

J-11011/300/2015-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

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Dated: 5th March, 2016

To,

Shri Narendra
Director and Site Manager
M/s Bayer Vapi Pvt. Ltd.
Plot No. 306/3, Phase II,
GIDC Estate, Vapi, Gujarat

Email.: Nil. ; Fax.: +91 260 2432774

Subject: Expansion of Pesticides industry and pesticide specific intermediates (excluding formulations) from 17562 MTA to 26572 MTA at Plot No. 306/3, Phase II, GIDC Estate, District Valsad, Gujarat by M/s Bayer Vapi Private Limited– reg. TOR

Ref. No.: Your proposal no. IA/GJ/33091/2015 ; dated 23rd November, 2015

Sir,

Kindly refer your proposal no. IA/GJ/33091/2015 dated 23rd November, 2015 along with project documents including Form-I, Pre-feasibility Report and draft 'Terms of Reference' as per the EIA Notification, 2006. It is noted that the proposal is for expansion of pesticides industry and pesticide specific intermediates (excluding formulations) from 17562 MTA to 26572 MTA at Plot No. 306/3, Phase II, GIDC Estate, District Valsad, Gujarat by M/s Bayer Vapi Private Limited. Following are details of existing and proposed products:

Sr No	Name of Products	Category	Capacity (MT/Annum)		
			Existing	Proposed	Total Proposed after Expansion
1	Cypermethrin	Insecticides	2496	0	2496
2	Alphamethrin	Insecticides	480	0	480
3	Deltamethrin	Insecticides	504	0	504
4	Permethrin	Insecticides	1374(Either individual or total production of 2 products)	0	1374 (Either individual or total production of 2 products)
5	Transfluthrin	Insecticides			
6	D Trans Allethrin	Insecticides	180	-180	0
7	Acrinathrin	Insecticides	45	0	45
8	Imidacloprid	Insecticides	720	0	720
9	Beta Cyfluthrin	Insecticides	982.32	0	982.32 (Either individual or
10	Cyfluthrin	Insecticides	(Either individual or		

			total production of 2 products)		total production of 2 products)
11	Ethofumesate	Herbicide	1560 (Either individual or total production of 2 products)	1740 (Either individual or total production of 2 products)	3300 (Either individual or total production of 3 products)
12	NC 9770	Intermediate			
13	Aclonifen	Herbicide	0	3300	
14	Triafamone	Herbicide	0	180 (Either individual or total production of 2 products)	180 (Either individual or total production of 2 products)
15	Sulphonyl Indole	Intermediate			
16	MetaphenoxyBenzaldehyde	Intermediate	3000	0	3000
17	NaCMTS	Intermediate	1200	0	1200
18	Cypermethric Acid Chloride (CMAC)/ Cypermethric Acid (CMA)	Intermediate	2400	0	2400
19	Cypermethric Acid Chloride from DV Ester	Intermediate	600 (Either individual or total production of 2 products)	0	600 (Either individual or total production of 2 products)
20	Acid Chloride Preparation	Intermediate			
21	Metaphenoxy Benzyl Alcohol	Intermediate	1200	0	1200
22	Becisthemic Acid	Intermediate	180	0	180
23	Chrysanthemic Acid	Intermediate	180 (Either individual or total production of 2 products)	0	180 (Either individual or total production of 2 products)
24	Allethrolones	Intermediate			
25	TCA	Intermediate	410.4 (Either individual or total production of 2 products)	129.6	540 (Either individual or total production of 2 products)
26	RTCMA	Intermediate			
27	DM Base	Intermediate	50.4	0	50.4
28	Fipronil	Insecticides	0	540	540
29	Ethiprole	Insecticides	0	1020	1020
30	Fluopyram	Fungicide	0	3000 (Either individual or total production of 2 products)	3000 (Either individual or total production of 2 products)
31	PYACN	Intermediate			
32	Tembotrione	Herbicide	0	1020	1020
33	Pyrasulfotle	Herbicide	0	300	300
34	Amid Chloride	Intermediate	0	1020	1020
35	Flumethrin	Insecticides	0	60	60
36	R & D Products	Not Specified	0	180	180
Total Capacity			17562.12	9009.6	26571.72



2.0 Draft Terms of Reference (TOR) have been discussed and finalized during 3rd Expert Appraisal Committee (Industry-2) meeting held during 18th-19th January, 2015 for preparation of EIA/EMP report. The Committee prescribed the following Specific and Additional TOR in addition to Generic TOR provided at Annexure-I (refer to Ministry's website) for preparation of EIA-EMP report:

A. Specific TOR

1. Commitment that no banned pesticides will be manufactured.
2. Details on solvents to be used, measures for solvent recovery and for emissions control.
3. Details of process emissions from the proposed unit and its arrangement to control.
4. Ambient air quality data should include VOC, other process-specific pollutants* like NH₃*, chlorine*, HCl*, HBr*, H₂S*, HF*, CS₂ etc., (* - as applicable)
5. Work zone monitoring arrangements for hazardous chemicals.
6. Detailed effluent treatment scheme including segregation for units adopting 'Zero' liquid discharge.
7. Action plan for odour control to be submitted.
8. A copy of the Memorandum of Understanding signed with cement manufacturers indicating clearly that they co-process organic solid/hazardous waste generated.
9. Authorization/Membership for the disposal of liquid effluent in CETP and solid/hazardous waste in TSDF, if any.
10. Material Safety Data Sheet for all the Chemicals are being used/will be used.
11. Authorization/Membership for the disposal of solid/hazardous waste in TSDF.
12. Details of incinerator if to be installed.
13. Risk assessment for storage and handling of hazardous chemicals/solvents. Action plan for handling & safety system to be incorporated.
14. Arrangements for ensuring health and safety of workers engaged in handling of toxic materials.

B. Additional TOR

- i. Public hearing is exempted as per para 7(i) III Stage (3)(i)(b) of EIA Notification, 2006 for preparation of EIA/EMP Report, being site is located in the Notified industrial area.
- ii. A separate chapter on status of compliance of Environmental Conditions granted by State/Centre to be provided. As per circular dated 30th May, 2012 issued by MoEF, a certified report by RO, MoEF on status of compliance of conditions on existing unit to be provided in EIA-EMP report.
- iii. Recommendation and justification of SPCB to be obtained for discharge of effluent to CETP and on other environmental implications

3.0 These 'TORs' should be considered for the preparation of EIA / EMP for expansion of pesticides industry and pesticide specific intermediates (excluding formulations) from 17562 MTA to 26572 MTA at Plot No. 306/3, Phase II, GIDC Estate, District Valsad, Gujarat by M/s Bayer Vapi Private Limited in addition to all the relevant information as per the 'General Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006.

4.0 Public hearing is exempted as per Section 7 (i), III Stage (3), Para (i) (b) of EIA Notification 2006. You are requested to kindly submit the final EIA/EMP prepared as per TORs to the Ministry for considering the proposal for environmental clearance **within 3 years as per the MoEF O.M. No. J-11013/41/2006-IA.II (I) dated 8th October, 2014**




5.0 The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India/ National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other Organization(s)/Laboratories including their status of approvals etc.


(Lalit Bokolia)
Additional Director

Copy to:

1. The Chairman, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector – 10, A, Gandhi Nagar - 382 010, Gujarat
2. Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal – 462016


(Lalit Bokolia)
Additional Director