



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Maharashtra)

To,

The Partner

SHK CHEMTECH INDUSTRIES LLP

Plot No. D7, D8, Jakekur Village, Omerga MIDC Area, Omerga MIDC
Area, Omerga, Osmanabad -413606

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/MH/IND3/67574/2019 dated 07 Dec 2021. The particulars of the environmental
clearance granted to the project are as below.

1. EC Identification No.	EC22B021MH110689
2. File No.	SIA/MH/IND3/67574/2019
3. Project Type	Expansion
4. Category	B1
5. Project/Activity including Schedule No.	5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk
6. Name of Project	M/s. SHK Chemtech Industries LLP
7. Name of Company/Organization	SHK CHEMTECH INDUSTRIES LLP
8. Location of Project	Maharashtra
9. TOR Date	13 Dec 2019

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 21/04/2022

(e-signed)
Manisha Patankar Mhaikar
Member Secretary
SEIAA - (Maharashtra)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

This is a computer generated cover page.



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND3/67574/2019
Environment & Climate Change
Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s SHK Chemtech Industries LLP,
Plot No. D7 & D8, Jakekur, Omerga MIDC,
Omerga, Osmanabad.

Subject : Environment Clearance for Proposed Expansion in existing facility of manufacturing of Solvents & Esters from 1400 MT/month to 5600 MT/month at Plot No. D7 & D8, Jakekur, Omerga MIDC, Omerga, Osmanabad {Maharashtra} by "M/s SHK Chemtech Industries LLP.

Reference : Application no. SIA/MH/IND3/67574/2019

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-1 in its 216th meeting under screening category 5(f) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 239th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

Sr. no	Particulars Required	Details										
1	Name of the project & Address along with all corner latitude and longitude	Name of the project: M/s SHK Chemtech Industries LLP Address: Plot No. D7 & D8, Omerga MIDC, Jakekur, Omerga, Dist. Osmanabad (MH). Latitude and Longitude of site corners: <table><tr><td>A</td><td>17°51'51.09"N 76°34'50.63"E</td></tr><tr><td>B</td><td>17°51'43.10"N 76°34'50.97"E</td></tr><tr><td>C</td><td>17°51'42.91"N 76°34'45.22"E</td></tr><tr><td>D</td><td>17°51'50.88"N 76°34'44.07"E</td></tr><tr><td>E</td><td>17°51'46.71"N 76°34'47.99"E</td></tr></table>	A	17°51'51.09"N 76°34'50.63"E	B	17°51'43.10"N 76°34'50.97"E	C	17°51'42.91"N 76°34'45.22"E	D	17°51'50.88"N 76°34'44.07"E	E	17°51'46.71"N 76°34'47.99"E
A	17°51'51.09"N 76°34'50.63"E											
B	17°51'43.10"N 76°34'50.97"E											
C	17°51'42.91"N 76°34'45.22"E											
D	17°51'50.88"N 76°34'44.07"E											
E	17°51'46.71"N 76°34'47.99"E											
2	Type of Organization (Private /Government/Semi Government etc.)	Private										

3	Correspondence Address and contact details of Project Proponent	Address: H.NO. R-6-501, DARDA COMPLEX, SUBHASH CHOWK, Latur (MCI),Latur Contact details as under: Mr. Prathmesh Kocheta Contact person: Mr. Mo. No.: +91-9766245503
4	Type of project (ToR/EC/Amendment in ToR/Amendment in EC/ Revalidation/ Expansion/Process change etc.)	EC for proposed expansion
5	Category of project as per EIA Notification 2006 amended from time to time (Pl. mention category A,B,B1,B2 etc. whichever is applicable)	5(f) - B1
6	If earlier ToR is obtained pl. mention details (ToR letter No. & Date, SEAC/EAC Meeting No.)	Not applicable as per Notification of Ministry of Environment, Forest and Climate Change New Delhi, dated 27 th March, 2020 vide file No. [F. No. 19-21/2020-IA.III]
7	If earlier EC is obtained pl. mention EC Number & Date	Application no. SIA/MH/IND2/49327/2019 dated on 31-03-2020
8	Whether the proposal is a violation case (yes/no)	No
9	Applicability of CRZ clearance (yes /no)	No
10	Whether General /Specific Conditions are applicable to the project (Yes/No) If yes pl. give details	No
11	Whether Scrutiny fees paid as per SEIAA guidelines(Yes/No); If yes pl give payment details	Yes, Deposited Amount of Rs. 1,50,000/- via RTGS. UTR No. MAH6N21357408607, Dated: 23 rd December, 2021
12	Name of accredited Environmental Consultant & address along with Accreditation No. & Validity	M/s.sd engineering services pvt. ltd. Address: 14, Age Arcade, Near SantEknath Rang Mandir, New Osmanpura, Aurangabad-431 005 SI No.: 71 (Ref. List of Accredited Consultant Organizations with their certificate/extension letter Rev. 06, Jan 15, 2021) NABET/EIA/1922/RA0136 valid upto 10-02-2022
13	Name of layout plan approving Authority	MIDC
14	Estimated cost of Project (in Rs. Lakhs)	2100
15	Area of project (in Sq.m.)	44721
16	Whether 33% green belt is provided (Yes/No)	Yes
17	Area of Green Belt & No. of trees in the proposed project in Sq.m. (Pl. provide 2000 trees per hectare of green belt area)	Area of Greenbelt: 14858 No. of trees: 2220
18	Width of internal roads and turning radius	Width: 6 m Turning radius:9 m

19	Details of proposed construction			Total Built-up Area (in Sq.m)		Existing: 13200.90 Proposed: 1238.25		
				No. of Buildings & its height in mtrs.		2 Height: ~10-15m		
20	List of Raw materials & Storage Details (Pl. add on in the list if necessary)							
	Sr.no	Name of Raw material	Consumption (MT/Month)	Maximum Storage Details in Volume M3	Hazard category	Proposed precautions to prevent accident	Remarks	
	1.	Special Denatured Sprit	2195.34	6000	Fire	Fire hydrant line, Fire extinguishers should be in place, PPEs to workers / To avoid ignition by any source and provide external cooling arrangement to the storage tanks, fire hydrant line, PPEs to workers	--	
	2.	Acetic acid	2863.56	500	Hazardous and toxic		--	
	3.	p-Toluene Sulphonic acid	0.336	500	Hazardous and toxic		--	
21	Production Details							
	Sr. No.	Name of Product	Quantity (Capacity) MT/M			CAS no.	Application	Name of Product approving authority (like FDA of pharmaceuticals etc.)
			Existing	Proposed	Total			
	1.	Ethyl Acetate	1400	4200	5600	141-78-6	Coatings solvent for paints, lacquers, and varnishes	FDA
	2.	Butyl Acetate	1400	0	1400	123-86-4	flavoring in foods	FDA
	3.	Propyl Acetate	1400	0	1400	109-60-4	Ingredient in aerosol sprays, nail care	FDA

							products and cosmetics.	
4.	Isoamyl Acetate	1400	0	1400	123-92-2		solvent for some varnishes	FDA
5.	Ethanol	60 KLPD	0	60 KLPD	200-578-6		manufacture of drugs, lacquers, polishes, and cosmetics	FDA

22 Water Consumption & Effluent generation (All units in CMD)

i) Source & Qty of water requirement (in CMD): Additional total fresh water requirement is about 381.6 CMD (Existing: 163.4 CMD + Proposed: 218.2 CMD). The source of water will be MIDC.

ii) Water supply permission obtained (Yes/No) & approving Authority :Yes & the source of water will be MIDC

Water require ment for	Water Consumption (CMD)			Loss (CMD)			Effluent CMD			Recycle of Effluent CMD				Waste water generation for Treatment (CMD)		
	Existin g	Propose d additional	Total	Existin g	Propo sed	Total	Existi ng	Pro posed	Tot al	Exi stin g Recycle d effluen t	Pro posed Recycle d effluen t	Total	Remar k	Effluent for Treatme nt and Recycle Existing	Effluen t for Treat ment and Recycle Proposed	Effluent for Treatme nt and Recycle Total
(A) Domestic	10.2	2	12.2	1	1	2	9.2	1	10.2	9.2	1	10.2	For Gardening			
(B) Gardenin g	22	5	27	22	5	27	0	0	0				Fresh Water			
(C) Industrial																
Process	8	20.0	28	1	3	4	7	17.0	24	7.0	17.0	24	For cooling tower	7	17.0	24
Washing	1	1	2	0.2	0.2	0.4	0.8	0.8	1.6	1.8	1.8	3.6	For addtio n to fresh water after treatm ent	0.8	0.8	2
Boiler feed	288	480	768	30	48	78	244	408	652	244	408	652	Conde nsate Recycl e			
							14	24	38	14	24	38	For	14	24	38

														addtio n to fresh water after treatm ent			
Cooling tower makeup	105	170	275	100	160	260	5	10	15	5	10	15	For addtio n to fresh water after treatm ent	5	10	15	
Industrial Total	402	671.0	1073.0	153.2	211.2	342.4	270.8	459.6	730.8	271.8	460.8	732.6		26.8	51.8	78.6	
Grand total (A+B+C)	434.2	678.0	1112.2	176.2	217.2	371.4	280.8	460.8	740.0	281.0	461.8	742.8					

Summary:		Existing (CMD)	Proposed (CMD)	Total CMD
1. Total water requirement:		434.2	678.0	1112.2
2. Total industrial effluent to ETP:		26.8	51.8	78.6
3. Total domestic effluent to STP:		9.2	1	10.2
4. Total recycled quantity of industrial effluent:		26.8	51.8	78.6
5. Total boiler condensate recycle internally:		244	408	652
5. Total recycled quantity of sewage from STP:		9.2	1	10.2
6. Total fresh water requirement:		163.4	218.2	381.6

23	Quantity of sewage generation (in CMD):	10.2 (After proposed expansion)		
24	Details of Sewage Treatment and Disposal of treated sewage:	Sewage water shall be disposed to septic tank via soak pit and further shall be used for greenbelt purpose.		
25	Detail of Effluent Generation (unit CMD)-Total			
	Particulars	Existing	Proposed	Total
	a)Qty. of Effluent generation: (CMD)	• Industrial: 26.8 • Domestic: 9.2	• Industrial: 51.8 • Domestic: 1	• Industrial: 78.6 • Domestic: 10.2
	b)Qty. of high TDS/COD effluent: (CMD)	0	0	0
	c)Qty. of low TDS/COD effluent: (CMD)	26.8	51.8	78.6
26	Whether Zero liquid Discharge Effluent Treatment is proposed (Yes/No)	Yes, Effluent Treatment Plant having capacity of 85 CMD. The		

		total Quantity of effluent is Recycled after treatment.																																																		
27	Brief Description of Effluent Treatment scheme	Effluent treatment scheme is based on Physico chemical treatment followed by Aerobic treatment process (Attach Growth) and Tertiary treatment i.e. filtrations & adsorption process																																																		
28	Qty of treated effluent proposed to be sent to CETP (pl. mention Name of CETP and its membership Details)	NA																																																		
29	Please mention parameters of treated effluent to be achieved as per EP Rule,1986 and or stipulated by the SPCB Waste Water Characteristics <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Parameter</th> <th>Unit</th> <th>Raw Effluent</th> <th>Treated Effluent</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>pH</td> <td>--</td> <td>5.5-6.1</td> <td>6.5-8.5</td> </tr> <tr> <td>2</td> <td>Suspended Solids</td> <td>mg/l</td> <td>100-500</td> <td><100</td> </tr> <tr> <td>3</td> <td>Biochemical Oxygen Demand</td> <td>mg/l</td> <td>200-500</td> <td><25</td> </tr> <tr> <td>4</td> <td>Chemical Oxygen Demand</td> <td>mg/l</td> <td>500-1000</td> <td><100</td> </tr> <tr> <td>5</td> <td>Total Dissolved Solids</td> <td>mg/l</td> <td>1000-2000</td> <td><2100</td> </tr> </tbody> </table>			Sr. No.	Parameter	Unit	Raw Effluent	Treated Effluent	1	pH	--	5.5-6.1	6.5-8.5	2	Suspended Solids	mg/l	100-500	<100	3	Biochemical Oxygen Demand	mg/l	200-500	<25	4	Chemical Oxygen Demand	mg/l	500-1000	<100	5	Total Dissolved Solids	mg/l	1000-2000	<2100																			
Sr. No.	Parameter	Unit	Raw Effluent	Treated Effluent																																																
1	pH	--	5.5-6.1	6.5-8.5																																																
2	Suspended Solids	mg/l	100-500	<100																																																
3	Biochemical Oxygen Demand	mg/l	200-500	<25																																																
4	Chemical Oxygen Demand	mg/l	500-1000	<100																																																
5	Total Dissolved Solids	mg/l	1000-2000	<2100																																																
30	Brief Note on proposed Rainwater harvesting scheme along with budget allocation:	As below:																																																		
Quantum of Runoff Available Through Rain Water Harvesting <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Land use in industry area</th> <th>Area (M2)</th> <th>Rainfall (mm)</th> <th>Rainfall (M)</th> <th>Runoff Coefficient</th> <th>Total RWH (M3)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Roof top area (Total built up Area)</td> <td>14439.15</td> <td>700</td> <td>0.7</td> <td>0.9</td> <td>9096.6645</td> </tr> <tr> <td>2</td> <td>Green Belt</td> <td>14858.5</td> <td>700</td> <td>0.7</td> <td>0.3</td> <td>3120.285</td> </tr> <tr> <td>3</td> <td>Parking Area</td> <td>4472.1</td> <td>700</td> <td>0.7</td> <td>0.5</td> <td>1565.235</td> </tr> <tr> <td>4</td> <td>Road/Paved area</td> <td>8552.27</td> <td>700</td> <td>0.7</td> <td>0.5</td> <td>2993.2945</td> </tr> <tr> <td>5</td> <td>Open space</td> <td>3637.22</td> <td>700</td> <td>0.7</td> <td>0.3</td> <td>763.8162</td> </tr> <tr> <td>Total RWH</td> <td></td> <td>45959.24</td> <td></td> <td></td> <td></td> <td>17539.2952</td> </tr> </tbody> </table> - It is proposed to Catch Roof water Rainfall to 30% extent and store the same in a Collection Tank. A network of Pipeline shall be constructed along the roofs and the pipe lines shall be led to a collection tank and from there it will be passed through a sand filter and the filtered water shall be added to main raw water tank. - It is assumed that the water collection efficiency shall be @ 90%. Hence the total water collected shall be 8186.99 cum in a year. The company proposes to Capture 30% of this total water. Hence 2456.09 cum of roof water shall be captured during rainy days (50 days).				Sr. No	Land use in industry area	Area (M2)	Rainfall (mm)	Rainfall (M)	Runoff Coefficient	Total RWH (M3)	1	Roof top area (Total built up Area)	14439.15	700	0.7	0.9	9096.6645	2	Green Belt	14858.5	700	0.7	0.3	3120.285	3	Parking Area	4472.1	700	0.7	0.5	1565.235	4	Road/Paved area	8552.27	700	0.7	0.5	2993.2945	5	Open space	3637.22	700	0.7	0.3	763.8162	Total RWH		45959.24				17539.2952
Sr. No	Land use in industry area	Area (M2)	Rainfall (mm)	Rainfall (M)	Runoff Coefficient	Total RWH (M3)																																														
1	Roof top area (Total built up Area)	14439.15	700	0.7	0.9	9096.6645																																														
2	Green Belt	14858.5	700	0.7	0.3	3120.285																																														
3	Parking Area	4472.1	700	0.7	0.5	1565.235																																														
4	Road/Paved area	8552.27	700	0.7	0.5	2993.2945																																														
5	Open space	3637.22	700	0.7	0.3	763.8162																																														
Total RWH		45959.24				17539.2952																																														

	3. The rain water from the rooftops of the permanent structures will be brought to the raw water collection tank through pipes and it will be used as fresh water. Whereas the rain water from other areas like Green Belt, Parking Area, Road Area and Open Space, will be brought through drainage storm water to recharge pits.							
	4. Dimension with capacity of Recharge Pits- No of pits: 2 nos. 1) 3.2m x 8m x 8m =200 m ³ 2) 4m x 2m x 5m =40 m ³							
	Budget allocated for Rain water harvesting : Rs. 2 Lakh							
31	Solid Waste management							
	Sr. No	Type of Waste	Quantity			Source of Generation	Disposal	Pl. mention plan to reduce solid waste generation if any
			Existing (MT/Day)	Proposed (MT/Day)	Total (MT/Day)			
	1.	Boiler Ash	1.15	1.6	2.75	From boiler	Sale to Brick Manufacturer	--
32	Hazardous Waste Generation & Disposal (As per HW Rule 2016)							
	Sr.no	Category	Particulars	Source of generation (please include Name of Product)	Quantity			Method & Disposal as per HW Rules 2016
					Existing (Kg/M)	Proposed (Kg /M)	Total (Kg /M)	
	1.	5.1	Used Oil or spent oil	From machinery	100	200	300	Sale to Authorized Recycler/Re-processor
	2.	35.3	Chemical sludge from waste water treatment	From ETP	2700	1985	4685	CHWTSDF
	3.	20.3	Process Residue and wastes	From distillation during production	200	2521	536	CHWTSDF
33	Fuel Consumption							
	Existing:							
	Sr. No.	Type of Fuel	Consumption Qty.	Used for (Boiler/ DG Set etc)	Ash%	SO2%	Air pollution control /equipment provided (Yes/No)	
	1.	Coal or Briquette	(916 kg/h or 1666 kg/h)	Boiler - 1 no. (Capacity:	--	--	Bag filter and multi cyclone separator followed by stack	

	And Coal or Briquette	And (183 kg/h or 333 kg/h)	10 TPH) & Boiler - 2 no. (Capacity: 10 TPH)			
2.	HSD	100 L/h	DG set- 1 no. (365 KVA)	--	--	Adequate stack height

Additional for proposed expansion:

Sr. No.	Type of Fuel	Consumption Qty.	Used for (Boiler/ DG Set etc)	Ash%	SO2%	Air pollution control /equipment provided (Yes/No)
1.	Coal or Briquettes	1833 kg/h or 3333 kg/h	Boiler - 1 no. (Capacity: 20 TPH)	--	--	Bag filter and multi cyclone separator followed by stack
2.	HSD	140 L/h	DG Set - 1 No. (Capacity: 500 KVA)- Stand by	--	--	Acoustic Enclosure with adequate stack height

34 Brief Note on Air Pollution Control equipment's Bag filter and Multi Cyclone separator shall be provided

35 **Stack Details (Also include process vent details)**

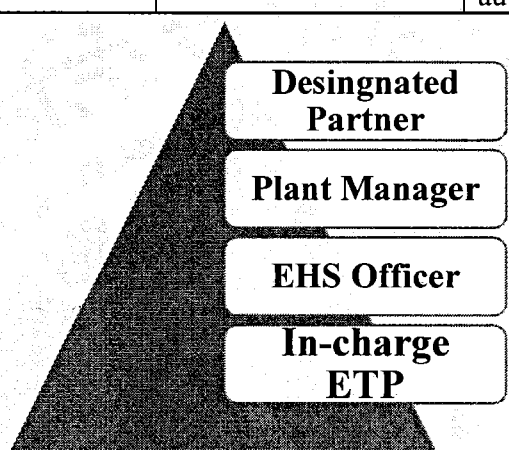
Sr. No.	Section /Unit	Source pollutions	Stack No.	Stack height	Height from ground	Internal Diameter (inch)	Temperature of exhaust gas
1.	Utility	Boiler - 1 no. (Capacity: 20 TPH)- Coal (1833 kg/h) OR Briquettes (3333 kg/h)	1	34m	--	0.5	128
2.		DG Set - 1 No. (Capacity: 500 KVA)- HSD (140 L/h)	2	10m	--	0.10	22.4
3.	Process	--	--	--	--	--	--

36 **Energy**
a)Source of power Supply : Generated by own turbine
b)Maximum Demand (KVA) : Electricity available from State Electricity Board- 0 KVA, Electricity additional required – 100 KW {Source- Generated by own turbine }
c)whether DG sets will be provided (Yes/No): Yes
if yes :

Sr.no	No. of DG Sets	Capacity
-------	----------------	----------

		Existing	Proposed																																																																																									
	1	1	1	Proposed : 500 KVA (1 no.)																																																																																								
	d) Please Mention if high tension line is passing through the plot : NA																																																																																											
	If yes, pl. give details of safety measures adopted: NA																																																																																											
37	Details of use of renewable energy with budget allocation i) Total Energy Demand : 600 KW after proposed expansion ii) Proposed renewable energy source capacity : 3.75 KVA iii) Proposed Budget (in Rs. Lakhs): 10 iv) Timeline for implementation : 6 months																																																																																											
38	Details of public hearing (if applicable) i) Place of public hearing :Not applicable ii) Date of public hearing: --																																																																																											
39	EMP (Please mention specific items proposed in EMP along with specific timeline for its implementation) Construction Phase <table border="1"> <thead> <tr> <th>Sr.no</th> <th>Attribute</th> <th>Specific measure</th> <th>Budget in (Rs lakh)</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Air</td> <td>APCE , stack monitoring system</td> <td>3</td> <td>--</td> </tr> <tr> <td>2</td> <td>Water</td> <td>STP, ETP</td> <td>3</td> <td>--</td> </tr> <tr> <td>3</td> <td>Noise</td> <td>Acoustic Enclosures & PPE's</td> <td>3</td> <td>--</td> </tr> <tr> <td>4</td> <td>Soil</td> <td>NA</td> <td></td> <td>--</td> </tr> <tr> <td>5</td> <td>Solid waste</td> <td>Agreement, transportation, Disposal.</td> <td></td> <td>--</td> </tr> <tr> <td>6</td> <td>Hazardous waste</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>Safety and Health</td> <td>Fire Hydrant Arrangement & Installation</td> <td>6</td> <td>--</td> </tr> </tbody> </table> Operation Phase <table border="1"> <thead> <tr> <th>Sr.no.</th> <th>Attributes</th> <th>Specific measures</th> <th>Budget in Rs. lakh</th> <th>Time line for 1/5 implement</th> <th>Responsibility</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Air</td> <td>APCE , stack monitoring system</td> <td>15</td> <td>--</td> <td>Factory Manager</td> </tr> <tr> <td>2</td> <td>Water</td> <td>STP, ETP</td> <td>5</td> <td>--</td> <td>Factory Manager</td> </tr> <tr> <td>3</td> <td>Noise</td> <td>Acoustic Enclosures & PPE's</td> <td>3</td> <td>--</td> <td>Executive EHS</td> </tr> <tr> <td>4</td> <td>Soil</td> <td>NA</td> <td></td> <td>--</td> <td></td> </tr> <tr> <td>5</td> <td>Solid waste</td> <td>Agreement, transportation, Disposal.</td> <td></td> <td>--</td> <td></td> </tr> <tr> <td>6</td> <td>Hazardous waste</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>Fuel and Energy</td> <td>Solar Panel</td> <td>10</td> <td></td> <td>Factory Manager</td> </tr> </tbody> </table>				Sr.no	Attribute	Specific measure	Budget in (Rs lakh)	Remark	1	Air	APCE , stack monitoring system	3	--	2	Water	STP, ETP	3	--	3	Noise	Acoustic Enclosures & PPE's	3	--	4	Soil	NA		--	5	Solid waste	Agreement, transportation, Disposal.		--	6	Hazardous waste				7	Safety and Health	Fire Hydrant Arrangement & Installation	6	--	Sr.no.	Attributes	Specific measures	Budget in Rs. lakh	Time line for 1/5 implement	Responsibility	1	Air	APCE , stack monitoring system	15	--	Factory Manager	2	Water	STP, ETP	5	--	Factory Manager	3	Noise	Acoustic Enclosures & PPE's	3	--	Executive EHS	4	Soil	NA		--		5	Solid waste	Agreement, transportation, Disposal.		--		6	Hazardous waste					7	Fuel and Energy	Solar Panel	10		Factory Manager
Sr.no	Attribute	Specific measure	Budget in (Rs lakh)	Remark																																																																																								
1	Air	APCE , stack monitoring system	3	--																																																																																								
2	Water	STP, ETP	3	--																																																																																								
3	Noise	Acoustic Enclosures & PPE's	3	--																																																																																								
4	Soil	NA		--																																																																																								
5	Solid waste	Agreement, transportation, Disposal.		--																																																																																								
6	Hazardous waste																																																																																											
7	Safety and Health	Fire Hydrant Arrangement & Installation	6	--																																																																																								
Sr.no.	Attributes	Specific measures	Budget in Rs. lakh	Time line for 1/5 implement	Responsibility																																																																																							
1	Air	APCE , stack monitoring system	15	--	Factory Manager																																																																																							
2	Water	STP, ETP	5	--	Factory Manager																																																																																							
3	Noise	Acoustic Enclosures & PPE's	3	--	Executive EHS																																																																																							
4	Soil	NA		--																																																																																								
5	Solid waste	Agreement, transportation, Disposal.		--																																																																																								
6	Hazardous waste																																																																																											
7	Fuel and Energy	Solar Panel	10		Factory Manager																																																																																							

			Installation, Energy Saving Devices and Solar Power (Energy efficient Electric Motors, LED Bulbs)				
8	Safety and Health	Fire Hydrant Arrangement & Installation	15	--	Executive EHS		
9	Rain water harvesting	Periodic Maintenance	2	Regular Activity	Factory Manager		
10	implementation of recommendation of LCA	NA	NA	NA	NA		
11	Implementation recommendation HAZOP/Risk Assessment	Periodic Maintenance, PPE kits, Trainings, Mock Drills etc.	4	Regular Activity	Factory Manager		
12	Greenbelt	Periodic Maintenance	3	Regular Activity	Executive EHS		
13	Environment monitoring and Management	Environment monitoring	0	As per given guidelines	Factory Manager		
40	Other Relevant Information : (Pl. provide brief note on proposed project)			M/s. SHK Chemtech Industries LLP) is proposing for expansion for ethyl acetate from 1400 MT/M to 5600 MT/M by addition of 4200MT/M.			
41	Details of skill development program within Organization			• Regular training & Awareness • Participation of employees in conference's & workshop by reputed institute • Sponsoring employees to achieved higher qualification			
42	Details of environmental Monitoring Cell (Pl. provide organogram with educated Qualification and experience)			As below:			
	S. No.	Designation	Qualification & experience	Proposed Responsibility			
	1	Designated Partner	Degree in Management with 15 years of experience	Overall Responsibility for Environment Management and legal compliance related to pollution control and environment safety.			
	2	Plant Manager	Environmental engineer with 5 years of	Daily feedback from production team and keeping control on emissions to			

			experience	keep them within prescribed norms
	3	EHS Officer	Environment with 4 years of experience	Environmental health and safety (EHS) officers are responsible for all aspects of an organizations compliance with occupational and environmental laws and regulations.
	4	In-charge ETP	ITI with 3-4 years of experience	Monitoring to the efficiency of Effluent Treatment Plant & reporting higher authority time to time.
				
43	Details of court cases if pending in any Hon'ble court			No court cases pending

3. The proposal has been considered by SEIAA in its 239th (Day-2) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

SEAC Conditions-

1. PP to submit revised layout showing internal roads with minimum six meter width and nine meter turning radius, entry/exit gates (preferably sliding gates) , provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions preferably on the periphery of the plot with the provision of drip irrigation, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc
2. PP to provide STP for entire sewage generation from the site (existing as also proposed)
3. PP to submit details of use of solar energy for the illumination of common areas like administrative building, parking areas, streetlight etc.
4. PP to complete green belt development with the provision of drip irrigation before the commissioning of the manufacturing activity.
5. PP to notify District authorities with respect to the potential risks associated with their activities so as to formulate appropriate Disaster Management Plan for the District.

6. PP to prepare chemical compatibility chart of all chemicals and finished products handled, stored on site and ensure its storage/handling as per compatibility.
7. PP to provide Continuous Online Monitoring System connected to the servers of CPCB and MPCB.
8. PP proposes to provide Zero Liquid Discharge. PP to explore possibility to assess alternate techno-economically feasible technology for MEE such as low temperature/mechanical vapour compressor etc. so as to reduce operation cost and use of natural resources.
9. PP to provide sliding gate at entry and exit to achieve maximum turning radius of vehicle entering the site.
10. PP to spend entire CER fund before the commissioning of the manufacturing activity in consultation with the District Collector.
11. PP shall not use soak pit; PP to provide appropriate sewage treatment for domestic sewage.

SEIAA Conditions

1. PP submitted MIDC plan dated 03.05.2019. As per the said plan total plot area of the project is 44721 m² and PP has provided 15002.41 sqm as green belt (33% of total plot area).
2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun and other suitable trees 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.
3. PP to ensure that, proposed project is a ZLD.
4. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
5. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
6. 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.
7. 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.
8. 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).
9. 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.
10. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
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.

12. PP to provide roof top Rain Water Harvesting facility.

General Conditions:

- 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. 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 & 1st December of each calendar year.
- 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. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
- 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. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.
- 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. 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. 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. 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. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.
- 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, amended time to time.
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, 1st Floor, 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) 20/4/2022

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Osmanabad.
7. Regional Officer, Maharashtra Pollution Control Board, Aurangabad.

Signature Not Verified

Digitally signed by Manisha
Patankar Mhaiskar
Member Secretary

Date: 4/21/2022 5:57:47 AM