of widening of the road inside the premises.
2	Water	i) Reuse/recycle of treated wastewater, wherever feasible.	1. Effluent from process plant (313 CMD) & vessel-reactor washing, floor washing (2 CMD) & utility blow downs (23 CMD) totalling to (338 CMD) will be fed to Nano filtration after pH adjustment. 2. The reject of Nano filtration (7 CMD) will be recycled to the process and permeate (331 CMD) will be passed through the RO-1. RO-1 reject off 165 CMD will be fed to WHE (waste heat evaporator) and permeate off 166 CMD will be subjected to a 2nd pass of RO-1. 3. During 2nd pass of RO-1, 35% i.e. the permeate (58 CMD) will

			be collected and along with condensate of WHE (159 CMD) totalling 217 CMD will be subjected to further treatment in RO-2. The remaining 65% i.e. the reject (108 CMD) will be sent to CETP as per existing consent. This reject of 108 CMD (having TDS of around 1500 mg/lit.) contains some inorganics, (mainly sodium chloride and sodium sulphate) along with isomers of OBA & cannot be treated further or reused. 4. The permeate of RO-2 (206 CMD) will be reused in process. 5. The reject of RO-2 (11 CMD) will be mixed with the RO-1 reject (165 CMD) totalling 176 CMD, and this will be fed to WHE. 6. The saturated solution from WHE will be mixed with our product and fed to the spray dryer.
		ii) Continuous monitoring of effluent quality/quantity in large and medium Red Category Industries (water polluting).	The existing effluent quality / quantity are being monitored online for parameters like flow, pH, flow, COD, TSS as per the applicable requirements and will be continued after proposed expansion.
		iii) A detailed water harvesting plan may be submitted by the project proponent	A detailed rainwater harvesting plan has been prepared and will be implemented. The rainwater amounting to 384.43 m3 for the season from the available roof areas will be collected in proposed existing raw water tank of 200 m3 capacity. Harvested rain water will be stored in this tank and excess rain water will be led to natural drain. That much MIDC water will be less drawn during monsoon season. Detail calculation for same is attached as **Annexure I**.
		iv) Zero- liquid-discharge-wherever-techno economically feasible.	Recycled/reused in-house=213 CMD, Disposed to CETP=108 CMD. As the permission for the same is available.
		v) In case, domestic waste water generation is more than 10 KLD, the industry may install STP.	Domestic effluent of 9 CMD will be treated in STP with SBR technology. Treated wastewater will be reused for Gardening during non-monsoon season and for flushing during monsoon season.
3	Land	i) Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever, feasible for new projects.	The unit is old (established in the year 2004) and constructed as per the norms of MIDC at that time. So, no land is available inside to develop the 40% of green belt as per the requirement. Eskay will develop 538.76 m2 greenbelt area (11.97% of total plot area) inside the premises & deficient 1400.00 m2 greenbelt area (31.11% of total plot area) will be developed outside the premises on Plot no. OS-52, MIDC Taloja, Raigad at distance 350 m from project site. Total greenbelt area will be 1938.76 m2 (43.08% of total plot area) PP will additionally develop greenbelt area i.e. 1700 sq. m. as part of avenue plantation & social forestry on OS-52 only as a compliance point for the projects located in SPA. **The green belt development is already in process and will be completed within 1 year after grant of EC.**
		ii) Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	Eskay has already developed avenue plantation on MIDC land adjoining to the compound wall admeasuring 658.00 Sq. m. area.
		iii) Dumping of waste (fly ash, slag, red mud, etc.) may be permitted only at designated locations	There is no generation of fly ash, slag, red mud, etc. from the industry. Industry will not dump any other waste haphazardly and will send to designated locations approved by MPCB.

		approved by SPCBs/ PCCs.	
		iv) More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co-processing.	The hazardous waste like process waste (15 TPA), ETP sludge (36 TPA) disposed to the CHWTSDF. Discarded barrels/containers/liners contaminated with hazardous chemicals /wastes (50 TPA) disposed to authorized party/ CHWTSDF. Pallets (25 TPA) sold to authorized party/CHWTSDF. Other waste i.e. E-Waste (0.1 TPA) sold to authorized dismantlers/ Recyclers, Battery waste (0.05 TPA) Returned to battery manufacturer through authorized dealer on buy back procurement, Plastic waste of uncontaminated nature (0.5 TPA) segregated and recycled to authorized govt. body. Non-Hazardous waste i.e. Metal, Wood & paper scrap (25 TPA) sold and STP Sludge (0.8 TPA) will be used as manure for gardening.
4	Other Condition (Additional)	i) Monitoring of compliance of EC conditions may be submitted with third party audit every year.	This is our first EC, after getting EC compliance report of EC conditions will be submitted to MoEF & CC, CPCB and MPCB in every six months which will be audited by third party. Third party audit report for current activity is being done.
		ii) The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	CER budget has been prepared amounting to a tune of Rs. 75.00 Lacs i.e, 1.5% of the additional capital investment (Rs. 50 Cr.) in accordance with the provisions of the MoEF Office Memorandum no. F. No. 22-23/ 2018-IA.III (Pt) dated 31st October 2019.

iii. PP has submitted the revised capital cost and recurring cost for implementation of EMP

Sr. No.	Pollution Activity	Mitigation Measures/Details	Responsibility in Organization	Capital cost (In Rs. Lacs.)	Recurring cost (Rs. Lacs./yr)	Purchase/ Implementation Schedule
1	**Air pollution**	Low NOx burners will be installed for Existing thermopac of 15 LacKcal/hr. & for additional Thermopac of 10 LacKcal/hr. & for additional Boiler of 3 TPH.	EHS Team	18 lacs (Existing: 15.00 lacs + additional proposed 3 lacs)	2.8 lac (Existing: 2.5 lacs + additional proposed 0.3 lacs)	Existing stack is in place & for additional Boiler, Thermopac, Low NOx burners will be installed during commissioning
2	**Water Pollution**	Nano filtration, RO1, WHE, RO2 system already in place. Additional WHE will be installed. Sewage Treatment Plant with SBR technology	EHS Team	307 lacs (Existing: 185 lacs + additional proposed 122 lacs)	11.6 lacs (Existing: 3 lacs + additional proposed 8.6 lacs)	Existing effluent treatment system & Online monitoring system is in place & for additional WHE will be installed.
3	**Noise pollution**	Acoustic encl./ Anti vibration pads to proposed DG sets of 250 KVA	EHS Team	Included in equipment cost	0.05 lacs (Existing: 00 lacs + additional proposed 0.05 lacs)	For additional DG during commissioning
4	**Occupational health**	Medical checkup Health insurance policy	HR/Admin/ EHS Team	5.00 lacs (Existing: 4.0	0.35 lacs (Existing: 0.25 lacs +	Existing are in place and for

		Medical staff charges First aid facilities consumables		lacs + additional proposed 1.0 lacs)	additional proposed 0.1 lacs)	additional during operation phase
5	**Green belt**	Potholes digging, Saplings, labor cost, Fertilizers, Drip irrigation facility & maintenance for the existing and the additional proposed trees	HR/ EHS Team	14.6 lacs (Existing: 11.6 lacs + additional proposed 3.0 lacs)	10 lacs (Existing: 4.0 lacs + additional proposed 6.0 lacs)	During Commissioning
6	**Hazardous Waste**	Segregation & Storage of existing Waste, Disposal to CHWTSDF site and Construction of shed for storing additional proposed hazardous waste	EHS Team	10.00 lacs (Existing: 5.00 lacs + additional proposed 5.00 lacs)	12.50 lacs (Existing: 10.0 lacs + additional proposed 2.50 lacs)	Existing are in place and for additional during Operation
7	**Environmental monitoring and Management**	Existing ETP, online monitoring system, CCTV and web camera & maintenance of the system. Regular monitoring of Ambient Environmental Conditions & Pollution Control Equipment's.	EHS Team	25.00 lacs (Existing: 20.0 lacs + additional proposed 5.0 lacs)	4.0 lacs (Existing: 1.50 lacs + additional proposed 2.50 lacs)	Existing are in place and for additional during Operation phase
8	**Energy conservation measures**	Measures taken to reduce carbon footprint. Installation of new solar panels (70 kWp). Reduction of fuel consumption by using well efficient insulation to heating equipment	Project Team / EHS Team	40.00 lacs (Existing: 2.0 lacs + additional proposed 38.0 lacs)	2.14 lacs (Existing: 1.0 lacs + additional proposed 1.14 lacs)	Existing are in place and for additional during Operation phase
9	**Rain Water Harvesting**	Rain water harvesting & use of rain water in utilities & domestic purpose. Regular maintenance of equipment's to reduce wastage of water due to leaks.	Project Team / EHS Team	0.60 lacs (Existing: 0.50 lacs + additional proposed 0.10 lacs)	0.20 lacs (Existing: 0.10 lacs + additional proposed 0.10 lacs)	Existing are in place
10	**Implementation recommendation hazop/Risk Assessment**	• Dyke for accidental spill containment for ground storage tanks available at site for existing and for proposed will be installed. • Flame proof	Project Team / EHS Team	120.00 lacs (Existing: 110.00 lacs + additional proposed 10 lacs)	5.00 lacs (Existing: 2.0 lacs + additional proposed 3.0 lacs)	During Operation phase

		electrical in flammable solvent /gases handling area is already in place and additional will be provided as per requirement. • Existing Fire hydrant system is in place and additional will be provided as per requirement. 1. **acs** Personnel Protective Equipment (PPE)				
	SUB-Total			**Capital: 540.2 lacs** (Existing: 353.1 lacs + additional proposed 187.1 lacs)	**Recurring: 48.64 lacs** (Existing: 24.35 lacs + additional proposed 24.29 lacs)	
11	**Corporate Environmental Responsibility (CER)**	CER activities will be done in surrounding villages.	EHS Team	**75**	**0**	Before Commissioning
	Grand Total			**615.2 lacs**		

iv. The rain water harvesting estimation is presented in the table below:

Sr. No.	Source	Area (m2)	Runoff Coefficient	Rainfall (mm/month)	Rain water m3
1	Roof top of the building	180	0.9	2.373 m	384.43

v. PP also explained the risk mitigation measures in order to address the risk involved in proposed expansion. The Committee suggested to implement the proposed risk mitigation measures in the EIA report.

The committee was satisfied with the response provided by PP on above information. Further, Committee desired to submit the above information in writing. Accordingly, PP has submitted the desired information and EAC found the information/commitments satisfactory.

The EAC constituted under the provisions of the EIA Notification, 2006 comprising expert members /domain experts in various fields, examined the proposal submitted by the PP in desired format along with the EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the PP.

The EAC noted that the PP has given an undertaking to the effect that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the PP.

The EAC noted that the EIA reports are in compliance with the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The EAC deliberated on the proposed mitigation measures towards Air, Water, Noise and Soil pollutions. The EAC advised that the storage of

toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

The EAC deliberated on the Onsite and Offsite Emergency plans and various mitigation measures to be proposed during implementation also 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, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

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 expert members of the EAC found the proposal in order and recommended for 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.

24. Based on the proposal submitted by the project proponent and recommendations made by EAC in 69th EAC meeting, Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project " ***Proposed Expansion project for manufacturing of Optical brightening agents/Fluorescent brightening agents classified as textile auxiliaries with total production capacity from 520 TPM to 780 TPM located at Plot No: H-25, MIDC Taloja, Tal. Panvel, Dist. Raigad, Maharashtra by Eskay Dyestuffs & Organic Chemicals Pvt. Ltd"*** under the provisions of the EIA Notification, 2006, and the amendments therein, subject to specific terms and conditions as mentioned in Annexure -1 and Standard EC Conditions.

25. 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.

26. 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.

27. 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.

28. 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 operational 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.

29. 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.

30. 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.

31. 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.

This issues with the approval of the Competent Authority

Copy To

1. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001.
2. The Secretary, Environment and Climate Change Department, Govt. of Maharashtra, New Administrative Bhavan, 15th Floor, Madame Kama Road, Mantralaya, MUMBAI - 400032, Maharashtra, India.
3. The Office of the Principal Chief Conservator of Forests (Head of Forests Force) M.S. Nagpur, 3rd Floor Van Bhavan Ramgiri Road Civil Lines Nagpur 440 001.
4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032.
5. The Member, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi – 110011.
6. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Mumbai-400 022.
7. The Office of District Collector, Raigad, near Hirakot Lake, Police Line, Alibag, Maharashtra 402201.
8. Guard File/Record File/Monitoring File/MoEF&CC Website.

Annexure 1

Specific EC Conditions for (Synthetic Organic Chemicals Industry)

1. Specific Condition

S. No	EC Conditions
1.1	(i) As proposed, common stack of 30m height shall be provided to the existing 3 TPH PNG fired boiler and PNG fired existing and proposed Thermopack . (ii) 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. Odour management plan shall be implemented. (iii) Total fresh water requirement from MIDC water supply shall not exceed 215 m3/day. (iv) Effluent generation shall not exceed 338 KLD. Effluent from process plant (313 CMD) & vessel-reactor washing, floor washing (2 CMD) & utility blow downs (23 CMD) shall be fed to Nano filtration after pH adjustment. The reject of Nano filtration (7 CMD) shall be recycled to the process and permeate (331 CMD) shall be passed through the RO-1. RO-1 reject off 165 CMD shall be fed to WHE (waste heat evaporator) and permeate off 166 CMD will be subjected to a 2nd pass of RO-1. During 2nd pass of RO-1, 35% i.e. the permeate (58 CMD) will be collected and along with condensate of WHE (159 CMD) totaling 217 CMD will be subjected to further treatment in RO at 2nd step. The remaining 65% i.e. the reject (108 CMD) shall be sent to CETP after approval of SPCB. The permeate of RO-2nd step (206 CMD) will be reused in process. The reject of RO-2nd step (11 CMD) will be mixed with the RO-1 reject (165 CMD) totalling 176 CMD, and this will be fed to WHE. The saturated solution from WHE will be mixed with thr product and fed to the spray dryer. Domestic wastewater generation will be 9 m3/day and the same will be treated in STP with SBR technology and treated water shall be used for gardening purpose. PP shall ensure that water quality of effluent shall meet the standards prescribed for CETP. (v) The PP shall develop/maintain greenbelt over an area of 1938.76 m2, out of which, 538.76 m2 within the proposed plant site and balance 1400.00 m2 greenbelt area (31.11% of total plot area) shall be developed outside the premises on Plot no. OS-52, MIDC Taloja, Raigad at distance 350 m from project site, preferably within one year of grant of EC. The number of saplings shall be planted and should be of sufficient height, preferably 6-ft. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP should 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. (vi) An in house rain water harvesting structures shall be provided with tank capacity 200 KL and

S. No	EC Conditions
	collected rainwater shall be reused in the premises. (vii) All the hazardous waste shall be managed and disposed as per the HWM. Rules 2016. Hazardous waste such as process waste, ETP sludge and barrels/containers/liners contaminated shall be either sent to CHWTSDF. (viii) Monitoring of the compliance of EC conditions shall be submitted with third party audit every year. (ix) As proposed, an amount of 75 lakhs shall be allocated towards CER. (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. PP shall engage Director- Technical Manager- Engineer- Non technical manager- Engineer- supervisior- Assistant. 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. 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 previous year. (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 is 615.20 Lakhs (Capital cost) and Rs. 48.64 Lakhs per annum (Recurring cost) shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof of 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 previous year. (xii) No banned chemicals shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard. (xiii) The project proponent 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. (xiv) 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 sent for coprocessing. (xv) 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. (xvi) All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The project proponent 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. (xvii) 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. (xviii) 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. (xix) The occupational health centre for surveillance of the worker's health shall be set up. The

S. No	EC Conditions

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.

(xx) 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.

(xxi) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.

(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.

(xxiii) As proposed, PP shall comply with the following mitigation measures as Per Ministry's Office Memorandum 31st October, 2019 regarding Projects Located in Critically Polluted Area:

Sr. No.	Environmental Component	Mitigation Measures	Compliance
1	Air	i) Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.	• Existing there is 1 Thermopack of 15 LacKcal/hr. • 1 Thermopack of 10 LacKcal/hr. and 1 Boiler of 3 TPH is additional proposed. • Fuel for existing Thermopack is PNG only and for proposed Thermopack and Boiler fuel will be PNG only, which is cleaner than other fuels. • A common stack of 30 m will be provided for all Thermopacks and Boiler as air pollution control device. There will be only emission of NOx from the combustion of PNG from the existing and proposed Thermopac & proposed Boiler. For NOx standard is not given. Actual emission for NOx will be 0.157 gm/sec
		ii) CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.	Not applicable, as there are no process vents at site.
		iii) Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.	Company is following effective fugitive emission control measures such as: **For Process:** Use of closed loop systems practiced in the process for arresting fugitive emissions. However, other fugitive emissions due to leakages are controlled using air handling units (AHU). Charging of liquid & solid raw materials are done under vacuum. All pumps are provided with mechanical seals to avoid leakages. **Packing:** Packing are done at closed chamber. Air

S. No	EC Conditions			
				handling units will be provided. **To control the fugitive emissions from pipes following measures are being taken:** Replacement of old, outdated valves. Installation of right leak proofed valves. Valves and flanges preventive maintenance program are followed regularly. Regular monitor of system for leaks. **For Transportation:** Only vehicles having a valid PUC are permitted for transportation of raw material, finished goods etc. Idling of engines of vehicles are not allowed inside the project premises. Sweeping paved roads, Covering open trucks are being done regularly to control dust.
			iv) Transportation of materials by rail/conveyor belt, wherever feasible.	The transportation of materials is presently being done by road in tarpaulin covered trucks & same will be followed after expansion.
			v) Encourage use of cleaner fuels (pet coke/ furnace oil/ LSHS may be avoided).	For Existing and proposed Boilers fuel PNG is the fuel which contains less sulphur and is cleaner fuel than FO or Pet Coke.
			vi) Best Available Technology may be used. For example; usage of EAF/SAF/IF in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology.	We are using best available technology. • Achieved reduction in effluent by continuously reducing the input water consumption and recycling the water condensates. • Dedicated equipment for the product which enables us to reduce the intermittent washings of the equipment thereby reducing the effluent quantity. • Continuous preventive maintenance of the moving parts of the equipment as per the preplanned schedule keeps the noise generation under control. Besides we provide acoustic system to the noise making equipment to control the noise.
			vii) Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.	The unit is old (established in the year 2004) and constructed as per the norms of MIDC at that time. So, no land is available inside to develop the 40% of green belt as per the requirement. Eskay will develop 538.76 m2 greenbelt area (11.97% of total plot area) inside the premises & deficient 1400.00 m2 greenbelt area (31.11% of total plot area) will be developed outside the premises on Plot no. OS-52, MIDC Taloja, Raigad at distance 350 m from project site. Total greenbelt area will be 1938.76 m2 (43.08% of total plot area) PP will additionally develop greenbelt area i.e. 1700

S. No	EC Conditions			
				m2 as part of avenue plantation & social forestry on OS-52 only as a compliance point for the projects located in SPA. **The green belt development is already in process and will be completed within 1 year after grant of EC.**
			viii) Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	Eskay has already developed avenue plantation on MIDC land adjoining to the compound wall admeasuring 658.00 Sq. m. area.
			ix) Assessment of carrying capacity of transportation load on roads inside the industrial premises. If the roads required to be widened, shall be prescribed as a condition.	Proper Road Network is available inside the Industrial Premises. 6 m wide roads with 9m turning radius is already provided. So there will be no requirement of widening of the road inside the premises.
	2	Water	i) Reuse/recycle of treated wastewater, wherever feasible.	1. Effluent from process plant (313 CMD) & vessel-reactor washing, floor washing (2 CMD) & utility blow downs (23 CMD) totaling to (338 CMD) will be fed to Nano filtration after pH adjustment. 2. The reject of Nano filtration (7 CMD) will be recycled to the process and permeate (331 CMD) will be passed through the RO-1. RO-1 reject off 165 CMD will be fed to WHE (waste heat evaporator) and permeate off 166 CMD will be subjected to a 2nd pass of RO-1. 3. During 2nd pass of RO-1, 35% i.e. the permeate (58 CMD) will be collected and along with condensate of WHE (159 CMD) totaling 217 CMD will be subjected to further treatment in RO-2. The remaining 65% i.e. the reject (108 CMD) will be sent to CETP as per existing consent. This reject of 108 CMD (having TDS of around 1500 mg/lit.) contains some inorganics, (mainly sodium chloride and sodium sulphate) along with isomers of OBA & cannot be treated further or reused. 4. The permeate of RO-2 (206 CMD) will be reused in process. 5. The reject of RO-2 (11 CMD) will be mixed with the RO-1 reject (165 CMD) totalling 176 CMD, and this will be fed to WHE. 6. The saturated solution from WHE will be mixed with our product and fed to the spray dryer.
			ii) Continuous monitoring of effluent	The existing effluent quality / quantity are being monitored online for parameters like flow, pH, flow,

S. No	EC Conditions			
			quality/quantity in large and medium Red Category Industries (water polluting).	COD, TSS as per the applicable requirements and will be continued after proposed expansion.
			iii) A detailed water harvesting plan may be submitted by the project proponent	A detailed rainwater harvesting plan has been prepared and will be implemented. The rainwater amounting to 384.43 m3 for the season from the available roof areas will be collected in proposed existing raw water tank of 200 m3 capacity. Harvested rain water will be stored in this tank and excess rain water will be led to natural drain. That much MIDC water will be less drawn during monsoon season.
			iv) Zero- liquid-discharge-wherever-techno economically feasible.	Recycled/reused in-house=213 CMD, Disposed to CETP=108 CMD. As the permission for the same is available.
			v) In case, domestic waste water generation is more than 10 KLD, the industry may install STP.	Domestic effluent of 9 CMD will be treated in STP with SBR technology. Treated wastewater will be reused for Gardening during non-monsoon season and for flushing during monsoon season.
	3	Land	i) Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever, feasible for new projects.	The unit is old (established in the year 2004) and constructed as per the norms of MIDC at that time. So, no land is available inside to develop the 40% of green belt as per the requirement. Eskay will develop 538.76 m2 greenbelt area (11.97% of total plot area) inside the premises & deficient 1400.00 m2 greenbelt area (31.11% of total plot area) will be developed outside the premises on Plot no. OS-52, MIDC Taloja, Raigad at distance 350 m from project site. Total greenbelt area will be 1938.76 m2 (43.08% of total plot area) PP will additionally develop greenbelt area i.e. 1700 sq. m. as part of avenue plantation & social forestry on OS-52 only as a compliance point for the projects located in SPA. **The green belt development is already in process and will be completed within 1 year after grant of EC.**
			ii) Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	Eskay has already developed avenue plantation on MIDC land adjoining to the compound wall admeasuring 658.00 Sq. m. area.
			iii) Dumping of waste	There is no generation of fly ash, slag, red mud, etc.

S. No	EC Conditions			
			(fly ash, slag, red mud, etc.) may be permitted only at designated locations approved by SPCBs/ PCCs.	from the industry. Industry will not dump any other waste haphazardly and will send to designated locations approved by MPCB.
			iv) More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co-processing.	The hazardous waste like process waste (15 TPA), ETP sludge (36 TPA) disposed to the CHWTSDF. Discarded barrels/containers/liners contaminated with hazardous chemicals /wastes (50 TPA) disposed to authorized party/ CHWTSDF. Pallets (25 TPA) sold to authorized party/CHWTSDF. Other waste i.e. E-Waste (0.1 TPA) sold to authorized dismantlers/ Recyclers, Battery waste (0.05 TPA) Returned to battery manufacturer through authorized dealer on buy back procurement, Plastic waste of uncontaminated nature (0.5 TPA) segregated and recycled to authorized govt. body. Non-Hazardous waste i.e. Metal, Wood & paper scrap (25 TPA) sold and STP Sludge (0.8 TPA) will be used as manure for gardening.
	4	Other Condition (Additional)	i) Monitoring of compliance of EC conditions may be submitted with third party audit every year.	This is our first EC, after getting EC compliance report of EC conditions will be submitted to MoEF & CC, CPCB and MPCB in every six months which will be audited by third party. Third party audit report for current activity is being done.
			ii) The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	CER budget has been prepared amounting to a tune of Rs. 75.00 Lacs i.e, 1.5% of the additional capital investment (Rs. 50 Cr.) in accordance with the provisions of the MoEF Office Memorandum no. F. No. 22-23/ 2018-IA.III (Pt) dated 31st October 2019.

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

S. No	EC Conditions
	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.
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

S. No	EC Conditions
	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.

Annexure 2

Details of the Project

S. No.	Particulars	Details
a.	Details of the Project	Proposed expansion project for manufacturing of Optical brightening agents/Fluorescent brightening agents classified as textile auxiliaries at Plot No.: H-25, MIDC Taloja, Tal. Panvel, Dist. Raigad, Maharashtra by Eskay Dyestuffs & Organic Chemicals Pvt. Ltd.
b.	Latitude and Longitude of the project site	19.058472963112987,73.12254547968286
c.	Land Requirement (in Ha) of the project or activity	**Nature of Land involved** / **Area in Ha** Non-Forest Land (A) / 0.45 Forest Land (B) / 0 Total Land (A+B) / 0.45
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)	7807
g.	EMP Cost (in lacs)	540.2
h.	Employment Details	60

Signature Not Verified
Digitally Signed by : Mr A N Singh
Member Secretary, MoEFCC (EC)
Date: 28/12/2023