STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:July 8, 2021

To,
M/S. BERGER PAINTS INDIA LIMITED
at Plot No. G35, Jejuri Additional Industrial Area, Jejuri, Taluka Purandhar, District Pune, Maharashtra State

Subject: Environment Clearance for Environment Clearance for: Expansion of Integrated Paint Plant at Plot No. G35, Jejuri Additional Industrial Area, Jejuri, Taluka Purandhar, District Pune, Maharashtra State

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 194th Day-3th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 220th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category 5 (H) B as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	Environment Clearance for: Expansion of Integrated Paint Plant at Plot No. G35, Jejuri Additional Industrial Area, Jejuri, Taluka Purandhar, District Pune, Maharashtra State
2.Type of institution	Private
3.Name of Project Proponent	M/S. BERGER PAINTS INDIA LIMITED
4.Name of Consultant	KADAM ENVIRONMENTAL CONSULTANTS, VADODARA, GUJARAT
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	EXPANSION
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NO
8.Location of the project	Plot No. G35, Jejuri Additional Industrial Area, Jejuri, Taluka Purandhar, District Pune, Maharashtra State
9.Taluka	PURANDHAR
10.Village	JEJURI
Correspondence Name:	Mr. Narayan S. shinalkar
Room Number:	804
Floor:	3RD FLOOR
Building Name:	804, windfall, sahar plaza, J B nagar
Road/Street Name:	ANDHERI KURLA ROAD
Locality:	ANDHERI (EAST)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Other Area- Industrial Estate
12.IOD/IOA/Concession/Plan Approval Number	NOT APPLICABLE
	IOD/IOA/Concession/Plan Approval Number: NOT APPLICABLE
	Approved Built-up Area: 57143.07

13.Note on the initiated work (If applicable)	NOT APPLICABLE
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC,Jejuri
15.Total Plot Area (sq. m.)	73125
16.Deductions	2173.93
17.Net Plot area	70951.07
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** Not applicable
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 01-06-2000
19.Total ground coverage (m2)	56760.856
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	2000000000

22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	liquid solvent based paints	9000	39600	48600
2	resin	6000	27000	33000
3	solid color	3000	3900	6900

23.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	231
	Recycled water - Flushing (CMD):	7
	Recycled water - Gardening (CMD):	31
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	308
	Fire fighting - Underground water tank(CMD):	NIL
	Fire fighting - Overhead water tank(CMD):	1200 KL
	Excess treated water	NIL
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	231
	Recycled water - Flushing (CMD):	7
	Recycled water - Gardening (CMD):	31
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	308
	Fire fighting - Underground water tank(CMD):	NIL
	Fire fighting - Overhead water tank(CMD):	1200 KL
	Excess treated water	NIL
Details of Swimming pool (If any)	Not applicable	

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	2	0	2	2	0	2	7	0	7
Industrial Process	0	7.5	7.5	0	3.5	3.5	0	4	4
Cooling tower & thermopack	24	115	139	20	106	126	4	10	14
Gardening	19	1	20	19	1	20	0	0	0
Fresh water requirement	55	176	231	43	166	209	24	16	40

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	It ranges from 15 to 20 m bgl
	Size and no of RWH tank(s) and Quantity:	01 Nos Size at the top(17.8 mtr x 15.0 mtr) size at bottom (6.4 mtr x 3.6 mtr)
	Location of the RWH tank(s):	location is on layout map
	Quantity of recharge pits:	One Rain Water Harvesting Pond
	Size of recharge pits :	6.4 mtr x 3.6 mtr
	Budgetary allocation (Capital cost) :	-
	Budgetary allocation (O & M cost) :	-
	Details of UGT tanks if any :	U/G storage tank: 2 nos. , 100KL & 60 KL
26.Storm water drainage	**Natural water drainage pattern:**	towards SW direction
	Quantity of storm water:	-
	Size of SWD:	2m depth x 1.2 width

27.Sewage and Waste water	**Sewage generation in KLD:**	10 KLD after proposed expansion
	STP technology:	MBBR technology
	Capacity of STP (CMD):	1 no.; capacity:20 KLD
	Location & area of the STP:	Near ETP, area: 20 m2
	Budgetary allocation (Capital cost):	20 Lakh
	Budgetary allocation (O & M cost):	200 Rs/Day

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	No construction activities are involved hence such waste generation is not envisaged
	Disposal of the construction waste debris:	No construction activities are involved hence generation and disposal of such wastes is not envisaged
Waste generation in the operation Phase:	**Dry waste:**	NOT APPLICABLE
	Wet waste:	Not Applicable
	Hazardous waste:	Chemical sludge from waste water treatment 1.23 MTPA, Used Oil/Spent oil 2.45 MTPA, Spent Solvent 411.68 MTPA. Process waste, residue, sludge 123.50, Discarded container/drum/liner 2.94 MTPA, Bag Filter and Dust collector Residue 51.46 MTPA
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	1 kg/day
	Others if any:	Boiler ash: total 96 MT per Month
Mode of Disposal of waste:	**Dry waste:**	sale to scrap dealer
	Wet waste:	Not Applicable
	Hazardous waste:	Sent to to CHWTSDF for landfilling & Sale to Authorised recycler
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	as manure for gardening
	Others if any:	Sale to cement/ brick manufacturing
Area requirement:	**Location(s):**	location is on layout map
	Area for the storage of waste & other material:	22.6 acre
	Area for machinery:	67200 m2 Processing area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	200 CRORE
	O & M cost:	-

29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	PH	-	6.6	7.3	5.5-9.0
2	OIL AND GREASE	MG/L	10	<0.1	MAX 10
3	BOD	MG/L	1117	14	MAX 100
4	TDS	MG/L	1130	260	MAX 2100
5	SUSPENDED SOLID	MG/L	572	11	MAX 100
6	COD	MG/L	3192	40	MAX 250
7	CHLORIDE	MG/L	15	11.8	MAX 600

Amount of effluent generation (CMD):	65
Capacity of the ETP:	85 & 20
Amount of treated effluent recycled :	101
Amount of water send to the CETP:	NOT APPLICABLE
Membership of CETP (if require):	Already member of CETP
Note on ETP technology to be used	as per PFR and Annexure of form 1
Disposal of the ETP sludge	packed in bags and sent to CHW-TSDF Site at MIDC, Taloja.

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge from waste water treatment	35.3	MTPA	0.23	1	1.23	CHWTSDF site
2	Used Oil/Spent oil	5.1	MTPA	0.45	2	2.45	Sale to authorised recycler
3	Spent Solvent	20.2 21.2	MTPA	75.68	336	411.68	Recycling In-house
4	Process waste, residue, sludge	20.3 21.2	MTPA	22.7	100.8	123.5	CHWTSDF site
5	Discarded container/drum/liner	33.1	MTPA	0.54	2.4	2.94	CHWTSDF site
6	Bag Filter and Dust collector Residue	35.1	MTPA	9.46	42	51.46	CHWTSDF site

31.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG SET	HSD 1200 KVA	3	30	400	<100 deg C
2	DG SET	HSD 180 KVA	2	30	400	<100 deg C
3	DG SET	HSD 1250 KVA	2	30	400	<100 deg C
4	STEAM BOILER	850 KG/HR	4	30	400	<100 deg C
5	THERMIC FLUID HEATER	20 LAC KCAL/HR	1	3.5	700	<100 deg C
6	THERMIC FLUID HEATER	15 LAC KCAL/HR	1	3.6	700	<100 deg C

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD FOR BOILER (LT/HR)	29	140.24	169.24
2	HSD FOR DG SET (LT/HR)	145	145	290
3	HSD FOR THERMIC FLUID HEATER (LT/HR)	-	328	328
33.Source of Fuel		HSD:HPCL, Loni Depot; Vendor Not Finalized		
34.Mode of Transportation of fuel to site		by road tankers, trucks		

35.Energy

Power requirement:	**Source of power supply :**	Maharashtra Electricity Supply Board (MESB)
	During Construction Phase: (Demand Load)	NIL
	DG set as Power back-up during construction phase	NOT APPLICABLE
	During Operation phase (Connected load):	9067 KVA
	During Operation phase (Demand load):	1350 KVA
	Transformer:	1600 KVA 02 nos
	DG set as Power back-up during operation phase:	The DG sets (1250 KVA - 2, 180 KVA 1, .) are available in plant as a backup source in case of power failure
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

Energy saving by non-conventional method:

-

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	-	NOT APPLICABLE

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
AIR	Wet scrubber, Carbon filter, Dust collector, Stack with adequate height	not required
Water	ETP, STP	adequate size of ETP and STP for additional pollution load
NOISE	Acaustic Enclosours	No additional DG sets
SOLID WASTE	Membership with CHW-TSDF , Taloja	will be covered in same the membershiop

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	-
	O & M cost:	-

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	-	NOT APPLICABLE	NOT APPLICABLE

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)

1	AIR	Installation of two new stacks of height 30 m for boilers	30.00	-
2	AIR	Installation of Existing air pollution equipment	119.00	0
3	AIR	Existing flue gas and process stacks	92.00	0
4	Water Pollution Control	existing ETP & STP -	-	6.20

39.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Liquid paint (solvent based)	Liquid	R.M.storage within plant premises	Container 1lt, 4lt, 10lt, 20lt, 200lt	2000 kl	-	supplier from various part of India	Drum & barrel
Resin (intermediate for captive consumption)	Resin	R.M.storage within plant premises	Medium Storage Tank	-	-	supplier from various part of India	STORAGE TANK
Solid color (Powder Coating)	solid	R.M.storage within plant premises	Box 10kg, 15kg, 20kg	250 MT	-	supplier from various part of India	BOX

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (H) B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-06-2019

3. The proposal has been considered by SEIAA in its 220th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	(1) PP to ensure that trees of native & indigenous species are planted in plantation program.
II	(2) PP to upload CER plan on his website and implement CER plan as per need based Socio Economic Survey .
III	(3) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly.
IV	(4) PP to carry out rain Water harvesting within factory premises.
V	PP to undertake Meyawaki plantation of native and indigenous trees in the proposed 33 % green belt as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
VI	PP to plant 2400 no of trees instead of 800 as proposed.
VII	PP to ensure to provide Zero Liquid Discharge Effluent Treatment Plant.
VIII	PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
IX	PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
X	PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
XI	PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
XII	PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
XIII	PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
XIV	PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
XV	11. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste , not less than 50 % of the total fuel requirement to the boiler.
XVI	12. PP to provide roof top Rain Water Harvesting facility.

General Conditions:

I	I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at http://parivesh.nic.in
II	II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1sr December of each calendar year.
III	III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.
IV	IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
V	V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.
VI	VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.
VII	VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.
VIII	VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
IX	IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
X	X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.
XI	XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.
XII	XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

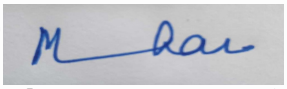
6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune),New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Manisha Patankar Mhaiskar (Member Secretary SEIAA)

Copy to:

1. SECRETARY MOEF & CC

2. IA- DIVISION MOEF & CC

3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI

4. REGIONAL OFFICE MOEF & CC NAGPUR

5. MUNICIPAL COMMISSIONER PUNE

6. MUNICIPAL COMMISSIONER SATARA

7. REGIONAL OFFICE MPCB PUNE

8. REGIONAL OFFICE MIDC PUNE

9. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD

10. COLLECTOR OFFICE PUNE

11. COLLECTOR OFFICE SATARA

12. COLLECTOR OFFICE SOLAPUR